

Table of ceasefire violations as of 21 October 2019¹⁰

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	20-Oct, 23:30
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-5km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 19:22
	1-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Oct, 20:09
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	20-Oct, 20:10
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:14
	1-3km E	Recorded	4	Projectile	N to S	N/K	20-Oct, 20:17
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 20:25
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:30
	1-3km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 20:31
	1-3km E	Recorded	3	Projectile	NNW to SSE	N/K	20-Oct, 20:32
	1-3km ENE	Recorded	3	Projectile	NW to SE	N/K	20-Oct, 20:36
	1-3km E	Recorded	2	Projectile	NW to SE	N/K	20-Oct, 20:37
	1-3km ENE	Recorded	3	Projectile	NW to SE	N/K	20-Oct, 20:38
	1-3km ENE	Recorded	2	Projectile	NNW to SSE	N/K	20-Oct, 20:39
	1-3km E	Recorded	6	Projectile	NNW to SSE	N/K	20-Oct, 20:45
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	20-Oct, 20:46
	1-3km E	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:06
	1-3km ENE	Recorded	4	Projectile	NW to SE	N/K	20-Oct, 21:26
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:32
	1-3km E	Recorded	2	Projectile	NNW to SSE	N/K	20-Oct, 21:37
	1-3km E	Recorded	8	Projectile	N to S	N/K	20-Oct, 21:38
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	20-Oct, 21:39
	1-3km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:39
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:42
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 21:44
	1-3km E	Recorded	9	Projectile	N to S	N/K	20-Oct, 21:45
	1-3km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 21:46
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	20-Oct, 21:46
	1-3km ENE	Recorded	10	Projectile	N to S	N/K	20-Oct, 21:47
	1-3km ENE	Recorded	3	Projectile	In vertical flight	N/K	20-Oct, 21:47
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	20-Oct, 21:53
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 21:54
	1-3km E	Recorded	5	Projectile	N to S	N/K	20-Oct, 22:20
1-3km ENE	Recorded	1	Projectile	N to S	N/K	20-Oct, 22:21	
3-5km E	Recorded	2	Projectile	N to S	N/K	20-Oct, 23:04	
3-5km E	Recorded	1	Projectile	N to S	N/K	20-Oct, 23:05	
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	21-Oct, 02:45	
SMM camera at entry-exit checkpoint in	2-4km NNE	Recorded	5	Projectile	W to E	N/K	20-Oct, 21:18
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	20-Oct, 21:19
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:19

¹⁰ 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.

Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:20
	2-4km NNE	Recorded	25	Projectile	W to E	N/K	20-Oct, 21:21
	2-4km NNE	Recorded	21	Projectile	W to E	N/K	20-Oct, 21:22
	2-4km NNE	Recorded	19	Projectile	W to E	N/K	20-Oct, 21:23
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Oct, 21:23
	2-4km NNE	Recorded	36	Projectile	W to E	N/K	20-Oct, 21:24
	2-4km N	Recorded	12	Projectile	W to E	N/K	20-Oct, 21:25
	2-4km NNE	Recorded	1	Muzzle flash		N/K	20-Oct, 21:25
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	20-Oct, 21:25
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	20-Oct, 21:26
	2-4km NNE	Recorded	77	Projectile	W to E	N/K	20-Oct, 21:26
	2-4km NNE	Recorded	34	Projectile	W to E	N/K	20-Oct, 21:27
	2-4km N	Recorded	2	Projectile	In vertical flight	N/K	20-Oct, 21:27
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:27
	2-4km NNE	Recorded	16	Projectile	W to E	N/K	20-Oct, 21:28
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	20-Oct, 21:28
	2-4km NNE	Recorded	32	Projectile	W to E	N/K	20-Oct, 21:49
	2-4km NNE	Recorded	44	Projectile	W to E	N/K	20-Oct, 21:50
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-6km N	Recorded	2	Projectile	SE to NW	N/K	21-Oct, 18:16
	5-6km N	Recorded	4	Projectile	W to E	N/K	21-Oct, 18:17
	5-6km N	Recorded	3	Projectile	W to E	N/K	21-Oct, 18:19
	5-6km NNE	Recorded	4	Projectile	WNW to ESE	N/K	21-Oct, 18:24
	5-6km NNE	Recorded	3	Projectile	WNW to ESE	N/K	21-Oct, 18:25
	5-6km N	Recorded	7	Projectile	WNW to ESE	N/K	21-Oct, 18:26
	5-6km N	Recorded	1	Projectile	W to E	N/K	21-Oct, 18:20
	5-6km N	Recorded	2	Projectile	NW to SE	N/K	21-Oct, 18:21
	5-6km NNE	Recorded	5	Projectile	WNW to ESE	N/K	21-Oct, 18:27
5-6km NE	Recorded	1	Projectile	ESE to WNW	N/K	21-Oct, 18:27	
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WSW	Heard	2	Explosion	Undetermined	N/K	21-Oct, 11:25
	2-3km SSE	Heard	1	Shot		Small arms	21-Oct, 11:38
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 12:14
	2-4km WSW	Heard	6	Explosion	Undetermined	N/K	21-Oct, 12:46-12:47
	2-5km WSW	Heard	3	Explosion	Undetermined	N/K	21-Oct, 12:56
	2-5km WSW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 13:01
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 14:51
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 14:53
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-3km SSW	Heard	7	Explosion	Undetermined	N/K	21-Oct, 08:53-09:00
	1-2km SSW	Heard	7	Shot		Small arms	21-Oct, 09:02
	1-2km S	Heard	9	Shot		Small arms	21-Oct, 10:08-10:10
	1-2km ESE	Heard	1	Shot		Small arms	21-Oct, 12:35
	1-2km SE	Heard	4	Burst		Small arms	21-Oct, 13:58
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	21-Oct, 14:52-14:53
About 700m SE of Ridkodub (non-government-controlled, 61km NE of Donetsk)	12-17km NW	Heard	2	Explosion	Undetermined	N/K	21-Oct, 11:39
About 3.5km SE of Yakovlivka (non-government-	5-7km W	Heard	5	Explosion	Undetermined	N/K	21-Oct, 11:08
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	21-Oct, 11:21

controlled, 10km N of Donetsk)	5-7km W	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:28
Donetsk city's Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city centre)	1km SW	Heard	7	Burst		Small arms	21-Oct, 12:05
	1km SW	Heard	4	Burst		Small arms	21-Oct, 12:10-12:15
Naberezhne (non-government-controlled, 77km S of Donetsk)	N/K SW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 12:30
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	2-3km NE	Heard	4	Shot		Small arms	21-Oct, 10:21-10:30
	3-4km SSE	Heard	11	Burst		HMG	21-Oct, 10:21-10:30
	5km SSE	Heard	2	Explosion	Undetermined	N/K	21-Oct, 10:21-10:30
	N/K SSE	Heard	2	Explosion	Undetermined	N/K	21-Oct, 10:42
	N/K SSE	Heard	8	Explosion	Undetermined	N/K	21-Oct, 10:50
	N/K ESE	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:21
	3-5km SSE	Heard	10	Burst		Small arms	21-Oct, 13:08-13:18
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SE	Heard	3	Explosion	Undetermined	N/K	21-Oct, 11:10
	3-4km S	Heard	6	Explosion	Undetermined	N/K	21-Oct, 12:46
	3-4km S	Heard	3	Explosion	Undetermined	N/K	21-Oct, 12:56
	3-4km S	Heard	1	Explosion	Undetermined	N/K	21-Oct, 13:03
	2-3km SE	Heard	15	Shot	Undetermined	Small arms	21-Oct, 13:06
	3-4km E	Heard	5	Explosion	Undetermined	N/K	21-Oct, 13:55
	2-3km E	Heard	17	Shot	Undetermined	Small arms	21-Oct, 14:26
	2-3km S	Heard	4	Explosion	Undetermined	N/K	21-Oct, 14:52
N edge of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	21-Oct, 11:28
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km SW	Heard	58	Burst	Undetermined	HMG	21-Oct, 17:21-17:32
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km S	Recorded	5	Explosion	Airburst (unable to assess whether inside or outside the disengagement area)	N/K	21-Oct, 00:48
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	2	Explosion	Impact	N/K	21-Oct, 00:45
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 00:46
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 01:02
	3-5km E	Recorded	3	Projectile	NNW to SSE	N/K	21-Oct, 01:03
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 01:04
	3-5km E	Recorded	1	Projectile	NNW to SSE	N/K	21-Oct, 01:04
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:53
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:54
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:55

	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 01:56
	4-6km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Oct, 01:56
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:57
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 01:58
	3-5km ESE	Recorded	4	Projectile	WSW to ENE	N/K	21-Oct, 01:59
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 01:59
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 02:00
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:00
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:01
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:02
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:03
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:04
	3-5km ESE	Recorded	4	Projectile	WSW to ENE	N/K	21-Oct, 02:05
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:31
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:33
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:37
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:39
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:39
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:41
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:43
	3-5km ESE	Recorded	3	Projectile	WSW to ENE	N/K	21-Oct, 02:44
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:44
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:45
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:45
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:46
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:46
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:47
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:48
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	21-Oct, 02:48
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 02:49
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 02:49
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:51
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:52
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:53
	3-5km ESE	Recorded	1	Projectile	WSW to ENE	N/K	21-Oct, 02:54
	4-6km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Oct, 03:03
	3-5km ESE	Recorded	3	Projectile	WSW to ENE	N/K	21-Oct, 03:12
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 03:12
	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K	21-Oct, 03:12
	3-5km ESE	Recorded	2	Projectile	WSW to ENE	N/K	21-Oct, 03:13
	4-6km ESE	Recorded	2	Explosion	Impact	N/K	21-Oct, 03:13
	2-5km ESE	Recorded	1	Projectile	WNW to ESE	N/K	21-Oct, 03:13
	2-5km ESE	Recorded	1	Projectile	WNW to ESE	N/K	21-Oct, 03:14
	4-6km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Oct, 03:19
	2-5km ESE	Recorded	4	Explosion	Airburst	N/K	21-Oct, 03:20
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Oct, 03:24
	3-5km ESE	Recorded	4	Explosion	Undetermined	N/K	21-Oct, 03:26
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km ESE	Heard	68	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 00:33-01:17
	4-6km ESE	Heard	200	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 00:33-01:17
	3-5km ESE	Heard	24	Shot and burst	Assessed as outside the disengagement area	Small arms	21-Oct, 00:33-01:17
	3-5km ESE	Heard	20	Shot	Assessed as outside the	AGL	21-Oct, 00:33-01:17

					disengagement area		
	5-7km SE	Heard	33	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 01:51-02:11
	3-5km SE	Heard	55	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 01:51-02:11
	5-7km SE	Heard	74	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Oct, 02:40-03:20
	3-5km SE	Heard	190	Burst	Assessed as outside the disengagement area	HMG	21-Oct, 02:40-03:20
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	3-5km SSE	Heard	13	Burst		HMG	21-Oct, 09:25-09:31
2.5km S of Muratove (government-controlled, 51km NW of Luhansk)	3-5km SW	Heard	7	Shot		Small arms	21-Oct, 09:35
E edge of Popasna (government-controlled, 69km W of Luhansk)	5-10km SE	Heard	22	Explosion	Undetermined	N/K	21-Oct, 09:37-09:47
	5-10km S	Heard	2	Explosion	Undetermined	N/K	21-Oct, 09:37-09:47
Slovianoserbsk (non-government-controlled, 28km NW of Luhansk)	600-700m W	Heard	1	Shot		Small arms	21-Oct, 12:18