Table of ceasefire violations as of 16 November 2018¹

SMM camera in Avdirka	SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
3-5km SSE Recorded 1 Projectile NW to ESE N/K 15-Nov, 18-26	-					-	_	,
3-5km SSE		3-5km SSE	Recorded	1	Projectile	NE to SW	N/K	16-Nov, 17:34
3-5km SSE		3-5km SSE	Recorded	6	Projectile	WSW to ENE	N/K	15-Nov, 18:26
3-5km SSE		3-5km SSE	Recorded	1	Projectile	NNW to SSE	N/K	15-Nov, 18:36
3-5km SSE		3-5km SSE	Recorded	1	Projectile	NNW to SSE	N/K	15-Nov, 18:42
3-5km SSE Recorded 1 flare lin vertical flight N/K 15-Nov, 1843		3-5km SSE	Recorded	1		In vertical flight	N/K	15-Nov, 18:42
3-5km SS		3-5km SSE	Recorded	1		In vertical flight	N/K	15-Nov, 18:43
3-5km S Recorded 1 Illumination In vertical flight N/K 15-Nov, 18:51		3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Nov, 18:43
3-5km S		3-5km SSE	Recorded	2	,	WSW to ENE	N/K	15-Nov, 18:44
SMM camera in Chermalyk (government in Cherm		3-5km S		1		In vertical flight	N/K	15-Nov, 18:51
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol) 2-3km SSE Recorded 1 Projectile MSW to ENE N/K 15-Nov, 19:29		3-5km S	Recorded		Projectile	In vertical flight		15-Nov, 18:51
(government-controlled, 31km NE of Mariupol) 2-3km SSE Recorded 1 Projectile WSW to ENE N/K 15-Nov, 19:52 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 15-Nov, 20:34 2-4km SSE Recorded 4 Projectile ENE to WSW N/K 15-Nov, 20:51 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 15-Nov, 20:51 2-4km SSE Recorded 1 Projectile WSW to ENE N/K 15-Nov, 20:51 2-4km SSE Recorded 2 Projectile ENE to WSW N/K 15-Nov, 20:51 2-4km SSE Recorded 3 Projectile ENE to WSW N/K 15-Nov, 20:54 2-4km SSE Recorded 4 Projectile ENE to WSW N/K 15-Nov, 20:54 2-4km SSE Recorded 4 Projectile ENE to WSW N/K 15-Nov, 20:54 2-4km SSE Recorded 9 Projectile ENE to WSW N/K 15-Nov, 22:38 2-4km SSE Recorded 2 Projectile ENE to WSW N/K 15-Nov, 22:38 2-4km SSE Recorded 2 Projectile ENE to WSW N/K 15-Nov, 22:38 2-4km SSE Recorded 4 Projectile ENE to WSW N/K 15-Nov, 22:38 2-4km SSE Recorded 2 Projectile ENE to WSW N/K 15-Nov, 20:44 2-4km SSE Recorded 4 Projectile ENE to WSW N/K 15-Nov, 20:44 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 15-Nov, 20:40 2-4km SSW Recorded 2 Projectile ENE to WSW N/K 15-Nov, 20:25 2-4km SSW Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km SS Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km SS Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km SS Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km S Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km S Recorded 1 Projectile W to E N/K 15-Nov, 20:25 2-4km S Recorded 1 Projectile W to E N/K 15-Nov, 20:25 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:55 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 1 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 2 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 2 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 2 Projectile W to E N/K 16-Nov, 16:53 3-5km SW Recorded 2 Projectile SW to		3-5km SE	Recorded	3	Projectile	ENE to WSW		15-Nov, 18:59
Nariupol)	SMM camera in Chermalyk		Recorded	6				
2-4km SSE		2-3km SSE	Recorded	1		WSW to ENE	N/K	15-Nov, 19:52
2-4km SSE	Mariupol)		Recorded	1		In vertical flight		15-Nov, 20:34
2-4km SSE			Recorded		Projectile	ENE to WSW		15-Nov, 20:48
2-4km SSE		2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	15-Nov, 20:51
2-4km SSE		2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Nov, 20:53
2-4km SSE		2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Nov, 20:54
2-4km SSE		2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	15-Nov, 22:18
2-4km SSE		2-4km SSE	Recorded	4		ENE to WSW	N/K	15-Nov, 22:37
2-4km SSE Recorded 2 Projectile ENE to WSW N/K 15-Nov, 23:34		2-4km SSE	Recorded		Projectile	ENE to WSW	N/K	15-Nov, 22:38
2-4km SSE		2-4km SSE	Recorded		Projectile	ENE to WSW	N/K	15-Nov, 22:44
2-7km SE			Recorded					
1-2km SSW Recorded 2 Projectile NW to SE N/K 15-Nov, 19:40		2-4km SSE	Recorded	2		ENE to WSW		16-Nov, 00:54
2-4km SSW Recorded 1 Projectile W to E N/K 15-Nov, 20:25			Recorded			ENE to WSW		16-Nov, 16:43
2-4km SSW Recorded 2 Projectile W to E N/K 15-Nov, 20:26			Recorded	2				
2-4km SSW Recorded 1 Projectile W to E N/K 15-Nov, 20:27		2-4km SSW	Recorded		Projectile			15-Nov, 20:25
2-4km S Recorded 1 Illumination flare In vertical flight N/K 15-Nov, 21:33				2				
2-4km S Recorded 1 flare In vertical flight N/K 15-Nov, 21:53		2-4km SSW	Recorded	1		W to E	N/K	15-Nov, 20:27
SMM camera at Donetsk Filtration Station (15km N of Donetsk) 2-4km S Recorded 1 Projectile E to W N/K 16-Nov, 03:20		2-4km S	Recorded	1	flare	In vertical flight	N/K	15-Nov, 21:33
0.5-1km S Recorded 1 Explosion Impact N/K 16-Nov, 03:26				1	flare	Ŭ		·
3-5km SW Recorded 3 Projectile NW to SE N/K 16-Nov, 16:45	Station (15km N of Donetsk)							
3-5km SW Recorded 1 Projectile NW to SE N/K 16-Nov, 16:53					•	_		,
3-5km SW Recorded 3 Projectile W to E N/K 16-Nov, 16:59				3		NW to SE		16-Nov, 16:45
3-5km SW Recorded 4 Projectile W to E N/K 16-Nov, 17:17					•			
3-5km SW Recorded 1 Illumination flare W to E N/K 16-Nov, 17:17 SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol) 2-4km E Recorded 2 Projectile SW to NE N/K 15-Nov, 18:46 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-Nov, 18:56 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-Nov, 19:02								
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol) Recorded 1 flare W to E N/K 16-Nov, 17:17 2-4km E Recorded 2 Projectile SW to NE N/K 15-Nov, 18:46 2-4km E Recorded 2 Projectile SW to NE N/K 15-Nov, 18:56 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-Nov, 19:02		3-5km SW	Recorded	4	,	W to E	N/K	16-Nov, 17:17
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol) 2-4km E Recorded 2 Projectile SW to NE N/K 15-Nov, 18:56 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-Nov, 19:02		3-5km SW	Recorded	1		W to E	N/K	16-Nov, 17:17
(government-controlled, 20km NE of Mariupol) 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-Nov, 19:02	CMM comove 1 5law NE of House		Recorded	2	Projectile	SW to NE		15-Nov, 18:46
Mariupol) 2-4km ESE Recorded 2 Projectile SW to NE N/K 15-NoV, 19:02		2-4km E	Recorded		Projectile	SW to NE	N/K	15-Nov, 18:56
2-4km ENE Recorded 3 Projectile SW to NE N/K 15-Nov, 22:12	· ·	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	15-Nov, 19:02
		2-4km ENE	Recorded	3	Projectile	SW to NE	N/K	15-Nov, 22:12

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.

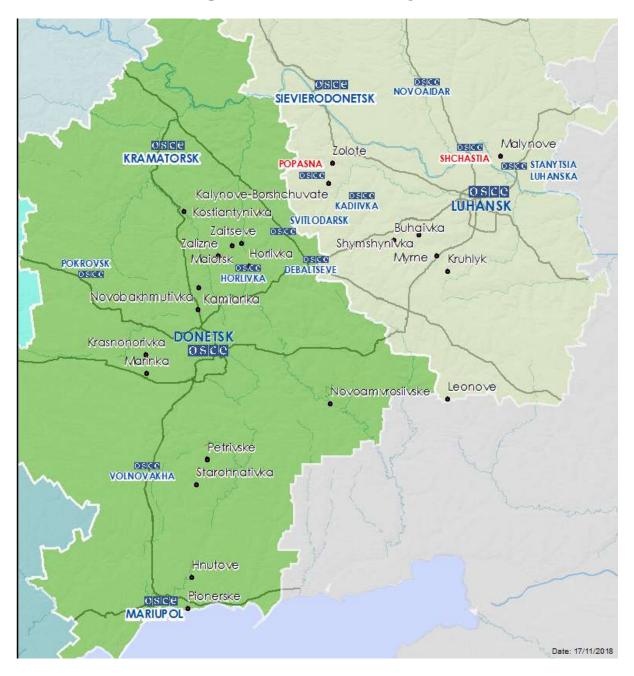
		T			T ~		T
	2-4km E	Recorded	1	Projectile	SW to NE	N/K	15-Nov, 22:14
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Nov, 22:20
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	15-Nov, 22:23
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	15-Nov, 22:23
	2-4km ESE	Recorded	3	Projectile	N to S	N/K	15-Nov, 22:24
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Nov, 22:25
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Nov, 22:35
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	15-Nov, 22:36
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Nov, 23:11
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	15-Nov, 23:11
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Nov, 23:18
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Nov, 23:20
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	15-Nov, 23:21
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	15-Nov, 23:54
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	16-Nov, 01:25
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 01:26
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 01:27
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	16-Nov, 01:28
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 01:30
ŀ	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 01:30
ł	2-4km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 01:31
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 01:32
					S to N		
	2-4km ENE	Recorded	1	Projectile		N/K	16-Nov, 01:33
•	2-4km ENE	Recorded	1	Projectile	S to N	N/K	16-Nov, 01:33
•	2-4km ESE	Recorded	13	Projectile	N to S	N/K	16-Nov, 02:05
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	16-Nov, 02:25
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	16-Nov, 02:44
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	16-Nov, 03:13
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	16-Nov, 03:27
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	16-Nov, 05:20
SMM camera E of Lomakyne (government-controlled, 15km NE of	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Nov, 17:08
Mariupol)	2-4km NE	Recorded	2	Projectile	W to E	N/K	15-Nov, 18:15
Martupor)	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Nov, 20:13
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	15-Nov, 21:29
	2-4km E	Recorded	12	Projectile	N to S	N/K	15-Nov, 22:10
	2-4km E	Recorded	13	Projectile	N to S	N/K	15-Nov, 22:15
	2-4km E	Recorded	12	Projectile	N to S	N/K	15-Nov, 22:16
	2-4km E	Recorded	7	Projectile	N to S	N/K	15-Nov, 22:20
	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Nov, 22:23
	2-4km E	Recorded	9	Projectile	N to S	N/K	15-Nov, 22:25
	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Nov, 22:26
İ	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Nov, 22:45
	2-4km E	Recorded	4	Projectile	N to S	N/K	15-Nov, 23:08
ļ	2-4km E	Recorded	8	Projectile	N to S	N/K	15-Nov, 23:10
SMM camera at entry-exit checkpoint	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Nov, 23:14
in Maiorsk (government-controlled,	2-4km ENE	Recorded	1	Explosion	Impact	N/K	15-Nov, 23:14
45km NE of Donetsk)	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Nov, 23:21
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	15-Nov, 23:21
	2-4km ENE	Recorded	1	Projectile	N to S	N/K N/K	15-Nov, 23:48
			5	Projectile			
	2-4km ENE	Recorded	5		S to N N to S	N/K	15-Nov, 23:52
	2 Alem E)	Projectile	1N 10 S	N/K	15-Nov, 23:54
ŀ	2-4km E	Recorded		Dunit of 1	NIXI 4 - OT	NT/TZ	16 NI== 00.00
	2-4km E	Recorded	8	Projectile	NW to SE	N/K	16-Nov, 00:00
	2-4km E 2-4km E	Recorded Recorded	8 8	Projectile	N to S	N/K	16-Nov, 00:10
	2-4km E 2-4km E 2-4km E	Recorded Recorded Recorded	8 8 7	Projectile Projectile	N to S N to S	N/K N/K	16-Nov, 00:10 16-Nov, 00:11
	2-4km E 2-4km E 2-4km E 2-4km ESE	Recorded Recorded Recorded Recorded	8 8 7 3	Projectile Projectile Projectile	N to S N to S N to S	N/K N/K N/K	16-Nov, 00:10 16-Nov, 00:11 16-Nov, 02:32
	2-4km E 2-4km E 2-4km E 2-4km ESE 3-4km ESE	Recorded Recorded Recorded Recorded Recorded	8 8 7 3 4	Projectile Projectile Projectile Projectile	N to S N to S N to S N to S	N/K N/K N/K N/K	16-Nov, 00:10 16-Nov, 00:11 16-Nov, 02:32 16-Nov, 16:58
	2-4km E 2-4km E 2-4km E 2-4km ESE	Recorded Recorded Recorded Recorded	8 8 7 3	Projectile Projectile Projectile	N to S N to S N to S	N/K N/K N/K	16-Nov, 00:10 16-Nov, 00:11 16-Nov, 02:32

2-8 m S Recorded 1 Projectile E to W NK 15-Nov, 18-78		T	T =					T
SMM camera at entry-exit checkpoint Projectible En W NK 15-Nov, 19-20		2-4km S	Recorded	3	Projectile	E to W	N/K	15-Nov, 18:48
SMM camera at entispecsic fleedspoint in Poshcheryk, (government-controlled, 25km NE of Mariupol) 2-4km S								
2-4km S								
controlled, 25km NE of Mariupol Alam SE Recorded 2 bridge (a) bridge (b) bridge (_				
2-4km S Recorded 2 Projectile E to W NK 15-Nov, 2228								
	controlled, 25km NE of Mariupol)							
Debulseve (non-government-controlled, 58km NE of Donetsk)								
Debathsew (non-government-controlled, 20km NE of Donetsk) 2-3km SE Meard 1 Explosion Undetermined N/K 15-Nov, 22-47								
Controlled, Skin NE of Donetsk Controlled, 17km N of Ponetsk Controlled, 17km N of Ponet		2-4km SSE	Recorded	4	Projectile	E to W	N/K	16-Nov, 02:05
	controlled, 58km NE of Donetsk)	0.5-1km N	Heard	1	Explosion	Undetermined	N/K	15-Nov, 22:47
Marinka (government-controlled, 23km SW of Donetsk) 1-2km SE Heard 5 Shot Small arms 16-Nov, 11:30		2-3km SE	Heard	1	Explosion	Undetermined		16-Nov, 09:39
1-2km NE		1km NE	Heard	2	Shot		arms	16-Nov, 11:40
1-2km NE	23km SW of Donetsk)	1-2km SE	Heard	5	Shot		arms	16-Nov, 11:43
1-2km NE							arms	· ·
1-3km N	controlled, 21km W of Donetsk)				•	Undetermined		
1-8m		1-2km NE	Heard	6	Burst			
1-3km N Heard 12 Burst AGL 16-Nov, 16-Nov, 10-Nov 16-Nov, 10-Nov 16-Nov, 10-Nov 16-Nov, 10-Nov 10-N		1-3km N	Heard	12	Shot			09:40-10:00
1-3km N Heard 12 Burst AGL 10-Nov, 10-00		1-3km N	Heard	2	Explosion	Undetermined	N/K	09:40-10:00
1.5-2km SSE	controlled, 20km SW of Donetsk)	1-3km N	Heard	12	Burst		AGL	
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk) 1-2km SSE Heard 10 Shot Small arms 16-Nov, 13:00		1-2km N	Heard	1	Shot		AGL	16-Nov, 11:33
1-2km SSE		1.5-2km WSW	Heard	4	Shot			16-Nov, 12:50
Controlled, 16km NE of Donetsk 1-2km S Heard 10 Shot Small arms 16-Nov, 13:00 13:00-13:32 16-Nov, 13:20-13:32 16-Nov, 10:10-10:30 16-Nov, 10:30-10:47 1		1-2km SSE	Heard	3	Shot			16-Nov, 13:00
1.5-2km S		1-2km S	Heard	10	Shot			16-Nov, 13:00
N/K NE		1.5-2km S	Heard	71	Shot			
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol) N/K NE Heard 4 Burst HMG 10:10-10:30 N/K NE Heard 6 Shot Small arms 16-Nov, 10:10-10:30 2km N of Pionerske (government-controlled, 14km E of Mariupol) N/K E Heard 3 Explosion Undetermined N/K 16-Nov, 10:57 Trudivske (government-controlled, 14km E of Donetsk) E Heard Shot Uncountable IFV 16-Nov, 10:57 Chermalyk (government-controlled, 31km NE of Mariupol) N/K E Heard 3 Explosion Undetermined N/K 16-Nov, 10:57 Chermalyk (government-controlled, 31km NE of Mariupol) N/K E Heard 3 Explosion Undetermined N/K 16-Nov, 13:03 2-3km SE Heard 2 Explosion Undetermined N/K 15-Nov, 18:34-18:35 3-4km SE Heard 17 Burst HMG 15-Nov, 18:55 57km NE of Donetsk) 3-4km SE Heard 18 Burst HMG 15-Nov, 19:01-19:01 57		N/K NE	Heard	109	Shot	Cannon	Other	
N/K NE	2km SE of Lebedynske (government-	N/K NE	Heard	4	Burst		HMG	
2km N of Pionerske (government-controlled, 14km E of Mariupol) Trudivske (government-controlled, 47km S of Donetsk) N/K E Heard Beard Shot Undetermined N/K 16-Nov, 10:57 16-Nov, 10:57 12:22-12:32 N/K E Heard Shot Uncountable IFV 16-Nov, 12:22-12:32 N/K E Heard Shot Undetermined N/K 16-Nov, 13:03 15-Nov, 18:34-18:35 3-4km SSE Heard Burst HMG Svitlodarsk (government-controlled, 57km NE of Donetsk) N/K 15-Nov, 18:57 15-Nov, 18:59 15-Nov, 19:01 3-4km SSE Heard Burst HMG 15-Nov, 19:01 15-Nov, 19:01 15-Nov, 19:01 15-Nov, 19:01	controlled, 16km NE of Mariupol)	N/K NE	Heard	6	Shot			
controlled, 14km E of Mariupol) Trudivske (government-controlled, 47km S of Donetsk) Chermalyk (government-controlled, 31km NE of Mariupol) Part Heard Shot Uncountable IFV 16-Nov, 12:22-12:32 Chermalyk (government-controlled, 31km NE of Mariupol) N/K E Heard 3 Explosion Undetermined N/K 16-Nov, 13:03 2-3km SE Heard 17 Burst HMG 15-Nov, 18:53 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 18:55 2-3km SE Heard 35 Burst HMG 15-Nov, 18:57-18:59 Svitlodarsk (government-controlled, 57km NE of Donetsk) Adm SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:00-19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:00-19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:00-19:01		N/K NE	Heard	37	Shot	Cannon	Other	
47km S of Donetsk) E Heard Heard Shot Uncountable Uncountable IFV 12:22-12:32 Chermalyk (government-controlled, 31km NE of Mariupol) N/K E Heard 3 Explosion Undetermined N/K 16-Nov, 13:03 2-3km SE Heard 2 Explosion Undetermined N/K 15-Nov, 18:53 3-4km SE Heard 1 Explosion Undetermined N/K 15-Nov, 18:53 Svitlodarsk (government-controlled, 57km NE of Donetsk) 3-4km SE Heard 1 Explosion Undetermined HMG 15-Nov, 18:55 3-4km SE Heard 18 Burst HMG 15-Nov, 19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:01 3-4km SSE Heard 4 1 Explosion Undetermined N/K 15-Nov, 19:01	controlled, 14km E of Mariupol)	N/K E	Heard	3	Explosion	Undetermined	N/K	, i
2-3km SE	47km S of Donetsk)	Е	Heard		Shot	Uncountable	IFV	
2-3km SE		N/K E	Heard	3	Explosion	Undetermined	N/K	, i
3-4km SE			Heard		Explosion	Undetermined		18:34-18:35
2-3km SE				17				
Svitlodarsk (government-controlled, 57km NE of Donetsk) Heard 35 Burst HMG 18:57-18:59 3-4km SE Heard 18 Burst HMG 15-Nov, 19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:01 3-4km SSE Heard 45 Burst HMG 15-Nov, 19:01		3-4km SE	Heard	1	Explosion	Undetermined	N/K	
57km NE of Donetsk) 3-4km SE Heard 18 Burst HMG 15-100V, 19:00-19:01 3-4km SSE Heard 1 Explosion Undetermined N/K 15-Nov, 19:01 3-4km SSE Heard 45 Burst HMG 15-Nov, 19:07		2-3km SE	Heard	35	Burst		HMG	18:57-18:59
3-4km SSE Heard 45 Burst HMG 15-Nov, 19:05-19:07		3-4km SE	Heard	18	Burst		HMG	
3-4km SSE Heard 43 Burst HMG 19:05-19:07		3-4km SSE	Heard	1	Explosion	Undetermined	N/K	
		3-4km SSE	Heard	45	Burst		HMG	
		2-3km SE	Heard	2	Explosion	Undetermined	N/K	
2-3km SE Heard 17 Burst HMG 15-Nov, 19:10					-			

	3-4km SSE	Heard	23	Burst		HMG	15-Nov, 19:15
	J-4KIII SSL	Hearu	23	Durst		Small	13-1100, 19.13
	1-2km SE	Heard	6	Shot		arms	15-Nov, 19:19
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 19:21
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 19:23
				•	Ondetermined		
	3-4km SE	Heard	34	Burst		HMG	15-Nov, 19:30
	2-3km SE	Heard	11	Burst	TT1-41	HMG	15-Nov, 19:46
	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 19:50
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 19:57
	4-5km SE	Heard	7	Burst		HMG	15-Nov, 20:00
	1-2km SSE	Heard	12	Burst		HMG	15-Nov, 20:06
	2-3km SE	Heard	2	Burst		HMG	15-Nov, 20:12
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 20:20
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 20:24
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 20:31
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	15-Nov, 20:57
	4-5km SSE	Heard	21	Burst		HMG	15-Nov, 21:09-21:11
	1-2km SE	Heard	54	Burst		HMG	15-Nov, 21:14-21:16
	2-3km SSE	Heard	6	Explosion	Undetermined	N/K	15-Nov, 21:14-21:16
	2-3km SE	Heard	5	Explosion	Undetermined	N/K	15-Nov, 21:17
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	15-Nov, 21:20
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	15-Nov, 21:17
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	15-Nov, 21:29
	2-3km SE	Heard	17	Burst	Chacternanea	HMG	15-Nov, 21:29
	2-3km SE	Heard	22	Burst		HMG	15-Nov, 21:32
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 21:35
	4-5km SSE			_	Undetermined	N/K	
		Heard	4	Explosion	Ondetermined		15-Nov, 21:38
	4-5km SSE	Heard	13	Burst		HMG	15-Nov, 21:38
	2-3km SE	Heard	11	Burst		HMG	15-Nov, 21:44
	3-4km SSE	Heard	5	Burst	TT 1 1	HMG	15-Nov, 21:48
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 21:53
	3-4km SE	Heard	7	Burst		HMG	15-Nov, 22:13
	2-3km SE	Heard	3	Burst		HMG	15-Nov, 22:17
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 22:23
	5-6km SSE	Heard	7	Burst		HMG	15-Nov, 22:31
	5-6km SSE	Heard	5	Burst		HMG	15-Nov, 22:39
	4-5km SE	Heard	13	Burst		HMG	15-Nov, 23:23
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 23:27
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 23:33
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	15-Nov, 22:44
	2-3km SE	Heard	23	Burst		HMG	15-Nov, 22:47-23:49
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	15-Nov, 22:47
	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	16-Nov, 08:32
	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 08:55
	2-3km SSE	Heard	3	Explosion	Undetermined	N/K	16-Nov, 12:00-12:03
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 12:05
	2-3km SSE	Heard	4	Explosion	Undetermined	N/K	16-Nov, 13:05
	2-3km SSE 2-3km SSE	Heard	3	Explosion	Undetermined	N/K	16-Nov, 14:10
	2-3km SSE 2-3km SSE	Heard	4	Explosion	Undetermined	N/K	16-Nov, 14:10
	3-4km S	Heard		Explosion	Undetermined	N/K	16-Nov, 14.20 16-Nov, 09:16
			1	_	Undetermined	N/K N/K	
E edge of Kamianka (government- controlled, 20km N of Donetsk)	3-4km S	Heard	1	Explosion			16-Nov, 09:37
	2-4km E	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:15
	2-4km SSE	Heard	2	Explosion	Undetermined	N/K	16-Nov, 10:30
	3-5km E	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:32
	4-6km S	Heard	21	Burst		HMG	16-Nov,

							11:00-11:05
	3-4km S	Heard	2	Explosion	Undetermined	N/K	16-Nov, 11:20
	3-4km S	Heard	10	Burst		HMG	16-Nov, 11:22
	3-4km S	Heard	3	Explosion	Undetermined	N/K	16-Nov, 12:05
	3-4km S	Heard	4	Burst		HMG	16-Nov, 12:10
	3-4km S	Heard	6	Explosion	Undetermined	N/K	16-Nov, 13:20-13:25
	3-4km S	Heard	6	Explosion	Undetermined	N/K	16-Nov, 13:29-13:31
	1-2km S	Heard	4	Burst		Small arms	16-Nov, 13:34
1.3km NNW of Kalynove- Borshchuvate (non-government- controlled, 61km W of Luhansk)	4-5km NE	Heard	5	Explosion	Undetermined	N/K	16-Nov, 09:20-09:21
3.2km NNW of Yuzhna-Lomuvatka (non-government-controlled, 60km W	6-8km N	Heard	3	Explosion	Undetermined	N/K	16-Nov, 10:15-10:25
of Luhansk)	6-8km N	Heard	18	Burst		HMG	16-Nov, 10:15-10:25
About 5km WSW of Popasna (government-controlled, 69km W of Luhansk)	8-10km SW	Heard	1	Explosion	Undetermined	N/K	16-Nov, 10:50
NE outskirts of Popasna (government-controlled, 69km W of Luhansk)	2-3km E	Heard	2	Shot		Small arms	16-Nov, 11:48
SW outskirts of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-4km N	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	16-Nov, 11:32
SE outskirts of Trokhizbenka (government-controlled, 32km NW of Luhansk)	3-5km S	Heard	15	Burst		HMG	16-Nov, 12:03-12:10
Trokhizbenka (government-controlled, 32km NW of Luhansk)	7-10km SE	Heard	1	Explosion	Undetermined	N/K	16-Nov, 12:43

Map of Donetsk and Luhansk regions²



²The 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).