

Table of ceasefire violations for 29-30 October 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time		
Park Inn Hotel (“DPR”-controlled, Donetsk city centre)	8-10km NNW	Heard 3 undetermined explosions	N/K	28 October, 19:20		
		Heard 1 undetermined explosion		28 October, 19:30		
		Heard 2 undetermined explosions		28 October, 19:38		
		Heard 3 undetermined explosions		28 October, 19:39		
		Heard 11 undetermined explosions		28 October, 19:45		
	7-8km NW	Heard 1 undetermined explosion		28 October, 21:09		
		Heard 3 undetermined explosions		28 October, 21:12		
		Heard 2 undetermined explosions		28 October, 21:14		
	8-10km NNW	Heard 3 undetermined explosions		28 October, 22:39		
		Heard 11 undetermined explosions		28 October, 22:42		
		Heard 1 undetermined explosion		29 October, 01:31		
		Heard 3 undetermined explosions		29 October, 01:37		
		Heard 6 undetermined explosions		29 October, 01:42		
	SMM camera in Shyrokyne (20km E of Mariupol)	3km NNE		Recorded 10 bursts of tracers fired from SW to NE	Cannon (N/K calibre)	28 October, 19:56-20:05
				Recorded 7 bursts of tracers fired from W to E	Small arms	28 October, 19:57
Recorded 52 bursts of tracers fired from SW to NE			Cannon (N/K calibre)	28 October, 20:10-20:15		
Recorded 54 bursts of tracers fired from SW to NE				28 October, 20:17-20:23		
N/K, NE		Recorded 1 burst of tracer fired from E to W	Small arms	28 October, 20:37		
		Recorded 9 bursts of tracers fired from SW to NE	Cannon (N/K calibre)	28 October, 20:37-20:38		
3km NNE		Recorded 7 bursts tracers fired from SW to NE			28 October, 21:01-21:35	
N/K, NE		Recorded 2 indirect rocket-assisted projectiles fired from NW to SE	N/K	28 October, 21:43-21:44		
		Recorded 10 bursts of tracers fired from W to E	Small arms	29 October, 02:11		
N/K, NNW		Recorded 45 undetermined explosions	N/K	29 October, 09:06-10:03		
4-4.5km NNE		Recorded 23 explosions (impacts)	Artillery (N/K calibre)	29 October, 14:22-14:35		
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)		3-5km ESE	Recorded 1 undetermined explosion	N/K	28 October, 20:11	
	Recorded 1 undetermined explosion		28 October, 20:34			

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.

		Recorded 1 undetermined explosion		28 October, 20:38			
		Recorded 1 undetermined explosion		28 October, 20:39			
		Recorded 1 undetermined explosion		28 October, 20:41			
		Recorded 1 undetermined explosion		28 October, 20:43			
		Recorded 1 undetermined explosion		28 October, 20:44			
		Recorded 1 undetermined explosion		28 October, 20:46			
		Recorded 1 undetermined explosion		28 October, 20:49			
		Recorded 3 undetermined explosions		28 October, 21:59			
		Recorded 3 undetermined explosions		28 October, 22:00			
		Recorded 1 undetermined explosion		28 October, 22:02			
		Recorded 1 undetermined explosion		28 October, 22:03			
		Recorded 2 undetermined explosions		28 October, 22:40			
		Recorded 2 undetermined explosions		28 October, 22:41			
		Recorded 1 undetermined explosion		28 October, 22:45			
		Recorded 1 undetermined explosion		28 October, 23:01			
		3-4km ESE			Recorded 1 air burst		29 October, 16:00
					Recorded 1 explosion (impact)		29 October, 16:02
4-5km SE		Recorded 1 air burst	N/K	29 October, 17:06			
		Recorded 6 illumination flares fired from E to W		29 October, 17:07			
		Recorded 1 air burst		29 October, 17:09			
		Recorded 2 illumination flares fired from E to W		29 October, 17:10			
		Recorded 4 undetermined projectiles from W to E		29 October, 17:11			
		Recorded 2 air bursts		29 October, 17:12			
		Recorded 3 explosions (impacts)		29 October, 17:14			
		Recorded 1 undetermined projectile from S to N		29 October, 17:15			
		Recorded 1 air burst		29 October, 17:16			
		Recorded 3 air bursts		29 October, 17:22			
Recorded 1 undetermined projectile from S to N	29 October, 17:24						
5-6km SE		Recorded 2 explosions (impacts)		29 October, 17:25			
4-5km ESE		Recorded 1 explosion (impact)					
5-6km SE		Recorded 2 undetermined projectiles from N to S					
4-5km SE		Recorded 1 undetermined projectile from S to N					
2-3km SE		Recorded 9 undetermined projectiles from W to E					
4-5km SE		Recorded 4 undetermined projectiles from W to E					

	3-4km ESE	Recorded 2 air bursts		
	4-5km SE	Recorded 1 explosion (impact)		29 October, 17:26
	3-4km ESE	Recorded 2 air bursts		29 October, 17:27
		Recorded 1 illumination flare fired from E to W		29 October, 17:28
	2-3km ESE	Recorded 3 illumination flares fired from E to W		29 October, 17:29
		Recorded 1 illumination flare fired from E to W		29 October, 17:30
	3-4km ESE	Recorded 5 undetermined projectiles fired S to N		29 October, 17:32
		Recorded 1 illumination flare fired from E to W		
		Recorded 4 air bursts		
	4-5km ESE	Recorded 1 explosion (impact)		29 October, 17:34
	3-4km ESE	Recorded 2 air bursts		29 October, 17:37
	2-3km ESE	Recorded 6 undetermined projectiles fired W to E		
	3-4km SE	Recorded 1 air burst		29 October, 18:08
		Recorded 4 illumination flares fired from W to E		
		Recorded 1 air burst		
	4-5km ESE	Recorded 2 explosions (impacts)		29 October, 18:11
		Recorded 2 explosions (impacts)		29 October, 18:14
Recorded 1 explosion (impact)		29 October, 18:15		
Recorded 7 undetermined projectiles fired from E to W		29 October, 18:16		
Recorded 1 undetermined projectile fired from E to W		29 October, 18:17		
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	8-10km W	Heard 5 bursts (3-5 shots each)	HMG	28 October, 20:19
	8-12km NW	Heard 3 undetermined explosions	N/K	28 October, 20:21
	10-15km NW	Heard 3 undetermined explosions		28 October, 20:24
	8-10km W	Heard 15 bursts (3-5 shots each)	HMG	28 October, 20:25
	8-12km NW	Heard 11 undetermined explosions	N/K	28 October, 20:27-20:31
	8-12km W	Heard 8 undetermined explosions		28 October, 20:36-20:40
	8-12km NW	Heard 5 bursts (3-5 shots each)	HMG	28 October, 20:41
		Heard 14 bursts (3-5 shots each)		28 October, 20:43
	8-14km NW	Heard 15 undetermined explosions	N/K	28 October, 20:46-20:51
	8-12km NW	Heard 8 bursts (3-5 shots each)	HMG	28 October, 20:57
	8-14km NW	Heard 2 undetermined explosions	N/K	28 October, 20:58
	10-15km NW	Heard 3 undetermined explosions		28 October, 21:06
	10-15km NNE	Heard at least 200 undetermined explosions		28 October, 22:30-02:15
	3-5km SE	Heard 3 undetermined explosions		29 October, 03:48
	5-8km NE	Heard 14 undetermined explosions		29 October, 03:50-04:00
5-6km NW	Heard 1 undetermined explosion	29 October, 15:01		

Svitlodarsk (government-controlled, 57km NE of Donetsk)	7-10km SE	Heard 4 undetermined explosions	N/K	28 October, 21:40
		Heard 50 bursts	HMG	28 October, 21:42
		Heard 4 undetermined explosions	N/K	28 October, 21:55
		Heard 7 bursts	HMG	28 October, 22:02
		Heard 5 bursts	HMG	28 October, 22:29
		Heard 7 undetermined explosions	N/K	28 October, 22:40
		Heard 1 undetermined explosion		28 October, 23:01
		Heard 10 bursts	HMG	28 October, 23:30
		Heard 15 undetermined explosions	N/K	28 October, 23:33
		Heard 2 undetermined explosions		28 October, 23:40
		Heard 15 undetermined explosions		28 October, 23:50
		SMM camera site in Shyrokyne (20km E of Mariupol)	NNW	Heard 11 undetermined explosions
Lomakyne (government-controlled, 15km NE of Mariupol)	3-5km E	Heard 21 explosions (outgoing)	Artillery (N/K calibre)	29 October, 09:44-10:00
Makiivka (“DPR”-controlled, 12km NE of Donetsk)	5-6km W	Heard 1 undetermined explosion	N/K	29 October, 11:25
Zaichenko (“DPR”-controlled, 26km NE of Mariupol)	3-5km W	Heard 3 undetermined explosions	N/K	29 October, 12:04
	N/K, SE-SW	Heard 10 explosions (outgoing)		29 October, 13:55-14:10
	N/K, NW	Heard 2 undetermined explosions		
Uzhivka (“DPR”-controlled, 24km NE of Mariupol)	2-3km W	Heard 1 explosion (impact)	Mortar (N/K calibre)	29 October, 12:20-12:30
	N/K, W	Heard 6 shots	AGL	
		Heard 20 bursts	Small arms	
Sakhanka (“DPR”-controlled, 24km NE of Mariupol)	N/K, W	Heard at least 12 undetermined explosions	N/K	29 October, 13:10-13:30
		Heard at least 10 bursts	Small arms	
Azov (formerly Dzerzhynske) (“DPR”-controlled, 25km NE of Mariupol)	N/K, SE-SW	Heard 17 explosions (outgoing)	N/K	29 October, 13:35-13:45
		Heard 5 undetermined explosions	Mortar (calibre N/K)	
Hnutove (government-controlled, 20km NE of Mariupol)	N/K, SSE	Heard 11 undetermined explosions	N/K	29 October, 13:35-13:45
	5km SW	Heard 4 explosions (outgoing)	Artillery (N/K calibre)	29 October, 13:49-13:57
	N/K, SSE	Heard 4 explosions (impacts)		
	N/K, W	Heard 7 undetermined explosions	N/K	29 October, 15:15-15:20
Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city)	4-6km WNW	Heard 9 undetermined explosions	N/K	29 October, 14:11-14:23
	2-3km W	Heard 13 bursts	Small arms	
	2-4km W	Heard 9 undetermined explosions	N/K	29 October, 14:27-14:50
		Heard 44 undetermined explosions		
	2-3km W	Heard 2 bursts (20 shots each)	Small arms	
		Heard 40 bursts (4-6 shots each)		
3-5km WNW	Heard 4 undetermined explosions	N/K	29 October, 15:50	
SMM camera at Oktiabr mine (“DPR”-	5-7km SW	Recorded 1 undetermined explosion	N/K	29 October, 14:12

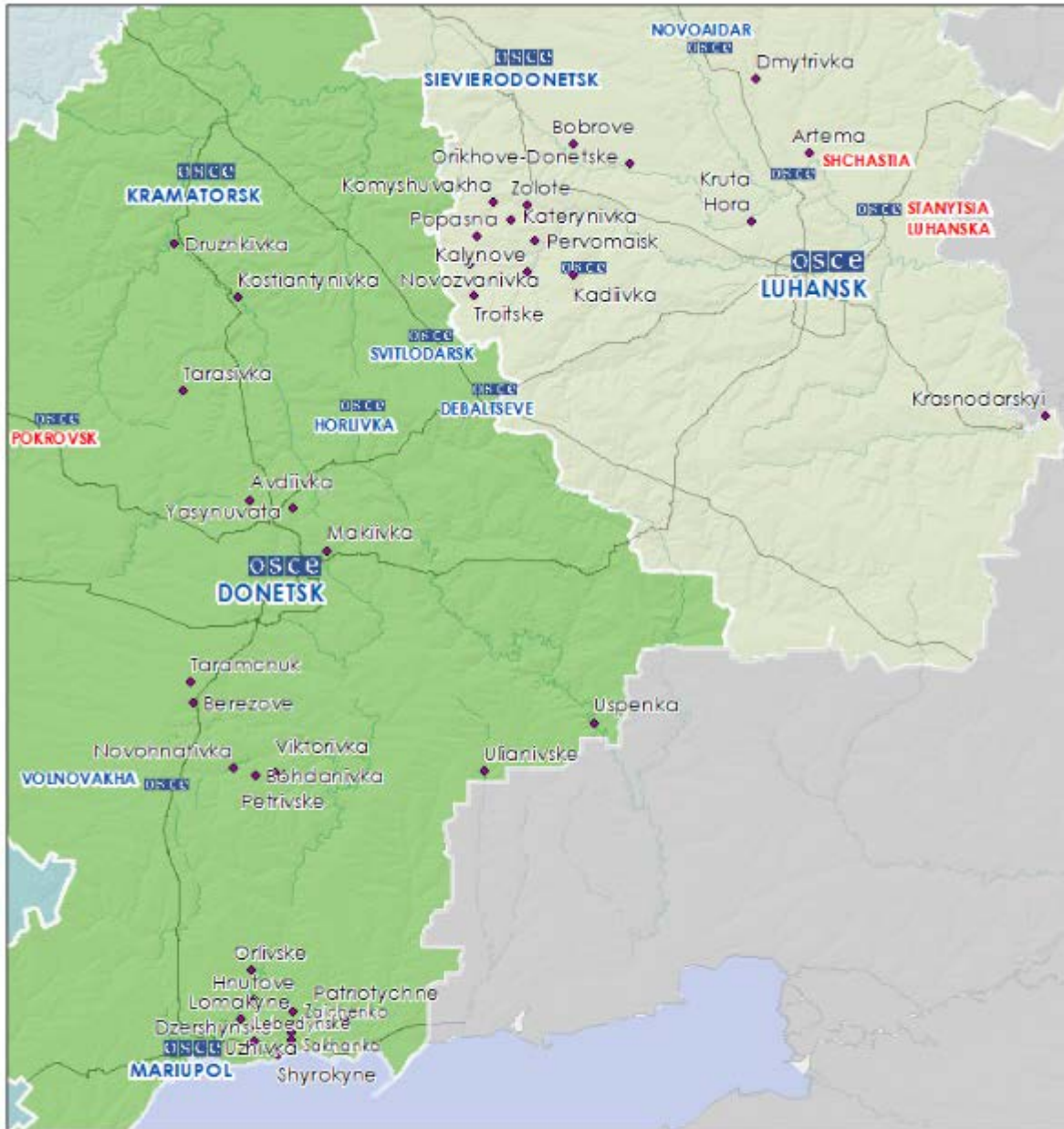
controlled, 10km NW of Donetsk)				
ENE outskirts of Mariupol city (government-controlled)	N/K, NNW	Heard 4 explosions (outgoing)	N/K	29 October, 14:50-14:55
Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K, W	Heard 8 undetermined explosions	N/K	29 October, 15:05-15:10
Kadiivka ("LPR"-controlled, 50km W of Luhansk)	10km W	Heard 11 undetermined explosions	N/K	29 October, 01:35-01:45
	3-5km W	Heard 14 undetermined explosions		29 October, 02:00-02:15
Kruta Hora ("LPR"-controlled, 16km NW of Luhansk)	15km NNW	Heard uncountable undetermined explosions (assessed as live-fire exercise outside security zone, in government-controlled Dmytrivka)	Artillery	29 October, 09:30-10:00
		Heard uncountable bursts and shots (assessed as live-fire exercise outside security zone, in government-controlled Dmytrivka)	HMG, Small arms	
1.5km NE of Novozvanivka (government-controlled, 70km W of Luhansk)	5km S	Heard 1 explosion (outgoing)	N/K	29 October, 11:05
Staryi Aidar (government-controlled, 20km NW of Luhansk)	20km S	Heard 1 undetermined explosion	N/K	29 October, 11:46
Kalynove ("LPR"-controlled, 60km W of Luhansk)	3-5km N	Heard 1 undetermined explosion	N/K	29 October, 11:58
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	6-10km S	Heard 1 undetermined explosion	N/K	29 October, 12:13
		Heard 2 undetermined explosions	N/K	29 October, 13:58
2.5km NW of Troitske (government-controlled, 69km W of Luhansk)	10km W	Heard 2 undetermined explosions	N/K	29 October, 12:27
2km NW of Troitske (government-controlled, 69km W of Luhansk)	10km NW	Heard 2 undetermined explosions	N/K	29 October, 12:34
		Heard 1 undetermined explosion		29 October, 12:41
	10km SW	Heard 1 undetermined explosion		29 October, 12:43
	10km W	Heard 1 undetermined explosion		29 October, 12:48
Heard 1 undetermined explosion		29 October, 12:51		
Orikhove-Donetske (government-controlled, 44km NW of Luhansk)	0.6-0.8km W	Heard 8-10 shots	Small arms	29 October, 13:10
Trokhizbenka (government-controlled, 32km NW of Luhansk)	4-6km S	Heard 1 undetermined explosion	N/K	29 October, 14:02

2km N of Sentiakivka (formerly Frunze, "LPR"-controlled, 44km W of Luhansk)	3km NE	Heard 1 undetermined explosion	N/K	29 October, 14:25
1.5km N of Trokhizbenka (government-controlled, 32km NW of Luhansk)	5-6km W	Heard 1 undetermined explosion	N/K	29 October, 14:26
Checkpoint at Zolote/Pervomaisk (government-controlled, 60km W of Luhansk)	3-5km W	Heard 2 undetermined explosions	Mortar (82mm)	29 October, 14:45-14:47
	8-10km W	Heard 1 undetermined explosion	Artillery	29 October, 15:16
		Heard 1 undetermined explosion		29 October, 15:19
		Heard 4 undetermined explosions		29 October, 15:21
Heard 4 undetermined explosions	29 October, 15:26			
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	10-15km NW	Heard 31 undetermined explosions	Artillery	29 October, 15:32-16:15
SMM camera in Shyrokyne (government-controlled, 20km E of Mariupol)	N/K, NNE	Recorded 2 indirect rocket-assisted projectiles fired from W to E	N/K	29 October, 17:52-17:53
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	8-10km W	Heard 5 undetermined explosions	N/K	29 October, 20:21
	8-10km NW	Heard 4 bursts (3-5 shots each)	HMG	29 October, 20:23
	8-12km NW	Heard 3 undetermined explosions	N/K	29 October, 20:25
	8-10km NW	Heard 1 burst (15-20 shots)	HMG	29 October, 20:27
	8-12km NW	Heard 1 undetermined explosion	N/K	29 October, 20:55
	8-12km NNW	Heard 1 undetermined explosion		29 October, 21:05
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded 1 undetermined explosion	N/K	29 October, 20:52
		Recorded 1 undetermined explosion		29 October, 21:07
		Recorded 3 undetermined explosions		29 October, 21:11-21:13
		Recorded 1 undetermined explosion		29 October, 21:31
		Recorded 1 undetermined explosion		29 October, 21:36
		Recorded 1 undetermined explosion		29 October, 22:10
		Recorded 2 airbursts		29 October, 22:52
		Recorded 1 illumination flare fired from E to W		30 October, 01:35
		Recorded 1 illumination flare fired from E to W		30 October, 01:38
Park Inn Hotel ("DPR"-controlled, Donetsk city centre)	7-10km NNW	Heard 2 undetermined explosions	N/K	29 October, 21:08
		Heard 11 undetermined explosions		29 October, 23:10-23:12
	6-7km N	Heard 6 undetermined explosions		29 October, 23:22-23:23
	6-7km NW	Heard 1 undetermined explosion		29 October, 23:31
Heard 1 undetermined		29 October, 23:37		

		explosion		
		Heard 3 undetermined explosions		29 October, 23:43
	7-10km N	Heard 1 undetermined explosion		30 October, 01:30
	7-10km NNW	Heard 1 undetermined explosion		30 October, 01:31
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km SE	Heard 3 undetermined explosions	N/K	29 October, 22:16
		Heard 10 bursts	HMG	29 October, 22:18
	0.5-1km S	Heard 1 undetermined explosion	N/K	29 October, 22:40
	5-7km SE	Heard 10 bursts	HMG	29 October, 23:40
Zaichenko (“DPR”-controlled, 26km NE of Mariupol)	3km NW	Heard 10 shots	Small arms	30 October, 09:13-09:25
	4km W	Heard 3 bursts		30 October, 09:22
	N/K, SW	Heard 5 undetermined explosions	N/K	30 October, 09:23-09:25
Yasynuvata (“DPR”-controlled, 15km NE of Donetsk)	3-5km NNW	Heard at least 15 undetermined explosions	N/K	30 October, 09:30-10:07
		Heard a continuous exchange of fire	HMG and small arms	30 October, 09:30- 10:24
		Heard at least 15 undetermined explosions	N/K	30 October, 10:10-10:24
	2-5km NW	Heard at least 30 undetermined explosions	N/K	30 October, 10:25-12:01
		Heard a continuous exchange of fire	HMG and small arms	
		Heard at least 60 undetermined explosions	N/K	30 October, 12:01-14:05
		Heard a continuous exchange of fire	HMG and small arms	
		Heard at least 60 undetermined explosions	N/K	30 October, 14:05-15:15
		Heard a continuous exchange of fire	HMG and small arms	
	Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city centre)	4-6km NNW	Heard 24 shots	Small arms
4-6km NW		Heard 17 shots	30 October, 09:52	
3-4km N		Heard 2 explosions (outgoing)	N/K	30 October, 13:18 - 13:22
3-4km NNW		Heard 2 explosions (impacts)		
3-5km NW		Heard 10 undetermined explosions		30 October, 14:52-15:00
3km S of Patriotychne (“DPR”-controlled, 35km NE of Mariupol)	1.5km SSE	Heard 6 explosions (outgoing)	N/K	30 October, 10:53-11:04
	N/K, WSW	Heard 6 explosions (impacts)		
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K, SSE	Heard 17 undetermined explosions	N/K	30 October, 11:00-11:04
	N/K, NNW	Heard 16 explosions (outgoing)		30 October, 12:07-12:15
	N/K, NNE	Heard 16 explosions (impacts)		30 October, 12:20-12:25
	N/K, NNW	Heard 15 explosions (outgoing)		
	N/K, NNE	Heard 15 explosions (impacts)		
1km S of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K, NNW	Heard 1 explosion (outgoing)	N/K	30 October, 12:27
	N/K, NNE	Heard 1 explosion (impact)		
3.6km E of Uzhivka (formerly Leninske, “DPR”-controlled, 24km NE of Mariupol)	1.5km WSW	Heard 5 explosions (outgoing)	N/K	30 October, 12:17-12:19
Orlivske (government-controlled, 23km NE of	8-10km SW	Heard 23 explosions (outgoing)	N/K	30 October, 12:20-12:30

Mariupol)				
Kadiivka (“LPR”-controlled, 50km W of Luhansk)	10km WSW	Heard 21 undetermined explosions	Artillery (likely)	30 October, 00:05-00:18
Sokilnyky (“LPR”-controlled, 39km NW of Luhansk)	1km S	Heard 5 bursts	HMG	30 October, 10:35-10:40
1km S of Bobrove (government-controlled, 56km NW of Luhansk)	6km SE	Heard 2 undetermined explosions	N/K	30 October, 10:55
Molodizhne (“LPR”-controlled, 63km W of Luhansk)	1km SW	Heard 2 shots	Small arms	30 October, 12:15
Pervomaisk (“LPR”-controlled, 58km W of Luhansk)	5km W	Heard 2 undetermined explosions	N/K	30 October, 12:42-12:47
1km NE of Novozvanivka (government-controlled, 70km W of Luhansk)	3-5km E	Heard 1 undetermined explosion and multiple bursts	N/K, HMG	30 October, 12:48
Troitske (government-controlled, 69km W of Luhansk)	5km SE	Heard 10 undetermined explosions	N/K	30 October, 13:05-13:15

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.)