

Table of ceasefire violations as of 22 December 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:30
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:32
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:33
	2-4km SE	Recorded	1	Explosion	Impact	N/K	20-Dec, 19:33
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:36
	2-4km SE	Recorded	1	Explosion	Impact	N/K	20-Dec, 19:36
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:37
	2-4km SE	Recorded	1	Projectile	WNW to ESE	N/K	20-Dec, 19:37
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	20-Dec, 19:44
	2-4km SE	Recorded	1	Explosion	Impact	N/K	20-Dec, 19:44
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	10	Projectile	W to E	N/K	21-Dec, 16:51
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	21-Dec, 16:53
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	21-Dec, 17:53
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	21-Dec, 17:55
	1.5-2km ESE	Recorded	2	Projectile	N to S	N/K	21-Dec, 18:22
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	20-Dec, 18:50
	1-3km SSW	Recorded	3	Explosion	Undetermined	N/K	20-Dec, 18:55
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	20-Dec, 22:05
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 00:19
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 00:19
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 17:14
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-3km ESE	Recorded	13	Projectile	N to S	N/K	20-Dec, 20:11
	2-3km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Dec, 20:17
	2-3km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	20-Dec, 20:29
	2-3km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	20-Dec, 20:30
	2-3km ESE	Recorded	3	Projectile	NW to SE	N/K	20-Dec, 20:32
	2-3km ESE	Recorded	1	Projectile	NW to SE	N/K	20-Dec, 20:33
	2-3km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	20-Dec, 20:33
	2-3km ESE	Recorded	31	Projectile	NW to SE	N/K	20-Dec, 20:36
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km ESE	Recorded	1	Explosion	Airburst	N/K	21-Dec, 18:24
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-3km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 01:22
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 01:11
About 1.9km NE of Donetsk central railway station(non-government-	2-4km SSE	Heard	1	Burst		HMG	21-Dec, 10:27

⁹ 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.

controlled, 6km NW of Donetsk city centre)							
About 2.8km NNW of Luhanske (non-government-controlled, 15km SW of Donetsk)	2-3km SW	Heard	1	Burst		HMG	21-Dec, 08:51
	3-4km NE	Heard	1	Shot		HMG	21-Dec, 09:01
	1-2km S	Heard	1	Shot		Small arms	21-Dec, 09:03
	1-2km SSE	Heard	1	Shot		Small arms	21-Dec, 09:08
	1km SE	Heard	2	Shot		Small arms	21-Dec, 09:14
	1-2km ESE	Heard	7	Shot		Small arms	21-Dec, 09:19-09:24
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	1-3km W	Heard	1	Explosion	Undetermined	N/K	21-Dec, 10:17
	1-3km W	Heard	30	Burst		Small arms	21-Dec, 10:17
	1-2km W	Heard	8	Burst		Small arms	21-Dec, 10:25
Petrivske (non-government-controlled, 41km S of Donetsk)	1km NW	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	21-Dec, 12:17
	2.5-3km SSW	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 12:20
	3-5km W	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Dec, 12:32
	1-2km SE	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 12:35
	2km S	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 12:46
	2km SE	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 12:47
	2km SE	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 12:55
	2km SE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	21-Dec, 12:57
	2km W	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Dec, 13:03
	2km SE	Heard	6	Burst	Assessed as outside the disengagement area	Small arms	21-Dec, 13:05
	2km SE	Heard	60	Shot	Assessed as outside the disengagement area	Small arms	21-Dec, 13:06-13:10

About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SSE	Heard	28	Shot	Assessed as outside the disengagement area	Small arms	21-Dec, 13:36
Krasnohorivka (government-controlled, 21km W of Donetsk)	0.3-0.5km N	Heard and saw	1	Explosion	Impact	N/K	21-Dec, 12:29
Pervomaiske (government-controlled, 17km NW of Donetsk)	3-5km S	Heard	4	Explosion	Undetermined	N/K	21-Dec, 10:16
	1-2km S	Heard	16	Burst		Small arms	21-Dec, 10:17-10:18
	1-2km S	Heard	16	Burst		Small arms	21-Dec, 10:25
	3-4km NW	Heard	5	Explosion	Undetermined	N/K	21-Dec, 10:43
Lebedynske (government-controlled, 99km S of Donetsk)	2km NE	Heard	9	Explosion	Undetermined	N/K	21-Dec, 09:53-09:56
	2km NE	Heard	14	Explosion	Undetermined	N/K	21-Dec, 09:57-10:00
About 2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	5km SSE	Heard	23	Explosion	Undetermined	N/K	21-Dec, 09:53-10:00
	4-5km SSE	Heard	12	Burst		HMG	21-Dec, 09:53-10:00
	5km SSE	Heard	3	Explosion	Undetermined	N/K	21-Dec, 10:02-10:12
	4-5km SSE	Heard	6	Burst		Small arms	21-Dec, 10:02-10:12
	4-5km SSE	Heard	10	Burst		HMG	21-Dec, 10:02-10:12
	5km SSE	Heard	5	Explosion	Undetermined	N/K	21-Dec, 10:15-10:25
	4-5km SSE	Heard	12	Shot		Small arms	21-Dec, 12:56
	4-5km SSE	Heard	4	Burst		Small arms	21-Dec, 12:56
	3-4km SSE	Heard	56	Burst		Small arms	21-Dec, 13:12-13:20
About 2km NE Bohdanivka (government-controlled, 41km SW of Donetsk)	5-8km NNW	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	21-Dec, 13:00
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	6	Explosion	Undetermined	N/K	20-Dec, 18:55-18:58
	3-4km SW	Heard	14	Burst		HMG	20-Dec, 19:00-19:04
	4-5km W	Heard	1	Explosion	Undetermined	N/K	20-Dec, 19:37
	4-5km W	Heard	1	Explosion	Undetermined	N/K	20-Dec, 21:30
	3-4km W	Heard	6	Burst		HMG	20-Dec, 21:33-21:34
	4-5km W	Heard	1	Explosion	Undetermined	N/K	21-Dec, 13:45
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km SW	Heard	3	Burst		HMG	20-Dec, 18:46
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 18:46
	2-4km SSE	Heard	3	Burst		HMG	20-Dec, 18:48
	2-4km SSE	Heard	1	Burst		HMG	20-Dec, 19:00
	4-6km ESE	Heard	2	Burst		HMG	20-Dec, 19:01
	2-4km SSE	Heard	1	Burst		HMG	20-Dec, 19:02
	2-4km SSE	Heard	4	Burst		HMG	20-Dec, 19:09
	4-6km SSE	Heard	6	Burst		HMG	20-Dec, 19:14-19:15
	2-4km SSE	Heard	5	Burst		HMG	20-Dec, 19:25-19:26
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 19:32

	2-4km SW	Heard	3	Burst		HMG	20-Dec, 19:42
	2-4km SW	Heard	3	Burst		HMG	20-Dec, 19:45
	2-4km SSE	Heard	6	Burst		HMG	20-Dec, 19:46-19:48
	2-4km SW	Heard	4	Burst		HMG	20-Dec, 19:47-19:48
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 19:52
	2-4km SW	Heard	4	Burst		HMG	20-Dec, 19:57-19:58
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 20:00
	2-4km SSE	Heard	3	Explosion	Undetermined	N/K	20-Dec, 20:19-21:21
	2-4km SW	Heard	2	Burst		HMG	20-Dec, 20:24
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 20:25
	2-4km SW	Heard	2	Burst		HMG	20-Dec, 20:28
	2-4km SW	Heard	6	Burst		HMG	20-Dec, 20:57-20:58
	2-4km SSE	Heard	1	Burst		HMG	20-Dec, 20:59
	4-6km ESE	Heard	5	Burst		HMG	20-Dec, 21:04
	2-4km SSE	Heard	2	Burst		HMG	20-Dec, 21:13
	2-5km SE	Heard	7	Shot		Small arms	20-Dec, 22:13
	2-5km SE	Heard	13	Burst		HMG	20-Dec, 22:13
	2-5km SE	Heard	12	Burst		HMG	20-Dec, 22:27
	2-5km SE	Heard	4	Burst		HMG	20-Dec, 22:31
	4-6km SE	Heard	7	Burst		HMG	20-Dec, 22:34
	4-6km SE	Heard	4	Burst		HMG	20-Dec, 22:37
	4-6km SE	Heard	5	Shot		Small arms	20-Dec, 22:50
	4-6km SE	Heard	12	Burst		HMG	20-Dec, 22:57-22:58
	3-6km SE	Heard	17	Shot		Small arms	20-Dec, 23:09-23:12
	3-6km SE	Heard	8	Burst		HMG	20-Dec, 23:13
	3-6km SE	Heard	10	Burst		HMG	20-Dec, 23:16
	3-6km SE	Heard	7	Shot		Small arms	20-Dec, 23:27
	3-6km SE	Heard	9	Shot		Small arms	20-Dec, 23:32
	3-6km SE	Heard	8	Burst		Small arms	20-Dec, 23:46
	N/K SE	Heard	5	Burst		HMG	20-Dec, 23:48
N Edge of Myronivka (government controlled, 64 km NE of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 10:58
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:04
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:11
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:15
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:16
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:30
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:32
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Dec, 11:37
Kurdiumivka (government-controlled, 54km N of Donetsk)	7-8km S	Heard	2	Explosion	Undetermined	N/K	21-Dec, 11:58
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	21-Dec, 03:07
	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	21-Dec, 03:09
	5-7km SW	Recorded	1	Burst	SE to NW	N/K	21-Dec, 16:25
	5-7km SW	Recorded	1	Burst	NNW to SSE	N/K	21-Dec, 16:25
	5-7km SW	Recorded	9	Projectile	ESE to WNW	N/K	21-Dec, 16:26
	3-5km SW	Recorded	26	Projectile	NNW to SSE	N/K	21-Dec, 16:26
	3-5km SW	Recorded	7	Projectile	NNW to SSE	N/K	21-Dec, 16:27

	5-7km SW	Recorded	9	Projectile	SE to NW	N/K	21-Dec, 16:27
	3-5km SW	Recorded	3	Projectile	NNW to SSE	N/K	21-Dec, 16:28
	3-5km SW	Recorded	9	Projectile	NNW to SSE	N/K	21-Dec, 16:29
	5-7km SW	Recorded	3	Projectile	NNW to SSE	N/K	21-Dec, 16:30
	3-5km SW	Recorded	6	Projectile	NNW to SSE	N/K	21-Dec, 16:43
	3-5km SW	Recorded	8	Projectile	NNW to SSE	N/K	21-Dec, 16:44
	3-5km SW	Recorded	14	Projectile	NNW to SSE	N/K	21-Dec, 16:47
	5-7km SSW	Recorded	3	Projectile	NW to SE	N/K	21-Dec, 18:00
	5-7km SSW	Recorded	2	Illumination flare	In vertical flight	N/K	21-Dec, 18:00
	5-7km S	Recorded	2	Explosion		N/K	21-Dec, 18:01
	5-7km S	Recorded	1	Projectile	WNW to ESE	N/K	21-Dec, 18:03
	5-7km S	Recorded	1	Illumination flare	In vertical flight	N/K	21-Dec, 18:03
E edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km S	Heard	9	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-Dec, 09:22-09:26
	2-3km S	Heard	2	Burst	Assessed as outside the Zolote disengagement area	N/K	21-Dec, 09:22-09:26
	9-11km SE	Heard	2	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-Dec, 13:35
N edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	5-8km S	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Dec, 12:45-12:50
1.7km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	8-10km SE	Heard	24	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-Dec, 13:35-13:57
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	6-8km SE	Heard	18	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-Dec, 14:03-14:30
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	12-16km SW	Heard	30	Explosion	Undetermined	N/K	21-Dec, 15:55-16:25
	12-16km SW	Heard	15	Burst		HMG	21-Dec, 15:55-16:25
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	1	Projectile		N/K	21-Dec, 18:41
	2-4km SSE	Recorded	3	Projectile		N/K	21-Dec, 19:17
	2-3km SE	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 22:11
	2-3km ESE	Recorded	8	Projectile	NNE to SSW	N/K	22-Dec, 03:20
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 17:14
	2-4km SSW	Recorded	1	Explosion		N/K	21-Dec, 19:46
	1-3km SSW	Recorded	18	Explosion	Undetermined	N/K	21-Dec, 20:49
	2-3km S	Recorded	2	Explosion	Undetermined	N/K	21-Dec, 20:49
	1-3km SSW	Recorded	2	Projectile	NE to SW	N/K	21-Dec, 20:50
	2-3km SSW	Recorded	1	Explosion	Outgoing	N/K	21-Dec, 20:50

	1-3km SSW	Recorded	3	Explosion	Undetermined	N/K	21-Dec, 21:12
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 23:38
	0.5-1km S	Recorded	2	Explosion	Outgoing	N/K	21-Dec, 23:39
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 23:39
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	22-Dec, 00:09
	1-2km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Dec, 00:11
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	21-Dec, 20:41
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 20:41
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	1-3km ESE	Recorded	14	Explosion	Undetermined	N/K	21-Dec, 20:00
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	4-6km ENE	Recorded	1	Projectile	WNW to ESE	N/K	21-Dec, 21:19
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	21-Dec, 19:09
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km N	Recorded	16	Projectile	W to E	N/K	21-Dec, 18:40
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Dec, 20:37
	2-5km N	Recorded	2	Explosion	Undetermined	N/K	21-Dec, 21:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Dec, 21:28
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Dec, 01:29
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Dec, 17:07
	3-6km N	Recorded	4	Projectile	W to E	N/K	22-Dec, 17:07
	2-5km NNE	Recorded	3	Projectile	ESE to WNW	N/K	22-Dec, 17:37
	4-6km N	Recorded	2	Projectile	W to E	N/K	22-Dec, 18:01
	4-6km N	Recorded	1	Projectile	W to E	N/K	22-Dec, 18:14
About 1km N of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	22-Dec, 08:55
	5km SW	Heard	17	Explosion	Undetermined	N/K	22-Dec, 09:33-09:45
	5km SW	Heard	1	Explosion	Undetermined	N/K	22-Dec, 09:55
	5km SW	Heard	26	Explosion	Undetermined	N/K	22-Dec, 09:56-10:01
	4-5km SW	Heard	4	Burst		HMG	22-Dec, 09:56-10:01
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km NW	Heard	2	Shot		Small arms	22-Dec, 10:09
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	22-Dec, 10:30-10:32
About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-4km SSW	Heard	2	Burst	Unable to assess as inside or outside the disengagement area	HMG	22-Dec, 11:06
	3-4km SSW	Heard	6	Burst	Unable to assess as inside or outside the disengagement area	HMG	22-Dec, 11:10
	3-4km SSW	Heard	6	Burst	Unable to assess as inside or outside the disengagement area	HMG	22-Dec, 11:10
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km S	Heard	19	Explosion	Undetermined	N/K	22-Dec, 09:40-09:45
	1-2km S	Heard	25	Explosion	Undetermined	N/K	22-Dec, 09:45-10:05
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	22-Dec, 10:31
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	22-Dec, 11:54-11:56

3km NE of Zaichenko (non-government-controlled, 93km south of Donetsk)	2km S	Heard	42	Explosion	Undetermined	N/K	22-Dec, 11:23-11:32
	2km S	Heard	6	Explosion	Undetermined	N/K	22-Dec, 11:35-11:38
	2-3km N	Heard	18	Explosion	Undetermined	N/K	22-Dec, 11:35-11:38
	2-3km N	Heard	8	Explosion	Undetermined	N/K	22-Dec, 11:40
	3-4km NE	Heard	4	Explosion	Undetermined	N/K	22-Dec, 11:47-11:50
	3-4km NE	Heard	32	Burst		Small arms	22-Dec, 11:47-11:50
	4-5km NE	Heard	4	Explosion	Undetermined	N/K	22-Dec, 11:55-11:58
	4-5km NE	Heard		Shot	Uncountable	Small arms	22-Dec, 11:55-11:58
	4-5km NE	Heard		Burst	Uncountable	Small arms	22-Dec, 11:55-11:58
	4-5km NE	Heard		Burst	Uncountable	HMG	22-Dec, 11:55-11:58
	0.5-1km S	Heard	2	Burst		Small arms	22-Dec, 12:02
	3-4km NE	Heard		Burst	Uncountable	Small arms	22-Dec, 12:05-12:06
	3-4km W	Heard		Burst	Uncountable	Small arms	22-Dec, 12:05-12:06
	3-4km NE	Heard		Burst	Uncountable	Small arms	22-Dec, 12:08-12:09
	1-2km N	Heard		Shot	Uncountable	Small arms	22-Dec, 12:08-12:09
	1-2km S	Heard		Burst	Uncountable	Small arms	22-Dec, 12:08-12:09
2km NE of Chernenko (government-controlled, 86km south of Donetsk)	2-3km SSE	Heard	3	Shot		Small arms	22-Dec, 09:39
	1-2km SE	Heard	2	Shot		Small arms	22-Dec, 09:40
	1-2km SE	Heard	4	Shot		Small arms	22-Dec, 09:45
	1-2km SE	Heard	4	Shot		Small arms	22-Dec, 09:50
	1-2km SE	Heard	18	Shot		Small arms	22-Dec, 10:19-10:28
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	22-Dec, 10:57
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	22-Dec, 13:09
	3-5km SE	Heard	2	Explosion	Undetermined	Tank (type N/K)	22-Dec, 13:11
	3-5km SE	Heard	7	Explosion	Undetermined	Tank (type N/K)	22-Dec, 13:14-13:16
	3-5km SE	Heard	10	Explosion	Undetermined	N/K	22-Dec, 13:18-13:24
	1-2km SE	Heard	10	Burst		Small arms	22-Dec, 13:18-13:24
	3-5km SE	Heard		Shot	Uncountable	Small arms	22-Dec, 13:26-13:29
	3-5km SE	Heard		Burst	Uncountable	HMG	22-Dec, 13:26-13:29
	3-5km SE	Heard	50	Shot		Cannon (type N/K)	22-Dec, 13:26-13:29
	3-5km SE	Heard	6	Explosion	Undetermined	N/K	22-Dec, 13:26-13:29

	3-5km SE	Heard	3	Explosion	Undetermined	N/K	22-Dec, 13:31-13:34
	3-5km SE	Heard	5	Burst		HMG	22-Dec, 13:31-13:34
	3-5km SE	Heard	9	Explosion	Undetermined	N/K	22-Dec, 13:35-13:39
	3-5km SE	Heard	8	Explosion	Undetermined	N/K	22-Dec, 13:40-13:42
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	22-Dec, 13:42-13:45
	3-5km SE	Heard		Burst	Uncountable	HMG	22-Dec, 13:46-13:47
	3-5km SE	Heard	27	Shot		Cannon (type N/K)	22-Dec, 13:50
Lomakyne (government-controlled, 93km south of Donetsk)	2km SE	Heard	1	Explosion		N/K	22-Dec, 13:28
3km SE of Lomakyne (government-controlled, 93km south of Donetsk)	2-3km NE	Heard	120	Shot		Small arms	22-Dec, 11:36-11:37
	2-3km NE	Heard	2	Burst		HMG	22-Dec, 11:36-11:37
	2-3km NE	Heard	2	Explosion	Undetermined	N/K	22-Dec, 11:36-11:37
	2-3km NE	Heard	11	Explosion	Undetermined	N/K	22-Dec, 11:37-11:41
	2-3km NE	Heard	2	Burst		HMG	22-Dec, 11:37-11:41
	2-3km NE	Heard	80	Shot		Small arms	22-Dec, 11:37-11:41
	4-5km S	Heard	1	Explosion	Undetermined	N/K	22-Dec, 11:44
	2-3km NE	Heard	17	Explosion	Undetermined	N/K	22-Dec, 11:47-11:57
	2-3km NE	Heard	17	Burst		HMG	22-Dec, 11:47-11:57
	2-3km NE	Heard	30	Shot		Small arms	22-Dec, 11:47-11:57
	2-3km NE	Heard	5	Shot		Small arms	22-Dec, 12:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-5km SE	Heard	7	Explosion	Undetermined	N/K	21-Dec, 19:13-19:17
	2-5km SE	Heard	6	Burst		HMG	21-Dec, 19:13-19:17
	2-5km SE	Heard	10	Shot		Small arms	21-Dec, 19:13-19:17
	2-5km SE	Heard	2	Explosion	Undetermined	N/K	21-Dec, 19:36
	2-5km SE	Heard	5	Shot		Small arms	21-Dec, 19:41
	2-4km SE	Heard	6	Burst		HMG	21-Dec, 21:02
	2-4km SSE	Heard	1	Burst		HMG	21-Dec, 21:11
	2-4km SSE	Heard	2	Burst		HMG	21-Dec, 21:39
	2-4km SSE	Heard	7	Burst		HMG	21-Dec, 21:49-21:50
	2-4km SSE	Heard	7	Burst		HMG	21-Dec, 21:52-21:53
	2-4km S	Heard	1	Explosion	Undetermined	N/K	21-Dec, 21:55
	2-4km SSE	Heard	2	Burst		HMG	21-Dec, 21:56
	2-4km SSE	Heard	1	Burst		HMG	21-Dec, 22:00
	2-4km SSE	Heard	5	Burst		HMG	21-Dec, 22:02-22:06
	4-6km SSE	Heard	3	Explosion	Undetermined	N/K	21-Dec, 22:10
	4-6km SSE	Heard	5	Explosion	Undetermined	N/K	21-Dec, 22:29

	4-6km SE	Heard	3	Burst		HMG	21-Dec, 22:27
	2-4km SSE	Heard	2	Burst		HMG	21-Dec, 22:45
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	21-Dec, 22:55
	2-4km SSE	Heard	3	Burst		HMG	21-Dec, 23:01-23:03
	2-4km SSE	Heard	3	Burst		HMG	21-Dec, 23:04
	2-4km SSE	Heard	4	Explosion	Undetermined	N/K	21-Dec, 23:05-23:06
	2-4km SSE	Heard	2	Burst		HMG	21-Dec, 23:09
	2-5km SSE	Heard	1	Explosion	Undetermined	N/K	22-Dec, 07:52
	2-5km SSE	Heard	9	Shot		Small arms	22-Dec, 07:52
	2-5km SE	Heard	7	Burst		HMG	22-Dec, 08:06
	2-5km SE	Heard	55	Burst		HMG	22-Dec, 11:55-12:02
	2-5km SE	Heard	24	Burst		HMG	22-Dec, 12:05-12:15
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	22-Dec, 12:05-12:15
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	22-Dec, 16:21
	3-4km SE	Heard	8	Burst		HMG	22-Dec, 17:52
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-6km SW	Heard	1	Explosion	Undetermined	N/K	22-Dec, 09:40
	3-5km S	Heard	14	Explosion	Undetermined	N/K	22-Dec, 09:55-10:02
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	22-Dec, 17:20
Kalynove (non-government-controlled, 60km W of Luhansk)	6-8km WNW	Heard	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	22-Dec, 09:21-09:22
S edge of Kalynove (non-government-controlled, 60km W of Luhansk)	6km SSW	Heard	30	Explosion	Undetermined	N/K	22-Dec, 10:10-10:59
4km S of Popasna (government-controlled, 69km W of Luhansk)	8-10km SE	Heard	14	Explosion	Undetermined	N/K	22-Dec, 12:45-12:50
E edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km SE	Heard	3	Shot		SALW	22-Dec, 14:09-14:12