

Table of ceasefire violations as of 19 January 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	20	Projectile	In vertical flight	N/K	18-Jan, 18:26
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	18-Jan, 18:26
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	17-Jan, 21:17
	0.5-1km SSW	Recorded	1	Burst	SE to NW	N/K	18-Jan, 00:55
	0.1-1km S	Recorded	1	Burst	S to N	N/K	18-Jan, 00:55
	0.5-1km SSW	Recorded	5	Burst	SE to NW	N/K	18-Jan, 01:17
	0.5-1km SSW	Recorded	24	Projectile	S to N	N/K	18-Jan, 02:06
	0.5-1km S	Recorded	1	Explosion	Airburst, subsequent to previous even	N/K	18-Jan, 02:06
	0.5-1km S	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Jan, 02:07
	0.5-1km SSW	Recorded	34	Projectile	SE to NW	N/K	18-Jan, 02:08
	0.8-1km S	Recorded	3	Projectile	S to N	N/K	18-Jan, 02:08
	0.5-1km SSW	Recorded	2	Burst	SE to NW	N/K	18-Jan, 02:19
	0.5-1km S	Recorded	1	Projectile	S to N	N/K	18-Jan, 02:19
	0.5-1km SSE	Recorded	1	Projectile	SW to NE	N/K	18-Jan, 02:19
	0.8-1km S	Recorded	2	Muzzle flash		N/K	18-Jan, 02:19
	0.5-1km SSW	Recorded	1	Projectile	SE to NW	N/K	18-Jan, 02:21
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSW	Recorded	5	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	12-Jan, 17:35
	1-2km SSW	Recorded	2	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	12-Jan, 18:07
	1-2km SSW	Recorded	3	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	12-Jan, 22:32
	1-2km SSW	Recorded	1	Projectile	E to W (assessed as inside the disengagement area)	N/K	12-Jan, 23:01
	0.5-1.5km SSW	Recorded	1	Projectile	SE to NW (assessed as inside the disengagement area)	N/K	14-Jan, 20:04
	0.5-1.5km SSW	Recorded	1	Projectile	SE to NW (assessed as inside	N/K	14-Jan, 20:36

¹⁰ 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.

					the disengagement area)		
	0.5-1.5km SSW	Recorded	1	Projectile	SE to NW (assessed as inside the disengagement area)	N/K	14-Jan, 23:00
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	17-Jan, 18:40
	2-4km N	Recorded	6	Projectile	ESE to WNW	N/K	17-Jan, 19:26
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Jan, 19:27
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Jan, 19:31
	2-4km N	Recorded	4	Projectile	E to W	N/K	17-Jan, 19:32
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Jan, 19:34
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	17-Jan, 19:41
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	17-Jan, 20:16
	3-5km N	Recorded	4	Projectile	ESE to WNW	N/K	17-Jan, 20:53
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	17-Jan, 20:56
	3-5km N	Recorded	1	Projectile	E to W	N/K	17-Jan, 21:40
	2-4km NNE	Recorded	3	Projectile	ESE to WNW	N/K	17-Jan, 22:10
	2-4km NNE	Recorded	10	Projectile	W to E	N/K	17-Jan, 22:11
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	17-Jan, 22:12
	2-4km NNE	Recorded	1	Muzzle flash		N/K	18-Jan, 01:20
	2-4km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	18-Jan, 01:20
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Jan, 01:20
	2-4km NNE	Recorded	8	Projectile	W to E	N/K	18-Jan, 01:20
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	18-Jan, 01:21
	2-4km NNE	Recorded	9	Projectile	W to E	N/K	18-Jan, 01:47
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 01:49
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 01:50
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	18-Jan, 01:51
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 01:52
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 02:26
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 02:28
	2-4km NNE	Recorded	1	Muzzle flash		N/K	18-Jan, 03:33
	2-4km NNE	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	18-Jan, 03:33
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Jan, 03:33
	2-4km NNE	Recorded	7	Explosion	Undetermined	N/K	18-Jan, 04:18
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 04:19
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 04:20
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	18-Jan, 05:36
2-4km NNE	Recorded	3	Projectile	W to E	N/K	18-Jan, 06:20	
2-4km NNE	Recorded	5	Projectile	W to E	N/K	18-Jan, 06:21	
2-4km NNE	Recorded	6	Projectile	W to E	N/K	18-Jan, 06:22	
2-4km N	Recorded	1	Projectile	W to E	N/K	18-Jan, 17:01	
2-4km N	Recorded	2	Projectile	W to E	N/K	18-Jan, 17:04	
2-4km N	Recorded	2	Projectile	W to E	N/K	18-Jan, 17:05	
4-6km N	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 17:40	

	2-4km N	Recorded	5	Projectile	E to W	N/K	18-Jan, 18:06
	2-4km N	Recorded	1	Muzzle flash		N/K	18-Jan, 18:08
	2-4km N	Recorded	2	Projectile	E to W (subsequent to previous event)	N/K	18-Jan, 18:08
	2-4km N	Recorded	1	Projectile	E to W	N/K	18-Jan, 18:17
About 4km NW of Debaltseve (non- government- controlled, 58km NE of Donetsk)	3-5km N	Heard	3	Burst		HMG	18-Jan, 10:00
E part of Krasnohorivka (government- controlled, 21km W of Donetsk)	1km E	Heard	8	Explosion	Undetermined	N/K	18-Jan, 10:35- 10:38
	1km E	Heard	27	Shot		Small arms	18-Jan, 10:35- 10:38
	1km E	Heard	15	Shot		Small arms	18-Jan, 10:39
	1km E	Heard	4	Explosion	Undetermined	N/K	18-Jan, 10:43
	1km E	Heard	13	Burst		Small arms	18-Jan, 10:43
	1km E	Heard	11	Shot		Small arms	18-Jan, 10:51
	1km E	Heard	8	Shot		Small arms	18-Jan, 10:58
About 2km SW of Marinka (government- controlled, 23km SW of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	18-Jan, 10:17
Svitlodarsk (government- controlled, 57km NE of Donetsk)	5-6km SW	Heard	2	Explosion	Undetermined	N/K	17-Jan, 18:34
	6-7km SW	Heard	1	Explosion	Undetermined	N/K	17-Jan, 19:21
	2-4km SW	Heard	3	Burst		HMG	17-Jan, 21:03
	2-5km SE	Heard	14	Burst		HMG	17-Jan, 21:18- 21:20
	2-5km SE	Heard	6	Burst		HMG	17-Jan, 21:29
	2-5km SE	Heard	11	Burst		HMG	17-Jan, 21:35- 21:39
	2-5km SE	Heard	5	Shot		Small arms	17-Jan, 21:46
	2-5km ESE	Heard	4	Explosion	Undetermined	N/K	17-Jan, 21:54
	2-5km SE	Heard	4	Burst		HMG	17-Jan, 21:58
	2-5km SE	Heard	11	Burst		HMG	17-Jan, 22:14- 22:17
	2-5km SE	Heard	4	Burst		HMG	17-Jan, 22:27
	2-5km SE	Heard	9	Burst		HMG	17-Jan, 22:31- 22:36
	2-5km SE	Heard	4	Burst		HMG	17-Jan, 22:41
	5-6km SW	Heard	4	Explosion	Undetermined	N/K	18-Jan, 14:34
4-6km SW	Heard	1	Explosion	Undetermined	N/K	18-Jan, 17:20	
About 500m NE of Kamianka (government- controlled, 20km N of Donetsk)	1-2km NE	Heard	1	Explosion	Undetermined	N/K	18-Jan, 08:59

SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	5-7km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	18-Jan, 00:36
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km E	Recorded	3	Projectile	SSW to NNE (assessed as outside of disengagement area)	N/K	18-Jan, 16:50
	2-4km NE	Recorded	1	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	18-Jan, 16:52
	2-4km E	Recorded	1	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	18-Jan, 16:52
	2-4km NE	Recorded	1	Explosion	Undetermined (assessed as outside of disengagement area)	N/K	18-Jan, 17:01
	2-4km ENE	Recorded	1	Explosion	Undetermined, assessed as outside of disengagement area	N/K	18-Jan, 17:11
	2-4km E	Recorded	1	Muzzle flash	Assessed as outside of disengagement area	N/K	18-Jan, 17:23
	2-4km E	Recorded	1	Projectile	W to E (assessed as outside of disengagement area, subsequent to previous event)	N/K	18-Jan, 17:23
S edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	7-10km NNW	Heard	1	Explosion	Undetermined	N/K	18-Jan, 12:10
	2-3km NNE	Heard	14	Shot		HMG	18-Jan, 12:10-12:26
	3-5km NNW	Heard	52	Explosion	Undetermined	N/K	18-Jan, 12:50-13:28
	3-5km NNW	Heard	87	Shot		HMG	18-Jan, 12:50-13:28
	3-5km NNW	Heard	25	Burst		HMG	18-Jan, 12:50-13:28
	3-5km NNE	Heard	21	Explosion	Undetermined	N/K	18-Jan, 13:01-13:28
	3-5km NNE	Heard	105	Shot and Burst		N/K	18-Jan, 13:01-13:28
	4-5km N	Heard	131	Explosion	Undetermined	N/K	18-Jan, 13:00-13:28
1.3km NE of Dachne (non-government-	4-6km N	Heard	61	Shot		HMG	18-Jan, 12:28-12:41

controlled, 47km W of Luhansk)							
N edge of Popasna (government-controlled, 69km west of Luhansk)	10-15km NE	Heard	60	Explosion	Undetermined	N/K	18-Jan, 13:21-13:35
	10-15km NE	Heard	58	Explosion	Undetermined	N/K	18-Jan, 17:00-17:15
Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km NE	Heard	11	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Jan, 13:42-13:50
	2-3km NE	Heard	2	Shot	Assessed as outside the disengagement area	N/K	18-Jan, 13:42-13:50
	2-3km NE	Heard	2	Burst	Assessed as outside the disengagement area	HMG	18-Jan, 13:42-13:50
1.7km SW of Molodizhne (non-government-controlled, 63km W of Luhansk)	7-10km NE	Heard	16	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Jan, 14:05-14:22
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	6-8km NE	Heard	7	Burst	Assessed as outside the disengagement area	HMG	18-Jan, 14:39-14:41
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	1	Illumination flare		N/K	19-Jan, 18:13
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Muzzle flash		N/K	18-Jan, 21:32
	2-4km SE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	18-Jan, 21:32
	3-6km SSE	Recorded	5	Projectile	SW to NE	N/K	18-Jan, 21:32
	3-6km SSE	Recorded	4	Explosion	Undetermined	N/K	18-Jan, 21:32
	3-6km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	18-Jan, 21:33
	3-6km SSE	Recorded	1	Projectile	WSW to ENE	N/K	18-Jan, 21:34
	3-6km SSE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Jan, 21:34
	2-4km SE	Recorded	1	Projectile	NNW to SSE	N/K	18-Jan, 21:42
	2-4km SE	Recorded	1	Projectile	NNW to SSE	N/K	18-Jan, 21:43
	2-4km SE	Recorded	1	Projectile	NNW to SSE	N/K	18-Jan, 21:44
	2-4km SE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Jan, 21:44
	1-2km SE	Recorded	1	Projectile	NNW to SSE	N/K	18-Jan, 21:49
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	18-Jan, 21:50
	3-6km SSE	Recorded	1	Projectile	SW to NE	N/K	18-Jan, 21:50

	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	18-Jan, 21:51
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	2	Projectile	NNE to SSW	N/K	19-Jan, 18:20
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	19-Jan, 18:25
	3-2km SE	Recorded	1	Burst	NNE to SSW	N/K	19-Jan, 18:34
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 84km S of Donetsk)	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K	19-Jan, 00:58
	2-4km ESE	Recorded	1	Muzzle flash		N/K	19-Jan, 00:58
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (subsequent to previous event)	N/K	19-Jan, 00:58
	2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	19-Jan, 01:01
	2-4km ESE	Recorded	2	Projectile	NNW to SSE	N/K	19-Jan, 01:02
	2-4km ESE	Recorded	4	Projectile	N to S	N/K	19-Jan, 01:05
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	19-Jan, 01:06
	2-4km ESE	Recorded	1	Muzzle flash		N/K	19-Jan, 01:07
	2-4km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	19-Jan, 01:07
	2-4km ESE	Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	19-Jan, 01:07
	2-4km ESE	Recorded	9	Projectile	N to S	N/K	19-Jan, 01:07
	2-4km ESE	Recorded	3	Projectile	NNW to SSE	N/K	19-Jan, 01:10
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 01:11
	2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	19-Jan, 01:20
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 01:20	
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 03:41
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1.5km SW	Recorded	1	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	15-Jan, 20:06
	0.5-1.5km SSW	Recorded	1	Projectile	E to W (assessed as inside the disengagement area)	N/K	15-Jan, 20:06
	0.5-1.5km SSW	Recorded	1	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	16-Jan, 00:40
	0.5-1.5km SSW	Recorded	2	Projectile	ESE to WNW (assessed as inside the disengagement area)	N/K	16-Jan, 01:02
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 18:51
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 22:46
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 22:51
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 22:53
	2-4km N	Recorded	3	Projectile	ESE to WNW	N/K	18-Jan, 22:53
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 22:56
	2-4km N	Recorded	5	Projectile	ESE to WNW	N/K	18-Jan, 22:57
2-4km N	Recorded	1	Muzzle flash		N/K	18-Jan, 23:00	

	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 23:05
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 23:07
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	18-Jan, 23:08
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Jan, 23:20
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	18-Jan, 23:21
	2-4km NE	Recorded	2	Projectile	NE to SW	N/K	19-Jan, 17:04
	2-4km NE	Recorded	2	Projectile	NE to SW	N/K	19-Jan, 17:06
	2-4km N	Recorded	9	Explosion	Undetermined	N/K	19-Jan, 17:08
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 17:20
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 17:38
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 17:39
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 18:07
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	3km NW	Heard	20	Burst		Small arms	19-Jan, 08:26
E part of Krasnohorivka (government-controlled, 21km W of Donetsk)	1.5km ENE	Heard	3	Shot		Small arms	19-Jan, 10:12
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-5km SE	Heard	5	Explosion	Undetermined	N/K	18-Jan, 21:52-21:54
	2-5km SE	Heard	4	Explosion	Undetermined	N/K	18-Jan, 22:15-22:16
	2-5km SE	Heard	6	Explosion	Undetermined	N/K	18-Jan, 22:31-22:33
	2-5km SE	Heard	7	Explosion	Undetermined	N/K	18-Jan, 22:34-22:36
	2-5km SE	Heard	2	Explosion	Undetermined	N/K	18-Jan, 22:49
	3-6km SW	Heard	1	Burst		HMG	18-Jan, 22:53
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	13	Projectile	ESE to WNW	N/K	18-Jan, 20:07
	3-5km SSW	Recorded	2	Projectile	ESE to WNW	N/K	18-Jan, 20:21
	3-5km SW	Recorded	8	Projectile	N to S	N/K	19-Jan, 00:28
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 02:23
	2-4km SSW	Recorded	2	Projectile	ESE to WNW	N/K	19-Jan, 02:24
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Jan, 04:18
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 16:42
	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 16:42
	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 16:53
	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as	N/K	19-Jan, 16:53

					outside the disengagement area)		
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km NNW	Heard	50	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Jan, 17:00-17:17
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	4-6km NNE	Heard	15	Explosion	Undetermined	N/K	19-Jan, 08:55-09:17
	4-6km NNE	Heard	21	Shot		HMG	19-Jan, 08:55-09:17
	4-6km NNE	Heard	20	Burst		HMG	19-Jan, 08:55-09:17
	4-6km NNE	Heard	30	Shot		Small arms	19-Jan, 08:55-09:17
Kalynove (non-government-controlled, 60km W of Luhansk)	7-9km N	Heard	5	Shot		N/K	19-Jan, 09:01-09:02
	10-12km NNE	Heard	2	Explosion	Undetermined	N/K	19-Jan, 09:20-09:23
E edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	2-5km N	Heard	5	Shot		HMG	19-Jan, 10:09
	2-5km N	Heard	15	Explosion	Undetermined	Mortar (n/k)	19-Jan, 10:09-10:15
	2-4km N	Heard	6	Burst		HMG	19-Jan, 10:24
Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	5-7km NW	Heard	5	Explosion	Undetermined	N/K	19-Jan, 10:22-10:30
N edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	5-7km W	Heard	19	Explosion	Undetermined	N/K	19-Jan, 11:48-12:10
	3-5km NW	Heard	2	Explosion	Undetermined	Artillery (n/k)	19-Jan, 11:58
	2km NW	Heard	1	Shot		Small arms	19-Jan, 12:15
	2km NW	Heard	1	Burst		Small arms	19-Jan, 12:15
NW edge of Berdianka (non-government-controlled, 45km W of Luhansk)	10-15km N	Heard	45	Explosion	Undetermined	N/K	19-Jan, 11:09-11:28
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	6-8km NE	Heard	45	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 11:25-11:45
	6-8km N	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 11:25-11:45
	6-8km NE	Heard	24	Burst	Assessed as outside the	HMG	19-Jan, 11:25-11:45

					disengagement area		
N edge of Popasna (government-controlled, 69km west of Luhansk)	10-15km ENE	Heard	11	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	19-Jan, 11:54-12:20
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km NE	Heard	22	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 11:58-12:08
	3-5km NNE	Heard	10	Burst	Assessed as outside the disengagement area	HMG	19-Jan, 11:58-12:08
	2-3km NNE	Heard	19	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 14:40-14:50
	2-3km NNE	Heard	20	Burst	Assessed as outside the disengagement area	Small arms	19-Jan, 14:40-14:50
	2-3km NNE	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	19-Jan, 14:40-14:50
	4-6km ENE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	19-Jan, 14:40-14:50
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km NNW	Heard	24	Explosion	Undetermined	N/K	19-Jan, 16:45-17:04