SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km N	Recorded	2	Explosion	Airburst	N/K	10-Dec, 20:01
SMM camera 1km SW of	3-5km NNE	Recorded	3	Projectile	In vertical flight	N/K	10-Dec, 19:20
Shyrokyne (government-controlled,	4-6km N	Recorded	1	Explosion	Undetermined	N/K	10-Dec, 20:40
100km S of Donetsk)	4-6km N	Recorded	1	Explosion	Airburst	N/K	10-Dec, 20:40
	4-6km N	Recorded	3	Projectile	E to W	N/K	11-Dec, 16:37
	4-6km N	Recorded	1	Projectile	E to W	N/K	11-Dec, 17:26
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	11-Dec, 17:54
	4-6km N	Recorded	1	Projectile	E to W	N/K	11-Dec, 18:00
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	11-Dec, 18:00
Betmanove (formerly Krasnyi	1.3km NW	Heard	3	Shot		Small arms	11-Dec, 09:17
Partyzan, non-government- controlled, 23km NE of Donetsk)	1.3km NW	Heard	2	Burst		Small arms	11-Dec, 09:17- 09:20
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	11-Dec, 09:30
About 2km WSW of Zalizne (formerly Artemove, government- controlled, 42km NE of Donetsk)	3-4km E	Heard	3	Burst		HMG	11-Dec, 11:25- 11:28
	3-4km E	Heard	5	Burst		HMG	11-Dec, 11:43- 11:44
	2-4km ESE	Heard	5	Explosion	Undetermined	N/K	11-Dec, 12:04- 12:08
	2-4km ESE	Heard	3	Explosion	Undetermined	N/K	11-Dec, 12:16- 12:17
Vesele (non-government- controlled, 9km NW of Donetsk)	2-3km N	Heard	2	Explosion	Undetermined	N/K	11-Dec, 12:21
Shumy (government-controlled, 41km N of Donetsk)	1.3km NNE	Heard	10	Shot		Small arms	11-Dec, 12:57
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km SE	Recorded	4	Projectile	NNE to SSW (assessed as outside the disengagement area near Zolote)	N/K	10-Dec, 23:28
	4-6km SE	Recorded	3	Projectile	N to S (assessed as outside the disengagement area near Zolote)	N/K	10-Dec, 23:28
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km E	Recorded	14	Projectile	N to S (assessed as outside the disengagement area near Zolote)	N/K	10-Dec, 21:45
About 2km E of Vesela Hora (non- government-controlled, 16km N of Luhansk)	2-3km N	Heard	3	Burst		Small arms	11-Dec, 09:32
Obozne (non-government- controlled, 18km N of Luhansk)	3-4km NE	Heard	10	Burst		Small arms	11-Dec, 10:17- 10:20
	3-4km NE	Heard	3	Burst		HMG	11-Dec, 10:17- 10:20
Stanytsia Luhanska (government- controlled, 16km NE of Luhansk)	2-4km SW	Heard	1	Shot	Assessed as outside the disengagement area near Stanytsia Luhanska	Small arms	10-Dec, 23:03
N edge of Popasna (government- controlled, 69km W of Luhansk)	4-7km SE	Heard	18	Burst		HMG	10-Dec, 22:23- 22:52

⁸ The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, 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 technical monitoring officers, 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 technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-7km SE	Heard	30	Shot		Small arms	10-Dec, 22:23- 22:52
	4-7km SE	Heard	4	Explosion	Undetermined	N/K	10-Dec, 22:23- 22:52
	4-7km SE	Heard	16	Burst		HMG	10-Dec, 23:05- 23:55
	4-7km SE	Heard	9	Shot		Small arms	10-Dec, 23:05- 23:55
	4-7km SE	Heard	6	Explosion	Undetermined	N/K	10-Dec, 23:05- 23:55
	4-7km SE	Heard	15	Shots and bursts		Small arms	10-Dec, 23:05- 23:55
	4-7km SE	Heard	15	Shot		Mortar (type N/K)	10-Dec, 23:05- 23:55
	4-7km SE	Heard	10	Explosion	Undetermined	N/K	10-Dec, 14:57- 15:08
	4-7km SE	Heard	8	Burst		HMG	10-Dec, 14:57- 15:08
	4-7km SE	Heard	5	Shot		HMG	10-Dec, 14:57- 15:08
	4-7km SE	Heard	8	Burst		Small arms	10-Dec, 14:57- 15:08
	4-7km SE	Heard	4	Shot		Small arms	10-Dec, 14:57- 15:08
	3-6km SE	Heard	41	Explosion	Undetermined	N/K	11-Dec, 14:45- 15:17
	3-6km SE	Heard	48	Burst		HMG	11-Dec, 14:45- 15:17
	3-6km SE	Heard	23	Shot		HMG	11-Dec, 14:45- 15:17
	3-6km SE	Heard	16	Burst		Small arms	11-Dec, 14:45- 15:17
	3-6km SE	Heard	7	Shot		Small arms	11-Dec, 14:45- 15:17
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	2	Explosion	Undetermined	N/K	11-Dec, 19:10
	3-5km N	Recorded	1	Illumination flare	ENE to WSW	N/K	11-Dec, 21:40
	7-9km NNE	Recorded	1	Explosion	Undetermined	N/K	11-Dec, 22:13
	6-8km NNE	Recorded	1	Projectile	ESE to WNW	N/K	11-Dec, 22:19
	6-8km NNE	Recorded	3	Projectile	ESE to WNW	N/K	11-Dec, 22:20
	6-8km NNE	Recorded	2	Projectile	ESE to WNW	N/K	11-Dec, 22:21
	4-6km N	Recorded	1	Projectile	E to W	N/K	11-Dec, 22:23
	3-5km N	Recorded	1	Illumination	In vertical flight	N/K	11-Dec, 22:48
	6-8km N	Recorded	1	Projectile	WSW to ENE	N/K	11-Dec, 23:31
	4-6km N	Recorded	1	Illumination flare	W to E	N/K	11-Dec, 23:33
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	11-Dec, 23:40
	7-9km N	Recorded	1	Explosion	Undetermined	N/K	12-Dec, 00:53
	4-6km N	Recorded	2	Projectile	W to E	N/K	12-Dec, 00.55
	4-6km N	Recorded	5	Muzzle flash		N/K	12-Dec, 17:11 12-Dec, 17:12
	4-6km N	Recorded	5	Projectile	W to E (subsequent to previous event)	N/K	12-Dec, 17:12 12-Dec, 17:12
	4-6km N	Recorded	1	Muzzle flash		N/K	12-Dec, 17:13
	4-6km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	12-Dec, 17:13
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	12-Dec, 17:15
	4-6km N	Recorded	1	Projectile	W to E	N/K	12-Dec, 17:15
	4-6km N	Recorded	2	Muzzle flash		N/K	
	+-UKIII IN	Recorded	2	WIUZZIC HASH	1	11/1	12-Dec, 17:22

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km N	Recorded	2	Projectile	W to E (subsequent to previous event)	N/K	12-Dec, 17:22
	4-6km N	Recorded	7	Projectile	W to E	N/K	12-Dec, 17:22
	4-6km N	Recorded	4	Muzzle flash		N/K	12-Dec, 17:25
	4-6km N	Recorded	1	Muzzle flash		N/K	12-Dec, 17:25
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	12-Dec, 17:25
	4-6km N	Recorded	1	Projectile	E to W	N/K	12-Dec, 17:25
	4-6km N	Recorded	4	Projectile	E to W	N/K	12-Dec, 17:26
	4-6km N	Recorded	4	Muzzle flash		N/K	12-Dec, 17:26
	4-6km N	Recorded	4	Projectile	W to E (subsequent to previous event)	N/K	12-Dec, 17:26
	4-6km N	Recorded	1	Muzzle flash		N/K	12-Dec, 17:32
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	12-Dec, 17:36
	4-6km N	Recorded	9	Projectile	W to E	N/K	12-Dec, 17:37
	4-6km N	Recorded	1	Projectile	W to E	N/K	12-Dec, 17:38
	4-6km N	Recorded	5	Projectile	W to E	N/K	12-Dec, 17:39
	4-6km N	Recorded	1	Projectile	W to E	N/K	12-Dec, 17:46
	4-6km N	Recorded	4	Projectile	W to E	N/K	12-Dec, 17:48
About 500m ESE of Pivdenne (formerly Leninske, government- controlled, 40km NE of Donetsk)	2-3km SSE	Heard	17	Shot		HMG	12-Dec, 10:30- 10:37
Yasynuvata (non-government- controlled, 16km NE of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	12-Dec, 10:30
NW edge of Lebedynske (government-controlled, 99km S of Donetsk)	5-6km SSE	Heard	2	Explosion	Undetermined	N/K	12-Dec, 12:42
NW edge of Kostiantynivka (government-controlled, 60km N of Donetsk)	500m E	Heard	70	Shot		Small arms	12-Dec, 10:08
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	8	Projectile	N to S (assessed as outside the disengagement area near Zolote)	N/K	11-Dec, 19:30
About 700m N of the northern edge of Pervomaisk (non-government controlled, 58km W of Luhansk)	4-7km WSW	Heard	7	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	12-Dec, 13:48- 13:52
NE edge of Kalynove- Borshchuvate (non-government controlled, 61km W of Luhansk)	3-5km W	Heard	4	Explosion	Undetermined	N/K	12-Dec, 13:03
E outskirts of Pervomaisk (non- government controlled,58km W of Luhansk)	3-5km WSW	Heard	4	Explosion	Undetermined	N/K	12-Dec, 12:12
About 1.5km NE of Molodizhne (non-government controlled, 63km NW of Luhansk)	3-5km SW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	12-Dec, 13:32
Zolote-3/Stakhanovets (government-controlled, 60km W of Luhansk)	2-3km SSW	Heard	1	Burst	Assessed as outside the disengagement area near Zolote	HMG	12-Dec, 11:32
NE part of Katerynivka (government-controlled, 64km W of Luhansk)	4km SW	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	AGL	8-Dec, 11:00
N edge of Popasna (government- controlled, 69km W of Luhansk)	2-5km E	Heard	22	Explosion	Undetermined	N/K	12-Dec, 14:50- 15:36
	2-5km E	Heard	72	Burst		HMG	12-Dec, 14:50- 15:36
	2-5km E	Heard	39	Shot		HMG	12-Dec, 14:50- 15:36
	2-5km E	Heard	32	Burst		Small arms	12-Dec, 14:50- 15:36
	2-5km E	Heard	67	Shot		Small arms	12-Dec, 14:50- 15:36