

**Table of ceasefire violations as of 29 October 2019<sup>10</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:06
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:09
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:10
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:13
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:17
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:21
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:23
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:33
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	29-Oct, 01:35
	3-5km SSE	Recorded	1	Projectile	SE to NW	N/K	29-Oct, 17:49
3-5km SSE	Recorded	1	Explosion	Impact	N/K	29-Oct, 17:49	
SMM camera at Donetsk Filtration Station (DFS) (15km N of Donetsk)	0.7-2km SSW	Recorded	1	Projectile	W to E	N/K	28-Oct, 21:03
	0.7-2km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 21:08
	0.7-2km SSW	Recorded	1	Projectile	E to W	N/K	28-Oct, 22:06
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:15
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:16
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Oct, 23:17
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Oct, 23:18
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	28-Oct, 23:18
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:19
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Oct, 23:21
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Oct, 23:22
2-4km NNE	Recorded	3	Projectile	W to E	N/K	28-Oct, 23:23	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NNE	Recorded	2	Explosion	Undetermined, also recorded by the SMM camera at the DFS	N/K	29-Oct, 17:04
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	2-4km SSE	Recorded	7	Projectile	E to W	N/K	28-Oct, 18:45
	2-4km SSE	Recorded	16	Projectile	E to W	N/K	28-Oct, 19:16
	2-4km S	Recorded	3	Projectile	W to E	N/K	28-Oct, 19:18
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 19:18
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	28-Oct, 19:24
	2-4km SSE	Recorded	8	Projectile	E to W	N/K	28-Oct, 19:25
	2-4km S	Recorded	2	Projectile	WNW to ESE	N/K	28-Oct, 19:26
	2-4km S	Recorded	2	Projectile	E to W	N/K	28-Oct, 20:02
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:03
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:04
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:06
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	28-Oct, 20:08
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:09
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 20:09

<sup>10</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.

	2-4km S	Recorded	4	Projectile	W to E	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:10
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:11
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:11
	2-4km S	Recorded	2	Projectile	W to E	N/K	28-Oct, 20:12
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:13
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 20:17
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:21
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	28-Oct, 20:23
	1-3km S	Recorded	2	Projectile	W to E	N/K	28-Oct, 20:30
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Oct, 20:33
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:36
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Oct, 20:36
	2-4km SSE	Recorded	9	Projectile	W to E	N/K	28-Oct, 20:37
	2-4km SSE	Recorded	35	Projectile	W to E	N/K	28-Oct, 20:39
	2-4km SSE	Recorded	6	Projectile	W to E	N/K	28-Oct, 20:40
	2-4km S	Recorded	6	Projectile	W to E	N/K	28-Oct, 20:43
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Oct, 21:02
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 22:55
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 23:01
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Oct, 23:49
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Oct, 23:55
	2-4km S	Recorded	2	Projectile	W to E	N/K	29-Oct, 01:06
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Oct, 01:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 01:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 17:16
About 1km NE of the central railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	3-5km W	Heard	7	Burst		HMG	29-Oct, 11:54
6km WNW of Donetsk city centre (non-government-controlled)	2-3km SW	Heard	6	Burst		Small arms	29-Oct, 13:55
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	1-2km SW	Heard	9	Burst		HMG	29-Oct, 10:55-11:00
	1-2km SW	Heard	18	Shot		Small arms	29-Oct, 10:55-11:00
	1-2km SW	Heard	2	Explosion	Undetermined	N/K	29-Oct, 10:55-11:00
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-1.5km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 09:15
	1-2km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 12:10
	2-3km N	Heard	4	Shot		Small arms	29-Oct, 12:35
	2-3km N	Heard	1	Burst		HMG	29-Oct, 12:35
	2-3km N	Heard	16	Burst		HMG	29-Oct, 12:37-12:38
	2-3km N	Heard	8	Shot		HMG	29-Oct, 12:42
	2-3km N	Heard	1	Burst		HMG	29-Oct, 12:55
	1-2km N	Heard	4	Shot		Small arms	29-Oct, 13:40
2-3km WSW	Heard	2	Shot		Small arms	29-Oct, 13:43	

	1-2km N	Heard	2	Shot		Small arms	29-Oct, 13:43
	2-3km W	Heard	3	Burst		HMG	29-Oct, 13:53
	2-3km W	Heard	6	Burst		HMG	29-Oct, 13:55
	2-3km N	Heard	2	Explosion	Undetermined	N/K	29-Oct, 14:00
	2-3km N	Heard	3	Burst		HMG	29-Oct, 14:00
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSE	Heard	3	Burst	Assessed as outside the disengagement area	Small arms	29-Oct, 09:57
	1-2km SSE	Heard	15	Shots and bursts	Assessed as outside the disengagement area	Small arms	29-Oct, 11:09-11:10
	2-3km S	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 11:11
	2-3km S	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 11:18
	1-2km SW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 11:18
	2-4km S	Heard		Shot	Uncountable (assessed outside the disengagement area)	Small arms	29-Oct, 11:13-11:27
	2-4km SE	Heard		Burst	Uncountable (assessed outside the disengagement area)	HMG	29-Oct, 11:13-11:27
	2-4km SW	Heard		Shots and bursts	Uncountable (assessed as inside the disengagement area)	Small arms	29-Oct, 11:13-11:27
	2-3km SSE	Heard	3	Explosion	Assessed as outside the disengagement area	N/K	29-Oct, 11:13-11:27
	2-3km SSE	Heard	1	Explosion	Assessed as outside the disengagement area	N/K	29-Oct, 12:19-12:21
	2-3km SSE	Heard	3	Burst	Assessed as outside the disengagement area	HMG	29-Oct, 12:19-12:21
	2-3km SSE	Heard	7	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 12:19-12:21
	2-3km SSE	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 13:19
	2-3km SSE	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	29-Oct, 13:31
	2-3km SSE	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	29-Oct, 14:09
	3-4km WSW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Oct, 14:37
About 2km NE of Bohdaniivka (government-controlled, 41km SW of Donetsk)	5km ESE	Heard	2	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	29-Oct, 11:18
	3-5km NNE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	29-Oct, 14:37
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	5	Burst		HMG	28-Oct, 21:45
	3-5km SE	Heard	11	Shot		Small arms	28-Oct, 21:45
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	28-Oct, 22:30
	3-5km S		2	Explosion	Undetermined	N/K	29-Oct, 16:22
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	10-12km W	Heard	30	Explosion	Undetermined	N/K	29-Oct, 14:40-15:52
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	32	Burst		HMG	28-Oct, 20:16-20:18
	4-5km W	Heard	5	Explosion	Undetermined	N/K	28-Oct, 20:16-20:18

Donetsk)	4-5km W	Heard	30	Burst		HMG	28-Oct, 20:22-20:23
	4-5km W	Heard	4	Explosion	Undetermined	N/K	28-Oct, 20:22-20:23
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km N	Heard	27	Explosion	Undetermined	N/K	29-Oct, 11:00-11:10
	5-6km N	Heard	3	Explosion	Undetermined	N/K	29-Oct, 11:15
	3-5km NE	Heard	92	Shot	(30mm) cannon	Other	29-Oct, 11:20
	3-5km NE	Heard	28	Shot		Small arms	29-Oct, 11:41
	3-5km N	Heard	1	Explosion	Undetermined	N/K	29-Oct, 11:49
	2-3km N	Heard	20	Burst		HMG	29-Oct, 12:30-12:35
	2-3km N	Heard	35	Burst		HMG	29-Oct, 12:36-12:44
About 1km NW of Arkhanhelske (government-controlled, 32km N of Donetsk)	500-700m SE	Heard	5	Burst		Small arms	29-Oct, 11:03
SW edge of Novoluhanske (government-controlled, 53km NE of Donetsk)	1-3km S	Heard	2	Burst		Small arms	29-Oct, 12:25
1.5km NW of Molodizhne (non-government-controlled, 63km W of Luhansk)	8-10km SW	Heard	4	Explosion	Undetermined	N/K	29-Oct, 14:40-14:48