

Table of ceasefire violations as of 29 November 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-5km SE	Recorded	5	Projectile	SW to NE	N/K	28-Nov, 21:25
	3-5km SE	Recorded	4	Projectile	SW to NE	N/K	28-Nov, 23:07
	3-5km SE	Recorded	5	Projectile	SW to NE	N/K	28-Nov, 23:50
	3-5km SE	Recorded	4	Projectile	SW to NE	N/K	29-Nov, 00:19
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SE	Recorded	10	Projectile	NE to SW	N/K	28-Nov, 20:37
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	29-Nov, 16:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Nov, 17:48
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Nov, 17:51
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Nov, 17:52
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:52
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Nov, 18:03
	0.5-1km SSW	Recorded	2	Explosion	Undetermined	N/K	28-Nov, 18:11
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	28-Nov, 18:22
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	28-Nov, 18:36
	0.5-1km S	Recorded	1	Projectile	W to E	N/K	28-Nov, 19:20
	2-4km SSW	Recorded	2	Projectile	NW to SE	N/K	28-Nov, 20:33
	0.8-1.5km S	Recorded	1	Muzzle flash		N/K	28-Nov, 22:05
	3-5km SSW	Recorded	1	Projectile	NW to SE	N/K	28-Nov, 23:39
	2-4km SSW	Recorded	2	Projectile	NW to SE	N/K	29-Nov, 01:34
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	29-Nov, 01:43
	1-2km S	Recorded	5	Explosion	Undetermined	N/K	29-Nov, 01:45
	2-4km SSW	Recorded	1	Projectile	NNE to SSW	N/K	29-Nov, 03:10
	2-4km SSW	Recorded	1	Projectile	ESE to WNW	N/K	29-Nov, 03:10
	1-3km SSW	Recorded	2	Projectile	E to W	N/K	29-Nov, 18:02
	1-3km SSW	Recorded	2	Projectile	W to E	N/K	29-Nov, 18:17
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-3km E	Recorded	1	Projectile	N to S	N/K	28-Nov, 18:30
	1-3km E	Recorded	6	Projectile	N to S	N/K	28-Nov, 18:31
	1-3km E	Recorded	2	Muzzle flash		N/K	28-Nov, 18:32
	1-3km E	Recorded	3	Projectile	S to N	N/K	28-Nov, 19:14
	1-3km E	Recorded	1	Projectile	S to N	N/K	28-Nov, 19:15
	2-4km NE	Recorded	2	Projectile	N to S	N/K	28-Nov, 20:46
	2-4km NE	Recorded	1	Projectile	N to S	N/K	28-Nov, 20:50
	2-4km ENE	Recorded	8	Projectile	S to N	N/K	28-Nov, 20:50
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	28-Nov, 20:52
	2-4km ENE	Recorded	9	Projectile	S to N	N/K	28-Nov, 20:53
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	28-Nov, 20:58
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	28-Nov, 21:47
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	28-Nov, 21:52
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	28-Nov, 21:52
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	28-Nov, 21:53
	2-4km ENE	Recorded	2	Muzzle flash		N/K	28-Nov, 21:53
	2-4km E	Recorded	2	Projectile	S to N	N/K	28-Nov, 23:36
	2-4km E	Recorded	2	Projectile	S to N	N/K	28-Nov, 23:37
	2-4km E	Recorded	3	Projectile	S to N	N/K	28-Nov, 23:38
	2-4km E	Recorded	2	Projectile	S to N	N/K	28-Nov, 23:39
2-4km E	Recorded	2	Projectile	N to S	N/K	28-Nov, 23:39	
3-5km E	Recorded	1	Projectile	S to N	N/K	28-Nov, 23:51	
3-5km E	Recorded	5	Projectile	S to N	N/K	29-Nov, 00:05	

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.

	3-5km E	Recorded	2	Projectile	S to N	N/K	29-Nov, 00:07
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	29-Nov, 00:24
	3-5km NE	Recorded	2	Projectile	NNW to SSE	N/K	29-Nov, 01:59
	3-5km NE	Recorded	1	Projectile	NNW to SSE	N/K	29-Nov, 04:01
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	29-Nov, 18:09
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	5	Projectile	N to S	N/K	28-Nov, 18:37
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Nov, 19:16
	2-4km E	Recorded	1	Projectile	S to N	N/K	28-Nov, 19:18
	2-4km E	Recorded	1	Projectile	S to N	N/K	28-Nov, 19:25
	2-4km E	Recorded	1	Explosion	Impact	N/K	28-Nov, 19:25
	1-3km ENE	Recorded	5	Projectile	N to S	N/K	28-Nov, 21:21
	2-4km ENE	Recorded	12	Projectile	S to N	N/K	28-Nov, 21:27
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	9	Projectile	ENE to WSW	N/K	28-Nov, 19:41
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	28-Nov, 19:41
	2-4km NNE	Recorded	1	Explosion	Impact	N/K	28-Nov, 19:41
	1-3km NNE	Recorded	5	Projectile	E to W	N/K	28-Nov, 21:05
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	3	Projectile	E to W	N/K	28-Nov, 20:33
	2-4km SSE	Recorded	2	Muzzle flash		N/K	28-Nov, 20:56
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	28-Nov, 20:57
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	28-Nov, 21:30
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	28-Nov, 22:25
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	28-Nov, 22:37
	2-4km S	Recorded	3	Projectile	E to W	N/K	28-Nov, 22:57
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	3	Projectile	NE to SW	Anti-aircraft gun (ZU-23, 23mm)	28-Nov, 23:05
	2-4km S	Recorded	2	Projectile	W to E	N/K	28-Nov, 23:07
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Nov, 23:12
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	28-Nov, 23:36
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Nov, 23:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Nov, 23:36
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Nov, 23:37
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	28-Nov, 23:37
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	28-Nov, 23:38
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Nov, 23:39
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	28-Nov, 23:40
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Nov, 23:42
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	28-Nov, 23:43
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	28-Nov, 23:51
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	28-Nov, 23:53
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	28-Nov, 23:53
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	29-Nov, 00:05
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	29-Nov, 00:05
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	29-Nov, 00:07
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	29-Nov, 00:12
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	29-Nov, 00:12
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 00:34
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	29-Nov, 00:45
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	29-Nov, 00:48
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	29-Nov, 00:56
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Nov, 01:23
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	29-Nov, 01:23
2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Nov, 01:50	
2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Nov, 01:52	
SMM camera in	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Nov, 19:08

Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	14	Projectile	N to S	N/K	29-Nov, 00:19
	2-4km E	Recorded	7	Projectile	N to S	N/K	29-Nov, 00:20
	2-4km E	Recorded	3	Projectile	N to S	N/K	29-Nov, 00:41
	2-4km E	Recorded	3	Projectile	N to S	N/K	29-Nov, 00:40
	2-4km E	Recorded	6	Projectile	N to S	N/K	29-Nov, 00:43
	2-4km E	Recorded	2	Projectile	N to S	N/K	29-Nov, 01:09
	2-4km E	Recorded	19	Projectile	N to S	N/K	29-Nov, 03:25
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	1-2km N	Heard	4	Shot		Small arms	29-Nov, 09:41
	4-6km S	Heard	1	Explosion	Impact	N/K	29-Nov, 09:48
	2-3km N	Heard	1	Explosion	Undetermined	N/K	29-Nov, 10:25
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km N	Heard	2	Burst		Small arms	29-Nov, 09:30
	2-4km N	Heard	38	Explosion	Undetermined	N/K	29-Nov, 10:47-10:54
	2-4km N	Heard	7	Shot		HMG	29-Nov, 10:47-10:54
	2-4km N	Heard	2	Burst		HMG	29-Nov, 10:47-10:54
6km NW of Donetsk city centre	4-5km W	Heard	2	Explosion	Undetermined	N/K	29-Nov, 14:39
	4-5km W	Heard	2	Explosion	Undetermined	N/K	29-Nov, 14:41
	4-5km W	Heard	4	Explosion	Undetermined	N/K	29-Nov, 14:46
	3-4km W	Heard	3	Burst		HMG	29-Nov, 14:46
1km NNW of the entry-exit checkpoint Pyschchevyk (government controlled, 25km NE of Mariupol)	N/K NE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 12:06
	N/K NE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 12:11
3km E of Fedorivka (government-controlled, 32km NE of Mariupol)	N/K E	Heard	5	Shot		HMG	29-Nov, 12:30
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km NNW	Heard	15	Explosion	Undetermined	N/K	28-Nov, 18:30-18:37
	5-7km NNW	Heard	27	Burst		HMG	28-Nov, 18:30-18:37
	5-7km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	28-Nov, 19:00-19:14
	5-7km W	Heard	30	Burst		HMG	28-Nov, 19:00-19:14
	5-7km W	Heard	11	Explosion	Undetermined	N/K	28-Nov, 19:33-19:40
	5-7km W	Heard	23	Burst		Small arms	28-Nov, 19:33-19:40
	5-7km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	28-Nov, 19:43-19:45
	5-7km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 20:10
	5-7km W	Heard	17	Burst		HMG	28-Nov, 20:10
	5-7km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	28-Nov, 20:48
	5-7km W	Heard	17	Burst		HMG	28-Nov, 20:48
	5-7km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 20:55
	5-7km W	Heard	7	Burst		HMG	28-Nov, 21:21
	5-7km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 21:21
	5-7km W	Heard	10	Burst		HMG	28-Nov, 21:55
	5-7km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 21:55
	5-7km W	Heard	3	Burst		HMG	28-Nov, 22:12
	5-7km W	Heard	3	Explosion	Undetermined	N/K	28-Nov, 22:12
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km E	Heard	4	Burst		HMG	28-Nov, 18:32
	3-5km E	Heard	4	Burst		HMG	28-Nov, 18:34

Donetsk)	3-5km E	Heard	2	Burst		HMG	28-Nov, 18:52
	3-5km E	Heard	6	Burst		HMG	28-Nov, 20:24
	3-5km E	Heard	26	Burst		HMG	28-Nov, 20:42-20:49
	3-5km E	Heard	10	Explosion	Undetermined	N/K	28-Nov, 20:47-20:49
	6-8km E	Heard	4	Explosion	Undetermined	N/K	28-Nov, 21:08-21:11
	3-5km E	Heard	5	Burst		HMG	28-Nov, 21:17-21:18
	3-5km E	Heard	2	Burst		HMG	28-Nov, 21:19
	3-5km E	Heard	5	Burst		Small arms	28-Nov, 21:20
	3-5km E	Heard	3	Burst		Small arms	28-Nov, 21:28
	3-5km E	Heard	30	Burst		Small arms	28-Nov, 21:31-21:33
	3-5km ESE	Heard	8	Shot		Small arms	28-Nov, 21:46
	3-5km ESE	Heard	15	Burst		Small arms	28-Nov, 21:55
	3-5km ESE	Heard	3	Burst		Small arms	28-Nov, 21:57
	3-5km ESE	Heard	8	Shot		Small arms	28-Nov, 22:02
	3-5km ESE	Heard	30	Shot		Small arms	28-Nov, 22:18
	3-5km ESE	Heard	10	Burst		Small arms	28-Nov, 22:18
	3-5km ESE	Heard	30	Shot		Small arms	28-Nov, 22:21
	3-5km ESE	Heard	25	Burst		HMG	28-Nov, 22:22-22:23
	3-5km ESE	Heard	15	Burst		Small arms	28-Nov, 22:23-22:24
	3-5km ESE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 22:25
	3-5km ESE	Heard	30	Burst		Small arms	28-Nov, 22:25-22:26
	3-5km ESE	Heard	3	Burst		Small arms	28-Nov, 22:27
	3-5km ESE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 22:28
	3-5km ESE	Heard	3	Explosion	Undetermined	N/K	28-Nov, 22:30
	3-5km ESE	Heard	20	Burst		Small arms	28-Nov, 22:30-22:31
	3-5km ESE	Heard	10	Shot		Small arms	28-Nov, 22:31
	3-5km ESE	Heard	20	Burst		Small arms	28-Nov, 22:33-22:34
	3-5km ESE	Heard	10	Burst		Small arms	28-Nov, 22:38
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 22:38
	3-5km ESE	Heard	5	Burst		HMG	28-Nov, 22:39
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 22:42
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 22:44
	3-5km ESE	Heard	5	Burst		Small arms	28-Nov, 22:44
	3-5km ESE	Heard	4	Burst		Small arms	28-Nov, 22:46
	3-5km ESE	Heard	6	Burst		Small arms	28-Nov, 22:49
	3-5km ESE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 22:50
	3-5km ESE	Heard	8	Burst		Small arms	28-Nov, 22:52
	3-5km ESE	Heard	20	Shot		Small	28-Nov, 22:53

						arms	
	3-5km ESE	Heard	35	Burst		HMG	28-Nov, 23:01-23:05
	3-5km ESE	Heard	20	Burst		HMG	28-Nov, 23:18
	3-5km ESE	Heard	5	Burst		HMG	28-Nov, 23:20
	3-5km ESE	Heard	3	Explosion	Undetermined	N/K	28-Nov, 23:23
	3-5km ESE	Heard	10	Burst		Small arms	28-Nov, 23:38
	3-5km ESE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 23:38
	3-5km ESE	Heard	35	Burst		Small arms	28-Nov, 23:39-23:42
	3-5km ESE	Heard	5	Burst		Small arms	28-Nov, 23:51
	3-5km ESE	Heard	1	Burst		Small arms	28-Nov, 23:55
	3-4km SE	Heard	3	Shot		Small arms	29-Nov, 13:33
	3-4km ESE	Heard	25	Burst		HMG	29-Nov, 15:20
	3-4km ESE	Heard	5	Burst		Small arms	29-Nov, 15:24
	3-5km ESE	Heard	15	Burst		Small arms	29-Nov, 15:43
	3-5km ESE	Heard	9	Burst		HMG	29-Nov, 16:44
	3-5km ESE	Heard	2	Burst		Small arms	29-Nov, 18:04
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km ENE	Recorded	12	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	28-Nov, 23:26
	1-3km ENE	Recorded	1	Burst	NNW to SSE (assessed as outside the disengagement area)	N/K	29-Nov, 00:05
	0.5-1km E	Recorded	1	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	29-Nov, 17:41
E edge of Kamianka (government-controlled, 20km N of Donetsk)	1-2km NE	Heard	3	Burst		HMG	29-Nov, 09:33
	1-2km SE	Heard	7	Burst		HMG	29-Nov, 10:47
	2-3km ESE	Heard	4	Burst		HMG	29-Nov, 11:46
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km N	Heard	56	Explosion	Undetermined	N/K	28-Nov, 23:21-23:45
	10-15km N	Heard	5	Burst		HMG	28-Nov, 23:21-23:45
Holubivske (non-government-controlled, 51km W of Luhansk)	2-4km NE	Heard	8	Burst		HMG	29-Nov, 09:30-09:36
N edge of Zolote-4/Rodina (government-controlled, 59km W of Luhansk)	0.7-1km SE	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	29-Nov, 10:32
2km S of Muratove (government-controlled, 51km NW of Luhansk)	3-5km SE	Heard	1	Shot		Cannon (30mm)	29-Nov, 10:55
	2-3km NE	Heard	15	Shot		Cannon (30mm)	29-Nov, 10:56-11:01

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