

**Table of ceasefire violations as of 4 December 2017<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time	
SMM camera in Petrivske (“DPR”-controlled, 41km S of Donetsk)	0.5-1km S	Recorded 7 tracers from W to E (assessed as inside the disengagement area)	N/K	1 December, 16:40	
		Recorded 5 undetermined explosions (unable to assess whether inside or outside the disengagement area)			
		Recorded 1 tracer from SE to NW (assessed as inside the disengagement area)			
	1-2km SW	Recorded 1 projectile from N to S (assessed as inside the disengagement area)		1 December, 16:46	
		Recorded 1 tracer from E to W (assessed as inside the disengagement area)			
	0.5-1km W	Recorded 7 tracers from E to W (unable to assess whether inside or outside the disengagement area)		1 December, 16:47	
		Recorded 1 tracer from E to W (unable to assess whether inside or outside the disengagement area)			
		Recorded 6 tracers from E to W (unable to assess whether inside or outside the disengagement area)			1 December, 16:48
	1-2km SSW	Recorded 13 tracers from W to E (assessed as inside the disengagement area)		N/K	2 December, 17:37
		Recorded 26 undetermined explosions (assessed as inside the disengagement area)			
		Recorded 5 tracers from W to E (assessed as inside the disengagement area)			2 December, 18:02
		Recorded 7 tracers from W to E (assessed as inside the disengagement area)			2 December, 18:03
		Recorded 23 undetermined explosions (assessed as inside the disengagement area)			
		1-2km WSW			Recorded 2 tracers from W to E (assessed as inside the disengagement area)
Recorded 1 tracer from NE to SW (assessed as inside the disengagement area)					
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km ESE	Recorded 4 projectiles from E to W	N/K	3 December, 18:51	
		Recorded 2 undetermined explosions		3 December, 19:03	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded 21 tracers from NE to SW	N/K	3 December, 18:31	
		Recorded 7 undetermined explosions		3 December, 18:37	
		Recorded 6 undetermined explosions			
		Recorded 3 projectiles from W to E		3 December, 18:49	
		Recorded 3 tracers from W to E			
		Recorded 2 undetermined explosions		3 December, 18:59	
		Recorded 1 projectile from W to E		3 December, 19:13	
Recorded 12 tracers from W to E	3 December, 19:15				

<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 4 tracers from W to E		3 December, 19:23
		Recorded 2 tracers from W to E		3 December, 19:25
		Recorded 2 tracers from W to E		3 December, 19:26
		Recorded 2 projectiles from E to W		3 December, 20:10
		Recorded 5 undetermined explosions		3 December, 20:11
		Recorded 5 projectiles from E to W		3 December, 20:14
		Recorded 1 undetermined explosion		3 December, 20:16
		Recorded 4 projectiles from E to W		3 December, 20:17
		Recorded 1 undetermined explosion		3 December, 20:19
		Recorded 8 projectiles from E to W		3 December, 20:30
		Recorded 1 projectile from W to E		3 December, 21:42
		Recorded 1 undetermined explosion		3 December, 21:43
		Recorded 8 tracers from E to W		3 December, 21:44
		Recorded 1 tracer from E to W		3 December, 22:01
		Recorded 1 undetermined explosion		3 December, 22:24
		Recorded 4 tracers from E to W		3 December, 22:29
		Recorded 22 tracers from E to W		3 December, 22:33
		Recorded 13 tracers from E to W		3 December, 22:34
		Recorded 3 tracers from E to W		3 December, 22:44
		Recorded 3 tracers from E to W		3 December, 22:45
		Recorded 1 tracer from E to W		3 December, 22:46
		Recorded 1 undetermined explosion		3 December, 22:47
		Recorded 1 undetermined explosion		4 December, 00:53
		Recorded 5 tracers from E to W		4 December, 00:58
		Recorded 1 tracer from E to W		4 December, 01:42
		Recorded 1 tracer from W to E		4 December, 01:44
		Recorded 1 projectile from W to E		4 December, 02:15
		Recorded 2 tracers from E to W		4 December, 15:57
		Recorded 1 projectile from E to W		4 December, 17:30
		Recorded 21 projectiles from W to E		4 December, 17:32
		Recorded 20 projectiles from E to W		4 December, 17:33
		Recorded 12 projectiles from E to W		4 December, 18:08
		Recorded 4 projectiles from E to W		4 December, 18:09
		Recorded 1 undetermined explosion		4 December, 18:10
		Recorded 1 undetermined explosion		4 December, 18:13
		Recorded 6 projectiles from S to N		4 December, 18:14
		Recorded 1 undetermined explosion		4 December, 18:15
		Recorded 5 projectiles from S to N		4 December, 18:16.
		Recorded 3 projectiles from N to S		4 December, 18:21
		Recorded 2 undetermined explosions		4 December, 18:22
		Recorded 1 projectile from N to S		4 December, 18:23
		Recorded 2 projectiles from S to NW		4 December, 18:24
		Recorded 1 projectile from S to NW		
		Recorded 3 undetermined explosions		
		Recorded 1 projectile from E to W		
		Recorded 1 undetermined explosion		
		Recorded 2 projectiles from E to W		
		Recorded 4 projectiles from E to W		
		Recorded 1 illumination flare (trajectory N/K)		
Novohryhorivka ("DPR"-controlled, 61km NE of Donetsk)	2-3km WNW	Heard 1 burst	HMG	4 December, 10:09
2km W of Debaltseve ("DPR"-controlled, 58km NE of Donetsk)	10-15km WNW	Heard 64 undetermined explosions	N/K	4 December, 13:09-13:29
	3-5km WNW	Heard 1 burst	HMG	4 December, 13:33-13:45
	10-15km NW	Heard 6 undetermined explosions	N/K	4 December, 13:49-14:05
		Heard 23 undetermined explosions		
		Heard at least 15 undetermined explosions	MLRS (type N/K)	

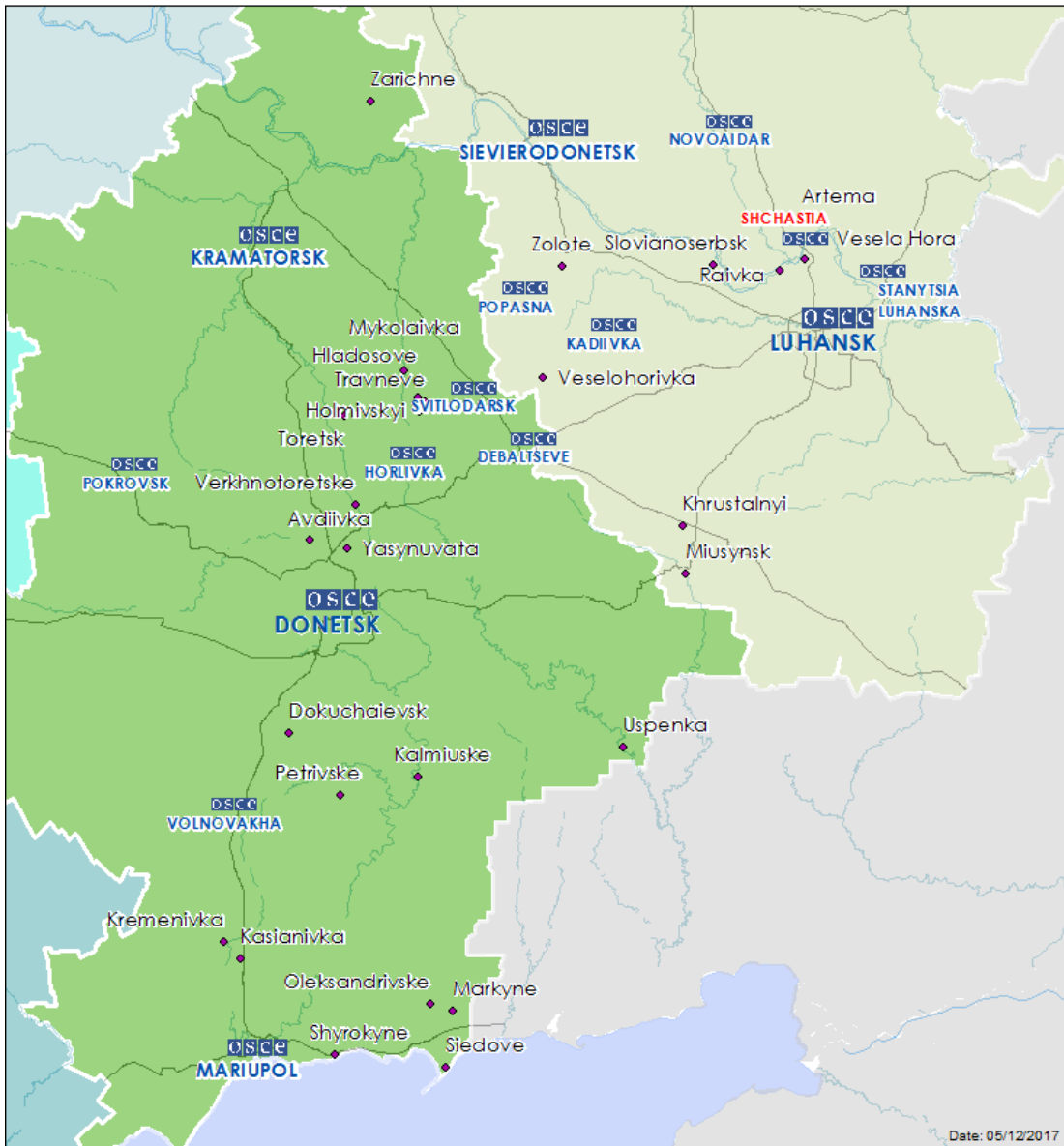
	2-3km N	Heard 1 shot	Small arms	
Railway station in Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	2-4km WSW	Heard 2 undetermined explosions	N/K	4 December, 08:45-08:57
		Heard 12 shots	Small arms	
	2-4km SW	Heard 1 undetermined explosion	N/K	4 December, 09:30-09:35
		Heard 8 shots	Small arms	
	3-5km WSW	Heard 6 bursts	N/K	4 December, 09:54-09:55
		Heard 6 undetermined explosions	Small arms	
		Heard 1 burst	N/K	4 December, 10:12
	1.5-2km W	Heard 1 undetermined explosion	N/K	4 December, 10:16-10:40
	1.5-3km W	Heard 12 shots	Small arms	
	2-4km WSW	Heard 4 shots		
	1-3km W	Heard 5 shots		
	2-4km WSW	Heard 3 undetermined explosions	N/K	4 December, 10:45-11:12
	1-3km W	Heard 3 bursts	HMG	
	3-5km NW	Heard 12 shots	Small arms	4 December, 11:50
	2-4km WSW	Heard 3 shots	N/K	4 December, 12:17
	2-4km W	Heard 2 undetermined explosions	Small arms	4 December, 12:20-12:55
	2-4km WSW	Heard 2 shots	N/K	
	2-4km WSW	Heard 1 undetermined explosion	N/K	
		Heard 1 shot	Small arms	
	2-4km W	Heard 3 undetermined explosions	N/K	
	2-4km WSW	Heard 1 undetermined explosion	Small arms	4 December, 13:09-13:26
		Heard 3 shots		
		Heard 13 shots		
	Heard 11 shots	N/K	4 December, 13:30-13:44	
	Heard 5 undetermined explosions			
1.5-2km WSW	Heard 2 undetermined explosions	N/K	4 December, 14:12-14:30	
3-5km WSW	Heard 15 undetermined explosions	Small arms	4 December, 14:32-14:44	
	Heard 28 shots	N/K		
	Heard 74 undetermined explosions	Small arms		
	Heard 27 shots	HMG		
	Heard 8 shots			
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km E	Heard 1 undetermined explosion	N/K	4 December, 13:45
		Heard at least 40 bursts	HMG, small arms	4 December, 14:30-14:37
	3-5km SSE	Heard 35 undetermined explosions	N/K	4 December, 14:39-14:47
		Heard 40 undetermined explosions	HMG, small arms	
	Heard at least 55 bursts			
Oleksandrivka ("DPR"-controlled, 20km SW of Donetsk)	3-4km NW	Heard 1 undetermined explosion	N/K	4 December, 08:52
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	3-5km NW	Heard 1 undetermined explosion	N/K	4 December, 11:52
		Heard 1 undetermined explosion		4 December, 12:10
	3-7km N	Heard 1 undetermined explosion		4 December, 13:40
1km NNW of the entry-exit checkpoint near Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SSE	Heard 1 undetermined explosion	N/K	4 December, 10:00
Tavrycheske ("DPR"-controlled, 35km NE of Mariupol)	2km S	Heard 31 shots	Small arms	4 December, 11:28-11:39
	3-4km SW	Heard 2 bursts		
	3-4km W	Heard 3 bursts		
		Heard 1 shot		
2km S	Heard 5 shots		4 December, 11:47	
1.5km W of Prymorske ("DPR"-controlled, 39km NE of Mariupol)	5km W	Heard 14 bursts	Small arms	4 December, 12:19-12:28
	5-6km WSW	Heard 9 shots		
	5-6km SW	Heard 2 bursts		
Horlivka ("DPR"-controlled, 39km NE)	3-4km WSW	Heard 2 undetermined explosions	N/K	3 December, 20:12
	10-12km SW	Heard 3 undetermined explosions		3 December, 20:36

of Donetsk)		Heard 2 undetermined explosions		3 December, 20:59
	3-4km WSW	Heard 9 undetermined explosions		3 December, 21:50-21:52
	3-8km WSW	Heard 10 undetermined explosions		3 December, 21:53-22:05
		Heard 12 explosions (outgoing)	Tank (type N/K)	
		Heard at least 70 bursts	HMG	
		Heard uncountable overlapping bursts	Anti-aircraft gun (ZU-23) cannon (23mm)	
		Heard uncountable overlapping bursts	IFV (BMP-2) cannon (30mm)	
		Heard uncountable overlapping bursts	Small arms	
		Heard uncountable overlapping bursts	Automatic grenade launcher	3 December, 22:07-22:19
		Heard 18 undetermined explosions	N/K	
		Heard at least 15 bursts	IFV (BMP-2) cannon	
		Heard 7 explosions (outgoing)	Tank (type N/K)	
		Heard uncountable overlapping bursts	Small arms	
		Heard at least 12 bursts	HMG	
		Heard 11 undetermined explosions	N/K	3 December, 22:19-22:26
	4-10km WSW	Heard uncountable overlapping bursts	Small arms	3 December, 22:30-22:34
	3-8km WSW	Heard 7 explosions (outgoing)	Tank (type N/K)	3 December, 22:43-22:45
		Heard 2 undetermined explosions	N/K	3 December, 22:52-22:54
		Heard uncountable overlapping bursts	HMG	3 December, 22:55-23:02
		Heard 2 undetermined explosions	N/K	3 December, 23:03
Heard 1 explosion (outgoing)		Tank (type N/K)	3 December, 23:04	
Heard 2 undetermined explosions		N/K	3 December, 23:10	
Heard 2 bursts		HMG		
Heard 2 explosions (outgoing)		Tank (type N/K)	3 December, 23:24	
Heard 7 bursts		HMG	3 December, 23:25	
Heard 3 undetermined explosions		N/K	3 December, 23:26	
Heard 15 bursts		Small arms	3 December, 23:37	
Heard 8 bursts		HMG	3 December, 23:39	
Heard 2 explosions (outgoing)		Tank (type N/K)	3 December, 23:43	
Svitlodarsk (government-controlled, 57km NE of Donetsk)		3-4km SE	Heard 3 bursts	Small arms
	Heard 1 undetermined explosion		N/K	3 December, 18:07
	Heard 3 bursts		HMG	3 December, 18:08
	Heard 1 undetermined explosion		N/K	3 December, 18:09
	Heard 14 bursts		Small arms	3 December, 18:14
	Heard 6 bursts			
		Heard 3 shots	Automatic grenade launcher	3 December, 18:46
	4-5km E	Heard 2 undetermined explosions	N/K	3 December, 18:49
	3-4km SE	Heard 2 shots	IFV (BMP-1) cannon (73mm)	3 December, 18:52
		Heard 2 undetermined explosions	N/K	3 December, 19:00
		Heard 4 shots	Automatic grenade launcher	3 December, 19:04
		Heard 21 bursts	Small arms	3 December, 19:08
		Heard 9 undetermined explosions	N/K	3 December, 19:09
		Heard 22 bursts	Small arms	3 December, 19:21
		Heard 5 shots	Automatic grenade launcher	3 December, 19:24
Heard 4 bursts		Anti-aircraft gun (ZU-23) cannon	3 December, 19:27	
	Heard 14 bursts	HMG	3 December, 19:32	
8-10km SW	Heard 4 undetermined explosions	N/K	3 December, 20:10	
	Heard 4 undetermined explosions		3 December, 20:20	
3-4km SE	Heard 5 bursts	HMG	3 December, 20:50	
	Heard 10 bursts		3 December, 21:15	

		Heard 5 shots	IFV (BMP-1) cannon	3 December, 21:20
		Heard 6 bursts	HMG	3 December, 21:30
		Heard 3 bursts	Small arms	3 December, 21:40
	3-5km SE	Heard 2 undetermined explosions	N/K	3 December, 21:50
	3-4km SE	Heard 3 bursts	Small arms	
	3-5km SE	Heard 5 undetermined explosions	N/K	3 December, 21:52
	3-4km SE	Heard 6 bursts	HMG	3 December, 21:55
	3-5km SE	Heard 5 undetermined explosions	N/K	3 December, 22:00
	3-4km SE	Heard 6 bursts	HMG	
	3-5km SE	Heard 1 undetermined explosion	N/K	3 December, 22:34
		Heard 5 undetermined explosions		3 December, 23:40
		Heard 4 undetermined explosions		3 December, 23:56
	5-6 km SW	Heard 7 undetermined explosions		4 December, 06:30
		Heard 10 undetermined explosions		4 December, 07:05
	3-5 km SE	Heard 5 bursts	HMG	4 December, 08:40
		Heard 6 undetermined explosions	N/K	4 December, 08:45
		Heard 3 undetermined explosions		4 December, 09:45
	3-5km SW	Heard 8 undetermined explosions	N/K	4 December, 13:45
	3-5km SE	Heard 2 undetermined explosions		4 December, 15:05
	5-6km SW	Heard 1 undetermined explosion		4 December, 16:05
3-5km SE	Heard 4 bursts	Small arms	4 December, 17:09	
	Heard 1 undetermined explosion	N/K	4 December, 17:24	
	Heard 9 bursts	Small arms	4 December, 17:29	
	Heard 11 shots	HMG	4 December, 17:30	
Betmanove (formerly Krasnyi Partyzan, "DPR"-controlled, 23km NE of Donetsk)	1-2 km NW	Heard 1 shot	Small arms	4 December, 09:51
N edge of Holmivskiyi ("DPR"-controlled, 49km NE of Donetsk)	3-4 km W	Heard 5 undetermined explosions	N/K	4 December, 12:45
SMM camera in Shyrokyne (20km E of Mariupol)	5-8km N	Recorded 5 tracers from W to E	N/K	3 December, 18:56
		Recorded 1 undetermined explosion		3 December, 19:34
		Recorded 1 tracer from W to E		3 December, 19:38
		Recorded 6 projectiles from E to W		3 December, 20:40
		Recorded 10 projectiles from E to W		3 December, 20:41
		Recorded 11 tracers from E to W		3 December, 20:59
		Recorded 1 projectile from E to W		3 December, 21:30
		Recorded 1 projectile from E to W		3 December, 21:33
		Recorded 12 projectiles from E to W		3 December, 21:56
		Recorded 4 projectiles from E to W		3 December, 22:07
		Recorded 3 projectiles from E to W		3 December, 22:25
		Recorded 10 projectiles from E to W		3 December, 22:26
		Recorded 2 tracers from W to E		3 December, 22:36
		Recorded 5 tracers from W to E		3 December, 22:44
		Recorded 2 tracers from E to W		3 December, 22:51
		Recorded 4 projectiles from E to W		3 December, 22:59
		Recorded 3 projectiles from E to W		3 December, 23:00
		Recorded 1 projectile from E to W		3 December, 23:01
		Recorded 10 projectiles from E to W		3 December, 23:02
		Recorded 1 projectile from E to W		3 December, 23:03
		Recorded 1 undetermined explosion		3 December, 23:04
		Recorded 3 projectiles from E to W		3 December, 23:09
		Recorded 3 projectiles from E to W		3 December, 23:10
		Recorded 5 projectiles from E to W		3 December, 23:11
		Recorded 8 tracers from E to W		3 December, 23:32
		Recorded 1 tracer from E to W		3 December, 23:48
		Recorded 10 tracers from E to W		4 December, 00:05
		Recorded 19 projectiles from E to W		4 December, 00:28
		Recorded 6 projectiles from E to W		4 December, 01:09
		Recorded 6 projectiles from E to W		4 December, 01:39
Recorded 6 projectiles from E to W	4 December, 01:40			

		Recorded 4 tracers from E to W		4 December, 03:35
		Recorded 4 tracers from E to W		4 December, 04:14
		Recorded 1 tracer from E to W		4 December, 04:40
		Recorded 3 tracers from E to W		4 December, 04:55
		Recorded 1 tracer from E to W		4 December, 04:59
		Recorded 3 tracers from E to W		4 December, 05:29
		Recorded 3 tracers from E to W		4 December, 05:30
N edge of Popasna (government- controlled, 69km W of Luhansk)	10-15km SW	Heard 5 undetermined explosions	Artillery (type N/K)	3 December, 21:15- 22:00
	5km SE	Heard 25 undetermined explosions	IFV (BMP-1) cannon	
		Heard 20 shots	AGL	
		Heard 8 explosions (outgoing)	Rocket-propelled grenade launcher (RPG)	
		Heard 4 explosions (outgoing)	Mortar (type N/K)	
		Heard 2 explosions (impacts)		
		Heard 50 bursts	HMG	
	3-4km E	Heard 8 undetermined explosions	Mortar (type N/K)	3 December, 22:10- 22:40
		Heard 12 undetermined explosions	IFV (BMP-1) cannon	
		Heard 15 shots	AGL	
10-15km SE	Heard 30 bursts	HMG	4 December, 03:50- 03:53	
	Heard 3 bursts	HMG		
10-15km SE	Heard 7 undetermined explosions	N/K	4 December, 05:50- 05:55	
SE edge of Popasna (government- controlled, 69km W of Luhansk)	2-2.5km E	Heard 120-150 overlapping shots and bursts	HMG, small arms	4 December, 10:15- 10:38
1.5km E of Popasna (government- controlled, 69km W of Luhansk)	0.5-0.6km SE	Heard 5 shots	Small arms	4 December, 14:19
Novooleksandrivka (65km W of Luhansk)	1-1.5km SSW	Heard 20 bursts	HMG	4 December, 10:31- 10:33
SE edge of VeseloHorivka ("LPR"-controlled, 64km W of Luhansk)	10-15km N	Heard 10 undetermined explosions	N/K	4 December, 11:55
NE end of Orikhove (government- controlled, 57km NW of Luhansk)	2-3km SSE	Heard 2 undetermined explosions	N/K	4 December, 12:47- 12:52

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



<sup>2</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol base from which SMM staff has temporarily relocated since 27 September 2016 based on recommendations of security experts from participating States.)