

Table of ceasefire violations as of 20 December 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded 35 projectiles from W to E	N/K	19 December, 18:51
		Recorded 4 projectiles from W to E		19 December, 18:52
		Recorded 5 projectiles from W to E		19 December, 19:04
		Recorded 4 projectiles from W to E		19 December, 19:05
		Recorded 13 projectiles from W to E		19 December, 19:12
		Recorded 8 projectiles from W to E		19 December, 19:13
		Recorded 2 undetermined explosions		19 December, 19:18-19:21
		Recorded 49 projectiles from W to E		
		Recorded 11 projectiles from W to E		19 December, 19:48
		Recorded 23 projectiles from W to E		19 December, 19:49 - 19:50
		Recorded 7 projectiles from W to E		19 December, 19:51
		Recorded 1 undetermined explosion		19 December, 20:09
		Recorded 1 projectile from E to W		19 December, 20:12
		Recorded 2 projectiles from E to W		19 December, 20:14
		Recorded 2 undetermined explosions		19 December, 20:17
		Recorded 1 projectile from E to W		
		Recorded 1 projectile from W to E		19 December, 20:18
		Recorded 4 projectiles from E to W		19 December, 20:24
		Recorded 1 projectile from E to W		19 December, 20:25
		Recorded 7 projectiles from W to E		
		Recorded 1 undetermined explosion		19 December, 20:27
		Recorded 1 projectile from E to W		19 December, 20:35
		Recorded 2 projectiles from E to W		19 December, 20:37
		Recorded 1 projectile from E to W		19 December, 20:38
		Recorded 1 projectile from E to W		19 December, 20:41
		Recorded 1 projectile from W to E		19 December, 20:42
		Recorded 1 projectile from W to E		19 December, 20:46
		Recorded 4 projectiles from E to W		
		Recorded 4 projectiles from W to E		19 December, 20:55
		Recorded 1 projectile from E to W		19 December, 20:57
		Recorded 3 projectiles from W to E		19 December, 20:59
		Recorded 3 projectiles from W to E		19 December, 21:00
		Recorded 2 undetermined explosions		19 December, 21:09
		Recorded 7 projectiles from W to E		19 December, 21:11
		Recorded 1 undetermined explosion		19 December, 21:16
		Recorded 1 undetermined explosion		19 December, 21:17
		Recorded 1 projectile from E to W		19 December, 21:20
		Recorded 1 projectile from W to E		
		Recorded 1 undetermined explosion		19 December, 21:21
		Recorded 1 projectile from E to W		
Recorded 1 undetermined explosion	19 December, 21:23			
Recorded 1 projectile from E to W	19 December, 21:25			
Recorded 1 undetermined explosion	19 December, 21:31			
Recorded 4 projectiles from E to W				
Recorded 6 projectiles from W to E	19 December, 21:32			
Recorded 2 projectiles from E to W	19 December, 21:33			
Recorded 1 undetermined explosion	19 December, 21:34			

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 7 projectiles from W to E	19 December, 21:45
	Recorded 3 projectiles from W to E	19 December, 21:46
	Recorded 1 projectile from W to E	19 December, 21:47
	Recorded 1 projectile from E to W	19 December, 21:48
	Recorded 1 undetermined explosion	19 December, 21:49
	Recorded 2 projectiles from E to W	19 December, 21:51
	Recorded 3 projectiles from W to E	19 December, 21:56
	Recorded 1 undetermined explosion	19 December, 22:03
	Recorded 2 projectiles from W to E	19 December, 22:07
	Recorded 2 projectiles from W to E	19 December, 22:09
	Recorded 3 projectiles from W to E	19 December, 22:10
	Recorded 2 projectiles from W to E	19 December, 22:42
	Recorded 1 projectile from W to E	19 December, 22:44
	Recorded 1 projectile from W to E	19 December, 22:45
	Recorded 2 projectiles from W to E	19 December, 23:00
	Recorded 2 projectiles from E to W	19 December, 23:08
	Recorded 2 projectiles from E to W	19 December, 23:09
	Recorded 7 projectiles from E to W	19 December, 23:10
	Recorded 10 projectiles from W to E	19 December, 23:11
	Recorded 4 projectiles from E to W	19 December, 23:12
	Recorded 3 projectiles from E to W	19 December, 23:13
	Recorded 1 projectile from E to W	19 December, 23:14
	Recorded 1 projectile from E to W	19 December, 23:27
	Recorded 1 projectile from E to W	19 December, 23:29
	Recorded 1 projectile from W to E	19 December, 23:30
	Recorded 2 projectiles from E to W	19 December, 23:31
	Recorded 4 projectiles from W to E	19 December, 23:32
	Recorded 3 projectiles from W to E	19 December, 23:41
	Recorded 6 projectiles from W to E	19 December, 23:42
	Recorded 3 projectiles from W to E	19 December, 23:43
	Recorded 1 undetermined explosion	19 December, 23:44
	Recorded 2 projectiles from W to E	19 December, 23:45
	Recorded 1 undetermined explosion	19 December, 23:50
	Recorded 1 projectile from W to E	19 December, 23:51
	Recorded 22 projectiles from E to W	19 December, 23:51
	Recorded 6 projectiles from E to W	20 December, 00:04
	Recorded 9 projectiles from W to E	20 December, 00:12
	Recorded 1 projectile from W to E	20 December, 00:13
	Recorded 1 projectile from W to E	20 December, 00:13
	Recorded 6 projectiles from W to E	20 December, 00:14
	Recorded 1 undetermined explosion	20 December, 00:15
	Recorded 1 projectile from E to W	20 December, 00:24
	Recorded 2 projectiles from E to W	20 December, 00:25
	Recorded 3 projectiles from W to E	20 December, 00:25
	Recorded 3 projectiles from E to W	20 December, 00:30
	Recorded 2 projectiles from E to W	20 December, 00:32
	Recorded 3 projectiles from W to E	20 December, 00:39
	Recorded 5 projectiles from W to E	20 December, 00:45
	Recorded 1 projectile from W to E	20 December, 00:46
	Recorded 1 undetermined explosion	20 December, 00:46
	Recorded 6 projectiles from E to W	20 December, 00:52
	Recorded 3 projectiles from W to E	20 December, 00:53
	Recorded 9 projectiles from E to W	20 December, 01:08
	Recorded 1 undetermined explosion	20 December, 01:10
	Recorded 1 undetermined explosion	20 December, 01:14
	Recorded 1 projectile from E to W	20 December, 01:30
	Recorded 1 undetermined explosion	20 December, 01:30

		Recorded 1 projectile from W to E		20 December, 01:40
		Recorded 1 projectile from W to E		20 December, 02:12
		Recorded 5 projectiles from E to W		20 December, 02:26
		Recorded 2 projectiles from E to W		20 December, 02:28
		Recorded 1 undetermined explosion		20 December, 02:29
		Recorded 1 projectile from W to E		20 December, 02:30
		Recorded 2 projectiles from E to W		20 December, 02:32
		Recorded 1 projectile from E to W		20 December, 02:33
		Recorded 3 projectiles from E to W		20 December, 02:36
		Recorded 1 undetermined explosion		20 December, 02:43
		Recorded 1 projectile from W to E		20 December, 02:47
		Recorded 1 projectile from W to E		20 December, 02:48
		Recorded 1 undetermined explosion		20 December, 02:59
		Recorded 1 projectile from W to E		20 December, 03:31
		Recorded 1 projectile from E to W		20 December, 03:43
		Recorded 1 undetermined explosion		20 December, 03:44
		Recorded 1 projectile from W to E		20 December, 03:50
		Recorded 3 projectiles from W to E		20 December, 04:46
		Recorded 1 projectile from E to W		20 December, 04:47
		Recorded 1 projectile from W to E		20 December, 05:07
		Recorded 2 projectiles from W to E		20 December, 05:11
		Recorded 2 projectiles from E to W		20 December, 05:14
		Recorded 1 projectile from E to W		20 December, 05:15
		Recorded 2 tracers from E to W		20 December, 16:15
		Recorded 3 tracers from E to W		20 December, 16:18
		Recorded 1 projectile from E to W		20 December, 16:21
		Recorded 1 tracer from E to W		20 December, 16:22
		Recorded 2 tracers from E to W		20 December, 17:02
		Recorded 1 undetermined explosion		20 December, 17:06
		Recorded 1 tracer from E to W		20 December, 17:07
		Recorded 2 undetermined explosions		20 December, 17:09
		Recorded 1 undetermined explosion		20 December, 17:11
		Recorded 1 tracer from E to W		20 December, 17:17
		Recorded 1 undetermined explosion		20 December, 17:19
		Recorded 2 tracers from E to W		20 December, 17:21
		Recorded 2 undetermined explosions		20 December, 17:30
		Recorded 2 tracers from E to W		20 December, 17:37
		Recorded 1 undetermined explosion		20 December, 17:41
		Recorded 1 undetermined explosion		20 December, 17:42
		Recorded 2 tracers from E to W		20 December, 17:57
		Recorded 2 tracers from E to W		20 December, 17:59
		Recorded 1 undetermined explosion		20 December, 18:02
		Recorded 2 undetermined explosions		20 December, 18:05
		Recorded 1 illumination flare		20 December, 18:06
		Recorded 1 projectile from W to E		20 December, 18:09
		Recorded 1 undetermined explosion		20 December, 18:30
		Recorded 2 undetermined explosions		19 December, 19:27
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km SE	Recorded 1 undetermined explosion	N/K	19 December, 20:53
		Recorded 1 projectile from S to N		19 December, 21:02
		Recorded 2 projectiles from S to N		19 December, 22:30
		Recorded 1 projectile from N to S		19 December, 22:35
		Recorded 3 projectiles from S to N		19 December, 23:06
		Recorded 7 projectiles from N to S		19 December, 23:10
		Recorded 1 projectile from N to S		

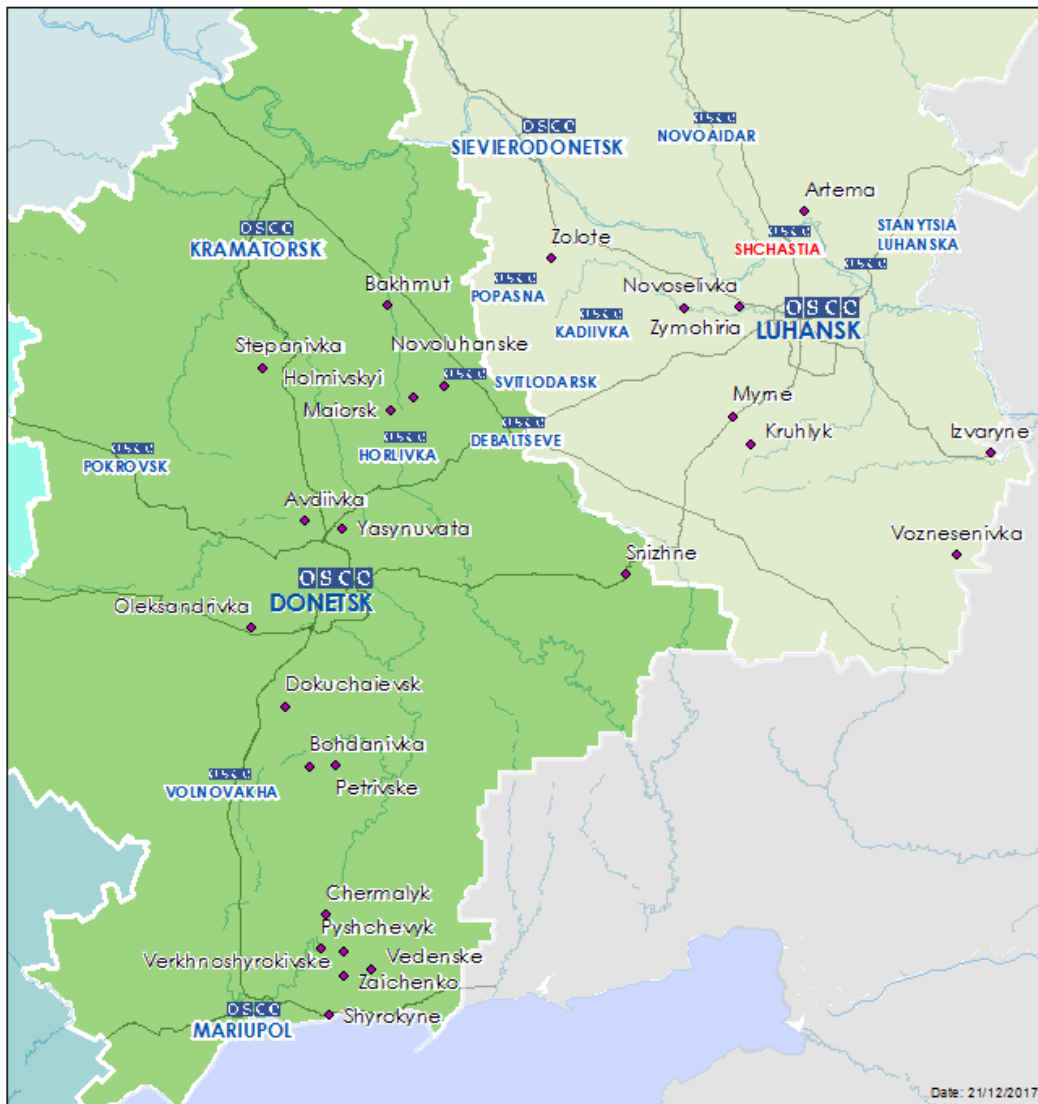
		Recorded 1 projectile from S to N		19 December, 23:11
		Recorded 5 projectiles from N to S		19 December, 23:15
		Recorded 15 projectiles from N to S		19 December, 23:21
		Recorded 2 projectiles from S to N		
		Recorded 1 projectile from S to N		19 December, 23:22
		Recorded 2 projectiles from S to N		19 December, 23:23
		Recorded 17 undetermined explosions		
		Recorded 53 projectiles from S to N		19 December, 23:27
		Recorded 2 projectiles from N to S		19 December, 23:29
		Recorded 2 projectiles from S to N		19 December, 23:40
		Recorded 20 projectiles from S to N		20 December, 00:00
		Recorded 8 projectiles from S to N		20 December, 00:01
		Recorded 9 projectiles from S to N		
		Recorded 9 projectiles from N to S		20 December, 01:48
		Recorded 1 undetermined explosion		20 December, 03:54
		Recorded 1 undetermined explosion		20 December, 04:00
		Recorded 7 projectiles from S to N		
		Recorded 7 projectiles from N to S		20 December, 04:01
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	5-8km N	Recorded 1 illumination flare in vertical flight	N/K	19 December, 19:26
		Recorded 3 projectiles from E to W		19 December, 22:57
		Recorded 1 projectile from E to W		20 December, 17:34
		Recorded 1 projectile from W to E		20 December, 17:38
		Recorded 3 projectiles from E to W		
		Recorded 1 projectile from W to E		20 December, 17:44
		Recorded 1 projectile from E to W		20 December, 17:47
		Recorded 16 projectiles from E to W		20 December, 17:53
		Recorded 1 projectile from E to W		20 December, 18:08
		Recorded 5 projectiles from E to W		20 December, 18:19
		Recorded 2 projectiles from E to W		20 December, 18:22
		Recorded 5 projectiles from E to W		20 December, 18:26
		Debaltseve ("DPR"-controlled, 58km NE of Donetsk)		7-10km WNW
5-7km SW	Heard 1 undetermined explosion		N/K	20 December, 14:27
3-5km NW	Heard 46 shots		Small arms	20 December, 14:30-14:37
5-7km NW	Heard 7 bursts			20 December, 14:39
Dokuchaievsk ("DPR"-controlled, 30km SW of Donetsk)	2-4km NW	Heard 1 burst	N/K	20 December, 10:52
Railway station in Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	1-3km NW	Heard 9 bursts	Small arms	20 December, 09:30-10:00
		Heard 47 shots		
	1-3km E	Heard 4 shots		20 December, 10:25-10:28
	2-4km WSW	Heard 11 bursts		
	2-4km NNW	Heard 3 shots	N/K	20 December, 10:52
		Heard 50 undetermined explosions		Small arms, HMG
	Heard uncountable overlapping bursts and shots			
2-4km WNW	Heard 8 undetermined explosions	N/K	20 December, 11:15	

		Heard 33 shots	Small arms	20 December, 11:17-11:19	
	2-4km W	Heard 21 shots			
	2-4km WNW	Heard 6 undetermined explosions	N/K		20 December, 11:20
	2-4km NW	Heard 2 undetermined explosions			20 December, 11:21-11:22
	2-4km W	Heard 5 undetermined explosions			20 December, 11:22
	2-4km NNW	Heard 8 undetermined explosions			
	2-4km W	Heard 43 undetermined explosions	Small arms		20 December, 11:23-11:30
		Heard 26 shots			
	1-3km NW	Heard 61 undetermined explosions	N/K		20 December, 11:30-12:00
		Heard 43 bursts	HMG		
		Heard 26 shots	Small arms		
	2-4km WNW	Heard 5 undetermined explosions	N/K		20 December, 12:05-12:10
		Heard 20 shots	Small arms		
		Heard 3 undetermined explosions	N/K		
	1-3km N	Heard 3 undetermined explosions			
	1-3km NW	Heard 15 undetermined explosions	Small arms		20 December, 12:30-13:00
Heard 16 shots					
Heard 13 shots					
Heard 4 bursts					
Heard 3 undetermined explosions		N/K		20 December, 14:00-14:28	
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	3-4km NNW	Heard 2 bursts	Small arms		20 December, 13:50
	2-4km NW	Heard 1 undetermined explosion	N/K		20 December, 14:00
	1-2km NE	Heard 3 shots	Small arms		20 December, 14:24
	3-5km W	Heard 2 undetermined explosions	N/K	20 December, 14:30	
	2-4km W	Heard and saw 12 tracers from W to E		20 December, 14:44-14:47	
		Heard 4 undetermined explosions	N/K	20 December, 14:47	
		Heard 9 undetermined explosions		Small arms	20 December, 14:58-14:55
Heard 4 shots					
3-4km W	Heard 1 undetermined explosion	N/K	20 December, 15:00		
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SW	Heard 7 undetermined explosions	N/K	20 December, 11:18-11:22	
		Heard 20 bursts	HMG		
	3-5km ESE	Heard 2 undetermined explosions	N/K	20 December, 14:10	
2km ENE of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K E	Heard 6 shots (assess as outside the disengagement area)	Small arms	20 December, 09:30-09:56	
	N/K SSW	Heard 5 undetermined explosions (assessed as outside the disengagement area)	N/K		
1km NNW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K ESE	Heard 2 undetermined explosions	N/K	20 December, 10:29	
Chermalyk (government-controlled, 31km NE of Mariupol)	N/K SSE	Heard 4 undetermined explosions	N/K	20 December, 10:29-10:33	
W edge of Verkhnohyrokiivske (formerly Oktiabr, "DPR"-controlled, 29km NE of Mariupol)	1-2km SSW	Heard 4 bursts	Small arms	20 December, 10:40	
1km N of Zaichenko ("DPR"-controlled,	N/K SSW	Heard 19 undetermined explosions	N/K	20 December, 10:48-11:24	

26km NE of Mariupol)		Heard 2 explosions (outgoing)		
	N/K W	Heard 2 undetermined explosion		
		Heard 19 shots	Small arms	
		Heard 2 bursts		
		Heard 25 shots		
		Heard 15 shots		
	Heard 15 bursts	HMG		
N/K SW	Heard 4 undetermined explosions	N/K	20 December, 11:37	
	Heard 3 undetermined explosions			
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	5-6km SW	Heard 4 undetermined explosions	N/K	19 December, 22:10- 22:30
		Heard 20 bursts	HMG	
		Heard 16 undetermined explosions	N/K	20 December, 03:30- 04:10
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-6 km SE	Heard 10 bursts	HMG	19 December, 18:20
	6-8 km E	Heard 8 explosions (outgoing)	N/K	19 December, 19:25
	5-6 km SE	Heard 1 explosion (outgoing)	Mortar (120mm)	19 December, 19:30
	8-10 km E	Heard 6 explosions (outgoing)	N/K	19 December, 19:40
	5-6 km E	Heard 5 bursts	HMG	19 December, 19:45
	6-7 km S	Heard 6 bursts	Small arms	19 December, 19:54
	8-10 km SW	Heard 7 undermined explosions	N/K	19 December, 20:05
		Heard 2 undetermined explosions		19 December, 20:14
		Heard 4 bursts	Small arms	19 December, 20:15
		Heard 2 undetermined explosions	N/K	19 December, 20:17
	8-10 km SW	Heard 4 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	19 December, 21:24
	2 km NE	Heard 40 explosions (outgoing)	MLRS (BM-21 Grad, 122mm)	19 December, 23:23
5 km NW	Heard 10 explosions (outgoing)	Artillery (152mm)	19 December, 23:40-23:45	
Novoluhanske (government-controlled, 53km N of Donetsk)	6-8km SW	Heard 10 undetermined explosions	N/K	20 December, 12:35-12:40
Stepanivka (government-controlled, 54km N of Donetsk)	10km SW	Heard 1 undetermined explosions	N/K	20 December, 09:38
	6-7km E	Heard 2 undetermined explosions		20 December, 13:20
SMM camera in Zolote (government-controlled, 60km NW of Luhansk)	4-9km SE	Recorded 1 undetermined explosion (assessed as outside the disengagement area)	N/K	18 December, 19:26
	4-6km ENE	Recorded 1 undetermined explosion (assessed as outside the disengagement area)		18 December, 19:29
	4-7km SE	Recorded 1 undetermined explosion (assessed as outside the disengagement area)		18 December, 20:42
Kadiivka (formerly Stakhanov, “LPR”-controlled, 50km W of Luhansk)	14-20km WSW	Heard 5 undetermined explosions	N/K	19 December, 23:24-23:26
2km NNE of Novoselivka (“LPR”-controlled, 16km W of Luhansk)	6-10km SW	Heard 2 undetermined explosions	N/K	20 December, 10:12
		Heard 1 undetermined explosion		20 December, 10:20
		Heard 12 undetermined explosions		20 December, 10:30-10:37
		Heard 4 undetermined explosions		20 December, 10:50-10:55
Zymohiria (“LPR”-controlled, 27km W of Luhansk)	5km SE	Heard 16 undetermined explosions (assessed as the same as those heard in Novoselivka above)	N/K	20 December, 10:30-10:32
Kruhlyk (“LPR”-controlled, 31km SW of Luhansk)	7km NW	Heard 10 explosions (outgoing) (assessed as live-fire exercise)	Tank (125mm)	20 December, 11:55-11:58

1km SE of Stanytsia Luhanska Bridge (15km NE of Luhansk)	0.25km N	Heard 1 explosion (outgoing) (assessed as outside the disengagement area)	Mortar (82mm)	20 December, 12:32
E edge of Stanytsia Luhanska (government- controlled, 16km NE of Luhansk)	5km S	Heard 10 single shots (unable to assess whether inside or outside the disengagement area)	HMG	20 December, 13:15-13:20

Map of Donetsk and Luhansk regions²



² 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.)