

**Table of ceasefire violations as of 8 December 2019<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	6-Dec, 20:16
	2-4km SE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	6-Dec, 20:16
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	6-Dec, 20:00
	2-4km SE	Recorded	1	Explosion	Subsequent to previous event	N/K	6-Dec, 20:00
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	6-Dec, 20:02
	2-4km SE	Recorded	1	Explosion	Subsequent to previous event	N/K	6-Dec, 20:02
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	6-Dec, 20:03
	2-4km SE	Recorded	1	Explosion	Subsequent to previous event	N/K	6-Dec, 20:03
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	6-Dec, 20:04
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	6-Dec, 20:05
	2-4km SE	Recorded	31	Projectile	WSW to ENE	N/K	6-Dec, 20:12
	2-4km SE	Recorded	4	Explosion	Impact, subsequent to previous event	N/K	6-Dec, 20:12
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	6-Dec, 20:14
	2-4km SE	Recorded	2	Projectile	W to E	N/K	6-Dec, 20:15
	2-4km SE	Recorded	1	Projectile	W to E	N/K	6-Dec, 20:28
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	6-Dec, 20:28
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	6-Dec, 20:28
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	6-Dec, 20:38
	2-4km SE	Recorded	2	Projectile	NW to SE	N/K	6-Dec, 20:39
	2-4km SE	Recorded	1	Projectile	W to E	N/K	6-Dec, 20:41
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	6-Dec, 20:41
	2-4km SE	Recorded	2	Projectile	W to E	N/K	6-Dec, 20:42
2-4km SE	Recorded	3	Illumination flare		N/K	6-Dec, 20:42	
2-4km SE	Recorded	3	Illumination flare		N/K	6-Dec, 20:43	
2-4km SE	Recorded	2	Projectile	W to E	N/K	6-Dec, 20:44	
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	6-Dec, 19:15
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	6-Dec, 19:16
	2-4km ESE	Recorded	26	Projectile	In vertical flight	N/K	7-Dec, 17:09
	2-4km ESE	Recorded	4	Projectile	In vertical flight	N/K	7-Dec, 17:10
	2-4km SE	Recorded	10	Projectile	NNE to SSW	N/K	7-Dec, 17:40
	2-4km SE	Recorded	7	Projectile	WSW to ENE	N/K	7-Dec, 17:42
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	7-Dec, 17:46
	2-4km SE	Recorded	59	Projectile	NE to SW	N/K	7-Dec, 18:03
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	7-Dec, 18:04
	2-4km SE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	7-Dec, 18:04
SMM camera at Donetsk Filtration	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	6-Dec, 19:20
	0.5-1km S	Recorded	2	Muzzle flash		N/K	6-Dec, 19:51

<sup>9</sup> 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.

Station (15km N of Donetsk)	0.5-1km S	Recorded	1	Projectile	NW to SE, subsequent to previous event	N/K	6-Dec, 19:51
	0.5-1km S	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	6-Dec, 19:51
	0.5-1km S	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	6-Dec, 19:51
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	6-Dec, 20:16
	500-800m S	Recorded	1	Muzzle flash		N/K	6-Dec, 21:34
	200-400m SSW	Recorded	1	Explosion	Outgoing	N/K	6-Dec, 22:39
	300-500m S	Recorded	2	Projectile	NW to SE	N/K	7-Dec, 18:19
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km E	Recorded	1	Explosion	Undetermined, also recorded by SMM camera in Chermalyk	N/K	6-Dec, 19:22
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	6-Dec, 19:58
	3-5km SE	Recorded	1	Burst	In vertical flight	N/K	6-Dec, 19:58
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 00:14
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 00:55
SMM camera E of Lomakyne (government-controlled, 93km S of Donetsk)	2-4km ENE	Recorded	1	Illumination flare	In vertical flight, also recorded by SMM camera in Chermalyk	N/K	6-Dec, 20:06
	2-4km ENE	Recorded	9	Projectile	NNW to SSE	N/K	7-Dec, 00:40
	2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	7-Dec, 00:46
	2-4km ENE	Recorded	30	Projectile	N to S	N/K	7-Dec, 00:54
	2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	7-Dec, 00:57
	2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	7-Dec, 00:59
	2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	7-Dec, 01:01
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	7-Dec, 01:18
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km E	Recorded	1	Projectile	In vertical flight	N/K	6-Dec, 18:31
	1-2km E	Recorded	2	Projectile	W to E	N/K	6-Dec, 18:35
	1-2km E	Recorded	1	Projectile	NW to SE	N/K	6-Dec, 18:38
	1-2km E	Recorded	1	Projectile	SW to NE	N/K	6-Dec, 18:47
	1-2km E	Recorded	8	Explosion	Airburst	N/K	6-Dec, 21:17
	1-2km E	Recorded	1	Explosion	Outgoing	N/K	7-Dec, 02:39
	1-2km E	Recorded	1	Projectile	WNW to ESE, subsequent to previous event	N/K	7-Dec, 02:39
	1-2km E	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	7-Dec, 02:39
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	7-Dec, 02:47
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	7-Dec, 05:14
	3-5km ESE	Recorded	10	Projectile	SW to NE	N/K	7-Dec, 18:29
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km WSW	Heard	9	Explosion	Undetermined	N/K	7-Dec, 09:23
	1km WSW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 09:40
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2-3km SW	Heard	8	Shot		Small arms	7-Dec, 10:50-10:55
	2-3km SW	Heard	6	Explosion	Undetermined	N/K	7-Dec, 10:50-10:55
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	7-Dec, 11:00
SE edge of Avdiivka	3-5km E	Heard and saw	1	Explosion	Undetermined	N/K	7-Dec, 09:41

(government-controlled, 17km N of Donetsk)	4-6km WSW	Heard	5	Explosion	Undetermined	N/K	7-Dec, 10:33-10:37
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	7-Dec, 11:06
	2km N	Heard	2	Shot		Small arms	7-Dec, 11:09
Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	3-5km NW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 12:00
	3-5km NNW	Heard	3	Explosion	Undetermined	N/K	7-Dec, 12:08-12:15
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2km S	Heard	10	Shot	Assessed as outside the disengagement area	Small arms	7-Dec, 12:20-12:29
	2-3km S	Heard	3	Shot	Unable to be assessed inside or outside the disengagement area	Small arms	7-Dec, 12:44-12:47
	2-3km SE	Heard	5	Burst	Assessed as outside the Petrivske disengagement area	HMG	7-Dec, 12:53
About 2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-7km SE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	7-Dec, 10:35
SE edge of Kashtanove (non-government-controlled, 13km N of Donetsk)	5km NNW	Heard	5	Explosion	Undetermined	N/K	7-Dec, 13:00
	3km NNW	Heard	5	Explosion	Outgoing	N/K	7-Dec, 13:07-13:11
	2km NNW	Heard	1	Explosion	Impact	N/K	7-Dec, 13:15
1km NW of Pyshevyk (government-controlled, 84km S of Donetsk)	2-5km SE	Heard	2	Burst		HMG	7-Dec, 09:48-09:54
	2-5km SE	Heard	4	Explosion	Undetermined	N/K	7-Dec, 09:48-09:54
	3-5km SSE	Heard	4	Burst		HMG	7-Dec, 10:01
	3-5km ESE	Heard	7	Burst		HMG	7-Dec, 10:10
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 11:26
W edge of Pyshevyk (government-controlled, 84km S of Donetsk)	1-2km SE	Heard	5	Shot		Small arms	7-Dec, 10:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SSE	Heard	3	Burst		Small arms	6-Dec, 18:30
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	6-Dec, 18:30
	2-3km E	Heard	2	Burst		Small arms	6-Dec, 18:31
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	6-Dec, 18:42
	2-3km SW	Heard	2	Burst		Small arms	6-Dec, 18:43
	2-3km SW	Heard	4	Burst		Small arms	6-Dec, 20:30
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	6-Dec, 20:30
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	6-Dec, 20:33
	5-7km S	Heard	1	Explosion	Undetermined	N/K	6-Dec, 20:54
	6-8km S	Heard	13	Explosion	Undetermined	N/K	6-Dec, 21:17-21:18
2-3km SW	Heard	13	Burst		Small arms	6-Dec, 21:18-21:19	

	2-3km SE	Heard	8	Burst		Small arms	6-Dec, 21:19-21:20
	2-3km SW	Heard	10	Burst		Small arms	6-Dec, 22:10
	2-3km SE	Heard	6	Burst		Small arms	6-Dec, 23:05-23:06
	2-3km SE	Heard	6	Burst		Small arms	6-Dec, 23:16
	2-3km SE	Heard	5	Burst		Small arms	6-Dec, 23:26
	2-3km SE	Heard	10	Burst		Small arms	6-Dec, 23:29-23:30
	2-3km SE	Heard	5	Burst		HMG	6-Dec, 23:52
	2-3km SE	Heard	29	Burst		Small arms	6-Dec, 23:52-23:53
	5-7km S		1	Explosion	Undetermined	N/K	7-Dec, 07:46
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	7-Dec, 12:35
	2-3km SW	Heard	22	Burst		Small arms	7-Dec, 12:35-12:36
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 13:14
	2-3km SW	Heard	17	Burst		Small arms	7-Dec, 13:55-13:56
	4-6km S	Heard	1	Explosion	Undetermined	N/K	7-Dec, 14:22
	2-3km E	Heard	24	Shot		Small arms	7-Dec, 15:10-15:13
	2-3km E	Heard	14	Burst		Small arms	7-Dec, 16:16-16:17
	2-3km E	Heard	26	Burst		Small arms	7-Dec, 16:33-16:35
	1-2km SE	Heard	6	Shot		Small arms	7-Dec, 17:15
	2-3km E	Heard	14	Shot		Small arms	7-Dec, 17:19
	2-3km E	Heard	14	Burst		Small arms	7-Dec, 17:19
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 17:50
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km NW	Heard	8	Explosion	Undetermined	N/K	6-Dec, 18:36-18:39
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	6-Dec, 18:44-18:45
	3-5km NW	Heard	6	Burst		HMG	6-Dec, 18:45
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	6-Dec, 18:50
	3-5km NW	Heard	7	Burst		HMG	6-Dec, 18:51
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	6-Dec, 18:53
	3-5km NW	Heard	8	Burst		HMG	6-Dec, 18:53
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	6-Dec, 19:00
	3-5km NW	Heard	2	Burst		HMG	6-Dec, 19:46
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	6-Dec, 22:52-22:53
	3-5km NW	Heard	5	Burst		HMG	6-Dec, 22:53-22:55
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	6-Dec, 22:56
	3-5km NW	Heard	3	Burst		HMG	6-Dec, 22:56-22:58
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	6-Dec, 23:03
	3-5km NW	Heard	25	Burst		HMG	6-Dec, 23:09-23:10
	3-5km NW	Heard	6	Explosion	Undetermined	N/K	6-Dec, 23:11
	3-5km NW	Heard	3	Burst		HMG	6-Dec, 23:58-23:59

	3-5km NW	Heard	9	Burst		HMG	7-Dec, 00:02-00:04
	3-5km NW	Heard	7	Burst		HMG	7-Dec, 00:08-00:09
	4-6km W	Heard	3	Explosion	Undetermined	N/K	7-Dec, 12:07-12:11
	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 12:04
	3-5km SSW	Heard	12	Shot		Small arms	7-Dec, 12:04
	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 12:06
	1-2km SSW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 12:09
About 6km NW of Horlivka (non-government controlled, 39km NE of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 13:13
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km SSE	Heard	7	Explosion	Undetermined	N/K	7-Dec, 09:24
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 09:41
	2-4km NNW	Heard	3	Explosion	Undetermined	N/K	7-Dec, 10:26
	2-4km NNW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 10:32
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	7-Dec, 10:35
	5-7km NW	Heard	4	Explosion	Undetermined	N/K	7-Dec, 10:38-10:43
	1-2km S	Heard	3	Shot		Small arms	7-Dec, 10:49
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	7-Dec, 11:06
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 11:21
N edge of Popasna (government-controlled, 69km W of Luhansk)	8-10km SSW	Heard	3	Shot		HMG	6-Dec, 22:33-22:37
Pryvitne (non-government-controlled, 11km N of Luhansk)	1-2km N	Heard	25	Burst		Small arms	7-Dec, 09:26-09:28
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-0.8km S	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 23:53
	0.5-0.8km SSW	Recorded	1	Projectile	NW to SE	N/K	8-Dec, 00:39
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	13	Projectile	SSW to NNE	N/K	7-Dec, 19:51
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 20:07
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 20:57
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 02:44
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	3	Projectile	SSW to NNE	N/K	7-Dec, 20:34
	2-4km E	Recorded	2	Projectile	SSW to NNE	N/K	7-Dec, 20:35
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 20:56
	2-4km ENE	Recorded	10	Projectile	S to N	N/K	7-Dec, 21:05
	3-5km E	Recorded	2	Projectile	S to N	N/K	7-Dec, 21:05
	3-5km E	Recorded	2	Projectile	S to N	N/K	7-Dec, 23:02
	3-5km E	Recorded	1	Projectile	In vertical flight	N/K	7-Dec, 03:02
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 20:13
	3-5km E	Recorded	1	Explosion	Outgoing	N/K	7-Dec, 20:13
	3-5km E	Recorded	1	Projectile	N to S, subsequent to previous event	N/K	7-Dec, 20:13
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Dec, 22:25
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	7-Dec, 23:17
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 23:18
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	7-Dec, 23:32

SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km E	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 23:57
	2-4km E	Recorded	1	Projectile	WSW to ENE	N/K	7-Dec, 23:58
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	7-Dec, 00:00
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	7-Dec, 00:03
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	7-Dec, 00:07
	4-6km NNE	Recorded	5	Projectile	E to W	N/K	7-Dec, 22:58
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:44
	3-5km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	8-Dec, 00:44
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:45
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:46
	3-5km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	8-Dec, 00:46
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:47
	3-5km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	8-Dec, 00:47
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:48
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	8-Dec, 00:51
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 00:52
	3-5km ENE	Recorded	14	Projectile	WNW to ESE	N/K	8-Dec, 00:56
	3-5km ENE	Recorded	5	Projectile	WNW to ESE	N/K	8-Dec, 00:57
	3-5km ENE	Recorded	7	Projectile	WNW to ESE	N/K	8-Dec, 01:00
	3-5km ENE	Recorded	6	Projectile	WNW to ESE	N/K	8-Dec, 01:06
	3-5km ENE	Recorded	21	Projectile	WNW to ESE	N/K	8-Dec, 01:07
	4-6km ENE	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 01:07
	1-3km ENE	Recorded	19	Projectile	WNW to ESE	N/K	8-Dec, 01:08
	1-3km ENE	Recorded	5	Projectile	WNW to ESE	N/K	8-Dec, 01:20
	1-3km ENE	Recorded	4	Projectile	WNW to ESE	N/K	8-Dec, 01:24
	3-5km ENE	Recorded	3	Explosion	Undetermined	N/K	8-Dec, 01:24
	1-3km ENE	Recorded	1	Projectile	WNW to ESE	N/K	8-Dec, 01:25
	1-3km ENE	Recorded	1	Projectile	WNW to ESE	N/K	8-Dec, 01:26
	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 01:26
	1-3km ENE	Recorded	4	Projectile	WNW to ESE	N/K	8-Dec, 01:27
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	8-Dec, 01:27
	1-3km ENE	Recorded	8	Projectile	WNW to ESE	N/K	8-Dec, 01:28
	2-4km NNE	Recorded	1	Projectile	NW to SE	N/K	8-Dec, 17:59
3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	8-Dec, 17:59	
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	3km S	Heard	2	Explosion	Undetermined	N/K	8-Dec, 09:40-09:45
	1-3km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 09:45
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km WNW	Heard	1	Burst		Small arms	8-Dec, 13:14
	2km WNW	Heard	7	Shot		Small arms	8-Dec, 13:18
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km SW	Heard	4	Shot		Small arms	8-Dec, 09:50
	2km SW	Heard	2	Explosion	Undetermined	N/K	8-Dec, 09:53
	5km N	Heard	1	Explosion	Undetermined	N/K	8-Dec, 10:00
	1-2km NW	Heard	11	Shot		Small arms	8-Dec, 10:06
	1-2km NW	Heard	26	Shot		Small arms	8-Dec, 10:13
	2km SW	Heard	2	Explosion	Undetermined	N/K	8-Dec, 10:15
2km SW	Heard	4	Burst		Small arms	8-Dec, 10:18	

	2km SW	Heard	10	Shot		Small arms	8-Dec, 10:18
	2km NW	Heard	32	Shot		Small arms	8-Dec, 10:21-10:26
	5km NW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 10:27
	2km NW	Heard	11	Shot		Small arms	8-Dec, 10:35
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	8-Dec, 10:35
	2km NW	Heard	4	Shot		Small arms	8-Dec, 10:40
	2km NW	Heard	2	Shot		Small arms	8-Dec, 10:43
	5km NW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 10:44
	3km WNW	Heard	4	Shot		Small arms	8-Dec, 10:44
	4km WNW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 10:45
	2-3km WNW	Heard	19	Shot		Small arms	8-Dec, 10:45-10:54
	2-3km S	Heard	9	Shot		Small arms	8-Dec, 10:45-10:54
	2km SW	Heard	4	Shot		Small arms	8-Dec, 10:55
	2km NW	Heard	5	Burst		HMG	8-Dec, 13:30
	2-3km NW	Heard	1	Burst		HMG	8-Dec, 13:35
	2km NW	Heard	2	Burst		Small arms	8-Dec, 13:40
	2km NW	Heard	11	Burst		Small arms	8-Dec, 13:45
	2km W	Heard	6	Shot		Small arms	8-Dec, 13:55
	1.5km W	Heard and saw	1	Explosion	Impact	Mortar (type N/K)	8-Dec, 13:58
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km E	Heard	12	Shot	Assessed as outside the disengagement area	Small arms	8-Dec, 11:50
	3-4km SE	Heard	6	Shot	Assessed as outside the disengagement area	Small arms	8-Dec, 13:45
	2-3km WNW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	8-Dec, 13:47
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-4km SSE	Heard	3	Explosion	Undetermined (assessed as outside of disengagement area )	N/K	8-Dec, 10:46
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	1-2km SW	Heard	2	Shot		Small arms	8-Dec, 13:52
NW edge of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	2-3km WNW	Heard	1	Shot		HMG	8-Dec, 12:02
SW edge of Avdiivka	1-2km S	Heard	8	Shot		Small arms	8-Dec, 11:56

(government-controlled, 17km N of Donetsk)	1-2km S	Heard	11	Shot		Small arms	8-Dec, 12:01
About 2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	3-4km NE	Heard	12	Shot		Small arms	8-Dec, 09:41
	3-4km NE	Heard	1	Explosion	Undetermined	N/K	8-Dec, 09:41
About 3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	5km SW	Heard	1	Explosion	Undetermined	N/K	8-Dec, 10:50-10:55
	N/K SE	Heard	2	Shot		Small arms	8-Dec, 10:50-10:55
Lebedynske (government-controlled, 16km NE of Mariupol)	3-4km SE	Heard	3	Burst		HMG	8-Dec, 11:57
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km E	Heard	14	Burst		Small arms	7-Dec, 16:16-16:17
	2-3km E	Heard	26	Burst		Small arms	7-Dec, 16:33-16:35
	1-2km SE	Heard	6	Shot		Small arms	7-Dec, 17:15
	2-3km E	Heard	14	Shot		Small arms	7-Dec, 17:19
	2-3km E	Heard	14	Burst		Small arms	7-Dec, 17:19
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 17:50
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	7-Dec, 19:06
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	7-Dec, 19:40
	4-6km SE	Heard	2	Burst		HMG	7-Dec, 19:40
	5-7km SE	Heard	4	Explosion	Undetermined	N/K	7-Dec, 19:54
	4-7km SE	Heard	5	Burst		HMG	7-Dec, 19:56
	4-7km SE	Heard	2	Explosion	Undetermined	N/K	7-Dec, 20:07
	4-7km SE	Heard	3	Explosion	Undetermined	N/K	7-Dec, 20:08
	5-7km SE	Heard	2	Explosion	Undetermined	N/K	7-Dec, 20:10
	4-7km SE	Heard	3	Explosion	Undetermined	N/K	7-Dec, 20:15-20:17
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 20:18
	3-5km SE	Heard	5	Burst		Small arms	7-Dec, 20:25
	4-6km SE	Heard	3	Explosion	Undetermined	N/K	7-Dec, 20:37-20:39
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 20:40
	4-7km SE	Heard	2	Explosion	Undetermined	N/K	7-Dec, 20:41
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 20:42
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 20:43
	4-6km SE	Heard	6	Explosion	Undetermined	N/K	7-Dec, 20:49-20:59
	4-6km SE	Heard	7	Explosion	Undetermined	N/K	7-Dec, 20:50-20:56
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	7-Dec, 21:55
	5-6km NE	Heard	1	Explosion	Undetermined	N/K	8-Dec, 11:02
	5-6km SE	Heard	3	Explosion	Undetermined	N/K	8-Dec, 18:05
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km NW	Heard	7	Explosion	Undetermined	N/K	8-Dec, 15:30-15:33
	4-5km NW	Heard	2	Explosion	Undetermined	N/K	8-Dec, 15:40
Kadiivka (formerly Stakhanov, non-government-	12-15km WSW	Heard	2	Explosion	Undetermined	N/K	7-Dec, 19:10

controlled, 50km W of Luhansk)							
2.5km SE of Bobrove (government-controlled, 56km NW of Luhansk)	1.5-2km SW	Heard	1	Shot		Small arms	8-Dec, 09:21
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km E	Recorded	7	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	7-Dec, 20:44
	3-5km ESE	Recorded	3	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	7-Dec, 20:54
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 21:48
	3-5km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 22:17
	3-5km E	Recorded	4	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	7-Dec, 22:19
	3-5km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	7-Dec, 22:19
	3-5km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 22:24
	3-5km E	Recorded	1	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	7-Dec, 22:24
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 20:51
	4-6km ENE	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	7-Dec, 20:52
	4-6km ENE	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)	N/K	7-Dec, 20:53
	4-6km ENE	Recorded	1	Projectile	NNW to SSE (assessed as outside the	N/K	7-Dec, 20:54

					disengagement area)		
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 21:48
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 22:12
	4-6km E	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	7-Dec, 22:12
	4-6km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Dec, 22:27