

**Table of ceasefire violations as of 14 November 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SSE	Recorded	1	Burst	WNW to ESE	N/K	13-Nov, 21:39
	3-5km SSE	Recorded	5	Explosion	Undetermined	N/K	13-Nov, 21:39
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 22:18
	3-5km SSE	Recorded	2	Projectile	SW to NE	N/K	13-Nov, 02:50
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	14-Nov, 17:36
	2-4km SSE	Recorded	5	Projectile	E to W	N/K	14-Nov, 17:37
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	13-Nov, 18:26
	3-5km S	Recorded	1	Illumination flare	In vertical flight	N/K	13-Nov, 18:43
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	13-Nov, 19:11
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	14-Nov, 00:21
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	14-Nov, 03:29
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	14-Nov, 03:30
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	14-Nov, 04:23
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SW	Recorded	1	Projectile	W to E	N/K	13-Nov, 18:14
	2-4km SW	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 18:14
	2-4km SW	Recorded	2	Projectile	NW to SE	N/K	13-Nov, 18:15
	2-3km SW	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 20:17
	2-3km SW	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 20:21
	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	13-Nov, 21:08
	2-3km SSW	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 21:08
	2-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	13-Nov, 21:09
	2-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	13-Nov, 22:03
	2-3km SSW	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 22:45
	2-3km SSW	Recorded	3	Projectile	NW to SE	N/K	13-Nov, 22:57
	1.5-2.5km SSW	Recorded	2	Projectile	W to E	N/K	14-Nov, 00:04
	1.5-2.5km SSW	Recorded	1	Projectile	W to E	N/K	14-Nov, 00:48
	2-3km SSW	Recorded	3	Projectile	NW to SE	N/K	14-Nov, 00:50
	1-2km SW	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 01:36
	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	14-Nov, 02:03
	0.5-1km SW	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 17:04
	0.5-1km SW	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 17:36
	0.5-1km SW	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 17:37
	0.5-1km SW	Recorded	2	Projectile	NW to SE	N/K	14-Nov, 17:38
0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	14-Nov, 17:54	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km ENE	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 18:51
	3-5km ENE	Recorded	2	Projectile	NW to SE	N/K	13-Nov, 18:52
	3-5km ENE	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 18:53
	2-4km E	Recorded	2	Projectile	N to S	N/K	13-Nov, 20:37
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 20:37
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 21:10
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 21:10
	2-4km E	Recorded	2	Projectile	S to N	N/K	13-Nov, 21:10

<sup>1</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 E	Recorded	1	Projectile	S to N	N/K	13-Nov, 21:13	
2-4km ENE	Recorded	1	Explosion	Impact	N/K	13-Nov, 21:13	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 21:13	
2-4km E	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 21:13	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 21:15	
2-4km ENE	Recorded	2	Projectile	N to S	N/K	13-Nov, 21:16	
2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 21:16	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 21:17	
2-4km E	Recorded	1	Explosion	Impact	N/K	13-Nov, 21:29	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 21:29	
2-4km E	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 21:29	
2-4km E	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 21:29	
2-4km ENE	Recorded	1	Explosion	Impact	N/K	13-Nov, 21:29	
2-4km ENE	Recorded	4	Projectile	N to S	N/K	13-Nov, 21:33	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 21:35	
2-4km E	Recorded	2	Projectile	WNW to ESE	N/K	13-Nov, 21:41	
2-4km E	Recorded	1	Projectile	N to S	N/K	13-Nov, 21:41	
2-4km E	Recorded	1	Projectile	S to N	N/K	13-Nov, 21:41	
2-4km ENE	Recorded	1	Projectile	S to N	N/K	13-Nov, 22:04	
2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	13-Nov, 22:06	
2-4km ENE	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 22:06	
2-4km SE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 22:06	
2-4km E	Recorded	4	Projectile	S to N	N/K	13-Nov, 22:11	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 22:12	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 22:21	
2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	13-Nov, 22:21	
2-4km ENE	Recorded	1	Burst	NW to SE	N/K	13-Nov, 22:21	
2-4km E	Recorded	3	Projectile	S to N	N/K	13-Nov, 22:22	
2-4km E	Recorded	3	Projectile	S to N	N/K	13-Nov, 22:23	
2-4km ESE	Recorded	2	Projectile	S to N	N/K	13-Nov, 22:23	
2-4km ESE	Recorded	1	Projectile	W to E	N/K	13-Nov, 22:23	
2-4km ESE	Recorded	2	Projectile	N to S	N/K	13-Nov, 22:23	
2-4km E	Recorded	1	Muzzle flash		N/K	13-Nov, 22:24	
2-4km E	Recorded	3	Projectile	S to N	N/K	13-Nov, 22:24	
2-4km E	Recorded	2	Projectile	WSW to ENE	N/K	13-Nov, 22:24	
2-4km E	Recorded	2	Muzzle flash		N/K	13-Nov, 22:24	
2-4km E	Recorded	6	Projectile	S to N	N/K	13-Nov, 22:25	
2-4km E	Recorded	1	Projectile	N to S	N/K	13-Nov, 22:26	
2-4km ESE	Recorded	2	Projectile	N to S	N/K	13-Nov, 22:26	
2-4km ENE	Recorded	1	Projectile	ESE to WNW	N/K	13-Nov, 22:33	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 22:33	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 23:31	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 23:32	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 23:33	
2-4km ENE	Recorded	1	Projectile	N to S	N/K	13-Nov, 23:34	
2-4km ENE	Recorded	1	Projectile	S to N	N/K	13-Nov, 23:35	
2-4km ENE	Recorded	7	Projectile	N to S	N/K	13-Nov, 23:37	
2-4km ENE	Recorded	1	Projectile	S to N	N/K	13-Nov, 23:37	
2-4km ESE	Recorded	1	Projectile	S to N	N/K	13-Nov, 23:47	
2-4km ESE	Recorded	2	Projectile	N to S	N/K	13-Nov, 23:47	
2-4km ENE	Recorded	2	Projectile	N to S	N/K	14-Nov, 00:25	
2-4km ENE	Recorded	1	Projectile	S to N	N/K	14-Nov, 00:30	
2-4km ENE	Recorded	4	Projectile	N to S	N/K	14-Nov, 03:53	
2-4km ENE	Recorded	8	Projectile	S to N	N/K	14-Nov, 04:22	
SMM camera E of	3-5km NE	Recorded	1	Projectile	SE to NW	N/K	13-Nov, 22:33

Lomakyne (government-controlled, 15km NE of Mariupol)	3-5km NE	Recorded	1	Explosion	Impact	N/K	13-Nov, 22:33
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 17:03
	2-4km ENE	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 20:16
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	5	Burst	W to E	N/K	13-Nov, 22:02
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	13-Nov, 21:10
	3-5km NE	Recorded	1	Muzzle flash		N/K	13-Nov, 21:10
	3-6km NE	Recorded	1	Projectile	NW to SE	N/K	13-Nov, 22:36
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-3km SSE	Recorded	4	Projectile	W to E	N/K	13-Nov, 22:19
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	13-Nov, 22:26
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	14-Nov, 03:54
	1-3km S	Recorded	2	Explosion	Undetermined	N/K	14-Nov, 16:55
	1-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Nov, 17:17
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	14-Nov, 17:38
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	2	Projectile	NW to SE	N/K	14-Nov, 18:00
	2-4km E	Recorded	35	Projectile	NW to SE	N/K	14-Nov, 18:14
2.6km SE of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	10	Burst		Small arms	14-Nov, 10:48-10:49
	2-3km SE	Heard	20	Shot		Small arms	14-Nov, 10:48-10:49
	2-3km SE	Heard	5	Burst		Small arms	14-Nov, 10:58
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:44
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:46
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:48
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:54
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:58
	1-2km SSE	Heard	7	Burst		Small arms	14-Nov, 12:03
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:15
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:21
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:50
2.8km NE of Luhanske ( non-government-controlled 15km SW of Donetsk)	4-5km NE	Heard	1	Burst		Small arms	14-Nov, 09:15
	8km NE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 09:50
3.6km SE of Marinka (government-controlled 23km SW of Donetsk)	1-2km NE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 11:20
	1-2km NE	Heard	5	Explosion	Undetermined	N/K	14-Nov, 13:22
1.1km NW of railway station in Yasinuvata (non-government-controlled, 16km NE of Donetsk)	2-3km S	Heard	3	burst		Small arms	14-Nov, 09:25-09:29
	2-3km S	Heard	16	Shot		Small arms	14-Nov, 09:25-09:29
	2-3km NW	Heard	10	Shot		Small arms	14-Nov, 12:15

	4-5km W	Heard	1	Explosion	Undetermined	N/K	14-Nov, 13:00
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	3-4km ENE	Heard	18	Burst		HMG	14-Nov, 10:22-10:28
	3-4km ENE	Heard	1	Explosion	Impact	N/K	14-Nov, 10:22-10:28
	N/K NE	Heard	1	Explosion	Impact	N/K	14-Nov, 10:48-10:54
	N/K ENE	Heard	1	Explosion	Impact	N/K	14-Nov, 10:48-10:54
Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard	3	Explosion	Undetermined		14-Nov, 13:05-13:12
3km NW of Rybyske (government-controlled, 49km S of Donetsk)	N/K ESE	Heard	9	Explosion	Undetermined	N/K	14-Nov, 11:31-11:45
Rybyske (government-controlled, 49km S of Donetsk)	N/K E	Heard	12	Explosion	Undetermined	N/K	14-Nov, 12:05-12:18
	N/K SE	Heard	3	Explosion	Undetermined	N/K	14-Nov, 12:05-12:18
Olhynka (government-controlled, 40km SW of Donetsk)	N/K E	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:55
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SE	Heard	24	Burst		HMG	13-Nov, 18:57-19:02
	3-4km SE	Heard	5	Burst		HMG	13-Nov, 19:01
	3-4km SE	Heard	10	Explosion	Outgoing	N/K	13-Nov, 19:05
	3-4km SE	Heard	6	Burst		HMG	13-Nov, 19:07
	4-5km E	Heard	3	Burst		Small arms	13-Nov, 19:08
	3-4km SE	Heard	6	Burst		HMG	13-Nov, 19:09
	4-5km SE	Heard	7	Burst		HMG	13-Nov, 19:16-19:18
	3-4km SE	Heard	6	Burst		HMG	13-Nov, 19:31
	3-4km SE	Heard	12	Explosion	Outgoing	N/K	13-Nov, 19:32
	3-4km SE	Heard	6	Burst		HMG	13-Nov, 19:45
	2-3km SE	Heard	8	Explosion	Outgoing	N/K	13-Nov, 19:46-19:51
	4-5km SE	Heard	6	Burst		HMG	13-Nov, 19:52
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 19:53
	2-3km SE	Heard	1	Explosion	Outgoing	N/K	13-Nov, 19:53
	4-5km SE	Heard	16	Burst		HMG	13-Nov, 19:54
	2-3km SE	Heard	9	Burst		HMG	13-Nov, 19:56-20:03
	3-4km SE	Heard	4	Burst		HMG	13-Nov, 20:04
	2-3km SE	Heard	17	Burst		HMG	13-Nov, 20:12-20:34
	3-4km SE	Heard	5	Burst		HMG	13-Nov, 21:05
	2-3km SE	Heard	10	Shot		Small arms	13-Nov, 21:05
	3-4km SE	Heard	10	Burst		HMG	13-Nov, 21:08-21:10
	2-3km SE	Heard	18	Explosion	Outgoing	N/K	13-Nov, 21:21-21:22
	4-5km NE	Heard	3	Burst		HMG	13-Nov, 21:24
	2-3km E	Heard	15	Burst		Small arms	13-Nov, 21:35
3-4km SE	Heard	5	Burst		HMG	13-Nov, 21:53	
3-4km SE	Heard	20	Burst		HMG	13-Nov, 22:10-22:21	

	2-3km SE	Heard	11	Burst		HMG	13-Nov, 22:26
	3-4km SE	Heard	8	Shot		Small arms	13-Nov, 22:28
	2-3km SE	Heard	7	Burst		HMG	13-Nov, 22:31
	3-4km SE	Heard	4	Burst		Small arms	13-Nov, 22:33
	2-3km SE	Heard	4	Shot		HMG	13-Nov, 22:48
	3-4km SE	Heard	21	Burst		HMG	13-Nov, 22:52-22:59
	2-3km SE	Heard	4	Burst		HMG	13-Nov, 23:04
	2-3km E	Heard	3	Explosion	Undetermined	N/K	13-Nov, 23:18-23:22
	2-3km E	Heard	2	Burst		HMG	13-Nov, 23:22-23:26
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 23:27
	3-4km SE	Heard	7	Burst		HMG	13-Nov, 23:27
	4-5km SE	Heard	16	Burst		HMG	13-Nov, 23:30-23:31
	3-4km SE	Heard	8	Shot		HMG	13-Nov, 23:48
	2-3km SE	Heard	4	Burst		HMG	13-Nov, 23:51
	4-5km SW	Heard	4	Burst		HMG	14-Nov, 10:35
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	14-Nov, 10:36
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 14:07
E edge of Kamianka (government-controlled, 20km N of Donetsk)	1-2km ESE	Heard	20	Shot		Small arms	14-Nov, 09:04
	1-2km ENE	Heard	2	Burst		Small arms	14-Nov, 09:05
	2-3km SE	Heard	6	Burst		Small arms	14-Nov, 09:12
	3-4km S	Heard	5	Explosion	Undetermined	N/K	14-Nov, 10:32
	1-2km SE	Heard	20	Shot		Small arms	14-Nov, 10:45
	3-4km SE	Heard		Burst	Uncountable overlapping	HMG	14-Nov, 10:53-10:56
	3-4km SW	Heard		Burst	Uncountable overlapping	HMG	14-Nov, 10:53-10:56
	4-5km S	Heard	14	Explosion	Undetermined	N/K	14-Nov, 11:15
	3-4km ESE	Heard	16	Shot		Small arms	14-Nov, 12:12
	3-4km ESE	Heard	1	Burst		HMG	14-Nov, 12:12
	5-6km SSW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:21
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	14-Nov, 13:46
N edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 09:32
	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	14-Nov, 09:42
	3-5km ENE	Heard	2	Explosion	Undetermined	N/K	14-Nov, 09:47
	3-5km ENE	Heard	3	Explosion	Undetermined	N/K	14-Nov, 09:54
	4km W	Heard	30	Burst		HMG	14-Nov, 13:42-13:45
NW edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	14-Nov, 12:05
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:07
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	14-Nov, 12:09
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	14-Nov, 12:11
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	14-Nov, 12:13
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	14-Nov, 12:14
Maiorsk (government-controlled, 45km NE of Donetsk)	2km ENE	Heard	4	Explosion	Undetermined	N/K	14-Nov, 10:33
	1-2km S	Heard	2	Burst		HMG	14-Nov, 11:15
	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	14-Nov, 12:51
	5km S	Heard	1	Explosion	Undetermined	N/K	14-Nov, 13:21
	4-5km ESE	Heard	20	Burst		HMG	14-Nov, 13:30-13:32

	3-5km SW	Heard	16	Explosion	Undetermined	N/K	14-Nov, 13:40
	3-5km SW	Heard	Uncountable	Burst	Uncountable overlapping	HMG	14-Nov, 13:40-13:53
	5-8km SW	Heard	20	Explosion	Undetermined	N/K	14-Nov, 13:40-13:53
	3-5km SW	Heard	47	Explosion	Undetermined	N/K	14-Nov, 13:55-14:55
	3-5km SW	Heard	4	Burst		IFV (BMP-2)	14-Nov, 13:55-14:55
	3-5km SW	Heard		Shots and bursts	Uncountable overlapping	Small arms	14-Nov, 13:55-15:00
2.6km SE of Holubivske (non-government-controlled, 51km W of Luhansk)	4-5km NNW	Heard	2	Shot		Small arms	14-Oct, 09:00-09:01
Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NW	Heard	19	Explosion	Undetermined	N/K	14-Oct, 09:19-09:50
	3-5km NW	Heard	15	Burst		HMG	14-Oct, 09:19-09:50
	2-3km N	Heard	2	Burst		HMG	14-Oct, 09:35
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	1-2km SE	Heard	17	Burst	Assessed as outside the disengagement area	Small arms	14-Nov, 09:13-09:35
	8-10km NE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Nov, 09:13-09:35
4km SE of Borivske (government-controlled, 65km NW of Luhansk)	8-15km SSE	Heard	21	Explosion	Undetermined	N/K	14-Nov, 09:27-09:45
SE edge of Popasna (government-controlled, 69km W of Luhansk)	9-11km SSE	Heard	7	Explosion	Undetermined	N/K	14-Nov, 09:35-09:45
	9-11km NE	Heard	3	Explosion	Undetermined	N/K	14-Nov, 09:35-09:45
W edge of Tsarivka (government-controlled, 41km NW of Luhansk)	4km NE	Heard	40	Explosion	Undetermined (assessed as live-fire exercise)	Assessed as anti-tank gun (MT-12 Rapira, 100mm)	14-Nov, 09:37-09:57
	4km NE	Heard	100	Burst	Assessed as live-fire exercise	HMG	14-Nov, 09:37-09:57
1km SSE of Stanytsia Luhanska Bridge (15km NE of Luhansk)	1km SSW	Heard	15	Shot	Assessed as outside the disengagement area	Small arms	14-Nov, 10:48-10:50
3km S of Muratove (government-controlled, 51km NW of Luhansk)	5-6km SSE	Heard	1	Explosion	Impact	N/K	14-Nov, 10:25
	2-3km SSW	Heard	36	Burst		IFV (BMP-2)	14-Nov, 10:29-11:20
3km SSW of Muratove (government-controlled, 51km NW of Luhansk)	5-8km S	Heard	2	Explosion	Undetermined	N/K	14-Nov, 11:03
4km SW of Muratove (government-controlled, 51km NW of Luhansk)	3-4km SSW	Heard	2	Explosion	Outgoing	Assessed as artillery (152mm calibre)	14-Nov, 12:20-12:22

N edge of Kruta Hora (non-government-controlled, 16km NW of Luhansk)	10-20km N	Heard	1	Explosion	Undetermined	N/K	14-Nov, 13:48
Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	4-6km SE	Heard	80	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Nov, 13:45-14:05
	4-6km SE	Heard	200	Burst	Assessed as outside disengagement area	HMG	14-Nov,13:45-14:05

## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</sup>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).