

Table of ceasefire violations as of 4 December 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	3-Dec, 18:52
	1-3km SSE	Recorded	3	Projectile	WSW to ENE	N/K	3-Dec, 21:26
	1-3km SSE	Recorded	5	Projectile	ENE to WSW	N/K	3-Dec, 21:33
	1-3km SSE	Recorded	3	Projectile	ENE to WSW	N/K	3-Dec, 23:09
	1-3km SSE	Recorded	4	Projectile	WSW to ENE	N/K	4-Dec, 00:24
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 02:45
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSE	Recorded	2	Explosion	Undetermined	N/K	3-Dec, 17:09
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 17:10
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 18:39
	0.5-1km SSW	Recorded	1	Projectile	WNW to ESE	N/K	3-Dec, 18:59
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 18:59
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:07
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:07
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:14
	1-3km SSW	Recorded	4	Explosion	Undetermined	N/K	3-Dec, 19:17
	1-3km SSW	Recorded	1	Projectile	SW to NE	N/K	3-Dec, 19:17
	1-2km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:31
	1-2km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:32
	0.5-1km S	Recorded	1	Projectile	SE to NW	N/K	3-Dec, 19:39
	0.5-1km SSW	Recorded	1	Explosion	Impact	N/K	3-Dec, 19:39
	1-2km SSE	Recorded	1	Muzzle flash		N/K	3-Dec, 19:39
	0.5-1km S	Recorded	1	Projectile	W to E	N/K	3-Dec, 19:49
	0.5-1km SSW	Recorded	1	Muzzle flash		N/K	3-Dec, 19:49
	1-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	3-Dec, 20:25
	1-3km SSW	Recorded	2	Projectile	NNW to SSE	N/K	3-Dec, 21:11
	2-3km SSW	Recorded	8	Projectile	NNW to SSE	N/K	3-Dec, 22:00
	2-3km SSW	Recorded	2	Projectile	NNW to SSE	N/K	3-Dec, 22:09
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 22:09
	0.2-0.5km S	Recorded	1	Projectile	S to N	N/K	3-Dec, 22:29
	1-2km S	Recorded	3	Explosion	Undetermined	N/K	3-Dec, 22:29
	0.2-0.5km S	Recorded	1	Projectile	SSE to NNW	N/K	3-Dec, 22:29
	1-2km S	Recorded	2	Explosion	Undetermined	N/K	3-Dec, 22:31
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 22:38
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 16:30
	1-3km SSW	Recorded	4	Explosion	Undetermined	N/K	4-Dec, 16:37
	1-3km SSW	Recorded	3	Explosion	Undetermined	N/K	4-Dec, 17:00
	1-3km SSW	Recorded	3	Explosion	Undetermined	N/K	4-Dec, 17:01
	1-3km SSW	Recorded	4	Explosion	Undetermined	N/K	4-Dec, 17:02
	1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 17:06
1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 17:07	
1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 17:15	
1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 17:47	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km E	Recorded	1	Projectile	S to N	N/K	3-Dec, 18:20
	2-4km E	Recorded	3	Projectile	N to S	N/K	3-Dec, 18:26
	2-4km E	Recorded	1	Projectile	N to S	N/K	3-Dec, 18:30
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 19:08
	2-4km E	Recorded	5	Projectile	S to N	N/K	3-Dec, 19:12
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	3-Dec, 19:17
	2-4km E	Recorded	1	Projectile	S to N	N/K	3-Dec, 19:21
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	3-Dec, 19:28
	2-4km E	Recorded	2	Projectile	N to S	N/K	3-Dec, 20:33
	2-4km ESE	Recorded	3	Projectile	N to S	N/K	3-Dec, 20:36
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	3-Dec, 20:53

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	2	Projectile	N to S	N/K	3-Dec, 20:57
	2-4km E	Recorded	4	Projectile	S to N	N/K	3-Dec, 20:57
	2-4km E	Recorded	1	Muzzle flash		N/K	3-Dec, 21:11
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	3-Dec, 21:25
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	3-Dec, 21:27
	2-4km E	Recorded	2	Explosion	Impact	N/K	3-Dec, 21:27
	2-4km E	Recorded	4	Projectile	N to S	N/K	3-Dec, 21:48
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	3-Dec, 21:58
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	3-Dec, 21:59
	2-4km E	Recorded	12	Projectile	N to S	N/K	3-Dec, 22:10
	2-4km E	Recorded	3	Projectile	N to S	N/K	3-Dec, 22:32
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	3-Dec, 22:34
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	3-Dec, 23:24
	2-4km E	Recorded	7	Projectile	S to N	N/K	3-Dec, 23:28
	2-4km E	Recorded	1	Projectile	S to N	N/K	4-Dec, 00:12
	2-4km E	Recorded	2	Projectile	N to S	N/K	4-Dec, 02:40
	2-4km E	Recorded	11	Projectile	N to S	N/K	4-Dec, 02:42
	2-4km E	Recorded	2	Projectile	N to S	N/K	4-Dec, 02:46
	2-4km E	Recorded	6	Projectile	N to S	N/K	4-Dec, 02:55
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	4-Dec, 02:55
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Dec, 23:41
	2-4km ENE	Recorded	2	Muzzle flash		N/K	4-Dec, 02:35
	2-4km ENE	Recorded	2	Projectile	WNW to ESE	N/K	4-Dec, 02:35
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 03:04
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	4-Dec, 03:04
	2-4km ENE	Recorded	1	Muzzle flash		N/K	4-Dec, 03:19
	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	4-Dec, 03:19
	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	4-Dec, 03:38
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 03:38
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	4-Dec, 03:38
	2-4km ENE	Recorded	2	Projectile	WNW to ESE	N/K	4-Dec, 04:31
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 04:31
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	4-Dec, 04:31
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	4-Dec, 05:11
	2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	4-Dec, 05:11
	2-4km ENE	Recorded	1	Muzzle flash		N/K	4-Dec, 05:11
	2-4km ENE	Recorded	1	Projectile	In vertical flight	N/K	4-Dec, 05:11
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 05:12
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	4-Dec, 05:12
	2-4km ENE	Recorded	1	Explosion	N to S	N/K	4-Dec, 05:30
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	4-Dec, 05:31
		0.5-1km E	Recorded	1	Explosion	Controlled detonation	Anti-tank mine
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km ENE	Recorded	2	Projectile	N to S	N/K	4-Dec, 02:35
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 20:39
3km NNE of Kruta Balka (non-government-controlled, 16km N of Donetsk)	1-2km S	Heard	2	Shot		Small arms	4-Dec, 10:00
	2-4km WSW	Heard	11	Explosion	Undetermined	N/K	4-Dec, 10:10-10:25
	1-2km S	Heard	2	Shot		Small arms	4-Dec, 10:27
	2-4km W	Heard	1	Explosion	Undetermined	N/K	4-Dec, 10:30
	1-2km SW	Heard	3	Shot		Small arms	4-Dec, 10:51
2-4km SW	Heard	5	Explosion	Undetermined	N/K	4-Dec, 10:55	

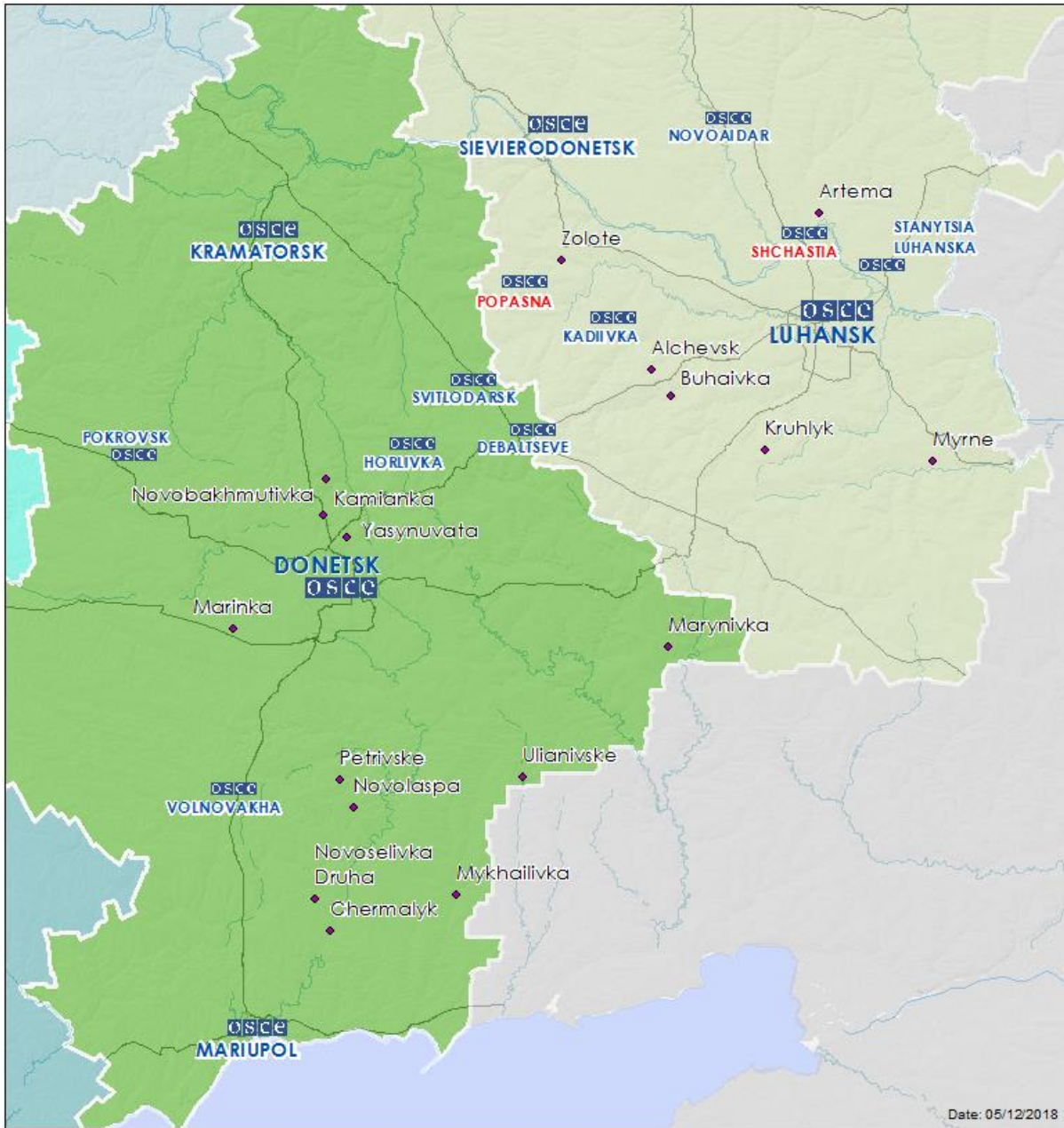
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	2-3km NW	Heard	3	Explosion	Undetermined	N/K	4-Dec, 11:30-11:34
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km S	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:53
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	4-Dec, 11:07
	2-3km S	Heard	3	Explosion	Undetermined	N/K	4-Dec, 11:16
	2-3km SE	Heard	28	Explosion	Undetermined	N/K	4-Dec, 11:17-11:37
	2-3km SE	Heard	16	Burst		HMG	4-Dec, 11:23-11:31
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	4-Dec, 11:55
	0.5km SE	Heard	1	Explosion	Outgoing	Mortar (type N/K)	4-Dec, 11:58
	3km SE	Heard	1	Explosion	Impact	Mortar (type N/K)	4-Dec, 11:58
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	4-5km NW	Heard	3	Explosion	Undetermined	N/K	4-Dec, 10:55
	4-5km NNW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 11:31
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-4km NW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 09:28
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:10
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:14
	1-2km NW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 10:17
	1-2km NW	Heard	1	Burst		Small arms	4-Dec, 10:20
	1-2km N	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:23
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:25
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 10:34
	4-6km NW	Heard	3	Explosion	Undetermined	N/K	4-Dec, 10:36-10:45
	2-4km SW	Heard	24	Explosion	Undetermined	N/K	4-Dec, 11:18-11:31
	1-2km SW	Heard	6	Shot		Small arms	4-Dec, 11:34
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 11:55
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 11:57
	2-3km SW	Heard	10	Shot		Small arms	4-Dec, 13:03
		2-3km SW	Heard	3	Explosion	Undetermined	N/K
	2-3km SW	Heard	29	Burst		HMG	4-Dec, 13:13-13:23
	2-3km SW	Heard	13	Shot		Small arms	4-Dec, 13:13-13:23
1km NNW of entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-3km E	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:12
	2-3km E	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:17
	2-3km E	Heard	1	Explosion	Undetermined	N/K	4-Dec, 10:23
	2-3km E	Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:27
	2-3km E	Heard	3	Explosion	Undetermined	N/K	4-Dec, 10:25-10:35
Talakivka (government-controlled, 17km NE of Mariupol)	2-4km ESE	Heard	5	Explosion	Undetermined	N/K	4-Dec, 09:46-09:55
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard	2	Explosion	Undetermined	N/K	4-Dec, 11:10-11:12
	N/K E	Heard	1	Explosion	Undetermined	N/K	4-Dec, 11:10-11:12
	N/K NE	Heard	1	Explosion	Undetermined	N/K	4-Dec, 11:15
	N/K E	Heard	11	Shot		Small arms	4-Dec, 11:28
	2km NE	Heard	1	Explosion	Undetermined	N/K	4-Dec, 11:32
	N/K NE	Heard	1	Explosion	Undetermined	N/K	4-Dec, 11:47
Chermalyk (government-	N/K SSE	Heard	9	Explosion	Outgoing	Artillery (type N/K)	4-Dec, 10:00-10:31

controlled, 31km NE of Mariupol)	N/K SSE	Heard	10	Explosion	Impact	Artillery (type N/K)	4-Dec, 10:00-10:31
	N/K SSE	Heard	5	Shot		Small arms	4-Dec, 10:00-10:31
	N/K ENE	Heard	2	Shot		Small arms	4-Dec, 10:00-10:31
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Dec, 18:44
	3-5km SW	Heard	4	Burst		HMG	3-Dec, 19:22
	3-5km SW	Heard	3	Burst		HMG	3-Dec, 20:49
	3-5km SW	Heard	3	Burst		HMG	3-Dec, 21:16
	3-5km SW	Heard	3	Burst		HMG	3-Dec, 22:10
E edge Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km NNE	Heard	1	Explosion	Undetermined	N/K	4-Dec, 12:17
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SW	Heard	20	Burst		HMG	3-Dec, 18:54-18:58
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Dec, 18:56
	2-3km SW	Heard	12	Shot		IFV cannon (type N/K)	3-Dec, 18:58
	2-3km SW	Heard	10	Burst		HMG	3-Dec, 18:59
	2-3km SW	Heard	20	Burst		HMG	3-Dec, 19:03-19:15
	4-5km SW	Heard	5	Explosion	Undetermined	N/K	3-Dec, 19:04-19:40
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	3-Dec, 20:10
	2-3km SW	Heard	30	Burst		HMG	3-Dec, 20:20-20:30
	4-5km SW	Heard	21	Explosion	Undetermined	N/K	3-Dec, 20:45-21:15
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Dec, 22:00
	2-3km SW	Heard	40	Burst		HMG	3-Dec, 22:10-22:30
	4-5km SW	Heard	8	Explosion	Undetermined	N/K	3-Dec, 22:50
	2-3km SW	Heard	60	Burst		HMG	3-Dec, 23:00-23:20
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	3-Dec, 23:10
	2-3km SW	Heard	50	Burst		HMG	3-Dec, 23:30-23:50
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	3-Dec, 23:38
	4-5km SW	Heard	11	Explosion	Undetermined	N/K	3-Dec, 23:50-23:59
	2-3km SW	Heard	70	Burst		HMG	3-Dec, 23:54-23:59
	3-4km SE	Heard	4	Burst		HMG	4-Dec, 11:15
	3-4km SE	Heard	12	Burst		HMG	4-Dec, 12:15-12:20
	3-5km SE	Heard	50	Explosion	Undetermined	N/K	4-Dec, 12:15-12:20
	3-5km SE	Heard	8	Burst		HMG	4-Dec, 12:50-13:05
	E edge of Kamianka (government-controlled, 20km N of Donetsk)	3-5km S	Heard	2	Explosion	Undetermined	N/K
3-5km WNW		Heard	4	Explosion	Undetermined	N/K	4-Dec, 10:35
3-5km WSW		Heard	2	Explosion	Undetermined	N/K	4-Dec, 10:38
4-6km WSW		Heard	40	Explosion	Undetermined	N/K	4-Dec, 10:43-10:51
4-6km SW		Heard	10	Explosion	Undetermined	N/K	4-Dec, 10:51
3-4km SW		Heard	4	Shot		Small arms	4-Dec, 11:10
4-5km SSE		Heard	4	Explosion	Undetermined	N/K	4-Dec, 11:17
4-5km S		Heard	5	Explosion	Undetermined	N/K	4-Dec, 11:19-11:21
4-5km S		Heard	5	Explosion	Undetermined	N/K	4-Dec, 11:23
4-5km S	Heard	10	Explosion	Undetermined	N/K	4-Dec, 11:24	

	2-3km S	Heard	7	Explosion	Undetermined	N/K	4-Dec, 11:25
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	4-Dec, 11:34
	3-4km SSE	Heard	7	Burst		HMG	4-Dec, 11:36
	3-4km SSE	Heard	4	Explosion	Undetermined	N/K	4-Dec, 11:56
	4-6km SW	Heard	2	Burst		HMG	4-Dec, 12:15
	4-5km SW	Heard	10	Burst		HMG	4-Dec, 12:16
	4-5km SSW	Heard	10	Burst		HMG	4-Dec, 12:38
	5-7km SW	Heard	4	Explosion	Undetermined	N/K	4-Dec, 13:08-13:09
3km N of Myronivskiyi (government-controlled, 62km NE of Donetsk)	3-4km SSE	Heard	9	Explosion	Undetermined	N/K	4-Dec, 12:10-12:20
	2-3km SSE	Heard	4	Burst		HMG	4-Dec, 12:10-12:20
	3-4km SSE	Heard	21	Explosion	Undetermined	N/K	4-Dec, 12:20-12:32
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km W	Heard	252	Burst		HMG	3-Dec, 18:53-19:48
	10-15km W	Heard	85	Explosion	Impact	N/K	3-Dec, 18:53-19:48
	10-15km W	Heard	27	Burst		IFV (BMP-2) cannon (30mm)	3-Dec, 18:53-19:48
	10-15km N	Heard	21	Explosion	Impact	Mortar (type N/K)	3-Dec, 18:53-19:45
	10-15km NNW	Heard	80	Burst		HMG	3-Dec, 23:27-00:30
	10-15km NNW	Heard	48	Explosion	Impact	N/K	3-Dec, 23:27-00:30
	10-15km NNW	Heard	14	Burst		IFV (BMP-2) cannon	3-Dec, 23:27-00:30
	15-20km NNE	Heard	62	Explosion	Impact and outgoing	Artillery (type N/K)	4-Dec, 00:33-00:38
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	2-3km SSW	Heard	4	Burst	Assessed as outside the disengagement area	Small arms	3-Dec, 20:07-20:11
	3-5km SSW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	3-Dec, 20:15
	3-4.5km SSW	Heard	77	Shot	Assessed as inside the disengagement area	Small arms	3-Dec, 20:17-21:00
	3-4.5km SSW	Heard	49	Burst	Assessed as inside the disengagement area	HMG	3-Dec, 20:17-21:00
	3-4.5km SSW	Heard	19	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	3-Dec, 20:17-21:00
	3-4.5km SSW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	3-Dec, 21:47
Obozne (non-government-controlled, 18km N of Luhansk)	0.5-1km NNE	Heard	2	Burst		Small arms	4-Dec, 10:36-10:37
NE edge of Yuzhna Lomuvatka (non-	8-10km WNW	Heard	50	Explosion	Impact	Mortar (type N/K)	4-Dec, 12:30-12:40

government-controlled, 60km W of Luhansk)							
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-3km S	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 20:51
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	3-Dec, 23:03
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	0.5-1km SSE	Recorded	1	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	3-Dec, 19:22
	0.5-1km SE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	3-Dec, 19:22
	0.5-1km SE	Recorded	1	Projectile	ENE to WSW (assessed as outside the disengagement area)	N/K	3-Dec, 19:22

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).