

**Table of ceasefire violations as of 17 December 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	4-6km SSW	Recorded	6	Projectile	WSW to ENE	N/K	16-Dec, 19:31
	4-6km SSW	Recorded	2	Projectile	ENE to WSW	N/K	16-Dec, 19:31
	4-6km SSW	Recorded	7	Projectile	WSW to ENE	N/K	16-Dec, 19:32
	1.4-2km SE	Recorded	2	Projectile	NE to SW	N/K	16-Dec, 20:53
	1.4-2km SE	Recorded	2	Projectile	NE to SW	N/K	16-Dec, 20:55
	1.5-2km ESE	Recorded	5	Projectile	NE to SW	N/K	16-Dec, 21:25
	1.5-2km ESE	Recorded	8	Projectile	NE to SW	N/K	16-Dec, 21:26
	1.5-2km ESE	Recorded	2	Projectile	SW to NE	N/K	16-Dec, 21:26
	1.5-2km SE	Recorded	2	Projectile	SW to NE	N/K	16-Dec, 21:26
	1.4-2km SE	Recorded	4	Projectile	NE to SW	N/K	16-Dec, 21:40
	1.4-2km SE	Recorded	4	Projectile	NE to SW	N/K	16-Dec, 22:04
	1.4-2km SE	Recorded	2	Projectile	NE to SW	N/K	16-Dec, 22:46
	1.4-2km SE	Recorded	4	Projectile	NE to SW	N/K	16-Dec, 22:22
	1.4-2km SSE	Recorded	3	Projectile	NE to SW	N/K	16-Dec, 22:42
	1.4-2km SSE	Recorded	6	Projectile	NE to SW	N/K	16-Dec, 22:53
	1.4-2km SE	Recorded	2	Projectile	NE to SW	N/K	16-Dec, 23:16
	1.4-2km ESE	Recorded	10	Projectile	NE to SW	N/K	16-Dec, 23:28
	1.4-2km SE	Recorded	1	Projectile	NE to SW	N/K	16-Dec, 23:46
	1.4-2km ESE	Recorded	3	Projectile	NE to SW	N/K	16-Dec, 23:46
	1.4-2km ESE	Recorded	1	Projectile	NE to SW	N/K	17-Dec, 01:02
1.4-2km ESE	Recorded	3	Projectile	NE to SW	N/K	17-Dec, 01:54	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km S	Recorded	1	Projectile	E to W	N/K	16-Dec, 19:47
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	17-Dec, 03:45
	2-4km SW	Recorded	1	Explosion	Undetermined	N/K	17-Dec, 03:58
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	17-Dec, 04:00
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	17-Dec, 04:01
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	17-Dec, 04:45
	1-2km SSW	Recorded	5	Projectile	E to W	N/K	17-Dec, 17:26
	1-2km SSW	Recorded	2	Projectile	E to W	N/K	17-Dec, 17:36
	1-2km SSW	Recorded	3	Projectile	E to W	N/K	17-Dec, 18:04
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	17-Dec, 18:20
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	17-Dec, 18:24
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km ENE	Recorded	1	Projectile	N to S	N/K	16-Dec, 19:14
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 19:14
	3-5km ENE	Recorded	9	Projectile	S to N	N/K	16-Dec, 19:20
	3-5km ENE	Recorded	3	Projectile	N to S	N/K	16-Dec, 19:20
	3-5km ENE	Recorded	4	Projectile	S to N	N/K	16-Dec, 19:21
	3-5km ENE	Recorded	9	Projectile	S to N	N/K	16-Dec, 19:22
	3-5km ENE	Recorded	8	Projectile	N to S	N/K	16-Dec, 19:22
	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	16-Dec, 19:22
	3-5km ENE	Recorded	4	Projectile	S to N	N/K	16-Dec, 19:23
	3-5km ENE	Recorded	4	Projectile	N to S	N/K	16-Dec, 19:23
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 19:23
	0.8-3.5km SE	Recorded	1	Projectile	NNE to SSW	N/K	16-Dec, 21:13
	2-4km SE	Recorded	4	Projectile	SSW to NNE	N/K	16-Dec, 22:03
	2-4km SE	Recorded	3	Projectile	NNE to SSW	N/K	16-Dec, 22:54
2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	17-Dec, 04:07	
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	3-5km NNE	Recorded	1	Projectile	W to E	N/K	17-Dec, 17:24
SMM camera at entry-exit checkpoint in Marinka	1-3km N	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 20:25

<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.

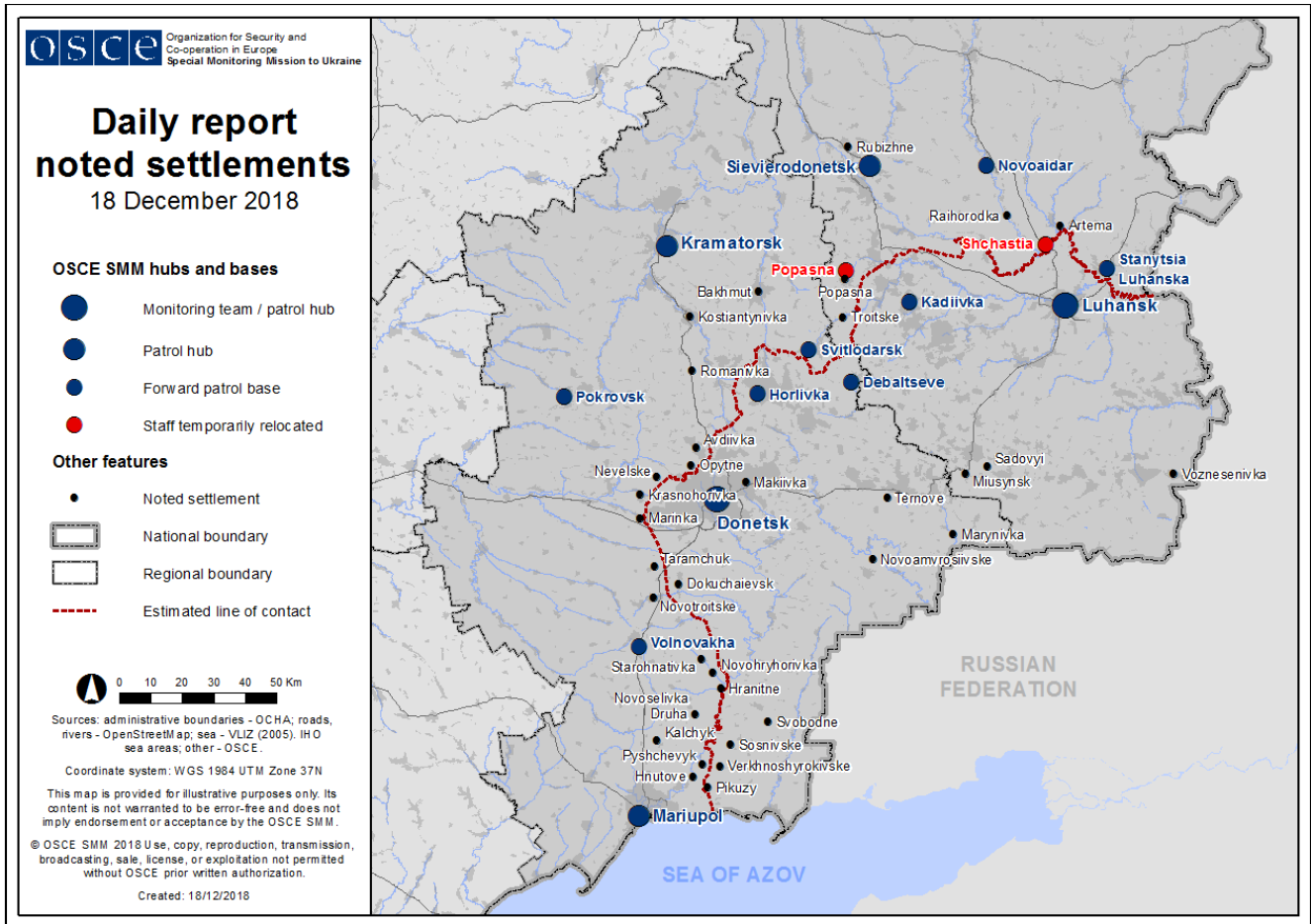
(government-controlled, 23km SW of Donetsk)							
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km S	Heard	6	Explosion	Undetermined	N/K	17-Dec, 11:37
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	17-Dec, 11:42-12:22
	1-2km SE	Heard	56	Burst		HMG	17-Dec, 13:32-13:37
About 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	1	Explosion	Undetermined	N/K	17-Dec, 12:25
	1-2km SW	Heard	5	Burst		HMG	17-Dec, 13:25-13:27
	1-2km SW	Heard	4	Shot		Small arms	17-Dec, 13:35
Pavlopil (government-controlled, 26km NE of Mariupol)	3-4km E	Heard	1	Explosion	Undetermined	N/K	17-Dec, 10:48
Chermalyk (government-controlled, 31km north-east of Mariupol)	N/K E	Heard	4	Explosion	Undetermined	N/K	17-Dec, 11:57
Lebedynske (government-controlled, 16km north-east of Mariupol)	N/K E	Heard	2	Explosion	Undetermined	N/K	17-Dec, 12:28-12:30
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-5km SE	Heard	12	Burst		HMG	16-Dec, 18:43-18:45
	3-6km SE	Heard	2	Explosion	Undetermined	N/K	16-Dec, 18:45-18:50
	2-5km SE	Heard	5	Burst		HMG	16-Dec, 18:58-19:00
	2-5km SE	Heard	3	Burst		HMG	16-Dec, 19:12
	2-5km SE	Heard	5	Burst		HMG	16-Dec, 19:20
	2-5km SE	Heard	6	Burst		HMG	16-Dec, 19:22-19:25
	2-5km SE	Heard	8	Shot		Small arms	16-Dec, 19:28
	3-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Dec, 19:35
	2-5km SE	Heard	6	Burst		HMG	16-Dec, 19:45-19:46
	3-6km SE	Heard	2	Burst		HMG	16-Dec, 19:52-19:53
	2-4km SE	Heard	4	Shot		Small arms	16-Dec, 19:57
	2-3km SE	Heard	2	Burst		Small arms	16-Dec, 20:03
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	16-Dec, 20:09
	2-3km SE	Heard	2	Burst		Small arms	16-Dec, 20:18
	2-4km SE	Heard	2	Burst		HMG	16-Dec, 20:20-20:21
	3-5km SE	Heard	6	Burst		Small arms	16-Dec, 20:22-20:23
	2-4km SE	Heard	5	Burst		Small arms	16-Dec, 20:31-20:34
	2-4km SE	Heard	3	Shot		HMG	16-Dec, 20:33
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	16-Dec, 20:37
	2-3km SE	Heard	30	Burst		Small arms	16-Dec, 20:39-20:41
2-3km SE	Heard	4	Burst		Small arms	16-Dec, 20:49-20:50	
2-3km SE	Heard	13	Shot		Small arms	16-Dec, 20:51-20:52	
2-3km SE	Heard	15	Burst		Small arms	16-Dec, 20:53-20:58	
2-3km SE	Heard	2	Burst		HMG	16-Dec, 20:58-20:59	

	2-3km SE	Heard	8	Burst		Small arms	16-Dec, 21:00-21:02
	2-4km SE	Heard	4	Burst		HMG	16-Dec, 21:06-21:08
	2-3km SE	Heard	15	Burst		Small arms	16-Dec, 21:15-21:19
	2-3km SE	Heard	6	Shot		Small arms	16-Dec, 21:21
	2-3km SE	Heard	3	Burst		Small arms	16-Dec, 22:23
	2-3km SE	Heard	17	Burst		Small arms	16-Dec, 22:27-21:29
	2-4km SE	Heard	12	Shot		Small arms	16-Dec, 21:30
	2-3km SE	Heard	9	Burst		Small arms	16-Dec, 21:46
	2-4km SE	Heard	2	Shot		HMG	16-Dec, 21:52
	2-3km SE	Heard	21	Burst		Small arms	16-Dec, 21:57-22:00
	2-4km SE	Heard	2	Burst		HMG	16-Dec, 22:04
	2-4km SE	Heard	14	Burst		HMG	16-Dec, 22:09-22:10
	2-3km SE	Heard	2	Burst		Small arms	16-Dec, 22:16
	2-3km SE	Heard	12	Burst		Small arms	16-Dec, 22:23-22:24
	2-3km SE	Heard	10	Shot		Small arms	16-Dec, 22:30
	2-4km SE	Heard	5	Burst		HMG	16-Dec, 22:31
	2-3km SE	Heard	19	Burst		Small arms	16-Dec, 22:33
	3-6km SE	Heard	2	Explosion	Undetermined	N/K	16-Dec, 22:41
	2-3km SE	Heard	8	Shot		Small arms	16-Dec, 22:48
	2-3km SE	Heard	15	Burst		Small arms	16-Dec, 23:10-23:12
	2-4km SE	Heard	23	Burst		HMG	16-Dec, 23:30-23:41
	2-3km SE	Heard	2	Burst		Small arms	16-Dec, 23:45
	2-4km SE	Heard	6	Burst		HMG	16-Dec, 23:46
	3-6km SE	Heard	2	Burst		HMG	16-Dec, 23:47
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 08:31
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	17-Dec, 10:34
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	17-Dec, 11:14
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 11:35
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 12:10
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 13:14
About 2.5km N of Myronivskiyi (government-controlled, 62km NE of Donetsk)	5-7km SE	Heard	2	Explosion	Undetermined	N/K	17-Dec, 10:05
	3-5km SSE	Heard	3	Explosion	Undetermined	N/K	17-Dec, 10:31
	4-6km SSE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 10:58
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 11:12
E edge of Kamiianka (government-controlled, 20km N of Donetsk)	3-5km SSE	Heard	6	Explosion	Undetermined	N/K	17-Dec, 11:35
	4-6km S	Heard	4	Explosion	Undetermined	N/K	17-Dec, 12:21
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 12:33
	3-4km E	Heard	1	Explosion	Undetermined	N/K	17-Dec, 13:20-13:25
	3-4km E	Heard	18	Burst		HMG	17-Dec, 13:20-13:25
	2-4km SW	Heard	5	Explosion	Undetermined	N/K	17-Dec, 13:35-13:50
	2-4km SW	Heard	8	Burst		HMG	17-Dec, 13:35-13:50
Myronivskiyi city centre (government-controlled, 62km NE of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	17-Dec, 11:45
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	17-Dec, 12:10
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-5km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 20:47
	2-5km SSW	Recorded	3	Projectile	ESE to WNW	N/K	16-Dec, 20:50
	2-5km SSW	Recorded	2	Projectile	ESE to WNW	N/K	16-Dec, 20:51
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 20:59
	2-5km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Dec, 21:01
	2-5km SSW	Recorded	1	Illumination	In vertical	N/K	16-Dec, 21:26

				flare	flight		
	2-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Dec, 21:29
	2-4km SSW	Recorded	3	Projectile	NE to SW	N/K	17-Dec, 16:58
	2-4km SSW	Recorded	1	Burst	NE to SW	N/K	17-Dec, 17:00
	2-4km SSW	Recorded	5	Projectile	WNW to ESE	N/K	17-Dec, 17:36
	2-4km SSW	Recorded	8	Projectile	ESE to WNW	Anti-aircraft gun (ZU-23, 23mm)	17-Dec, 17:43
	2-4km SSW	Recorded	8	Projectile	ESE to WNW	Anti-aircraft gun (ZU-23, 23mm)	17-Dec, 17:47
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	Anti-aircraft gun (ZU-23, 23mm)	17-Dec, 17:47
	2-4km SSW	Recorded	6	Projectile	ESE to WNW	N/K	17-Dec, 17:48
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km E	Recorded	9	Projectile	SSE to NNW (unable to assess whether inside or outside the disengagement area)	N/K	16-Dec, 19:41
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km NNW	Heard	27	Explosion	Undetermined	N/K	16-Dec, 21:52-22:10
N edge of Yuzhna Lomuvatka (non-government-controlled, 60km W of Luhansk)	3-4km NNE	Heard	3	Burst	Assessed as live-fire exercise inside the security zone	Small arms	17-Dec, 09:20
2.2km SW of Myrne (non-government-controlled, 28km SW of Luhansk)	0.7-1.5km NE	Heard	22	Explosion	Undetermined assessed as live-fire exercise outside the security zone	Artillery (type N/K)	17-Dec, 09:39-10:20
Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NE	Heard	14	Burst		HMG	17-Dec, 09:57-10:01
N edge of Dachne (non-government-controlled, 47km W of Luhansk)	3-5km NNE	Heard	1	Explosion	Impact	N/K	17-Dec, 10:06
	2-3km N	Heard	5	Explosion	Undetermined	N/K	17-Dec, 10:08-10:20
	2-3km N	Heard	30	Burst		HMG	17-Dec, 10:12-10:30
	5-10km NW	Heard	1	Explosion	Impact	N/K	17-Dec, 10:34
2.4km S of Muratove (government-controlled, 51km NW of Luhansk)	3-5km S	Heard	16	Burst		HMG	17-Dec, 10:14-10:30
	3-5km S	Heard	9	Burst		Cannon (30mm)	17-Dec, 10:14-10:30
	3-5km S	Heard	5	Shot		Cannon (30mm)	17-Dec, 10:14-10:30
	2-3km S	Heard	20	Burst		HMG	17-Dec, 10:40-10:48
S edge of Veselohorivka (non-government-controlled, 64km W of Luhansk)	5-10km NNE	Heard	2	Explosion	Undetermined	N/K	17-Dec, 11:01-11:40
Zolote-2/Karbonit	6-10km SE	Heard	33	Explosion	Undetermined	N/K	17-Dec,

(government-controlled, 62km W of Luhansk)					(assessed as outside the disengagement area)		13:30-13:43
Syrotyne (government-controlled, 71km NW of Luhansk)	2-3km S	Heard	10	Burst	Outgoing (assessed as live-fire exercise outside the security zone)	Small arms	17-Dec, 13:30-13:31
	2-3km S	Heard	16	Shot	Assessed as live-fire exercise outside the security zone	Small arms	17-Dec, 13:31-13:32
	2-3km S	Heard	16	Shot	Assessed as live-fire exercise outside the security zone	Small arms	17-Dec, 13:37-13:39
	1.5-2.5km S	Heard	45	Explosion	Outgoing (assessed as live-fire exercise outside the security zone)	Under-barrel grenade launcher (possible GP-25)	17-Dec, 13:41-13:45
	1.5-2.5km S	Heard	4	Shot	Outgoing (assessed as live-fire exercise outside the security zone)	Under-barrel grenade launcher (possible GP-25)	17-Dec, 13:45
	2.5-3.5km S	Heard	65	Explosion	Outgoing (assessed as live-fire exercise outside the security zone)	Under-barrel grenade launcher (possible GP-25)	17-Dec, 13:56-14:00
	3-4km S	Heard	11	Shot	Outgoing (assessed as live-fire exercise outside the security zone)	Small arms	17-Dec, 14:00

## 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 bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).