

Table of ceasefire violations as of 9 December 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	7-Dec, 20:01
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	7-Dec, 20:02
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 20:59
	1-3km SSE	Recorded	5	Projectile	ENE to WSW	N/K	7-Dec, 21:16
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 21:26
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	7-Dec, 22:24
	1-3km SSE	Recorded	2	Projectile	ESE to WNW	N/K	7-Dec, 22:24
	1-3km SSE	Recorded	5	Projectile	ENE to WSW	N/K	7-Dec, 22:25
	1-3km SSE	Recorded	7	Projectile	ENE to WSW	N/K	7-Dec, 23:50
	6-9km SSE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 00:03
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	8-Dec, 00:38
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	8-Dec, 00:39
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	8-Dec, 01:23
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	8-Dec, 01:24
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	8-Dec, 01:26
	1-3km SSE	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 01:26
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	8-Dec, 03:19
	1-3km SE	Recorded	9	Projectile	ENE to WSW	N/K	8-Dec, 04:04
	1-3km SE	Recorded	2	Projectile	WSW to ENE	N/K	8-Dec, 04:04
	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	8-Dec, 04:05
	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	8-Dec, 04:06
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 04:19
	1-3km SE	Recorded	8	Projectile	ENE to WSW	N/K	8-Dec, 04:19
1-3km SE	Recorded	9	Projectile	ENE to WSW	N/K	8-Dec, 05:14	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	2	Projectile	W to E	N/K	7-Dec, 18:41
	1-2km SSW	Recorded	4	Projectile	E to W	N/K	7-Dec, 18:59
	1-2km SSW	Recorded	1	Projectile	SSE to NNW	N/K	7-Dec, 19:09
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	7-Dec, 19:09
	1-2km SSW	Recorded	4	Projectile	SSE to NNW	N/K	7-Dec, 19:10
	1-2km S	Recorded	1	Projectile	SSE to NNW	N/K	7-Dec, 19:33
	0-1km S	Recorded	5	Projectile	E to W	N/K	7-Dec, 19:56
	0-1km S	Recorded	4	Projectile	E to W	N/K	7-Dec, 21:03
	0-1km S	Recorded	3	Projectile	E to W	N/K	8-Dec, 00:39
	0-1km S	Recorded	1	Projectile	E to W	N/K	8-Dec, 00:58
	0-1km S	Recorded	1	Projectile	E to W	N/K	8-Dec, 01:47
	0-1km S	Recorded	1	Projectile	E to W	N/K	8-Dec, 04:08
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 05:30
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 16:52
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	8-Dec, 17:01
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	8-Dec, 17:06
	1-2km SSW	Recorded	1	Explosion	Impact	N/K	8-Dec, 17:14
	1-2km S	Recorded	2	Projectile	E to W	N/K	8-Dec, 17:23
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 16:52
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	8-Dec, 17:01
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	8-Dec, 17:06
	1-2km SSW	Recorded	1	Explosion	Impact	N/K	8-Dec, 17:14
	1-2km S	Recorded	2	Projectile	E to W	N/K	8-Dec, 17:23
	1-2km SSW	Recorded	4	Projectile	E to W	N/K	8-Dec, 17:44
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 17:44

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.

	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 17:46
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	8-Dec, 17:47
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-3km E	Recorded	5	Projectile	N to S	N/K	7-Dec, 18:32
	1-3km E	Recorded	1	Projectile	S to N (in vertical flight)	N/K	7-Dec, 18:32
	1-3km E	Recorded	1	Projectile	N to S	N/K	7-Dec, 18:33
	1-3km E	Recorded	5	Projectile	N to S	N/K	7-Dec, 18:39
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	7-Dec, 20:42
	2-4km ESE	Recorded	6	Projectile	SW to NE	N/K	7-Dec, 22:29
	2-4km ESE	Recorded	9	Projectile	SW to NE	N/K	7-Dec, 22:30
	2-4km E	Recorded	6	Projectile	SW to NE	N/K	7-Dec, 22:44
	2-4km ENE	Recorded	8	Projectile	NW to SE	N/K	7-Dec, 22:45
	2-4km E	Recorded	22	Projectile	SW to NE	N/K	7-Dec, 23:08
	2-4km E	Recorded	12	Projectile	SW to NE	N/K	7-Dec, 23:09
	2-4km E	Recorded	7	Projectile	SW to NE	N/K	7-Dec, 23:10
	2-4km E	Recorded	1	Projectile	SW to NE	N/K	7-Dec, 23:16
	2-4km ESE	Recorded	4	Projectile	NW to SE	N/K	7-Dec, 23:18
	2-4km E	Recorded	9	Projectile	SW to NE	N/K	7-Dec, 23:21
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 23:23
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 23:32
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	7-Dec, 23:38
	2-4km E	Recorded	5	Projectile	NW to SE	N/K	7-Dec, 23:42
	2-4km E	Recorded	4	Projectile	NW to SE	N/K	7-Dec, 23:54
2-4km E	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 00:03	
2-4km E	Recorded	17	Projectile	NW to SE	N/K	8-Dec, 04:33	
2-4km E	Recorded	4	Projectile	N to S	N/K	8-Dec, 17:44	
2-4km ESE	Recorded	2	Projectile	N to S	N/K	8-Dec, 17:49	
2-4km ESE	Recorded	2	Projectile	N to S	N/K	8-Dec, 17:50	
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 20:56
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NE	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 00:27
	1-3km NE	Recorded	6	Projectile	E to W	N/K	8-Dec, 02:33
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	1.5-2km S	Recorded	3	Explosion	Undetermined	N/K	7-Dec, 23:38
	2-4km SE	Recorded	1	Projectile	E to W	N/K	8-Dec, 17:50
	2-4km SSE	Recorded	7	Projectile	In vertical flight	N/K	8-Dec, 18:03
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	8-Dec, 18:03
7.5km NW of Makiivka (non-government-controlled, 12km NE of Donetsk)	2-4km W	Heard	12	Burst		Small arms	8-Dec, 10:00
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SSW	Heard	1	Shot		Small arms	8-Dec, 10:40
	0.5-1km NW	Heard	4	Shot		Small arms	8-Dec, 10:40-10:42
	0.5-1km NNW	Heard	32	Shot		Small arms	8-Dec, 10:45-11:06
	0.5-1km NNW	Heard	5	Burst		Small arms	8-Dec, 10:48-10:53

	0.5-1km NNW	Heard	5	Shot		HMG	8-Dec, 11:04
	0.5-1km NNW	Heard	7	Explosion	Outgoing	Cannon 30mm	8-Dec, 12:43-12:44
	1-2km SW	Heard	20	Shot		Small arms	8-Dec, 12:52-12:55
	1-2km SW	Heard	1	Explosion	Outgoing	Mortar (type N/K)	8-Dec, 12:55
	0.5-1km NNW	Heard	4	Explosion	Outgoing	Cannon 30mm	8-Dec, 12:57
	1-2km SW	Heard	24	Shot		Small arms	8-Dec, 13:09-13:34
	1-2km WSW	Heard	23	Shot		Small arms	8-Dec, 13:12-13:22
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 13:49
	500-800m SW	Heard	19	Shot		Small arms	8-Dec, 14:05-14:13
	1-2km SW	Heard		Burst	Uncountable	Small arms	8-Dec, 14:33
Central railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 13:46
2km SE of Lebedynske (government controlled, 16km NE of Mariupol)	N/K ESE	Heard	7	Shot		Small arms	8-Dec, 12:26
	2-3km NE	Heard	2	Explosion	Undetermined	N/K	8-Dec, 12:43
	1-2km SE	Heard	1	Explosion	Outgoing	Mortar (type N/K)	8-Dec, 12:55
	1-3km NE	Heard	1	Explosion	Outgoing	Mortar (type N/K)	8-Dec, 12:55
	2-3km NE	Heard	2	Explosion	Undetermined	N/K	8-Dec, 12:57-12:58
	2-3km NE	Heard	2	Explosion	Outgoing	Mortar (type N/K)	8-Dec, 13:02
3km SW of Chermalyk (government controlled, 31km NE of Mariupol)	2-4km E	Heard	1	Explosion	Undetermined	N/K	8-Dec, 12:13
SE edge of Bila Hora (government-controlled, 54km N of Donetsk)	400-500m NNE	Heard	12	Shot		Small arms	8-Dec, 11:38-11:39
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km SW	Heard	7	Explosion	Undetermined	N/K	8-Dec, 15:37-15:55
Dachne (non-government-controlled, 47km W of Luhansk)	2-2.5km W	Heard	1	Shot		HMG	8-Dec, 10:50
	2-2.5km W	Heard	1	Burst		HMG	8-Dec, 10:54
	2km NNE	Heard	1	Burst		HMG	8-Dec, 11:05
Sentianivka (formerly	5-6km WNW	Heard	6	Burst		HMG	8-Dec, 10:55-11:06

Frunze, non-government-controlled, 44km W of Luhansk)	5-6km WNW	Heard	2	Shot		Small arms	8-Dec, 10:55-11:06
W outskirts of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-4km SW	Heard	9	Burst		HMG	8-Dec, 13:09-13:14
1km N of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3-4km SW	Heard	2	Burst		HMG	8-Dec, 13:09-13:14
	7-10km W	Heard	1	Explosion	Undetermined	N/K	8-Dec, 13:45-13:46
SW outskirts of Molodizhne (non-government-controlled, 63km NW of Luhansk)	2-4km S	Heard	2	Shot		Small arms	8-Dec, 14:10
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 05:34
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Explosion		N/K	8-Dec, 22:44
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-4km SE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 23:16
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	3	Projectile	E to W	N/K	8-Dec, 20:23
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 22:26
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	8-Dec, 22:55
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	8-Dec, 22:56
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	8-Dec, 23:12
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	9-Dec, 00:01
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	9-Dec, 00:10
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	9-Dec, 00:33
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	9-Dec, 01:01
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	9-Dec, 03:02
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	9-Dec, 03:03
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	9-Dec, 03:04
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	9-Dec, 03:33
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 04:49
	2-4km S	Recorded	1	Burst	In vertical flight	N/K	9-Dec, 05:18
2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	9-Dec, 05:31	
2-4km SSE	Recorded	4	Projectile	WNW to ESE	N/K	9-Dec, 16:46	
2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	9-Dec, 16:46	
2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	9-Dec, 16:51	
SMM camera at	1-2km SSW	Recorded	2	Projectile	E to W	N/K	8-Dec, 18:57

Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	10	Projectile	E to W	N/K	8-Dec, 20:01
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 20:30
	1-3km SSW	Recorded	3	Projectile	E to W	N/K	8-Dec, 20:39
	1-3km SSW	Recorded	7	Projectile	NW to SE	N/K	8-Dec, 21:29
	1-3km SSW	Recorded	5	Projectile	NW to SE	N/K	8-Dec, 21:32
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	8-Dec, 21:45
	1-3km SSW	Recorded	1	Projectile	NE to SW	N/K	8-Dec, 21:49
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	8-Dec, 21:57
	1-3km SSW	Recorded	1	Projectile	NE to SW	N/K	8-Dec, 22:02
	1-3km SSW	Recorded	2	Projectile	NNE to SSW	N/K	8-Dec, 22:03
	1-3km SSW	Recorded	3	Projectile	ENE to WSW	N/K	8-Dec, 22:03
	1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 22:44
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 22:48
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 22:49
	1-3km SSW	Recorded	7	Projectile	NW to SE	N/K	8-Dec, 22:53
	1-3km SSW	Recorded	1	Projectile		N/K	8-Dec, 23:27
	1-3km SSW	Recorded	2	Projectile	E to W	N/K	9-Dec, 00:55
	1-3km S	Recorded	1	Projectile	ENE to WSW	N/K	9-Dec, 00:58
	1-3km S	Recorded	1	Projectile	ENE to WSW	N/K	9-Dec, 01:28
	1-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	9-Dec, 01:51
	1-3km SSW	Recorded	3	Projectile	ENE to WSW	N/K	9-Dec, 01:58
	1-3km SSW	Recorded	2	Projectile	WNW to ESE	N/K	9-Dec, 01:59
	1-2km S	Recorded	3	Projectile	SSE to NNW	N/K	9-Dec, 03:21
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	9-Dec, 03:35
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	9-Dec, 04:38
	1-3km S	Recorded	1	Projectile	E to W	N/K	9-Dec, 04:46
	1-3km S	Recorded	1	Projectile	NE to SW	N/K	9-Dec, 04:46
	1-3km SSW	Recorded	1	Projectile	NE to SW	N/K	9-Dec, 05:30
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	9-Dec, 05:30
	2-3km SSW	Recorded	1	Projectile	SE to NW	N/K	9-Dec, 16:57
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 17:00
	1-3km SSE	Recorded	1	Projectile	SW to NE	N/K	9-Dec, 17:38
	SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	8	Projectile	N to S	N/K
2-4km ESE		Recorded	2	Projectile	N to S	N/K	8-Dec, 19:11
2-4km ENE		Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 19:15
2-4km ENE		Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 19:16
2-4km ENE		Recorded	1	Projectile	In vertical flight	N/K	8-Dec, 19:16
2-4km ENE		Recorded	2	Projectile	N to S	N/K	8-Dec, 19:17
2-4km ENE		Recorded	2	Explosion	Undetermined	N/K	8-Dec, 19:17
2-4km ENE		Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 19:18
2-4km ENE		Recorded	2	Projectile	N to S	N/K	8-Dec, 19:33
2-4km ENE		Recorded	2	Muzzle flash		N/K	8-Dec, 19:33
2-4km ENE		Recorded	1	Explosion	Impact	N/K	8-Dec, 19:33
2-4km ESE		Recorded	1	Projectile	S to N	N/K	8-Dec, 19:34
2-4km E		Recorded	3	Projectile	SW to NE	N/K	8-Dec, 20:31
2-4km E		Recorded	3	Projectile	SW to NE	N/K	8-Dec, 20:34
2-4km ESE		Recorded	2	Projectile	SW to NE	N/K	8-Dec, 20:41
2-4km E		Recorded	2	Projectile	NW to SE	N/K	8-Dec, 20:58
2-4km E		Recorded	5	Projectile	NW to SE	N/K	8-Dec, 22:22
2-4km E		Recorded	1	Illumination flare		N/K	8-Dec, 22:26
2-4km E		Recorded	1	Projectile	In vertical flight	N/K	8-Dec, 22:38
2-4km ESE		Recorded	2	Projectile	NW to SE	N/K	8-Dec, 22:50
2-4km E		Recorded	17	Projectile	NW to SE	N/K	8-Dec, 23:56
2-4km ESE		Recorded	1	Projectile	SW to NE	N/K	9-Dec, 00:41
2-4km E		Recorded	2	Projectile	SW to NE	N/K	9-Dec, 00:45
2-4km E		Recorded	1	Projectile	SW to NE	N/K	9-Dec, 01:08
2-4km ESE		Recorded	1	Illumination flare		N/K	9-Dec, 01:29
2-4km ESE		Recorded	1	Projectile	SW to NE	N/K	9-Dec, 02:44
2-4km E		Recorded	4	Projectile	SW to NE	N/K	9-Dec, 03:29

	1-3km E	Recorded	4	Projectile	S to N	N/K	9-Dec, 03:49
	1-3km E	Recorded	5	Projectile	S to N	N/K	9-Dec, 03:50
	1-3km ESE	Recorded	1	Projectile	S to N	N/K	9-Dec, 03:50
	1-3km ESE	Recorded	2	Projectile	S to N	N/K	9-Dec, 04:05
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 04:49
	2-4km E	Recorded	9	Explosion	Undetermined	N/K	9-Dec, 04:52
	2-4km E	Recorded	1	Projectile	N to S	N/K	9-Dec, 04:52
	2-4km E	Recorded	1	Projectile	N to S	N/K	9-Dec, 04:53
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	9-Dec, 04:59
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	9-Dec, 04:59
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	9-Dec, 05:04
	2-4km E	Recorded	1	Illumination flare		N/K	9-Dec, 05:17
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	9-Dec, 05:31
	2-4km E	Recorded	3	Projectile	N to S	N/K	9-Dec, 17:31
	2-4km E	Recorded	1	Projectile	N to S	N/K	9-Dec, 17:53
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Illumination flare		N/K	9-Dec, 01:29
	2-4km NNE	Recorded	1	Illumination flare		N/K	9-Dec, 05:17
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Muzzle flash		N/K	8-Dec, 19:50
	1-3km E	Recorded	1	Projectile	N to S	N/K	8-Dec, 19:50
	1-3km ENE	Recorded	1	Projectile	S to N	N/K	8-Dec, 20:17
	1-3km ENE	Recorded	1	Projectile	In vertical flight	N/K	8-Dec, 20:17
	1-3km ENE	Recorded	4	Explosion		N/K	9-Dec, 05:11
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 18:53
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 18:55
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	8-Dec, 19:00
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 19:12
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 19:13
	2-4km NNE	Recorded	2	Explosion	Impact	N/K	8-Dec, 19:14
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	8-Dec, 19:14
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	8-Dec, 19:15
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 19:16
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NE	Recorded	4	Projectile	In vertical flight	N/K	8-Dec, 22:13
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	4	Projectile	NE to SW	N/K	8-Dec, 18:55
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	8-Dec, 18:56
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 18:56
	2-4km SSE	Recorded	10	Projectile	NE to SW	N/K	8-Dec, 19:09
	1-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	8-Dec, 22:26
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	9-Dec, 01:29
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 04:49
	1-3km SSE	Recorded	2	Muzzle flash		N/K	9-Dec, 04:52
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 04:53
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	9-Dec, 17:19
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	3	Projectile	NW to SE	N/K	8-Dec, 18:41
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 18:50
	2-4km ESE	Recorded	3	Projectile	S to N	N/K	8-Dec, 18:52
	3-4km ESE	Recorded	9	Projectile	S to N	N/K	8-Dec, 21:22
	3-4km E	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 21:37
	3-4km E	Recorded	2	Projectile	N to S	N/K	8-Dec, 21:39

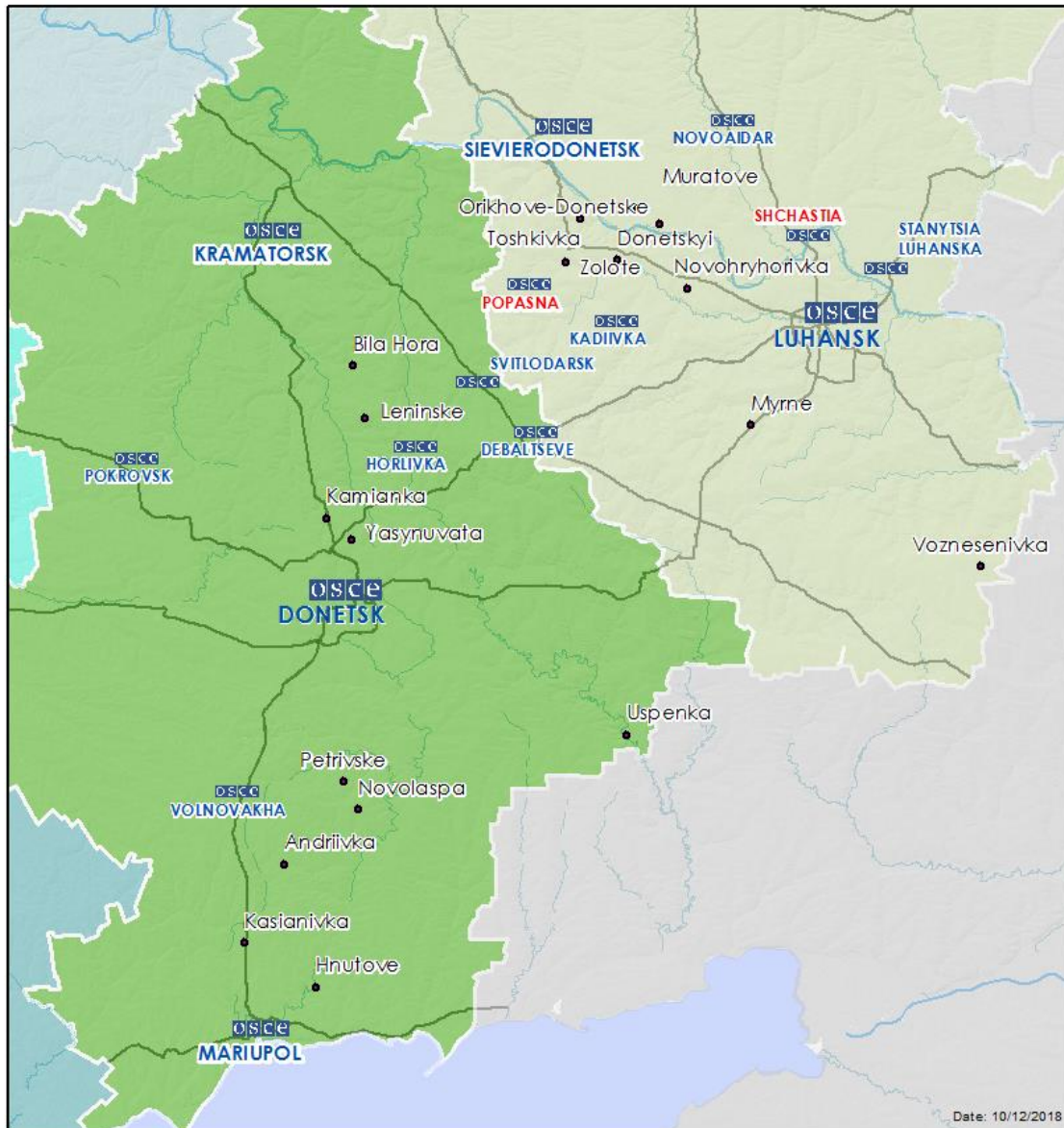
	3-4km E	Recorded	4	Projectile	S to N	N/K	8-Dec, 22:06
	3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 22:21
	3-4km E	Recorded	2	Projectile	N to S	N/K	8-Dec, 22:26
	3-4km ESE	Recorded	5	Projectile	S to N	N/K	8-Dec, 22:27
	3-4km ESE	Recorded	2	Projectile	N to S	N/K	8-Dec, 22:27
	3-4km ESE	Recorded	3	Projectile	S to N	N/K	8-Dec, 22:32
	3-4km E	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 23:02
	3-4km E	Recorded	1	Projectile	S to N	N/K	8-Dec, 23:22
	3-4km E	Recorded	7	Projectile	S to N	N/K	9-Dec, 04:30
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	4	Explosion	Undetermined	N/K	9-Dec, 11:20-11:23
	2-3km SE	Heard	7	Burst		HMG	9-Dec, 11:20-11:23
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	9-Dec, 12:20-12:42
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	2-4km SW	Heard	23	Shot		Small arms	9-Dec, 09:18-09:24
	2-4km SW	Heard	2	Burst		Small arms	9-Dec, 09:18-09:24
	2-4km SW	Heard	32	Shot		Small arms	9-Dec, 09:27-09:31
	2-4km SW	Heard	58	Shot		Small arms	9-Dec, 09:36-09:45
	2-4km SW	Heard	3	Burst		Small arms	9-Dec, 09:36-09:45
3.5km NE of Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city centre)	2-3km NW	Heard	7	Burst		HMG	9-Dec, 10:50-10:53
3km WSW of central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk)	1-2km SE	Heard	60	Shot		Small arms	9-Dec, 12:25-12:37
Petrivske (non-government-controlled, 41km S of Donetsk)	2-2.5km SSE	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	9-Dec, 12:43-12:50
	2-2.5km SSE	Heard	21	Burst	Assessed as outside the disengagement area	Small arms	9-Dec, 12:35-13:05
	2-3km SSE	Heard	12	Shot	Assessed as outside the disengagement area	Small arms	9-Dec, 13:10-13:20
	2-3km SSE	Heard	5	Burst	Assessed as outside the disengagement area	Small arms	9-Dec, 13:10-13:20
1km ENE of Yasnobrodivka (government-controlled, 25km NW of Donetsk)	1-2km W	Heard	3	Shot		Small arms	9-Dec, 10:38
1km NW of railway station in Yasynuvata	4-6km SW	Heard	5	Burst		HMG	9-Dec, 09:09
	1-2km SW	Heard	10	Burst		Small arms	9-Dec, 09:14

(non-government-controlled, 16km NE of Donetsk)	1.5-2km SW	Heard	14	Burst		Small arms	9-Dec, 09:45-10:17
	2km SW	Heard	4	Shot		Small arms	9-Dec, 13:10-13:20
Entry-exit checkpoint near Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	4	Explosion	Undetermined	N/K	9-Dec, 09:50
1km NNW of entry-exit checkpoint near Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	4	Explosion	Undetermined	N/K	9-Dec, 10:02-10:10
	N/K NE	Heard	2	Explosion	Undetermined	N/K	9-Dec, 10:15
Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SE	Heard	7	Shot		Small arms	9-Dec, 10:25-10:35
	N/K SE	Heard	2	Explosion	Undetermined	N/K	9-Dec, 10:25-10:35
Orlivske (government-controlled, 23km NE of Mariupol)	N/K E	Heard	4	Explosion	Undetermined	N/K	9-Dec, 11:08-11:15
Talakivka (government-controlled, 17km NE of Mariupol)	N/K SE	Heard	1	Burst		Small arms	9-Dec, 12:06
2km SE of Lebedynske (government-controlled, 16km north-east of Mariupol)	N/K NNE	Heard	22	Shot		Small arms	9-Dec, 13:45-13:50
	N/K NNE	Heard	1	Burst		Small arms	9-Dec, 13:45-13:50
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SW	Heard	3	Shot		Small arms	8-Dec, 18:50
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 18:54
	4-5km SW	Heard	8	Explosion	Undetermined	N/K	8-Dec, 19:52-20:45
	2-3km SW	Heard	10	Shot		Small arms	8-Dec, 20:46
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 20:52
	2-3km SW	Heard	4	Shot		Small arms	8-Dec, 20:54
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 20:57
	4-5km SW	Heard	10	Explosion	Undetermined	N/K	8-Dec, 21:16-21:30
	3-4km SW	Heard	5	Burst		Cannon (30mm)	9-Dec, 14:10-14:20
	4-5km SW	Heard	27	Burst		HMG	9-Dec, 14:10-14:20
	4-5km SW	Heard	3	Explosion	Impact	N/K	9-Dec, 14:24
	4-5km S	Heard	1	Explosion	Undetermined	N/K	9-Dec, 14:27
	4-5km S	Heard	7	Explosion	Undetermined	N/K	9-Dec, 15:02
	4-5km S	Heard	70	Burst		HMG	9-Dec, 16:30-17:10
4-5km S	Heard	35	Explosion	Undetermined	N/K	9-Dec, 16:30-17:10	
4-5km SW	Heard	153	Burst		HMG	9-Dec,	

							17:30-18:20
	4-5km SW	Heard	78	Explosion	Undetermined	N/K	9-Dec, 17:30-18:20
	5-7km S	Heard	35	Explosion	Undetermined	N/K	9-Dec, 17:30-18:20
	5-7km S	Heard	54	Burst		HMG	9-Dec, 17:30-18:20
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 19:24
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 19:25
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	1km SW	Heard	7	Shot		Small arms	9-Dec, 09:30-09:35
	2-3km S	Heard	3	Burst		Small arms	9-Dec, 14:25-14:26
E edge of Popasna (government-controlled, 69km W of Luhansk)	1.5-2km SSW	Heard	2	Shot		Small arms	9-Dec, 09:30-09:31
N edge of Orikhove (government-controlled, 57km NW of Luhansk)	2-3km S	Heard	9	Burst		Small arms	9-Dec, 10:48-11:40
	2-3km S	Heard	46	Shot		Cannon (30mm)	9-Dec, 10:48-11:40
	2-3km S	Heard	37	Explosion	Outgoing and impact	Recoilless gun (SPG-9, 73mm)	9-Dec, 10:48-11:40
1km E of Toshkivka (government-controlled, 60km NW of Luhansk)	5-7km SSE	Heard	128	Explosion	Undetermined	Artillery (type N/K)	9-Dec, 11:00-12:20
	5-7km SSE	Heard	4	Burst		Cannon (30mm)	9-Dec, 11:00-12:20
	5-7km SSE	Heard	5	Burst		HMG	9-Dec, 11:00-12:20
E edge of Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	3-7km SE	Heard	36	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	9-Dec, 11:05-11:27
W edge of Smile (non-government controlled, 31km NW of Luhansk)	10km WNW	Heard	35	Explosion	Undetermined	N/K	9-Dec, 11:11-11:34
W edge of Muratove (government-controlled, 51km NW of Luhansk)	8-10km SSW	Heard	58	Explosion	Undetermined	N/K	9-Dec, 11:00-11:28
2km S of Muratove (government-controlled, 51km NW of Luhansk)	4-5km S	Heard	43	Shot		Cannon (73mm)	9-Dec, 12:20-12:45
	5-7km S	Heard	35	Explosion	Undetermined	N/K	9-Dec, 12:25-12:45
1.5km W of	3-4km S	Heard	62	Explosion	Undetermined	N/K	9-Dec,

Orikhove-Donetske (government-controlled, 44km NW of Luhansk)							11:46-12:15
	3-4km S	Heard	100	Shot and Burst		HMG	9-Dec, 11:46-12:15
NE edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	8-12km W	Heard	64	Explosion	Undetermined	N/K	9-Dec, 11:40-12:20
	5-7km W	Heard	257	Burst		HMG or cannon (30mm and 23mm)	9-Dec, 11:40-12:20
4km S of Slovianoserbsk (non-government-controlled, 28km NW of Luhansk)	10km WNW	Heard	16	Explosion	Undetermined	N/K	9-Dec, 11:52-12:00
	2km WNW	Heard	5	Shot		N/K	9-Dec, 11:52-12:00
SE edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3km SSW	Heard	20	Shot		Cannon (30mm)	9-Dec, 12:12-12:23

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).