

Table of ceasefire violations as of 20 December 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	19-Dec, 18:53
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	1-1.5km ESE	Recorded	4	Projectile	NNE to SSW	N/K	20-Dec, 03:47
	3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	20-Dec, 16:26
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	20-Dec, 16:53
	3-5km SE	Recorded	13	Projectile	NNE to SSW	N/K	20-Dec, 17:05
	3-5km SE	Recorded	1	Explosion	Outgoing	N/K	20-Dec, 17:05
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	20-Dec, 17:17
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	20-Dec, 17:19
	3-5km SE	Recorded	3	Projectile	SSW to NNE	N/K	20-Dec, 17:28
	3-5km SE	Recorded	5	Projectile	NNE to SSW	N/K	20-Dec, 17:30
	3-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	20-Dec, 17:33
	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	20-Dec, 17:35
	3-5km SE	Recorded	2	Projectile	NNE to SSW	N/K	20-Dec, 17:36
	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	20-Dec, 17:38
	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	20-Dec, 17:40
	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	20-Dec, 17:42
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km S	Recorded	3	Muzzle flash		N/K	20-Dec, 01:59
	300-700m S	Recorded	4	Muzzle flash		N/K	20-Dec, 02:05
	500-700m S	Recorded	1	Projectile	W to E	N/K	20-Dec, 02:05
	0.5-1km S	Recorded	2	Muzzle flash		N/K	20-Dec, 02:25
	500-700m S	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 17:20
500-700m S	Recorded	1	Projectile	NNW to SSE	N/K	20-Dec, 17:46	
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 17:26
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	3-5km ENE	Recorded	1	Projectile	N to S	N/K	20-Dec, 17:12
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	2	Projectile	NNW to SSE	N/K	19-Dec, 23:05
	2-3km NE	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 00:47
SMM camera at entry-exit checkpoint in Marinka (government-	2-4km NNE	Recorded	23	Projectile	WNW to ESE	N/K	19-Dec, 21:24
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:09
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:10
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:11
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:12

⁹ 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.

controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	20-Dec, 00:13
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:14
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:15
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 00:52
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 00:54
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	20-Dec, 00:55
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	20-Dec, 00:55
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 01:21
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	20-Dec, 02:03
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 02:04
	2-4km N	Recorded	1	Projectile	In vertical flight	N/K	20-Dec, 02:19
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	1-3km NW	Recorded	5	Projectile	Assessed as outside the disengagement area	N/K	13-Dec, 21:22
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Explosion	Outgoing	N/K	19-Dec, 19:43
	3-5km N	Recorded	1	Explosion	Impact	N/K	19-Dec, 19:43
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Dec, 20:06
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	19-Dec, 20:07
	3-5km N	Recorded	1	Projectile	W to E	N/K	19-Dec, 20:10
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	19-Dec, 20:11
	3-5km N	Recorded	1	Explosion	Outgoing	N/K	19-Dec, 20:11
	3-5km N	Recorded	1	Projectile	W to E	N/K	19-Dec, 20:11
	3-5km NNE	Recorded	2	Projectile	W to E	N/K	19-Dec, 20:11
	4-6km NNE	Recorded	1	Projectile	E to W	N/K	19-Dec, 20:12
	3-5km NNE	Recorded	2	Projectile	ESE to WNW	N/K	19-Dec, 20:14
	3-5km NNE	Recorded	2	Projectile	W to E	N/K	19-Dec, 20:14
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	19-Dec, 20:23
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Dec, 20:25
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	19-Dec, 20:31
	3-5km N	Recorded	5	Projectile	W to E	N/K	20-Dec, 00:08
3-5km N	Recorded	7	Projectile	W to E	N/K	20-Dec, 03:22	
3-5km N	Recorded	6	Projectile	W to E	N/K	20-Dec, 04:30	
About 1.2km NNE of the central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city center)	3-5km NE	Heard	1	Explosion	Undetermined	N/K	20-Dec, 09:27
W part of Petrovskiyi (non-government-controlled, 15km SW of Donetsk city center)	2-3km SW	Heard	3	Shot		Small arms	20-Dec, 11:21
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	3-4km NW	Heard	5	Burst		HMG	20-Dec, 13:48
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NW	Heard	8	Burst		HMG	20-Dec, 09:15
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	20-Dec, 09:28
	2-3km N	Heard	5	Burst		HMG	20-Dec, 10:04
	1km SW	Heard	5	Shot		Small arms	20-Dec, 10:12
	2-3km NW	Heard	20	Burst		Small arms	20-Dec, 12:29-12:34

	2km W	Heard	13	Shots and bursts		Small arms	20-Dec, 12:49
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	3km SW	Heard	1	Explosion	Undetermined	N/K	20-Dec, 11:20
About 700m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	1km SSW	Heard	7	Shot	Assessed as inside the disengagement area	Small arms	20-Dec, 10:35-10:37
About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km WSW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	20-Dec, 11:52
	3-5km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Dec, 13:15
About 1.7km E of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km N	Heard	1	Shot		Small arms	20-Dec, 10:55
	3-4km N	Heard	7	Explosion	Undetermined	N/K	20-Dec, 12:17-12:20
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	1km S	Heard	1	Shot		Small arms	20-Dec, 10:03
	2-3km NE	Heard	4	Burst		Small arms	20-Dec, 10:04
	1km S	Heard	1	Shot		Small arms	20-Dec, 10:10
About 3km NW of Marinka (government controlled, 23km SW of Donetsk)	2-4km WNW	Heard	21	Burst		Small arms	20-Dec, 11:03-11:08
About 1km N of Pyshchevyk (government-controlled, 84km S of Donetsk)	3-5km NNW	Heard	7	Explosion	Outgoing	N/K	20-Dec, 09:45-09:50
	3-5km NNW	Heard	11	Explosion	Outgoing	N/K	20-Dec, 09:55-10:00
	3-5km NNW	Heard	8	Explosion	Outgoing	N/K	20-Dec, 10:08-10:11
	3-5km NNW	Heard	5	Explosion	Outgoing	N/K	20-Dec, 10:25
	3-5km NNW	Heard	2	Burst		HMG	20-Dec, 10:25
About 2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	3km NE	Heard	3	Burst		HMG	20-Dec, 09:40-09:50
	N/K NE	Heard	3	Explosion	Undetermined	N/K	20-Dec, 09:40-09:50
	2-3km SE	Heard	5	Burst		Small arms	20-Dec, 09:58
	2-3km SSE	Heard	5	Burst		HMG	20-Dec, 10:37
W part of Pyshchevyk (government-controlled, 84km S of Donetsk)	1km NNW	Heard	4	Shot		Small arms	20-Dec, 09:48
About 2.5km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	4-6km NE	Heard	1	Explosion	Undetermined	N/K	20-Dec, 10:48

About 3.5km SW of Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Heard	6	Burst		Small arms	20-Dec, 11:57-12:10
	N/K N	Heard	3	Explosion	Undetermined	N/K	20-Dec, 11:57-12:10
	10km NNW	Heard	10	Explosion	Undetermined	N/K	20-Dec, 12:17-12:20
	10km NNW	Heard	4	Explosion	Undetermined	N/K	20-Dec, 12:25
	10km NNW	Heard	12	Explosion	Undetermined	N/K	20-Dec, 12:41-12:45
E part of Chermalyk (government-controlled, 77km S of Donetsk)	N/K N	Heard	2	Explosion	Undetermined	N/K	20-Dec, 12:10-12:14
	N/K N	Heard	4	Explosion	Undetermined	N/K	20-Dec, 12:20-12:24
	2-3km SE	Heard	5	Burst		Small arms	20-Dec, 12:56
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km WSW	Heard	5	Burst		HMG	19-Dec, 19:01
	2-3km WSW	Heard	33	Burst		HMG	19-Dec, 19:25-19:27
	2-3km WSW	Heard	5	Burst		HMG	19-Dec, 19:34
	4-5km WSW	Heard	4	Explosion	Undetermined	N/K	19-Dec, 20:00-20:01
	2-3km WSW	Heard	5	Burst		HMG	19-Dec, 20:01
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	19-Dec, 23:31
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	19-Dec, 23:33
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	19-Dec, 23:40
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	19-Dec, 23:47
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	20-Dec, 14:52
	2-3km SW	Heard	10	Burst		HMG	20-Dec, 15:53-15:56
	2-4km SW	Heard	7	Burst		HMG	20-Dec, 16:41-16:45
	2-3km SW	Heard	8	Burst		HMG	20-Dec, 17:35-17:40
	2-3km SW	Heard	18	Burst		HMG	20-Dec, 18:15-18:19
	Horlivka (non-government-controlled, 39km NE of Donetsk)	6-8km NW	Heard	1	Explosion	Undetermined	N/K
6-8km NW		Heard	2	Explosion	Undetermined	N/K	19-Dec, 19:58-20:00
6-8km NW		Heard	2	Explosion	Undetermined	N/K	19-Dec, 22:19
3-5km NW		Heard	6	Burst		HMG	19-Dec, 22:42-22:45
6-8km NW		Heard	3	Explosion	Undetermined	N/K	19-Dec, 23:08-23:10
1.5-2km SW		Heard	20	Burst		HMG	20-Dec, 07:50
6-8km NW		Heard	3	Explosion		N/K	20-Dec, 12:21-12:25
About 7.5km NE of Horlivka (non-government controlled, 39km NE of Donetsk)	1-2km N	Heard	13	Burst		Small arms	20-Dec, 09:28
	1-2km N	Heard	2	Shot		Small arms	20-Dec, 09:44
About 8km NNW from Horlivka (non-government-	2-3km SE	Heard	20	Shot		Small arms	20-Dec, 11:08-11:09

controlled, 39 km NE of Donetsk)							
Krasnohorivka (government-controlled, 24km N of Donetsk)	2-3km ESE	Heard	1	Burst		HMG	20-Dec, 12:03
	2-3km ESE	Heard	1	Explosion	Undetermined	N/K	20-Dec, 12:04
	2-3km ESE	Heard	13	Burst		Small arms	20-Dec, 12:05-12:07
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km SE	Heard	10	Burst		HMG	20-Dec, 13:40
W edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	5-6km WSW	Heard	3	Explosion	Undetermined	N/K	20-Dec, 09:00-09:10
	3-4km NW	Heard	8	Burst		HMG	20-Dec, 08:56-09:05
	5-6km WSW	Heard	12	Burst		HMG	20-Dec, 09:16-09:20
	5-6km SW	Heard	20	Shot		AGL	20-Dec, 09:20-09:30
	5-6km SW	Heard	42	Burst		HMG	20-Dec, 09:37-09:45
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	20-Dec, 09:37-09:45
	5-6km SW	Heard	10	Shot		AGL	20-Dec, 09:37-09:45
Kalynove (non-government-controlled, 60km W of Luhansk)	2-4km W	Heard	70	Explosion	Undetermined	N/K	20-Dec, 09:15-09:30
	2-4km W	Heard	30	Shot		Small arms	20-Dec, 09:15-09:30
	2-4km W	Heard	4	Burst		N/K	20-Dec, 09:15-09:30
	2-4km W	Heard	40	Explosion	Undetermined	N/K	20-Dec, 09:35-09:45
	2-4km W	Heard	10	Burst		HMG	20-Dec, 09:35-09:45
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	4-5km N	Heard	12	Burst		HMG	20-Dec, 10:29-10:45
SE edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	2-3km SW	Heard	11	Shot		Small arms	20-Dec, 11:00
E edge of Dachne (non-government-controlled, 47km W of Luhansk)	3-4km NW	Heard	10	Shot		HMG	20-Dec, 11:26-11:35
S edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	4-5km NNE	Heard	15	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	20-Dec, 14:05-14:20
	4-5km NNE	Heard	5	Explosion	Outgoing with subsequent impacts (assessed as outside the disengagement area)	Mortar (120mm)	20-Dec, 14:21-14:37
	3km NNE	Heard	25	Burst	Assessed as outside the	Small arms	20-Dec, 14:21-14:37

					disengagement area		
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