

Table of ceasefire violations as of 7 November 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	6-Nov, 18:54	
	2-4km SSE	Recorded	6	Projectile	In vertical flight	N/K	6-Nov, 19:18	
	1-3km S	Recorded	3	Projectile	NE to SW	N/K	6-Nov, 23:24	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSE	Recorded	1	Projectile	SSE to NNW	N/K	6-Nov, 18:31	
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	6-Nov, 20:38	
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:24	
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	6-Nov, 21:27	
	1-3km SSW	Recorded	1	Explosion	Airburst	N/K	6-Nov, 21:27	
	1-3km S	Recorded	3	Projectile	W to E	N/K	6-Nov, 22:23	
	1-3km S	Recorded	1	Burst	W to E	N/K	6-Nov, 22:23	
	1-3km S	Recorded	1	Projectile	S to N	N/K	6-Nov, 23:18	
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	7-Nov, 02:23	
	2-3km SSW	Recorded	2	Projectile	W to E	N/K	7-Nov, 02:24	
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	7-Nov, 03:34	
	2-3km SSW	Recorded	4	Projectile	NW to SE	N/K	7-Nov, 17:06	
	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 17:06	
	2-3km SSW	Recorded	2	Projectile	E to W	N/K	7-Nov, 17:23	
	2-3km SSW	Recorded	4	Projectile	W to E	N/K	7-Nov, 17:24	
	2-3km SSW	Recorded	1	Projectile	In vertical flight	N/K	7-Nov, 17:51	
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	7-Nov, 18:04	
	SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	3	Projectile	NW to SE	N/K	6-Nov, 18:45
		2-4km ENE	Recorded	2	Projectile	S to N	N/K	6-Nov, 19:07
		2-4km ENE	Recorded	4	Projectile	N to S	N/K	6-Nov, 19:07
2-4km ENE		Recorded	2	Projectile	S to N	N/K	6-Nov, 19:08	
2-4km ENE		Recorded	1	Projectile	N to S	N/K	6-Nov, 19:08	
2-4km ESE		Recorded	1	Projectile	W to E	N/K	6-Nov, 19:11	
2-4km ESE		Recorded	5	Muzzle flash		N/K	6-Nov, 19:14	
2-4km E		Recorded	2	Muzzle flash		N/K	6-Nov, 19:15	
2-4km ESE		Recorded	2	Projectile	S to N	N/K	6-Nov, 19:49	
4-6km ENE		Recorded	1	Projectile	NNW to SSE	N/K	6-Nov, 20:00	
4-6km E		Recorded	2	Projectile	N to S	N/K	6-Nov, 20:02	
4-6km E		Recorded	1	Muzzle flash		N/K	6-Nov, 20:02	
4-6km ENE		Recorded	2	Projectile	S to N	N/K	6-Nov, 20:04	
4-6km ENE		Recorded	4	Projectile	S to N	N/K	6-Nov, 20:30	
4-6km ENE		Recorded	1	Projectile	N to S	N/K	6-Nov, 20:30	
4-6km ENE		Recorded	1	Projectile	S to N	N/K	6-Nov, 20:31	
4-6km ENE		Recorded	3	Projectile	N to S	N/K	6-Nov, 20:31	
4-6km ENE		Recorded	3	Projectile	WNW to ESE	N/K	6-Nov, 20:31	
4-6km ENE		Recorded	2	Projectile	N to S	N/K	6-Nov, 20:32	
4-6km ENE		Recorded	4	Projectile	NW to SE	N/K	6-Nov, 20:33	
4-6km ENE		Recorded	4	Projectile	NNW to SSE	N/K	6-Nov, 20:38	
4-6km ENE		Recorded	7	Projectile	NW to SE	N/K	6-Nov, 20:40	
4-6km ENE		Recorded	3	Projectile	S to N	N/K	6-Nov, 20:49	
4-6km E		Recorded	1	Projectile	N to S	N/K	6-Nov, 20:58	
4-6km ENE		Recorded	2	Projectile	NNW to SSE	N/K	6-Nov, 21:10	
4-6km ESE		Recorded	1	Projectile	WSW to ENE	N/K	6-Nov, 21:15	
4-6km ESE		Recorded	1	Projectile	SW to NE	N/K	6-Nov, 21:19	
4-6km ESE		Recorded	1	Projectile	SW to NE	N/K	6-Nov, 21:21	
4-6km ESE		Recorded	1	Projectile	SW to NE	N/K	6-Nov, 21:24	

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.

4-6km ESE	Recorded	1	Projectile	SSW to NNE	N/K	6-Nov, 21:25
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	6-Nov, 21:47
4-6km ESE	Recorded	1	Projectile	WSW to ENE	N/K	6-Nov, 21:50
4-6km ESE	Recorded	1	Projectile	SW to NE	N/K	6-Nov, 21:57
4-6km ESE	Recorded	1	Projectile	WSW to ENE	N/K	6-Nov, 21:57
4-6km E	Recorded	2	Projectile	N to S	N/K	6-Nov, 22:01
4-6km ENE	Recorded	3	Projectile	NW to SE	N/K	6-Nov, 22:20
4-6km ENE	Recorded	1	Projectile	SW to NE	N/K	6-Nov, 22:20
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 22:21
4-6km ESE	Recorded	1	Projectile	N to S	N/K	6-Nov, 22:22
4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 22:24
4-6km ENE	Recorded	6	Projectile	NW to SE	N/K	6-Nov, 22:29
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	6-Nov, 22:37
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 22:47
4-6km ENE	Recorded	1	Projectile	S to N	N/K	6-Nov, 22:49
4-6km ENE	Recorded	1	Muzzle flash		N/K	6-Nov, 22:49
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 23:40
4-6km ENE	Recorded	4	Projectile	NW to SE	N/K	6-Nov, 23:42
4-6km ENE	Recorded	5	Projectile	NW to SE	N/K	6-Nov, 23:44
4-6km ENE	Recorded	3	Projectile	NW to SE	N/K	6-Nov, 23:45
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 23:47
4-6km ENE	Recorded	4	Projectile	NW to SE	N/K	6-Nov, 23:48
4-6km ENE	Recorded	1	Projectile	S to N	N/K	6-Nov, 23:49
4-6km ENE	Recorded	3	Projectile	NW to SE	N/K	6-Nov, 23:54
4-6km ENE	Recorded	1	Projectile	SE to NW	N/K	6-Nov, 23:54
4-6km ENE	Recorded	3	Projectile	S to N	N/K	6-Nov, 23:57
4-6km ENE	Recorded	2	Projectile	S to N	N/K	6-Nov, 23:59
4-6km E	Recorded	1	Projectile	S to N	N/K	7-Nov, 00:05
4-6km ESE	Recorded	1	Projectile	S to N	N/K	7-Nov, 00:38
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 00:40
4-6km ESE	Recorded	1	Projectile	S to N	N/K	7-Nov, 00:43
4-6km E	Recorded	1	Projectile	N to S	N/K	7-Nov, 00:44
4-6km E	Recorded	2	Explosion	Impact	N/K	7-Nov, 00:44
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 00:45
4-6km E	Recorded	4	Projectile	S to N	N/K	7-Nov, 00:57
4-6km ENE	Recorded	6	Projectile	S to N	N/K	7-Nov, 00:58
4-6km ENE	Recorded	1	Projectile	N to S	N/K	7-Nov, 00:58
4-6km ENE	Recorded	2	Projectile	ENE to WSW	N/K	7-Nov, 00:58
4-6km ENE	Recorded	3	Projectile	S to N	N/K	7-Nov, 00:59
4-6km ENE	Recorded	3	Projectile	S to N	N/K	7-Nov, 01:00
4-6km ENE	Recorded	2	Projectile	N to S	N/K	7-Nov, 01:00
4-6km ENE	Recorded	6	Projectile	N to S	N/K	7-Nov, 01:01
4-6km E	Recorded	5	Projectile	S to N	N/K	7-Nov, 01:01
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	7-Nov, 01:02
4-6km ENE	Recorded	3	Projectile	SE to NW	N/K	7-Nov, 01:02
4-6km ENE	Recorded	7	Projectile	NW to SE	N/K	7-Nov, 01:03
4-6km ENE	Recorded	8	Projectile	SE to NW	N/K	7-Nov, 01:03
4-6km ENE	Recorded	6	Projectile	NW to SE	N/K	7-Nov, 01:08
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	7-Nov, 01:09
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 01:27
4-6km ENE	Recorded	1	Projectile	WNW to ESE	N/K	7-Nov, 01:27
4-6km E	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 01:38
4-6km E	Recorded	2	Projectile	WNW to ESE	N/K	7-Nov, 02:02
4-6km E	Recorded	2	Explosion	Outgoing	N/K	7-Nov, 02:02
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	7-Nov, 02:03
4-6km ENE	Recorded	2	Projectile	SSW to NNE	N/K	7-Nov, 02:28
4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	7-Nov, 02:52
4-6km ENE	Recorded	10	Projectile	NW to SE	N/K	7-Nov, 02:55
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 02:56
4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 02:57
4-6km ENE	Recorded	2	Projectile	W to E	N/K	7-Nov, 03:03
4-6km ENE	Recorded	2	Projectile	W to E	N/K	7-Nov, 03:04
4-6km ENE	Recorded	6	Projectile	W to E	N/K	7-Nov, 03:05
4-6km ENE	Recorded	15	Projectile	SSW to NNE	N/K	7-Nov, 03:06

	4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 03:07
	4-6km ENE	Recorded	5	Projectile	NW to SE	N/K	7-Nov, 03:08
	4-6km ENE	Recorded	1	Projectile	W to E	N/K	7-Nov, 03:08
	4-6km ESE	Recorded	3	Projectile	SSW to NNE	N/K	7-Nov, 03:20
	4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 03:39
	4-6km ENE	Recorded	3	Projectile	NW to SE	N/K	7-Nov, 03:53
	4-6km ENE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 04:20
	4-6km ENE	Recorded	3	Projectile	SW to NE	N/K	7-Nov, 04:45
	4-6km E	Recorded	10	Projectile	SW to NE	N/K	7-Nov, 04:47
	4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	7-Nov, 04:48
	4-6km ENE	Recorded	2	Projectile	In vertical flight	N/K	7-Nov, 04:53
	4-6km ENE	Recorded	2	Projectile	In vertical flight	N/K	7-Nov, 04:59
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	6-Nov, 18:25
	2-4km ENE	Recorded	4	Projectile	NNW to SSE	N/K	6-Nov, 18:26
	2-4km ENE	Recorded	1	Muzzle flash		N/K	6-Nov, 18:26
	2-4km NE	Recorded	4	Projectile	SW to NE	N/K	7-Nov, 00:53
	2-4km NE	Recorded	6	Projectile	W to E	N/K	7-Nov, 00:53
	2-4km NE	Recorded	1	Projectile	SE to NW	N/K	7-Nov, 01:02
	2-4km NE	Recorded	2	Explosion	Undetermined	N/K	7-Nov, 01:49
	2-4km NE	Recorded	2	Projectile	W to E	N/K	7-Nov, 02:45
	2-4km NE	Recorded	1	Projectile	W to E	N/K	7-Nov, 04:04
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 18:20
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	N to S	N/K	6-Nov, 18:28
	0.5-1km E	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:18
	0.5-1km E	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:18
	2-4km E	Recorded	1	Projectile	NNE to SSW	N/K	7-Nov, 17:48
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 17:56
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)							
	1-2km NNE	Recorded	1	Projectile	S to N	N/K	6-Nov, 21:39
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)							
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:11
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	2	Muzzle flash		N/K	6-Nov, 18:32
	2-4km S	Recorded	2	Projectile	E to W	N/K	6-Nov, 18:32
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:19
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:21
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:24
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:25
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 21:37
	1-2km S	Recorded	7	Projectile	NW to SE	N/K	7-Nov, 00:54
	1-2km S	Recorded	19	Projectile	NW to SE	N/K	7-Nov, 01:10
	1-2km S	Recorded	3	Projectile	NW to SE	N/K	7-Nov, 01:39
	1-2km S	Recorded	16	Projectile	NW to SE	N/K	7-Nov, 02:45
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	13	Burst		Small arms	7-Nov, 08:55-09:10
	2-3km SE	Heard	6	Burst		HMG	7-Nov, 09:21
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	7-Nov, 09:22
	2-3km SE	Heard	4	Burst		HMG	7-Nov, 09:22
	2-3km SE	Heard	10	Burst		HMG	7-Nov, 09:35
	2-3km SE	Heard	5	Explosion	Undetermined	N/K	7-Nov, 09:36-09:38
	2-3km SE	Heard	16	Burst		Small arms	7-Nov, 09:36-09:38
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	7-Nov, 09:52-

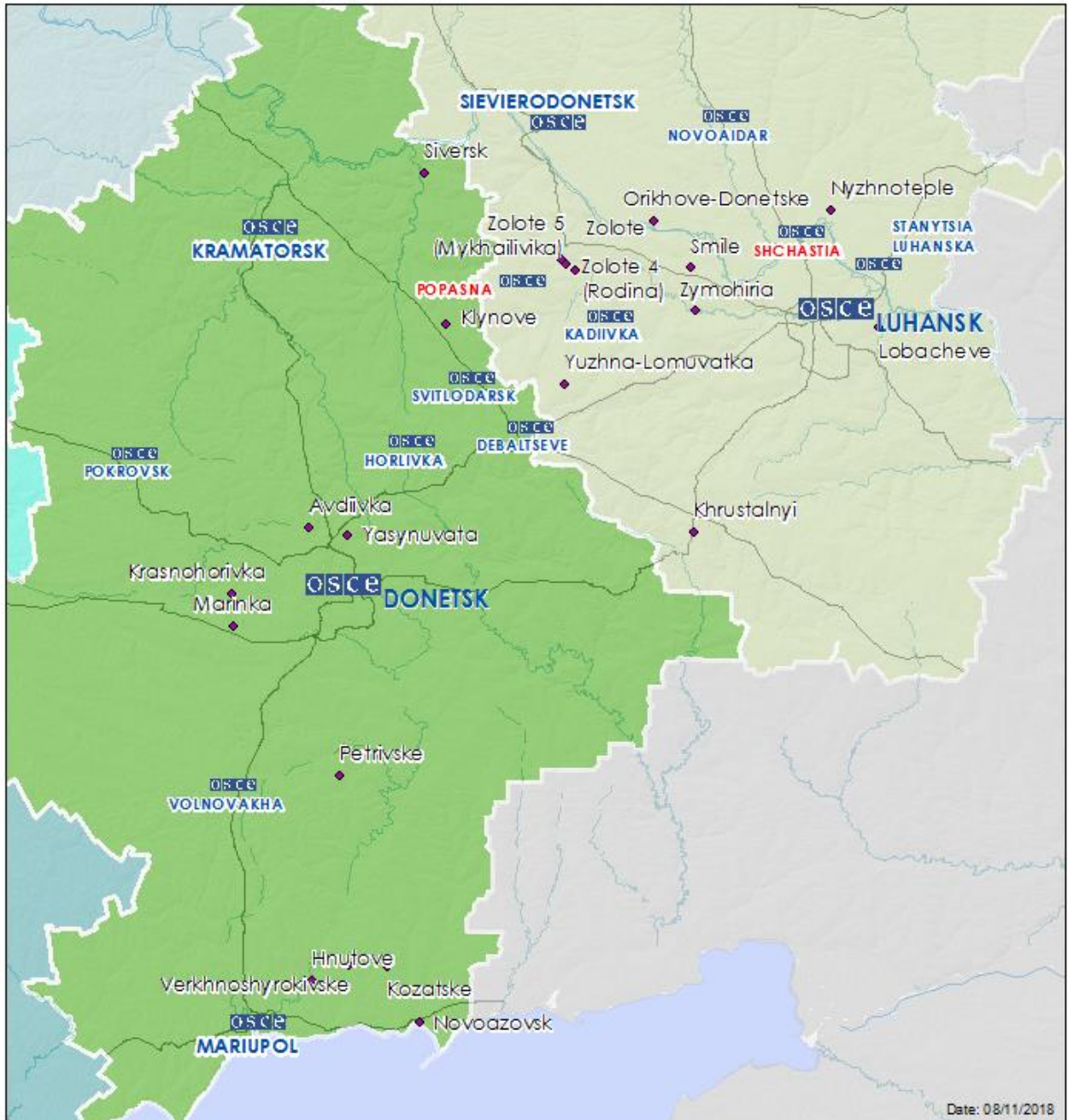
							09:53
	2-3km SE	Heard	12	Burst		HMG	7-Nov, 09:52-09:53
	2-3km SE	Heard	10	Burst		Small arms	7-Nov, 10:30
	2-3km SE	Heard	12	Shot		Small arms	7-Nov, 10:46
	2-3km SE	Heard	10	Burst		Small arms	7-Nov, 10:53
	2-3km ESE	Heard	8	Burst		HMG	7-Nov, 11:02
	2-3km SE	Heard	6	Burst		HMG	7-Nov, 11:29
	1-2km SE	Heard	15	Shot		Small arms	7-Nov, 11:34
	2-3km SE	Heard	5	Burst		HMG	7-Nov, 11:47
	2-3km S	Heard	50	Burst		Small arms	7-Nov, 11:53
	1-2km S	Heard	70	Burst		Small arms	7-Nov, 12:07-12:10
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 12:11
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-3km SW	Heard		Shot and burst	Uncountable, overlapping	Small arms	7-Nov, 09:35-09:45
	2-4km SW	Heard	5	Explosion	Undetermined	N/K	7-Nov, 09:52-09:55
	2-3km SW	Heard	96	Shot		Small arms	7-Nov, 10:26-10:59
	2-3km SW	Heard	13	Burst		HMG	7-Nov, 10:26-10:59
	2-3km SW	Heard	10	Shot		HMG	7-Nov, 11:30
	2-3km WSW	Heard	7	Shot		Small arms	7-Nov, 12:30-12:34
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 12:50
	2-3km SW	Heard	3	Shot		HMG	7-Nov, 12:59-13:04
	4-5km N	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:05
	1-2km SW	Heard	5	Shot		HMG	7-Nov, 13:05-13:13
	1-2km SW	Heard	9	Shot		Small arms	7-Nov, 13:13
	1-2km S	Heard	11	Shot		HMG	7-Nov, 13:23-13:44
	1-2km N	Heard	2	Shot		HMG	7-Nov, 13:46-13:48
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-4km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 12:22
1 km NNW of entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	1	Burst		HMG	7-Nov, 09:45
	N/K NE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 10:48
2km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K ESE	Heard	7	Shot		Small arms	7-Nov, 13:35
	N/K ESE	Heard	46	Shot		Small arms	7-Nov, 13:38-13:48
	N/K ESE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:38-13:48
	3km ESE	Heard	4	Shot	Outgoing	AGL	7-Nov, 13:38-13:48
	4km ESE	Heard	4	Explosion	Impact	AGL	7-Nov, 13:38-13:48

	N/K NNE	Heard	3	Shot		Small arms	7-Nov, 13:58
	3km E	Heard and saw	1	Explosion		N/K	7-Nov, 14:24
Pavlopil (government-controlled, 15km NE of Mariupol)	N/K NE	Heard	23	Shot		Small arms	7-Nov, 11:51-11:58
	N/K NE	Heard	5	Burst		Small arms	7-Nov, 11:51-11:58
	N/K NE	Heard	21	Shot		Small arms	7-Nov, 12:03-12:15
	N/K NE	Heard	78	Burst		Small arms	7-Nov, 12:03-12:15
	N/K NE	Heard	2	Shot		N/K	7-Nov, 12:03-12:15
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-8km SW	Heard	1	Explosion	Undetermined	N/K	6-Nov, 19:02
NW edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	2km SE	Heard	1	Shot		Small arms	7-Nov, 08:25
	2km SE	Heard	10	Shot		Small arms	7-Nov, 08:30
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km SE	Heard	2	Burst		Small arms	6-Nov, 18:38
	2-4km SE	Heard	17	Shot		Small arms	6-Nov, 18:40
	2-4km SE	Heard	10	Burst		HMG	6-Nov, 18:41-18:44
	4-6km SE	Heard	11	Burst		Small arms	6-Nov, 18:41-18:44
	2-4km SE	Heard	4	Burst		Small arms	6-Nov, 18:57
	2-4km SE	Heard	5	Burst		Small arms	6-Nov, 19:29-19:30
	3-5km S	Heard	6	Burst		Small arms	6-Nov, 21:14
	2-4km ESE	Heard	6	Shot		Small arms	6-Nov, 21:49
	4-5km SE	Heard	11	Burst		Small arms	6-Nov, 22:36-22:39
	4-5km SE	Heard	4	Burst		Small arms	6-Nov, 23:02
	4-5km SE	Heard	14	Burst		Small arms	6-Nov, 23:08-23:09
	2-3km SE	Heard	4	Burst		Small arms	6-Nov, 23:21
	4-5km SE	Heard	5	Burst		Small arms	6-Nov, 23:40
	4-5km SE	Heard	12	Burst		Small arms	6-Nov, 23:48-23:49
	4-6km SE	Heard	3	Burst		Small arms	7-Nov, 08:23
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	7-Nov, 08:47-08:48
	4-6km SE	Heard	8	Burst		Small arms	7-Nov, 08:48-08:49
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	7-Nov, 08:58
	2-4km SE	Heard	4	Burst		Small arms	7-Nov, 09:11
	2-3km SE	Heard	4	Burst		Small arms	7-Nov, 10:56
3-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 11:31	
5-7km SW	Heard	9	Burst		Small arms	7-Nov, 12:18-12:19	

	5-7km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:21	
	5-7km SW	Heard	64	Explosion	Undetermined	N/K	7-Nov, 17:20-17:30	
	2-3km SE	Heard	43	Burst		Small arms	7-Nov, 17:32-17:40	
E edge of Kamianka (government-controlled, 20km N of Donetsk)	3-4km SE	Heard	2	Burst		HMG	7-Nov, 09:21	
	3-4km SE	Heard	5	Burst		HMG	7-Nov, 09:34-09:36	
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 09:34-09:36	
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 09:38	
	3-4km SE	Heard	2	Burst		HMG	7-Nov, 09:38	
							IFV (BMP-2) cannon (30mm)	
	3-4km SW	Heard	2	Shot			7-Nov, 09:52	
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Projectile	ESE to WNW	N/K	6-Nov, 18:38	
	3-5km SW	Recorded	3	Explosion	Undetermined	N/K	6-Nov, 23:11	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)								
	3-5km NE	Recorded	8	Burst		N/K	7-Nov, 18:01	
0.5km N of Orikhove (government-controlled, 57km NW of Luhansk)	7-10km NE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 11:00	
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	7-Nov, 11:12-11:19	
Zolote-4/Rodina (government-controlled, 59km W of Luhansk)	3-5km SSE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Nov, 11:01	
	1-2km SSE	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	7-Nov, 11:20	
S edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	3-5km NNW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 11:09	
Obozne (non-government-controlled, 18km N of Luhansk)	25-30km NW	Heard	7	Explosion	Undetermined	N/K	7-Nov, 11:12-11:47	
2.4km S of Muratove (government-controlled, 51km NW of Luhansk)	2-3km SW	Heard	3	Shot		Small arms	7-Nov, 11:41	
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 11:47	
E edge of Shchastia (government-controlled, 20km N of Luhansk)	1-2km SSE	Heard	4	Explosion	Undetermined	N/K	7-Nov, 12:21-12:27	
	2-3km SW	Heard	38	Explosion	Undetermined	N/K	7-Nov, 12:30-12:50	
	2-3km SW	Heard	50	Burst		HMG	7-Nov, 12:30-12:50	
3.6km E of Orikhove-Donetske (government-	7-10km SE	Heard	43	Explosion	Undetermined	N/K	7-Nov, 12:25-13:10	
	8-10km E	Heard	19	Explosion	Undetermined	N/K	7-Nov, 12:25-13:10	

controlled, 44km NW of Luhansk)	5-6km SW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 12:25-13:10
	3-5km S	Heard	4	Shot		Small arms	7-Nov, 13:00
	300-500m S	Heard	15	Shot and burst		IFV (BMP-2) cannon (30mm)	7-Nov, 13:00
Vesela Hora (non-government-controlled, 16km N of Luhansk)	1-2km W	Heard		Burst	Uncountable	Small arms	7-Nov, 12:29-12:39
	1-2km W	Heard		Burst	Uncountable	HMG	7-Nov, 12:29-12:39
	1-2km W	Heard		Explosion	Outgoing and impact, uncountable	N/K	7-Nov, 12:29-12:39
	1-2km E	Heard		Burst	Uncountable	Small arms	7-Nov, 12:29-12:39
	1-2km E	Heard		Burst	Uncountable	HMG	7-Nov, 12:29-12:39
	1-2km E	Heard		Explosion	Outgoing and impact, uncountable	N/K	7-Nov, 12:29-12:39
	1-2km E	Heard		Explosion	Undetermined	N/K	7-Nov, 12:42-12:54
N edge of Smile (non-government-controlled, 31km NW of Luhansk)	6-8km NE	Heard	16	Explosion	Undetermined	N/K	7-Nov, 12:42-12:54
	6-8km NW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:42-12:54
NE edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3-5km WSW	Heard	9	Shot		Small arms	7-Nov, 13:04-13:07

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).