

Table of ceasefire violations as of 2 December 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-3km SSW	Recorded	4	Projectile	WNW to ESE	N/K	30-Nov, 18:42
	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	30-Nov, 18:43
	1-3km SSW	Recorded	3	Projectile	W to E	N/K	30-Nov, 20:24
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	30-Nov, 20:45
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	30-Nov, 21:01
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	30-Nov, 21:02
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	30-Nov, 21:29
	1-3km SW	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 23:45
	1-3km S	Recorded	1	Projectile	E to W	N/K	1-Dec, 00:09
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	1-Dec, 00:16
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	1-Dec, 02:47
	1-3km SSW	Recorded	2	Projectile	W to E	N/K	1-Dec, 04:32
1-3km SSW	Recorded	1	Projectile	W to E	N/K	1-Dec, 05:16	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km E	Recorded	2	Projectile	S to N	N/K	30-Nov, 21:31
	3-5km E	Recorded	15	Projectile	NW to SE	N/K	30-Nov, 22:01
	3-5km E	Recorded	2	Projectile	S to N	N/K	30-Nov, 22:07
	3-5km E	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 22:07
	3-5km E	Recorded	7	Projectile	NW to SE	N/K	30-Nov, 22:23
	3-5km E	Recorded	13	Projectile	S to N	N/K	30-Nov, 22:23
	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	30-Nov, 22:23
	3-5km ESE	Recorded	12	Projectile	S to N	N/K	30-Nov, 22:24
3-5km E	Recorded	9	Projectile	NW to SE	N/K	30-Nov, 22:25	
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	E to W	N/K	30-Nov, 18:48
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	30-Nov, 20:06
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 20:06
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	30-Nov, 20:25
	1-3km SSE	Recorded	2	Projectile	W to E	N/K	30-Nov, 21:22
	1-3km SSE	Recorded	4	Projectile	W to E	N/K	30-Nov, 21:44
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	30-Nov, 21:57
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 21:57
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	30-Nov, 23:03
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	1-Dec, 00:04
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	1-Dec, 00:04
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	1-Dec, 01:05
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	1-Dec, 02:48
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	1-Dec, 03:02
1-3km SSE	Recorded	2	Projectile	W to E	N/K	1-Dec, 04:14	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km E	Recorded	4	Projectile	NW to SE	N/K	30-Nov, 20:48
	3-5km ENE	Recorded	1	Burst	In vertical flight	N/K	30-Nov, 21:21
	3-5km E	Recorded	11	Projectile	S to N	N/K	30-Nov, 22:33
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	9	Projectile	S to N	N/K	30-Nov, 22:35
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 21:23
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	30-Nov, 21:23
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	30-Nov, 21:25
	3-5km ENE	Recorded	6	Projectile	N to S	N/K	30-Nov, 21:36
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 21:38
	3-5km ENE	Recorded	3	Projectile	S to N	N/K	30-Nov, 21:39
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	30-Nov, 21:45
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	30-Nov, 21:46
	3-5km ENE	Recorded	1	Projectile	S to N	N/K	30-Nov, 21:46
	3-5km ENE	Recorded	8	Projectile	N to S	N/K	30-Nov, 21:51
3-5km ENE	Recorded	2	Projectile	N to S	N/K	30-Nov, 22:05	

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.

	3-5km ESE	Recorded	1	Illumination flare		N/K	30-Nov, 23:44
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	1-Dec, 02:07
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	1-Dec, 05:32
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	1-Dec, 01:31
	2-4km NE	Recorded	5	Projectile	SE to NW	N/K	1-Dec, 01:31
	2-4km NE	Recorded	2	Projectile	SE to NW	N/K	1-Dec, 01:32
	2-4km NE	Recorded	3	Projectile	SE to NW	N/K	1-Dec, 02:20
	2-4km NE	Recorded	3	Projectile	SE to NW	N/K	1-Dec, 02:21
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	1-Dec, 02:21
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	1-Dec, 02:21
About 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	0.5-1km W	Heard	5	Burst		HMG	1-Dec, 09:58
	1km NW	Heard	17	Shot		Small arms	1-Dec, 10:10-10:17
Pavlopil (government-controlled, 26km NE of Mariupol)	1-2km E	Heard	22	Shot		Small arms	1-Dec, 11:10
2km NNW of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K E	Heard	2	Explosion	Undetermined	N/K	1-Dec, 11:33
	N/K E	Heard	5	Explosion	Undetermined	N/K	1-Dec, 11:44
	N/K E	Heard	8	Burst		HMG	1-Dec, 11:44
	N/K E	Heard	11	Explosion	Undetermined	N/K	1-Dec, 11:46-11:55
	N/K E	Heard	12	Burst		HMG	1-Dec, 11:46-11:55
	1-2km NE	Heard	4	Shot		N/K	1-Dec, 12:09
	1-2km E	Heard	22	Burst		HMG	1-Dec, 12:14-12:15
	2-3km E	Heard	2	Explosion	Undetermined	N/K	1-Dec, 12:20-12:29
	2-3km E	Heard	9	Shot		N/K	1-Dec, 12:20-12:29
	2-3km E	Heard	1	Explosion	Undetermined	N/K	1-Dec, 12:55-12:56
	2-3km E	Heard	13	Burst		HMG	1-Dec, 12:55-12:56
	2-3km E	Heard	2	Explosion	Undetermined	N/K	1-Dec, 13:13-13:18
2-3km E	Heard	2	Burst		HMG	1-Dec, 13:13-13:18	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3km ESE	Heard	6	Shot		Small arms	30-Nov, 18:58
	3km ESE	Heard	12	Shot		Small arms	30-Nov, 19:03
	3km ESE	Heard	10	Shot		Small arms	30-Nov, 19:10
	3km ESE	Heard	4	Shot		Small arms	30-Nov, 19:19
	3-4km ESE	Heard	20	Shot		Small arms	30-Nov, 19:21
	3km ESE	Heard	6	Shot		Small arms	30-Nov, 19:36
	3-4km ESE	Heard	12	Shot		Small arms	30-Nov, 19:40
	3km ESE	Heard	6	Shot		Small arms	30-Nov, 19:48
	3km ESE	Heard	18	Shot		Small arms	30-Nov, 19:59
	3km ESE	Heard	3	Shot		AGL	30-Nov, 20:00
	3km ESE	Heard	5	Shot		Small arms	30-Nov, 20:12
	3km ESE	Heard	6	Shot		Small arms	30-Nov, 20:30
	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 20:37
3km ESE	Heard	8	Shot		Small	30-Nov, 20:45	

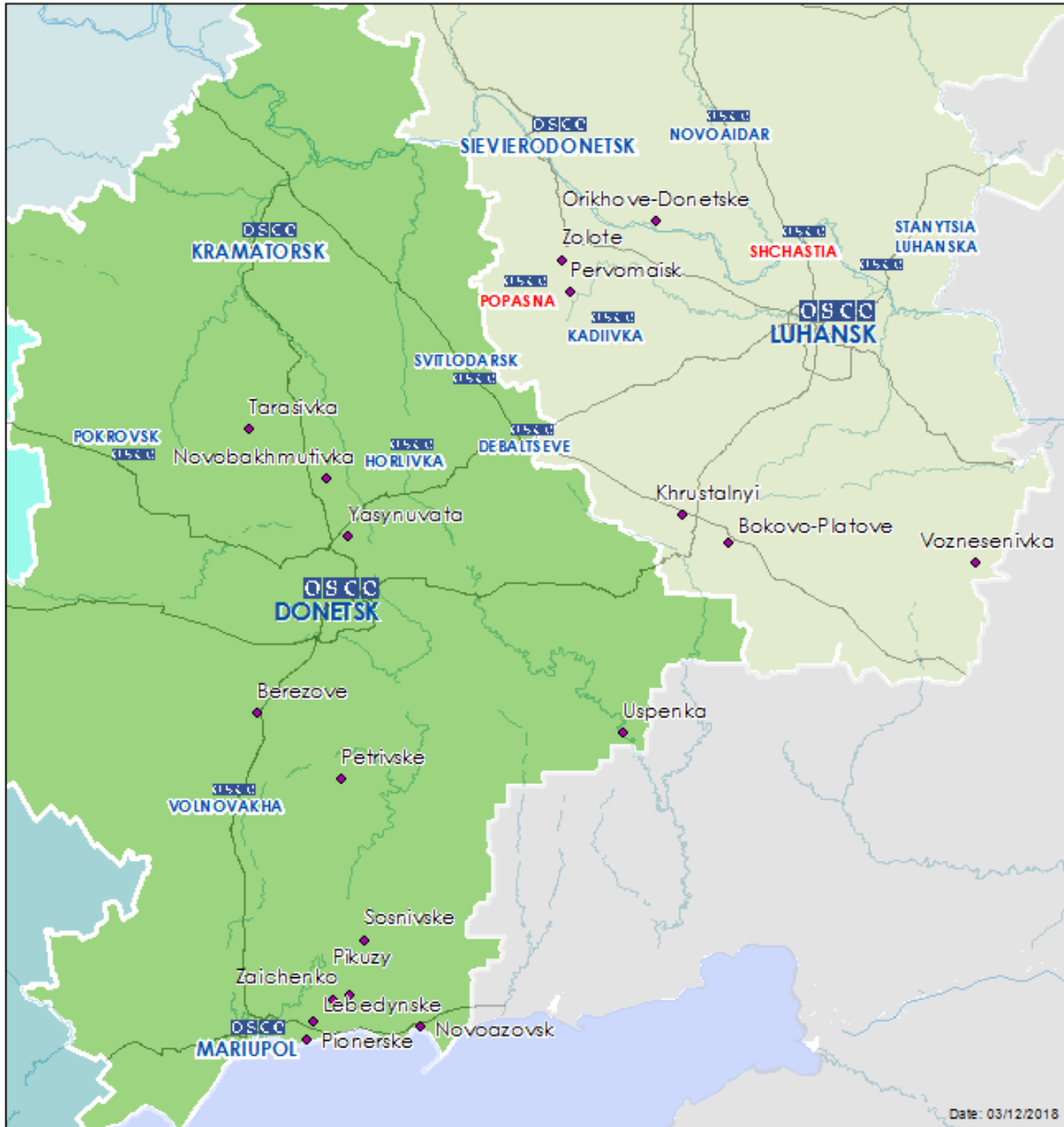
						arms	
	3km ESE	Heard	5	Shot		Small arms	30-Nov, 21:07
	3km ESE	Heard	22	Shot		Small arms	30-Nov, 21:15-22:18
	3km ESE	Heard	8	Shot		Small arms	30-Nov, 21:20
	3-4km ESE	Heard	2	Explosion	Outgoing	Small arms	30-Nov, 21:21
	3km ESE	Heard	8	Shot		Small arms	30-Nov, 21:25
	3km ESE	Heard	10	Shot		Small arms	30-Nov, 21:35
	4-5km ESE	Heard	2	Explosion	Outgoing	N/K	30-Nov, 21:37
	3km ESE	Heard	50	Shot		Small arms	30-Nov, 21:37-21:40
	3km ESE	Heard	4	Explosion	Undetermined	N/K	30-Nov, 21:49
	3km ESE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 21:52
	3km ESE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 21:54
	3km ESE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 21:56
	3km ESE	Heard	50	Shot		Small arms	30-Nov, 22:05-22:07
	3km ESE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 22:07
	3km ESE	Heard	30	Shot		Small arms	30-Nov, 22:18
	3-4km ESE	Heard	4	Explosion	Undetermined	N/K	30-Nov, 22:22
	3km ESE	Heard	4	Burst		HMG	30-Nov, 22:25
	3km ESE	Heard	20	Shot		Small arms	30-Nov, 22:40
	3-4km ESE	Heard	1	Explosion	Outgoing	N/K	30-Nov, 22:45
	3km ESE	Heard	14	Shot		Small arms	30-Nov, 22:46
	3-4km ESE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 22:50
	3km ESE	Heard	30	Shot		Small arms	30-Nov, 22:50-22:52
	3km ESE	Heard	18	Shot		Small arms	30-Nov, 23:01
	3km ESE	Heard	2	Explosion	Outgoing	N/K	30-Nov, 23:30
	3km ESE	Heard	10	Shot		Small arms	30-Nov, 23:32
E edge of Kamianka (government-controlled, 20km N of Donetsk)	1-2km E	Heard	2	Burst		HMG	1-Dec, 09:20
	2km SE	Heard	6	Explosion	Undetermined	N/K	1-Dec, 09:40
Toretsk (formerly Dzerzhynsk, government-controlled, 43km north of Donetsk)	2-3km ESE	Heard	1	Explosion	Undetermined	N/K	1-Dec, 10:20
NE edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3-5km SSW	Heard	5	Burst		HMG	1-Dec, 10:58-11:00
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	1-3km SE	Recorded	2	Projectile	SW to NE	N/K	2-Nov, 05:11
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	2-Dec, 18:02
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SW	Recorded	6	Projectile	W to E	N/K	1-Dec, 18:57
	1-3km SW	Recorded	2	Projectile	W to E	N/K	1-Dec, 19:02
	1-3km SW	Recorded	1	Explosion	Undetermined	N/K	1-Dec, 22:28
	1-3km SW	Recorded	1	Projectile	W to E	N/K	1-Dec, 23:54
	1-3km SW	Recorded	1	Projectile	E to W	N/K	2-Dec, 00:50
	1-3km S	Recorded	3	Projectile	E to W	N/K	2-Dec, 02:13
	1-3km SW	Recorded	5	Projectile	W to E	N/K	2-Dec, 05:11
About 2km N of Petrivske (non-government-controlled, 41km S	2km SSE	Heard	3	Shot	Assessed as outside the	Small arms	2-Dec, 11:06-11:13

of Donetsk)					disengagement area		
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	5	Burst		HMG	2-Dec, 11:04
	2-3km W	Heard	4	Shot		Small arms	2-Dec, 11:05
	2-3km W	Heard	1	Shot		Cannon (30mm)	2-Dec, 11:10
	2km W	Heard	5	Burst		HMG	2-Dec, 11:17
	2km W	Heard	3	Shot		Small arms	2-Dec, 11:19
	2-3km W	Heard	3	Shot		Small arms	2-Dec, 13:15
	2-3km W	Heard	2	Burst		HMG	2-Dec, 13:18
	2-3km W	Heard	1	Explosion	Undetermined	N/K	2-Dec, 13:19
	2-3km W	Heard	3	Burst		HMG	2-Dec, 13:23
	2-3km W	Heard	1	Burst		HMG	2-Dec, 13:26
	2-3km W	Heard	2	Burst		HMG	2-Dec, 13:28
	2-3km W	Heard	1	Explosion	Undetermined	N/K	2-Dec, 13:36
	2-3km W	Heard		Shot and burst	Uncountable, overlapping	HMG	2-Dec, 13:36
	2-3km W	Heard	3	Explosion	Undetermined	N/K	2-Dec, 13:45
	2-3km W	Heard	6	Shot		Small arms	2-Dec, 13:47
About 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	2-Dec, 09:28
	2-3km SW	Heard	3	Burst		HMG	2-Dec, 09:38
	3-4km SW	Heard	4	Burst		HMG	2-Dec, 09:39
	2km SW	Heard	6	Shot		Cannon (30mm)	2-Dec, 09:39
	2km SW	Heard	14	Shot		Small arms	2-Dec, 09:40
	2km SW	Heard	4	Burst		Small arms	2-Dec, 09:40
	2km SW	Heard	12	Burst		HMG	2-Dec, 09:41
	2km SW	Heard	5	Shot		Small arms	2-Dec, 09:42
	2km SW	Heard	4	Burst		HMG	2-Dec, 09:42
	2-3km SW	Heard	15	Shot		Small arms	2-Dec, 09:45
	2km SW	Heard	4	Shot		Cannon (30mm)	2-Dec, 09:56
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	2-Dec, 09:57
	2km SW	Heard	1	Explosion	Undetermined	N/K	2-Dec, 10:07
	2km SW	Heard	4	Shot		Cannon (30mm)	2-Dec, 10:23
	2-3km SW	Heard	6	Shot		Small arms	2-Dec, 10:24
	2km SW	Heard	2	Explosion	Outgoing	N/K	2-Dec, 11:32-11:34
	2km SW	Heard	1	Shot		AGL	2-Dec, 11:37
	2-3km SW	Heard	1	Burst		HMG	2-Dec, 11:52
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	2-Dec, 11:54
	1-2km N	Heard	5	Shot		Small arms	2-Dec, 11:54
	2-3km SW	Heard	5	Shot		Small arms	2-Dec, 11:55
2-3km SW	Heard	7	Explosion	Undetermined	N/K	2-Dec, 12:05-12:15	
2-3km W	Heard	5	Burst		HMG	2-Dec, 12:11-12:23	
Lebedynske (government-controlled, 16km NE of Mariupol)	N/K ENE	Heard	3	Explosion	Undetermined	N/K	2-Dec, 10:12-10:32
	N/K ENE	Heard	1	Explosion	Undetermined	N/K	2-Dec, 10:12-10:32
2km SE of Lebedynske (government-controlled, 16km	N/K NE	Heard	20	Explosion	Undetermined	N/K	2-Dec, 11:28-12:02

NE of Mariupol)	N/K NE	Heard	13	Burst		HMG	2-Dec, 11:28-12:02
1km NNW of entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SE	Heard	2	Explosion	Undetermined	N/K	2-Dec, 11:02
2km SW of entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SSE	Heard	1	Explosion	Undetermined	N/K	2-Dec, 12:25
2.5km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)	N/K NE	Heard	1	Explosion	Undetermined	N/K	2-Dec, 13:42-13:50
	N/K ESE	Heard	1	Explosion	Undetermined	N/K	2-Dec, 13:42-13:50
	N/K SE	Heard	3	Shot		Small arms	2-Dec, 13:42-13:50
	N/K SE	Heard	1	Burst		HMG	2-Dec, 13:42-13:50
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	5	Burst		HMG	1-Dec, 21:45
	3-5km SE	Heard	10	Shot		Small arms	1-Dec, 22:27
	3-5km SE	Heard	3	Burst		HMG	1-Dec, 22:27
	3-5km SE	Heard	4	Burst		HMG	1-Dec, 20:28
	3-5km SE	Heard	3	Shot		Small arms	1-Dec, 20:28
	3-5km SE	Heard	4	Burst	Undetermined	HMG	1-Dec, 20:29
	3-5km SE	Heard	8	Shot		Small arms	1-Dec, 22:29
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	1-Dec, 22:30
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	1-Dec, 10:37
	3-5km SE	Heard	13	Burst		HMG	1-Dec, 10:38
	3-5km SE	Heard	4	Shot		Small arms	1-Dec, 20:38
	5-8km SE	Heard	10	Burst		HMG	1-Dec, 22:39
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	1-Dec, 22:39
	5-8km SE	Heard	2	Explosion	Undetermined	N/K	1-Dec, 22:46
	3-5km SE	Heard	1	Burst		HMG	1-Dec, 22:47
	3-5km SE	Heard	6	Burst		HMG	1-Dec, 22:50
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	1-Dec, 22:53
	5-8km SE	Heard	3	Burst		HMG	1-Dec, 23:04
3-5km SE	Heard	2	Explosion	Undetermined	N/K	1-Dec, 23:11	
2-3km SW	Heard	12	Burst		HMG	2-Dec, 15:20-15:25	
Horlivka (non-government-controlled, 39km NE of Donetsk)	6-7km NW	Heard	10	Explosion	Undetermined	N/K	1-Dec, 21:30-21:35
	5-6km W	Heard	15	Explosion	Undetermined	N/K	1-Dec, 22:43-22:50
	5-6km W	Heard	30	Burst		HMG	1-Dec, 22:43-22:50
	5-7km W	Heard	2	Explosion	Undetermined	N/K	2-Dec, 17:58
E edge of Kamianka (government-controlled, 20km N of Donetsk)	1-2km E	Heard	4	Burst		Small arms	2-Dec, 09:23
	2-3km SE	Heard	2	Burst		Small arms	2-Dec, 09:35
NW edge of Smile (non-government-controlled, 31km NW of Luhansk)	2-5km NW	Heard	5	Burst		HMG	2-Dec, 09:26-09:35
Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	3-4km NW	Heard	3	Shot		Small arms	2-Dec, 10:30-10:35
	3-4km NW	Heard	10	Burst		Small arms	2-Dec, 10:30-10:35
Khrystove (non-government-controlled, 18km N of Luhansk)	1-4km SE	Heard	6	Shot		Small arms	2-Dec, 10:42-10:44
3km NW of Novohryhorivka (non-government-controlled,	3km NW	Heard	4	Burst		HMG	2-Dec, 10:58-11:08

33km W of Luhansk)	3km NW	Heard	2	Explosion	Undetermined	N/K	2-Dec, 10:58-11:08
SE edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-4km N	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	2-Dec, 11:27-11:30
S edge of Berezhivske (non-government-controlled, 53km NW of Luhansk)	3-5km NW	Heard	3	Explosion	Undetermined	N/K	2-Dec, 11:48-11:50
1.5km SW of Molodizhne (non-government controlled, 63km W of Luhansk)	1.5-2km WSW	Heard	14	Shot		HMG	2-Dec, 14:57-15:07
	2km WSW	Heard	1	Burst		HMG	2-Dec, 14:57-15:07

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).