Table of ceasefire violations as of 5 November 2018¹

SMM	Event						
position	location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera	1-2km SE	Recorded	1	Projectile	WSW to ENE	N/K	4-Nov, 21:52
in Chermalyk (government-							
controlled,							
31km NE of							
Mariupol)							
	1-2km SE	Recorded	1	Projectile	ENE to WSW	N/K	5-Nov, 02:49
	1-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	4-Nov, 23:27
	0.5-1.5km						
	SSW	Recorded	4	Projectile	N to S	N/K	5-Nov, 01:31
SMM camera	1-3km SSW	Recorded	3	Projectile	NNE to SSW	N/K	5-Nov, 01:33
at Donetsk	0.5-1.5km SSW	Recorded	2	Projectile	N to S	N/K	5-Nov, 01:34
Filtration	1-3km SSW	Recorded	3	<u> </u>	NNE to SSW	N/K	
Station (15km	1-3km S	Recorded	2	Projectile Explosion	Undetermined	-	5-Nov, 01:34
N of Donetsk)	1-3km SSW	Recorded	1	Explosion	Airburst	N/K N/K	5-Nov, 01:34 5-Nov, 05:21
	2-4km SSW	Recorded	2	Projectile	N to S	N/K	5-Nov, 05:21
		Recorded	1	Muzzle flash	Undetermined		,
	1-3km SSW 2-3km SSW	Recorded	1	Explosion	Undetermined	N/K N/K	5-Nov, 05:21 5-Nov, 17:22
	1-2km S	Recorded	1	Projectile	W to E	N/K	5-Nov, 17:25
	2-4km E	Recorded	25	Projectile	S to N	N/K N/K	4-Nov, 17:23
	2-4km E	Recorded	11	Projectile	S to N	N/K	4-Nov, 19:02 4-Nov, 19:11
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	4-Nov, 19:11 4-Nov, 19:23
	2-4km E	Recorded	2	Projectile	N to S	N/K	4-Nov, 19:23 4-Nov, 19:32
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	4-Nov, 19.32
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	4-Nov, 20:56
	3-5km ENE	Recorded	5	Projectile	S to N	N/K	4-Nov, 20:57
	3-5km E	Recorded	2	Projectile	S to N	N/K	4-Nov, 20:58
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 20:38
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	4-Nov, 21:22
	3-5km E	Recorded	1	Projectile	S to N	N/K	4-Nov, 22:59
SMM camera	2-5km ESE	Recorded	1	Projectile	N to S	N/K	5-Nov, 00:35
1.5km NE of	2-5km ESE	Recorded	1	Projectile	S to N	N/K	5-Nov, 00:50
Hnutove (government-	2-5km E	Recorded	9	Projectile	S to N	N/K	5-Nov, 01:02
controlled,	2-5km E	Recorded	1	Projectile	S to N	N/K	5-Nov, 01:24
20km NE of	2-5km ENE	Recorded	1	Explosion	Undetermined	N/K	5-Nov, 01:24
Mariupol)	2-5km E	Recorded	2	Projectile	S to N	N/K	5-Nov, 01:34
	2-5km ESE	Recorded	2	Projectile	S to N	N/K	5-Nov, 01:34
	2-5km ENE	Recorded	1	Projectile	N to S	N/K	5-Nov, 01:36
	2-5km ENE	Recorded	5	Projectile	N to S	N/K	5-Nov, 01:40
	2-5km ENE	Recorded	1	Projectile	N to S	N/K	5-Nov, 01:41
	2-5km ENE	Recorded	1	Projectile	N to S	N/K	5-Nov, 01:52
	2-5km ENE	Recorded	1	Projectile	N to S	N/K	5-Nov, 02:21
	2-5km ENE	Recorded	1	Projectile	N to S	N/K	5-Nov, 02:28
	2-5km E	Recorded	6	Projectile	S to N	N/K	5-Nov, 02:32
	2-5km ENE	Recorded	2	Projectile	N to S	N/K	5-Nov, 02:33
	2-5km E	Recorded	3	Projectile	S to N	N/K	5-Nov, 02:36
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	5-Nov, 17:08
	2 mm Line	recorded	1 1	110,000	2 10 11	11/11	5 1.01, 17.00

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.

	2-4km ENE	Recorded	5	Projectile	N to S	N/K	5-Nov, 17:51
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	5-Nov, 17:51
SMM camera	2-4km ENE	Recorded	5	Projectile	N to S	N/K	4-Nov, 19:32
E of	2-4km ENE	Recorded	3	Muzzle flash		N/K	4-Nov, 19:32
Lomakyne							
(government- controlled,							
15km NE of							
Mariupol)							
• ,	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	5-Nov, 01:58
	2-3km E	Recorded	2	Explosion	Undetermined	N/K	4-Nov, 19:45
SMM camera	1-3km ENE	Recorded	1	Burst	S to N	N/K	4-Nov, 19:49
at entry-exit	1-3km E	Recorded	9	Projectile	S to N	N/K	4-Nov, 19:50
checkpoint in Maiorsk	1-3km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 19:50
(government-	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 22:51
controlled,	3-5km E	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 22:53
45km NE of	3-5km E	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 22:53
Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	4-Nov, 22:54
	3-5km E	Recorded	1	Projectile	S to N	N/K	4-Nov, 22:54
G1 D 4	3-5km E	Recorded	1	Projectile	In vertical flight	N/K	4-Nov, 22:54
SMM camera	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	5-Nov, 02:43
at entry-exit checkpoint in	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	5-Nov, 04:22
Marinka							
(government-							
controlled,							
23km SW of							
Donetsk)	2-4km NNE	Recorded	1	Decidatila	WNW to ESE	N/K	5 Nov. 04.22
SMM camera	2-4km NNE	Recorded	2	Projectile Projectile	NW to SE	N/K	5-Nov, 04:23 4-Nov, 18:48
at Oktiabr	2-4KIII NINE	Recorded		Illumination	NW to SE	IV/K	4-NOV, 10.46
mine (non-	4-6km NE	Recorded	1	flare	In vertical flight	N/K	5-Nov, 05:21
government-							,
controlled,							
9km NW of Donetsk city							
centre)							
centre)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Nov, 17:22
SMM camera	1-3km SE	Recorded	3	Projectile	WSW to ENE	N/K	4-Nov, 18:45
at entry-exit	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	4-Nov, 19:33
checkpoint in	1-3km SE	Recorded	1	Projectile	E to W	N/K	4-Nov, 19:43
Pyshchevyk (government-				Illumination			
controlled,	2-4km SSE	Recorded	2	flare	In vertical flight	N/K	4-Nov, 20:28
25km NE of							
Mariupol)							
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	5-Nov, 01:54
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	5-Nov, 09:05
	1 5 Olana C	111	7	Cl4		Small	5-Nov,
	1.5-2km S 3-4km SW	Heard	7	Shot	Undatarminad	arms N/V	09:05-09:10
1 11mm NIXV C	3-4KIII S W	Heard	1	Explosion	Undetermined	N/K Small	5-Nov, 09:26
1.1km NW of railway station	1.5-2km N	Heard	4	Shot		arms	5-Nov, 09:27
in Yasynuvata	1.0 2		•			Small	2 1.07, 02.27
(non-	1.5-2km N	Heard	2	Burst		arms	5-Nov, 09:27
government-						Small	
controlled,	1.5-2km S	Heard	3	Shot		arms	5-Nov, 10:41
16km NE of	2-3km SW	Heard	1	Explosion	Undetermined	N/K	5-Nov, 11:03
Donetsk)	1.5.01rm S	Поста	12	Durat		шмс	5-Nov,
	1.5-2km S	Heard	13	Burst Explosion	Undetermined	HMG N/K	11:46-11:48
	2-3km WSW	Heard	1	Explosion		N/K	5-Nov, 11:50
	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	5-Nov, 11:55 5-Nov,
	4-5km S	Heard	7	Explosion	Undetermined	N/K	12:58-13:05
				r			1

	2-3km SW	Heard	2	Explosion	Undetermined	N/K	5-Nov, 14:20-14:22
SE part of			Unc	1			
Avdiivka	2.21 CF	TT 1	ount	C1 4 11 4		Small	5-Nov,
(government-	2-3km SE	Heard	able	Shot and burst		arms	12:22-12:25 5-Nov,
controlled, 17km N of	2-3km SE	Heard	13	Burst		HMG	12:28-12:30
Donetsk)			Unc				
,	2 21 SE	111	ount	Ch - 4 1 h 4		Small	5-Nov,
SW edge of	2-3km SE	Heard	able	Shot and burst		arms	12:33-12:35
Avdiivka							
(government-							
controlled,							
17km N of Donetsk)	3-4km SE	Heard	5	Explosion	Undetermined	N/K	5-Nov, 14:18-14:24
2.5km SE of	3-4KIII SE	Ticard	3	Explosion	Ondetermined	TV/IX	14.10-14.24
Lebedynske							
(government-							
controlled,						C11	5 N
16km NE of Mariupol)	2-3km SE	Heard	10	Shot		Small arms	5-Nov, 11:24-11:28
Starohnativka	2 Skii SE	Titura	10	Bliot		ums	11.21 11.20
(government-							
controlled,							
51km S of Donetsk)	2-3km E	Heard	2	Burst		HMG	5-Nov, 12:05
1km NNW of	2-3KIII E	Ticard	2	Durst		TIIVIO	3-140V, 12.03
Pyshchevyk							
(government-							
controlled,							
25km NE of Mariupol)	1km NE	Heard	1	Explosion	Outgoing	N/K	5-Nov, 13:54
marapor)	4-6km SE	Heard	2	Explosion	Undetermined	N/K	4-Nov, 19:28
				r			4-Nov,
	4-6km SSW	Heard	8	Explosion	Undetermined	N/K	19:45-19:46
	4 51 SE	IIl	16	Burst		Small	4-Nov,
	4-5km SE	Heard	16	Burst		arms Small	19:46-19:48
	4-5km SSE	Heard	14	Shot		arms	4-Nov, 19:48
						Small	
	4-5km SSE	Heard	6	Burst		arms	4-Nov, 19:50
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	4-Nov, 19:50
	3-4km SE	Heard	15	Burst		Small arms	4-Nov, 19:51
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	4-Nov, 19:53
Svitlodarsk	C CAIII S II	110410	<u> </u>		2 Hatterininea	Small	. 1.01, 17.55
(government-	4-5km SSW	Heard	10	Shot		arms	4-Nov, 19:54
controlled, 57km NE of	4-5km SE	Heard	2	Explosion	Undetermined	N/K	4-Nov, 20:03
Donetsk)	6-7km SW	Heard	3	Explosion	Undetermined	N/K	4-Nov, 20:04
	4-6km S	Heard	1	Explosion	Undetermined	N/K	4-Nov, 20:05
	4-6km S	Heard	1	Explosion	Undetermined	N/K	4-Nov, 20:19
	4-5km SE	Heard	1 2	Explosion	Undetermined	N/K	4-Nov, 20:28
	4-5km SE	Heard	1 2	Explosion	Undetermined	N/K Small	4-Nov, 20:59
	4-5km SW	Heard	26	Burst		arms	4-Nov, 21:01
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	4-Nov, 21:01
							4-Nov,
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	21:02-21:06
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	4-Nov, 21:18
	5-7km E	Heard	6	Explosion	Undetermined	N/K	4-Nov, 21:25-21:27
				<u></u>		Small	
	5-7km E	Heard	3	Burst		arms	4-Nov, 21:28

1		1				4-Nov,
5-7km E	Heard	12	Explosion	Undetermined	N/K	21:28-21:32
5-7km S	Heard	5	Burst		HMG	4-Nov, 21:34
5-7km S	Heard	5	Explosion	Undetermined	N/K	4-Nov, 21:35-21:36
3-4km SE	Heard	2	Explosion	Undetermined	N/K	4-Nov, 21:36
4-5km SE	Heard	2	Explosion	Undetermined	N/K	4-Nov, 21:47
		_			Small	
4-5km SE	Heard	7	Shot		arms	4-Nov, 21:47
4.51 GE	1		ъ.		Small	4 N 21 40
4-5km SE	Heard	6	Burst		arms Small	4-Nov, 21:48
3-4km SE	Heard	4	Shot		arms	4-Nov, 21:52
						4-Nov,
4-5km SE	Heard	3	Explosion	Undetermined	N/K	21:55-21:59
3-4km SE	Heard	13	Burst		Small	4-Nov, 22:00
5-4KIII SE	пеаги	13	Durst		arms	4-Nov, 22:00 4-Nov.
5-6km SE	Heard	5	Explosion	Undetermined	N/K	22:00-22:02
					Small	
3-4km SE	Heard	11	Burst		arms	4-Nov, 22:02
5-6km SE	Heard	8	Explosion	Undetermined	N/K	4-Nov, 22:03-22:05
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110010		2.iprooron		Small	22.00 22.00
3-4km SE	Heard	4	Burst		arms	4-Nov, 22:05
5-6km SE	Heard	1	Explosion	Undetermined	N/K	4-Nov, 22:06
3-4km SE	Heard	3	Burst		Small	4-Nov, 22:07
5-4km SE	Heard	1	Explosion	Undetermined	arms N/K	4-Nov, 22:07
3-0km SE	Ticard	1	Explosion	Ondetermined	Small	4-110V, 22.07
3-4km SE	Heard	14	Burst		arms	4-Nov, 22:08
. a . ap			.	***	27/77	4-Nov,
5-6km SE	Heard	8	Explosion	Undetermined	N/K Small	22:09-22:11 4-Nov,
3-4km SE	Heard	10	Burst		arms	22:11-22:12
						4-Nov,
5-6km SE	Heard	6	Explosion	Undetermined	N/K	22:13-22:15
3-4km SE	Heard	12	Burst		Small arms	4-Nov, 22:15
3-4KIII SL	Ticard	12	Durst		arms	4-Nov,
5-6km SE	Heard	3	Explosion	Undetermined	N/K	22:16-22:17
			_		Small	
3-4km SE 5-6km SE	Heard Heard	13	Burst Explosion	Undetermined	arms N/K	4-Nov, 22:18
3-0KIII SE	пеаги	6	Explosion	Undetermined	Small	4-Nov, 22:20 4-Nov,
3-4km SE	Heard	36	Burst		arms	22:20-22:29
						4-Nov,
5-6km SE	Heard	3	Explosion	Undetermined	N/K	23:00-23:01
3-4km SE	Heard	12	Burst		Small arms	4-Nov, 23:00
3 4KH SE	Ticuru	12	Duist		Small	4 1101, 23.00
3-4km SE	Heard	5	Burst		arms	4-Nov, 23:05
5 CL GE	1	2	F 1 .	77 1	NI/IZ	4-Nov,
5-6km SE	Heard	2	Explosion	Undetermined	N/K	23:33-23:34 5-Nov,
5-6km SE	Heard	16	Explosion	Undetermined	N/K	15:14-15:25
			•		Small	5-Nov,
5-6km SE	Heard	19	Burst		arms	15:14-15:25
5-6km SE	Heard	45	Explosion	Undetermined	N/K	5-Nov, 15:35-16:00
J-OKIII SE	ricalu	43	Pybiogion	Undetermined	Small	5-Nov,
5-6km SE	Heard	339	Burst		arms	15:44-16:00
5.01.05		-	Б 1 :	TT 1	31/77	5-Nov,
5-6km SE	Heard	23	Explosion	Undetermined	N/K	16:03-16:21
3-4km SE	Heard	38	Burst		Small	5-Nov,

						arms	16:03-16:21
			_	_			5-Nov,
	3-4km SE	Heard	9	Burst		HMG	16:17-16:19
	3-4km SE	Heard	56	Shot		Small arms	5-Nov, 16:24-16:28
	5-6km SE	Heard	4	Explosion	Undetermined	N/K	5-Nov, 17:41-17:44
	3-4km SE	Heard	11	Burst		Small arms	5-Nov, 17:41-17:44
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	5-Nov, 18:11
			_	_		Small	
	3-4km SE 2-3km E	Heard Heard	5	Burst Burst		arms HMG	5-Nov, 18:12 5-Nov, 09:27
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	5-Nov, 12:15
E edge of Kamianka		Trour G		•		1,112	5-Nov,
(government-	4-5km SE	Heard	2	Explosion	Undetermined	N/K	12:54-12:55
controlled, 20km N of	4-5km SE	Heard	3	Explosion	Undetermined	N/K	5-Nov, 12:58-13:00
Donetsk)	4-5km SE	Heard	3	Explosion	Undetermined	N/K	5-Nov, 13:03-13:04
	1.01			D .		Small	5 N 12 24
	1-2km NE 0.3-0.5km	Heard	1	Burst		arms	5-Nov, 13:34
	SSE 0.3-0.5km	Recorded	7	Muzzle flash		N/K	5-Nov, 03:03
	SSE	Recorded	5	Muzzle flash		N/K	5-Nov, 03:03
	0.3-0.5km SSE	Recorded	9	Muzzle flash		N/K	5-Nov, 03:06
	0.3-0.5km SSE	Recorded	8	Muzzle flash		N/K	5-Nov, 03:07
	0.3-0.5km	Dd-d	10				,
	SSE 0.3-0.5km	Recorded	18	Muzzle flash		N/K	5-Nov, 03:23
SMM camera	SSE 0.3-0.5km	Recorded	4	Muzzle flash		N/K	5-Nov, 03:24
in Kriakivka (government-	SSE 0.3-0.5km	Recorded	1	Muzzle flash		N/K	5-Nov, 03:24
controlled, 38km NW of	SSE	Recorded	5	Muzzle flash		N/K	5-Nov, 03:25
Luhansk)	0.3-0.5km SSE	Recorded	4	Muzzle flash		N/K	5-Nov, 03:40
	0.3-0.5km SSE	Recorded	7	Muzzle flash		N/K	5-Nov, 03:57
	0.3-0.5km SSE	Recorded	2	Muzzle flash		N/K	5-Nov, 03:57
	0.3-0.5km						
	SSE 0.3-0.5km	Recorded	5	Muzzle flash		N/K	5-Nov, 03:58
	SSE 0.3-0.5km	Recorded	13	Muzzle flash		N/K	5-Nov, 04:07
	SSE	Recorded	2	Muzzle flash		N/K	5-Nov, 04:07
	0.3-0.5km SSE	Recorded	3	Muzzle flash		N/K	5-Nov, 04:08
SE edge of Popasna (government- controlled, 69km W of Luhansk)	5-10km E	Heard	1	Explosion	Undetermined	N/K	5-Nov, 09:51-09:52
2km S of Muratove (government- controlled, 51km NW of Luhansk)	6-8km SSE	Heard	5	Explosion	Undetermined	N/K	5-Nov, 10:41-10:50
N edge of	4-8km E	Heard	4	Explosion	Undetermined	N/K	5-Nov,

Zolote disengagement			(assessed as outside the	10:41-10:51
area			disengagement	
(government-			area)	
controlled,				
60km W of				
Luhansk)				

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).