

Table of ceasefire violations as of 27 November 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Mariupol city centre (government-controlled, 102km S of Donetsk)	N/K E	Heard 5 undetermined explosions	N/K	25 November, 19:25-19:48
	N/K	Heard 1 undetermined explosion		
Horlivka (“DPR”-controlled, 39km NE of Donetsk city)	5-10km NW	Heard 14 undetermined explosions	N/K	25 November, 19:32-19:33
		Heard 1 undetermined explosion		25 November, 19:50
		Heard 2 undetermined explosions		25 November, 20:41
NE outskirts of Horlivka, Hurty (“DPR”-controlled, 39km NE of Donetsk)	5-8km E	Heard 1 undetermined explosion	N/K	26 November, 11:30
		Heard 1 undetermined explosion		26 November, 11:35
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NE	Recorded 4 undetermined explosions	N/K	25 November, 22:22-22:47
	N/K N	Recorded 9 explosions (impacts)		26 November, 12:10-12:41
	N/K NE	Recorded continuous tracer fire from W to E		26 November, 16:50
		Recorded 1 undetermined explosion		26 November, 16:51
		Recorded continuous tracer fire from W to E		26 November, 16:53-17:15
		Recorded 1 rocket-assisted projectile fired from SW to NE		26 November, 17:25
		Recorded 1 tracer round from SW to NE		26 November, 17:27
		Recorded continuous tracer fire from W to E		26 November, 17:30
		Recorded 1 undetermined explosion		26 November, 17:37
Svitlodarsk (government-controlled, 57km NE of Donetsk)	8-10km S	Heard 14 undetermined explosions	N/K	25 November, 23:40-23:55
	3-6km SE	Heard 2 undetermined explosions		26 November, 10:50
Park Inn Hotel (“DPR”-controlled, Donetsk city centre)	6-8km NW	Heard 1 undetermined explosion	N/K	25 November, 21:33
		Heard 2 undetermined explosions		25 November, 21:35
		Heard 3 bursts (10 shots each)	Small arms	25 November, 21:36
		Heard 5 undetermined explosions	N/K	25 November, 21:36-21:37
		Heard 3 burst (10 shots each)	Small arms	25 November, 21:40
		Heard 5 undetermined explosions	N/K	25 November, 21:45-21:47
		Heard 1 burst (10 shots)	Small arms	25 November, 21:53
		Heard 4 shots		25 November, 21:56
		Heard 2 undetermined explosions	N/K	25 November, 22:01
		Heard 1 undetermined explosion		25 November, 22:07
		Heard 1 undetermined explosion		25 November, 22:14
		Heard 2 undetermined explosions		25 November, 22:16
		Heard 3 undetermined explosions		25 November, 22:20
		Heard 2 undetermined explosions		25 November, 22:23
		Heard 4 undetermined explosions		25 November, 22:26
		Heard 3 undetermined explosions		22 November, 20:28-22:32

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.

		Heard 8 undetermined explosions		25 November, 22:36-22:41
		Heard 6 undetermined explosions		25 November, 23:24-23:32
		Heard 5 undetermined explosions		25 November, 23:53-23:59
		Heard 10 undetermined explosions		26 November, 00:11-00:18
		Heard 10 undetermined explosions		26 November, 00:20
		Heard 4 undetermined explosions		26 November, 00:26-00:29
		Heard 3 undetermined explosions		26 November, 00:31-00:34
		Heard 1 undetermined explosion		26 November, 00:45
		Heard 1 undetermined explosion		26 November, 00:56
	5-8km NW	Heard 3 undetermined explosions	N/K	26 November, 18:40
		Heard 2 undetermined explosions		26 November, 18:43
		Heard 3 undetermined explosions		26 November, 18:44
		Heard 2 undetermined explosions		26 November, 18:45
		Heard 2 undetermined explosions		26 November, 18:48
		Heard 1 undetermined explosion		26 November, 19:01
		Heard 5 undetermined explosions		26 November, 19:06
		Heard 2 undetermined explosions		26 November, 19:14
		Heard 2 undetermined explosions		26 November, 19:23
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km ESE	Recorded 2 undetermined explosions	N/K	26 November, 00:31
	3-4km ESE	Recorded 1 undetermined explosion		26 November, 13:37
		Recorded 1 airburst		26 November, 13:38
	3-4km E	Recorded 1 undetermined explosion		26 November, 15:13
	3-4km ESE	Recorded 1 undetermined projectile in flight from N to S		26 November, 16:28
	4-5km ESE	Recorded 1 undetermined projectile in flight from W to E		26 November, 16:36
		Recorded 18 undetermined, indirect projectiles in flight from E to W		26 November, 16:43-16:44
		Recorded 14 undetermined explosions		26 November, 16:43-16:44
		Recorded 2 undetermined projectiles in flight from W to E		26 November, 16:43-16:44
		Recorded 2 undetermined projectiles in flight from W to E		26 November, 16:45
		Recorded 1 undetermined projectile in flight from E to W		26 November, 16:55
	4-5km ENE	Recorded 1 undetermined projectile in flight from N to S		26 November, 17:00
		Recorded 1 undetermined, indirect projectile in flight from N to S		26 November, 17:06
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:07
		Recorded 2 undetermined, indirect projectiles in flight from W to E		26 November, 17:08
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:14
	4-5km ESE	Recorded 1 undetermined explosion		26 November, 17:19
	4-5km ENE	Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:21
		Recorded 2 undetermined, indirect projectiles in flight from W to E		26 November, 17:23
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:26
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:27
	4-5km ESE	Recorded 1 undetermined, indirect		26 November, 17:43

		projectile in flight from W to E				
		Recorded 3 undetermined, indirect projectiles in flight from E to W		26 November, 17:43		
		Recorded 2 undetermined explosions		26 November, 17:46		
		Recorded 1 undetermined, indirect projectile in flight from E to W		26 November, 17:47		
		Recorded 3 undetermined, indirect projectiles in flight from W to E		26 November, 17:47		
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:48		
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:50		
		Recorded 4 undetermined explosions		26 November, 17:51		
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:53		
		Recorded 1 undetermined, indirect projectile in flight from E to W		26 November, 17:59		
		Recorded 2 undetermined, indirect projectiles in flight from W to E		26 November, 18:00		
		Recorded 2 undetermined explosions		26 November, 18:00		
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 18:02		
		Recorded 3 undetermined, indirect projectiles in flight from W to E		26 November, 18:10		
	4-6km ESE	Recorded 2 undetermined projectiles in flight from NE to SW	N/K	26 November, 18:42		
		Recorded 2 undetermined projectiles in flight from NE to SW		26 November, 18:43		
		Recorded 2 undetermined projectiles in flight from NE to SW		26 November, 18:45		
		6-8km ESE		Recorded 2 undetermined explosions	26 November, 18:46	
		4-6 km ESE		Recorded 2 undetermined projectiles in flight from NE to SW	26 November, 18:48	
				Recorded 2 undetermined explosions	26 November, 18:48	
	Recorded 2 undetermined projectiles in flight from NE to SW			26 November, 19:05		
	Recorded 1 undetermined projectile inflight from NE to SW			26 November, 19:05		
	Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city center)	8-10km NE		Heard 1 undetermined explosion	N/K	26 November, 08:55
				Heard 1 undetermined explosion		26 November, 08:58
4-5km NNE		Heard 3 single shots	Small arms	26 November, 09:05		
8-10km NE		Heard 2 undetermined explosions	N/K	26 November, 09:06		
4-5km NNE		Heard 6 bursts (2-3 shots)	Small arms	26 November, 09:07		
		Heard 2 single shots		26 November, 09:08		
		Heard 1 burst (4 shots)		26 November, 09:09		
4-5km W		Heard 2 single shots		26 November, 09:15		
8-10km NE		Heard 2 undetermined explosions	N/K	26 November, 09:17		
		Heard 1 undetermined explosion		26 November, 09:22		
4-5km NE		Heard 3 single shots	Small arms	26 November, 09:43-09:44		
		Heard 5 bursts (8-10 shots)		26 November, 13:09		
3-4km NW		Heard 4 bursts		26 November, 13:15		
4-6km NW		Heard 4 single shots		26 November, 13:15		
	Heard 1 burst	26 November, 13:19				
3-5km NW	Heard 2 bursts	26 November, 13:19				
3-5km NE	Heard 6 bursts		26 November, 13:28			
	Heard 1 undetermined explosion	N/K	26 November, 13:28			
2.6km SSE of Lomakyne (government-	3-5km NE	Heard 4 bursts	HMG	26 November, 09:25-09:30		
	3-5km E	Heard 3 undetermined explosions	N/K			
	4-5km N	Heard 3 undetermined explosions				

controlled, 15km NE of Mariupol)	3-5km NE	Heard 1 undetermined explosion		26 November, 09:45-09:50	
		Heard 8 undetermined explosions			
		Heard 30 undetermined explosions			
	3-5km NW	Heard 3 undetermined explosions			
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	3-5km NNW	Heard 4 single shots	Small arms	26 November, 09:42	
	3-5km W	Heard 4 single shots		26 November, 10:50	
	2-3km NNW	Heard 1 single shot		26 November, 10:57	
		Heard 1 burst (2-3 shots)		26 November, 11:00	
	2-3km WNW	Heard 3 bursts (3-5 shots)		26 November, 11:02	
	3-5km NNW	Heard 1 undetermined explosion	N/K	26 November, 11:03-11:06	
	2-3km WNW	Heard 15 bursts (2-6 shots)	Small arms	26 November, 11:07-11:10	
		Heard 26 shots (3-10 shots)		26 November, 11:13	
		Heard 1 undetermined explosion	N/K	26 November, 11:17	
		Heard 1 undetermined explosion		26 November, 11:45	
	3-5km WNW	Heard 1 single shot	Small arms	26 November, 11:55	
	2-3km NNW	Heard 14 bursts (3-8 shots)		26 November, 12:10-12:14	
	3-5km W	Heard 1 burst (7 shots)		26 November, 12:27	
	3-5km NNW	Heard at least 100 bursts (3-10 shots)			
	2-3km WNW	Heard 1 undetermined explosion	N/K	26 November, 12:36-12:52	
		Heard 48 shots and their subsequent 48 explosions (impacts)	AGL		
		Heard 24 undetermined explosions	N/K		
		Heard 6 single shots	Small arms		
	Heard 19 bursts (2-10 shots)				
	2-3km W	Heard 3 bursts (3-8 shots)		26 November, 12:54	
	1-2km W	Heard 2 single shots			
	2-3km NNW	Heard 16 undetermined explosions	N/K	26 November, 12:55-13:03	
		Heard 11 bursts (5-10 shots)	Small arms		
	1-2km W	Heard 1 undetermined explosion	N/K		26 November, 13:18-14:05
		Heard 2 bursts (5-10 shots)	Small arms		
	2-3km W	Heard 2 single shots			
	2-3km WSW	Heard 12 single shots			
	3-5km W	Heard 5 undetermined explosions	N/K	26 November, 13:18-14:05	
		Heard 72 undetermined explosions			
	1-2km W	Heard 29 undetermined explosions	Small arms		
	2-3km W	Heard at least 300 bursts (5-10 shots)			
		Heard 10 single shots			
Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NNE	Heard 9 undetermined explosions	N/K	26 November, 09:47-09:56	
	4-7km SE	Heard 5 undetermined explosions			
	N/K E	Heard 2 undetermined explosions			
	6-8km N	Heard at least 50 undetermined explosions	N/K	26 November, 09:56-09:58	
	N/K E	Heard continuous bursts and single shots	HMG and IFV (BMP-2) cannon (30mm)	26 November, 09:56-09:58	
		Heard and saw 3 airbursts	N/K		
	4-7km NW	Heard at least 250 undetermined explosions and continuous bursts and single shots (exchange of fire between NW and NE)	N/K, artillery (N/K calibre), mortar (N/K calibre), HMG and small arms	26 November, 09:56-10:23	
1.85km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)	6-8km N	Heard and saw 12 explosions (outgoing)	N/K	26 November, 10:15-10:20	
2.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	5km SSW	Heard 1 undetermined explosion	N/K	26 November, 10:55-11:00	
	4-5km SSE	Heard and saw 1 airburst	Artillery (N/K calibre)	26 November, 11:00-11:15	
	5-7km SSW	Heard 8 explosions (outgoing)	Mortar (N/K calibre)		
	10km SSE	Saw 3 airbursts	Artillery (N/K calibre)	26 November, 11:45-11:55	
	5-7km SSW	Heard 2 explosions (outgoing)	Mortar (N/K calibre)	26 November, 12:15-	
	6-8km SSE	Heard 4 bursts	Small arms		

				12:16
	5-7km SSW	Heard 2 explosions (outgoing)	Artillery (N/K calibre)	26 November, 12:40-12:50
Sopyne (government-controlled, 16km E of Mariupol)	N/K NNW	Heard 15 bursts	HMG	26 November, 11:28-11:40
	N/K NNE	Heard 15 bursts		
		Heard continuous bursts	Cannon (N/K calibre)	
	N/K E	Heard 3 undetermined explosions	N/K	26 November, 11:42-11:59
	N/K N	Heard 5 undetermined explosions		
		Heard 15 bursts	Small arms	
	N/K NE	Heard 11 undetermined explosions	N/K	
		Heard and saw 1 airburst	Artillery (N/K calibre)	
	2-4km NNE	Heard and saw 1 airburst	N/K	26 November, 12:03
		Heard 20 explosions (outgoing) followed by their impacts some 16 seconds later	Mortar (N/K calibre)	26 November, 12:05-12:31
	2-4km NE	Heard 5 explosions (outgoing)		
		Heard 5 explosions (impacts)		
Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Heard 1 undetermined explosion	N/K	26 November, 11:42
		Heard 2 undetermined explosions		26 November, 11:56
		Heard 3 undetermined explosions		26 November, 13:40
		Heard 1 undetermined explosion		26 November, 13:43
		Heard 1 undetermined explosion		26 November, 13:45
		Heard 1 undetermined explosion		26 November, 13:46
		Heard 2 undetermined explosions		26 November, 13:47
SMM camera at Oktiabr mine ("DPR"-controlled, 9km NW of Donetsk city centre)	4-5km NNE	Recorded 20 undetermined explosions	N/K	26 November, 16:02-16:05
		Recorded 2 undetermined projectiles in flight from W to E		26 November, 16:02-16:05
		Recorded 1 undetermined projectile in flight from W to E		26 November, 16:14
		Recorded 1 undetermined projectile in flight from W to E		26 November, 16:15
		Recorded 4 undetermined projectiles in flight from W to E		26 November, 16:16
		Recorded 1 undetermined in flight from W to E		26 November, 16:18
		Recorded 1 undetermined explosion		26 November, 16:19
		Recorded 1 undetermined, indirect projectile in flight from W to E		26 November, 17:35
Pervomaisk ("LPR"-controlled, 58km W of Luhansk)	5km NE	Heard 2 bursts (outside the disengagement area)	HMG	26 November, 08:18
Veselohorivka ("LPR"-controlled, 64km W of Luhansk)	5-10km SW	Heard 6 undetermined explosions	N/K	26 November, 11:15
Novooleksandrivka (65km W of Luhansk)	200m S	Heard 3 single shots	Small arms	26 November, 12:31
	500m NE	Heard 1 shot	IFV (BMP-1) 73mm cannon	
SMM camera in Shyrokyne (20km E of Mariupol)	N/K N	Recorded 1 undetermined explosion	N/K	26 November, 20:23
		Recorded 1 undetermined explosion		26 November, 20:25
	N/K NE	Recorded 3 bursts of tracer fire W to E		26 November, 20:50
		Recorded 2 bursts of tracer fire W to E		26 November, 20:51
		Recorded 5 bursts of tracer fire W to E		26 November, 21:02
		Recorded 4 bursts of tracer fire W to E		26 November, 21:03
		Recorded 2 illumination flares		26 November, 23:31
	N/K NE	Recorded 7 bursts in flight from NW to SE	Cannon (N/K calibre)	27 November, 16:18
		Recorded at least 50 bursts of tracer	Small arms	27 November, 16:24-

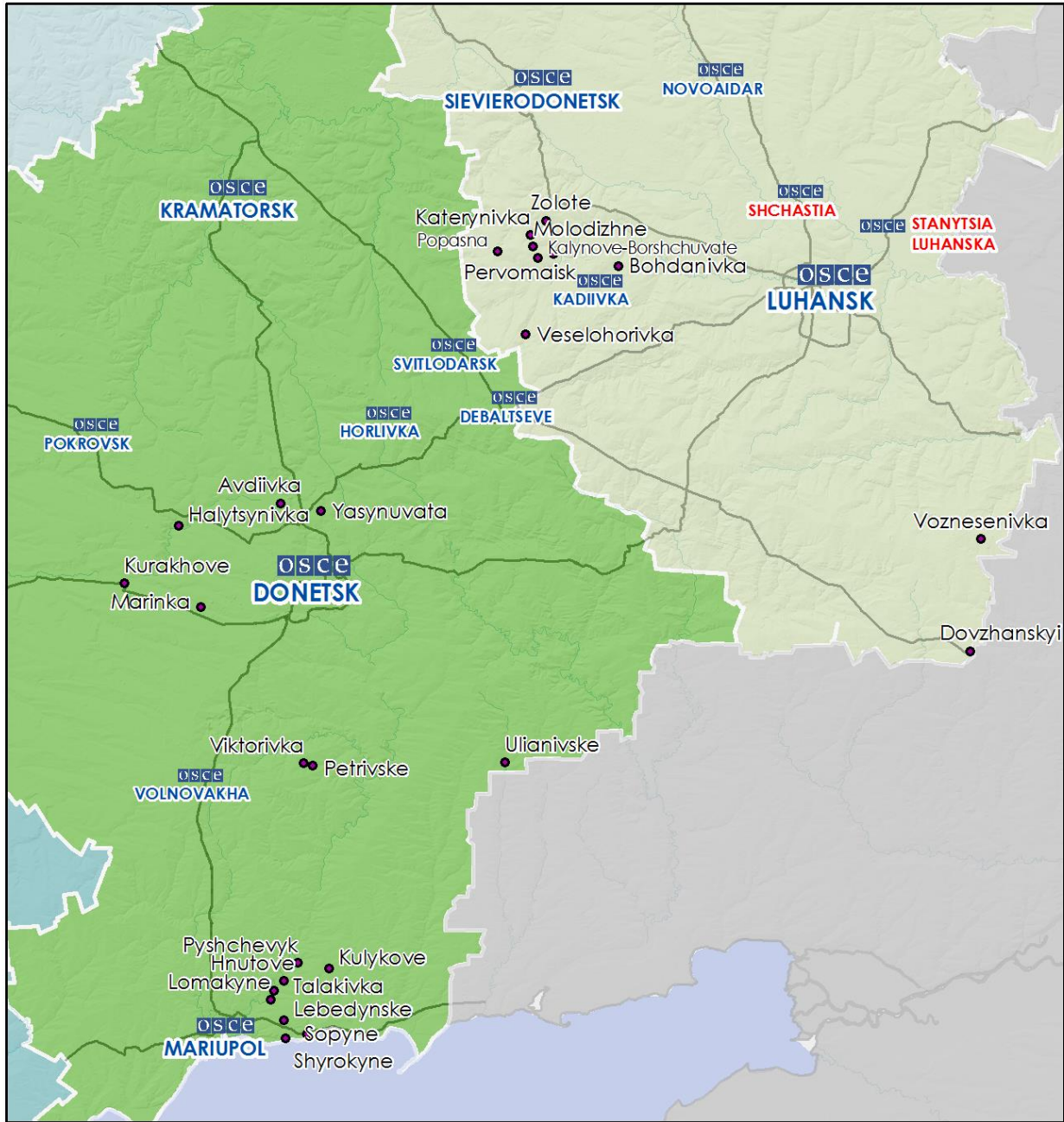
		fire in flight from NW to SE	N/K	16:27
		Recorded 13 undetermined explosions		27 November, 16:57-17:28
		Recorded 25 indirect rocket-assisted projectiles in flight from SSW to NNE		27 November, 16:57-17:05
Park Inn Hotel ("DPR"-controlled, Donetsk city centre)	9-12km NE	Heard 1 undetermined explosion	N/K	26 November, 22:50
		Heard 1 undetermined explosion		26 November, 22:51
		Heard 1 undetermined explosion		26 November, 22:51
	5-8km NW	Heard 2 undetermined explosions		26 November, 23:08
		Heard 1 undetermined explosion		26 November, 23:52
SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)	4-6 km ESE	Recorded 2 undetermined projectiles in flight from NE to SW	N/K	26 November, 20:15
		Recorded 1 undetermined projectile in flight from S to N		26 November, 22:26
		Recorded 2 undetermined projectiles in flight from NE to SW		
	6-8km ESE	Recorded 1 undetermined explosion		26 November, 22:28
	4-6 km ESE	Recorded 1 undetermined projectile in flight from S to N		26 November, 22:28
	6-8km ESE	Recorded 1 undetermined explosion		26 November, 22:3
	4-6 km ESE	Recorded 1 undetermined projectile in flight from NE to SW		
		Recorded 1 undetermined projectile in flight from S to N		26 November, 22:39
	6-8km ESE	Recorded 1 undetermined explosion		26 November, 23:43
	4-6 km ESE	Recorded 2 undetermined projectiles in flight from N to S		26 November, 22:46
		Recorded 3 undetermined projectiles in flight from S to N		26 November, 22:48
	6-8km ESE	Recorded 2 undetermined explosions		26 November, 22:50
	4-6km ESE	Recorded 1 undetermined projectile in flight from S to N		26 November, 22:53
		Recorded 1 illumination flare in flight from NE to SW		26 November, 23:01
	6-8km ESE	Recorded 1 undetermined explosion		26 November, 23:04
	4-6km ESE	Recorded 1 undetermined projectile in flight from N to S		26 November, 23:14
		Recorded 1 undetermined projectile in flight from S to N		26 November, 23:24
		Recorded 1 undetermined projectile in flight from S to N		26 November, 23:36
	6-8km ESE	Recorded 1 undetermined explosion		26 November, 23:43
	4-6km ESE	Recorded 2 undetermined projectiles in flight from NE to W		26 November, 23:44
		Recorded 3 undetermined projectiles in flight from NE to SW		26 November, 23:51
	6-8km SE	Recorded 1 undetermined explosion		27 November, 01:34
	4-6km SE	Recorded 1 undetermined projectile in flight from SW to NE		27 November, 01:37
	3-5km SE	Recorded 2 tracer rounds in flight from NW to SE		27 November, 16:16
		Recorded 22 tracer rounds in flight from NW to SE		27 November, 16:20-16:23
		Recorded 1 tracer round in flight from NW to SE		27 November, 16:26
		Recorded 1 tracer round in flight from SSE to N		27 November, 16:52
		Recorded 2 tracer rounds in flight from SSE to N		27 November, 17:42

		Recorded 2 tracer rounds in flight from N to SSE		
		Recorded 22 indirect rocket-assisted projectiles in flight from NW to SE and 22 subsequent explosions (impacts)		27 November, 18:12-18:27
SMM camera at Oktiabr mine (“DPR”-controlled, 9km NW of Donetsk city centre)	3-5km NE	Recorded 8 undetermined projectiles in flight from W to E	N/K	26 November, 23:31
	8-9km NNE	Recorded 2 tracer rounds in flight from NW to SE	N/K	27 November, 16:16
		Recorded 13 tracer rounds in flight from NW to SE		27 November, 16:21-16:23
	4-5km NE	Recorded 2 explosions (impacts)		27 November, 16:30
		Recorded 2 explosions (impacts)		27 November, 17:22
		Recorded 1 explosion (impact)		27 November, 17:34
		Recorded 1 explosion (impact)		27 November, 17:51
Donetsk central railway station (“DPR”- controlled, 6km NW of Donetsk city centre)	6-8km NW	Heard 1 undetermined explosion	N/K	27 November, 09:15
		Heard 1 undetermined explosion		27 November, 09:20
	4-8km NW	Heard 3 undetermined explosions		27 November, 11:50
	6-10km NE	Heard 1 undetermined explosion		27 November, 11:54
2km E of Bohdanivka (government-controlled, 41km S of Donetsk)	3-4km W	Heard 11 bursts (assessed as outside of the disengagement area)	HMG	27 November, 09:45-09:48
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	5-8km NW	Heard 19 single shots	Small arms	27 November, 09:47
	3-5km W	Heard 1 burst		27 November, 10:09
				Heard 6 single shots
	1-2 WSW	Heard 49 bursts	HMG	27 November, 10:47
	3-4km NW	Heard 6 single shots		27 November, 10:49
	2-4km WSW	Heard 1 undetermined explosion	N/K	27 November, 10:49
	2-4km WSW	Heard 1 undetermined explosion		27 November, 11:21
	3-5km WSW	Heard 2 undetermined explosions		27 November, 11:43
	3-5km W	Heard 6 single shots	Small arms	27 November, 11:48
	5-7km W	Heard 11 undetermined explosions	N/K	27 November, 11:50
		Heard 1 burst	HMG	
	3-5km W	Heard 1 undetermined explosion	N/K	27 November, 11:55
	5-7km W	Heard 2 undetermined explosions		27 November, 11:56
	3-5km W	Heard 2 single shots	Small arms	27 November, 11:59
	5-7km NNW	Heard 6 single shots		27 November, 12:00
	5-7km W	Heard 2 undetermined explosions	N/K	27 November, 12:08
	5-7km WSW	Heard 34 single shots	Small arms	27 November, 12:23
		Heard 2 burst	HMG	27 November, 12:32
	4-6km NW	Heard 21 single shots		27 November, 13:12
	2-3km WSW	Heard 1 undetermined explosion	N/K	27 November, 13:23
	3-4km NW	Heard 7 single shots	HMG	27 November, 13:25
	1-3km WSW	Heard 21 single shots		
	2-3km WSW	Heard 1 undetermined explosion	N/K	27 November, 13:27
		Heard 2 undetermined explosions		27 November, 13:44
	1-3km WSW	Heard at least 20 bursts	HMG	
		Heard at least 19 single shots		
	2-3km WSW	Heard 6 undetermined explosions	N/K	27 November, 13:56
SE edge of Verkhnohyrokiyske (formerly Oktiabr.	N/K N	Heard 1 undetermined explosion	N/K	27 November, 10:24

“DPR”-controlled, 29km NE of Mariupol)					
Krasnohorivka (government-controlled, 21km W of Donetsk)	7-10km SSE	Heard 13 undetermined explosions	N/K	27 November, 10:30-10:55	
		Heard 5 bursts	HMG		
3km NNE of Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	3-5km WNW	Heard 4 undetermined explosions	N/K	27 November, 10:45-10:50	
		Heard 3 undetermined explosions		27 November, 10:54	
	3-5km W	Heard 5 single shots	Small arms	27 November, 11:10	
	3-5km NW	Heard 11 undetermined explosions	N/K	27 November, 11:15-11:25	
	8-10km NNW	Heard 10 undetermined explosions		27 November, 11:32	
	8-10km NNW	Heard 32 undetermined explosions		27 November, 11:40-11:55	
Kulykove (“DPR”-controlled, 30km NE of Mariupol)	N/K SSE	Heard 5 undetermined explosions	N/K	27 November, 10:46-11:00	
	3km WNW	Heard 2 bursts	Small arms	27 November, 11:25-11:30	
	N/K WNW	Heard 1 undetermined explosion	N/K	27 November, 11:32	
	N/K NNW	Heard 1 undetermined explosion		27 November, 11:34	
	6-7km SE	Heard 1 undetermined explosion		Small arms	27 November, 11:35-11:44
		Heard at least 10 bursts			
		Heard 2 bursts	IFV (BMP-2) cannon (30mm)		
		6-7km SE	Heard 3 undetermined explosions	N/K	27 November, 11:54-11:59
			Heard 1 undetermined explosion		27 November, 12:12
	N/K SSE	Heard 9 undetermined explosions	Artillery (152mm)	27 November, 12:22-12:36	
	10km SSE	Heard 8 explosions (outgoing) and their impacts			
	N/K SSE				
	3-4km WNW	Heard 2 undetermined explosions	AGL	27 November, 12:37-12:58	
		Heard 2 bursts	Small arms		
	10km WSW	Heard 28 explosions (outgoing) and their subsequent impacts	Artillery (N/K calibre)	27 November, 12:37-12:58	
7-8km SSE					
Avdiivka (government-controlled, 17km north of Donetsk)	N/K E	Heard 1 burst (2 shots)	Small arms	27 November, 10:53	
		Heard 1 burst (3 shots)		27 November, 10:54	
	N/K SE	Heard 2 undetermined explosions	N/K	27 November, 11:35	
	4-6km SE	Heard 2 explosions (outgoing)	Tank	27 November, 11:52	
	N/K SE	Heard 1 undetermined explosions	N/K		
	2-3km SE	Heard 1 undetermined explosion		27 November, 11:53	
	2-3km E	Heard 2 undetermined explosions		27 November, 11:55	
2km ESE	Heard 3 bursts	Small arms	27 November, 12:29		
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5km E	Heard 1 undetermined explosion	N/K	27 November, 11:15	
Petrivske (“DPR”-controlled, 41km S of Donetsk)	5-6km SSW	Heard 1 undetermined explosions	N/K	27 November, 11:29	
1km SE of Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SE	Heard 3 undetermined explosions	N/K	27 November, 12:25	
NW edge of Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SSW	Heard 10 undetermined explosions	N/K	27 November, 12:30-12:38	

2.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	N/K E	Heard 4 undetermined explosions	N/K	27 November, 13:20
	N/K SE	Heard 8 undetermined explosions		27 November, 14:00-14:19
	3-4km SE	Heard 4 bursts	Small arms	27 November, 14:20-14:50
	N/K ESE	Heard 7 undetermined explosions	N/K	
		Heard and saw 1 airburst		
	4-5km ESE	Heard 17 shots	AGL	
		Heard 6 bursts	Small arms	
Heard 7 shots				
Hnutove (government-controlled, 20km NE of Mariupol)	N/K S	Heard 6 undetermined explosions	N/K	27 November, 14:00-14:10
	3km E	Heard 2 bursts	Small arms	
		Heard 1 shot		
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	1-2km SW	Heard 1 single shot	Small arms	27 November, 14:16
		Heard 6 bursts		27 November, 15:03
		Heard 5 bursts		27 November, 15:15
		Heard 12 single shots		27 November, 15:22
	4-5km W	Heard 2 undetermined explosions	N/K	27 November, 16:07
		Heard 1 undetermined explosion	HMG	27 November, 16:09
		Heard 6 bursts		27 November, 16:11
		Heard 4 bursts		27 November, 16:25
	1-2km SW	Heard 3 bursts	Small arms	27 November, 16:27
		Heard 6 bursts		27 November, 16:31
	5-6km WSW	Heard 5 undetermined explosions	N/K	27 November, 16:34
		Heard 7 bursts	HMG	
		Heard 4 undetermined explosions	N/K	27 November, 16:43
		Heard 3 bursts	HMG	
		Heard 2 undetermined explosions	N/K	27 November, 16:45
		Heard 5 bursts	Small arms	
		Heard 2 undetermined explosions	N/K	27 November, 16:47
		Heard 12 bursts	HMG	
		Heard 4 undetermined explosions	N/K	27 November, 16:52
		Heard 4 undetermined explosions	HMG	
		Heard 10 bursts	HMG	27 November, 16:54
		Heard 1 undetermined explosion	N/K	27 November, 17:10
		Heard 1 undetermined explosion	HMG	
		Heard 5 bursts	N/K	27 November, 17:35
		Heard 1 undetermined explosions	HMG	27 November, 17:41
		Heard 3 bursts	N/K	27 November, 18:00
	Heard 1 undetermined explosion	27 November, 18:03		
	Katerynivka (government-controlled, 64km W of Luhansk)	3-4km S	Heard 30 bursts	HMG
Heard 1 undetermined explosion			N/K	

Map of Donetsk and Luhansk regions²



² 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).