

Table of ceasefire violations as of 23 February 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SW	Recorded	1	Projectile	ESE to WNW	N/K	21-Feb, 21:47
	1-2km SW	Recorded	1	Projectile	ESE to WNW	N/K	21-Feb, 22:27
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	2	Muzzle flash		N/K	21-Feb, 20:59
	2-4km SE	Recorded	2	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 20:59
	2-4km SE	Recorded	1	Muzzle flash		N/K	21-Feb, 20:59
	2-4km SE	Recorded	1	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 21:01
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:58
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:58
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	21-Feb, 23:58
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Muzzle flash	W to E	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 23:59
	3-5km NE	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:59
	2-4km NE	Recorded	1	Muzzle flash		N/K	22-Feb, 00:00
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 00:02
3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 00:05	
2-4km NE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 05:37	
E of Starolaspa (non-government-controlled, 51km S of Donetsk)	1-2km SSE	Heard	15	Shot		Small arms	22-Feb, 11:50
Chermalyk (government-controlled, 77km S of Donetsk)	2-3km E	Heard	3	Shot		Small arms	22-Feb, 12:30
About 500m W Pivnichne (government-controlled, 44km NE of Donetsk)	3-5km E	Heard	2	Explosion	Undetermined	N/K	22-Feb, 10:48-10:49
Svitlodarsk (government-controlled, 57km NE of Donetsk)	1-3km SE	Heard	9	Shot		Small arms	21-Feb, 18:59
	1-3km SE	Heard	24	Burst		Small arms	21-Feb, 19:00-19:01
	1-3km SE	Heard		Burst	Uncountable	HMG	21-Feb, 19:10-19:15

¹⁰The table only includes ceasefire violations directly observed by the 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.

1-3km SE	Heard		Shot	Uncountable	Small arms	21-Feb, 19:13-19:15
1-3km SE	Heard	31	Shot		Small arms	21-Feb, 19:16-19:29
1-3km SE	Heard	30	Burst		HMG	21-Feb, 19:20-19:27
3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 19:28
1-3km SE	Heard		Shots and bursts	Uncountable	Small arms	21-Feb, 19:41-19:43
1-3km SE	Heard	45	Shot		Small arms	21-Feb, 19:43-19:59
1-3km SE	Heard	29	Burst		HMG	21-Feb, 19:45-20:00
5-7km SW	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:01
5-7km SE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 20:01-20:02
3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:04
1-3km SE	Heard	68	Burst		Small arms	21-Feb, 20:07-20:26
1-3km SE	Heard	9	Shot		Small arms	21-Feb, 20:10-20:16
3-5km SE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 20:17-20:25
1-3km SE	Heard		Shots and bursts	Uncountable	HMG	21-Feb, 20:31-20:34
1-3km SE	Heard	9	Burst		Small arms	21-Feb, 20:38-21:00
3-5km SSE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:42
1-3km SE	Heard	21	Shot		Small arms	21-Feb, 20:53-20:59
7-8km SSE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 21:14-23:32
2-3km SE	Heard	8	Burst		HMG	21-Feb, 21:15-21:17
2-3km SE	Heard	6	Burst		HMG	21-Feb, 21:25
1-3km SE	Heard	15	Shot		Small arms	21-Feb, 21:27
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 21:31
2-3km SE	Heard	14	Burst		HMG	21-Feb, 21:34-21:35
1-3km SE	Heard	22	Shot		Small arms	21-Feb, 21:37-21:39
2-3km SE	Heard	3	Burst		HMG	21-Feb, 21:38
6-7km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 21:46
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 21:46
6-7km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 21:50
2-3km SE	Heard	26	Burst		HMG	21-Feb, 21:52-21:55
1-3km SE	Heard	2	Shot		Small arms	21-Feb, 21:57
2-3km SE	Heard	15	Burst		HMG	21-Feb, 21:59-22:00
2-3km SE	Heard	1	Burst		HMG	21-Feb, 22:02
1-3km SE	Heard	5	Shot		Small arms	21-Feb, 22:17-22:18
2-3km SE	Heard	3	Burst		HMG	21-Feb, 22:23
5-6km SE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 22:24
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 22:24
2-3km SE	Heard	12	Burst		HMG	21-Feb, 22:27
1-3km SE	Heard	2	Shot		Small arms	21-Feb, 22:31
2-3km SE	Heard	4	Burst		HMG	21-Feb, 22:37
2-3km SE	Heard	3	Burst		HMG	21-Feb, 22:48
1-3km SE	Heard	8	Shot		Small arms	21-Feb, 22:50
2-3km SE	Heard	7	Burst		HMG	21-Feb, 23:07-23:09
1-3km SE	Heard	15	Shot		Small arms	21-Feb, 23:08-23:09

	2-3km SE	Heard	8	Burst		HMG	21-Feb, 23:14-23:16
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 23:18-23:20
	2-3km SE	Heard	2	Burst		HMG	21-Feb, 23:26
	2-3km SSE	Heard	61	Burst		HMG	21-Feb, 23:32-23:40
	1-3km SSE	Heard	15	Shot		Small arms	21-Feb, 23:33-23:38
	2-3km SE	Heard	10	Burst		HMG	21-Feb, 23:48-23:50
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 23:51
	1-3km SE	Heard	5	Shot		Small arms	21-Feb, 23:52
	2-3km SE	Heard	8	Burst		HMG	21-Feb, 23:57
	5-7km SSE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 15:22
	5-7km SSE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 15:23
	5-7km SSE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 15:31
	2-3km SSE	Heard	2	Burst		HMG	22-Feb, 15:31
	1-3km E	Heard	6	Burst		HMG	22-Feb, 18:25
2.5km NE of Vyskryva (government-controlled, 76km W of Luhansk)	12-15km WSW	Heard	2	Explosion	Undetermined	N/K	22-Feb, 10:50-11:00
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-4km NW	Heard	4	Burst		Small arms	22-Feb, 12:02-12:03
	2-4km NNE	Heard	4	Burst		HMG	22-Feb, 13:39-13:40
	3-5km E	Heard	8	Explosion	Undetermined	N/K	22-Feb, 13:39-13:59
	3-5km E	Heard	50	Burst		HMG	22-Feb, 13:39-13:59
	3-5km NNE	Heard	45	Burst		HMG	22-Feb, 14:00-14:15
	3-5km NNE	Heard	42	Explosion	Undetermined	N/K	22-Feb, 14:00-14:15
	2-4km NNW	Heard	65	Burst		Small arms	22-Feb, 14:20-14:32
	3-5km NNE	Heard	13	Explosion	Undetermined	N/K	22-Feb, 14:20-14:32
	2-4km NNW	Heard	45	Shot		HMG	22-Feb, 14:20-14:32
	3-5km NNE	Heard	19	Burst		HMG	22-Feb, 14:20-14:32
NW edge of Orikhove (government-controlled, 57km NW of Luhansk)	3-5km SE	Heard	3	Explosion	Undetermined	N/K	22-Feb, 13:22-13:45
	8-10km ESE	Heard	4	Explosion	Undetermined	N/K	22-Feb, 13:22-13:45
	3-5km ESE	Heard	25	Shot and burst		N/K	22-Feb, 14:25-15:00
	8-12km E	Heard	79	Explosion	Undetermined	N/K	22-Feb, 14:25-15:00
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Muzzle flash		N/K	22-Feb, 21:18
	2-4km SE	Recorded	1	Projectile	WSW to ENE (subsequent to the previous event)	N/K	22-Feb, 21:18
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 21:20
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	22-Feb, 21:20
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-7km SE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 05:44
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Explosion	Airburst	N/K	22-Feb, 19:16
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 19:18
	1.5-3km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 19:19
	0.5-2km S	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 00:19
	0.5-2km SSW	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:14
	0.5-2km SSW	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:30
	0.5-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Feb, 02:35
SMM camera at entry-exit checkpoint in Maiorsk (government-	2-4km ENE	Recorded	15	Projectile	SE to NW	N/K	22-Feb, 21:23
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 04:36
	2-4km E	Recorded	1	Muzzle flash		N/K	23-Feb, 05:07
	2-4km E	Recorded	1	Projectile	NNW to SSE (subsequent to	N/K	23-Feb, 05:07

controlled, 45km NE of Donetsk)					the previous event)		
	2-4km E	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	23-Feb, 05:07
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:16
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Feb, 02:22
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:23
	4-6km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Feb, 02:24
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:25
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:28
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Projectile	SE to NW	N/K	22-Feb, 20:33
	3-5km N	Recorded	2	Muzzle flash		N/K	22-Feb, 20:41
	3-5km N	Recorded	4	Projectile	SE to NW	N/K	22-Feb, 21:14
	5-7km NNW	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 22:09
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:10
	5-7km NNW	Recorded	3	Explosion	Undetermined	N/K	22-Feb, 22:17
	5-7km NNW	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 22:19
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:19
	5-7km NNW	Recorded	4	Explosion	Undetermined	N/K	22-Feb, 22:23
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:23
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:24
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:24
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:44
	5-7km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-Feb, 23:21
	5-7km NNE	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 23:55
	5-7km N	Recorded	1	Projectile	E to W	N/K	23-Feb, 01:12
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:33
	SE outskirts of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	3	Burst		HMG
About 1km E of Kruta Balka (non-government-controlled, 16 km N of Donetsk)	4-5km SW	Heard	4	Explosion	Undetermined	N/K	23-Feb, 10:32-10:44
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-4km SSE	Heard	23	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 11:49-12:10
	3-4km SSE	Heard	16	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 11:49-12:10
	3-4km WSW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 11:45
	3-4km SSE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:11
	3-4km SSE	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:27-12:35

	3-4km SSE	Heard	19	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 13:05-13:10
	3-4km SSE	Heard	30	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 13:55-14:00
	3-4km SSE	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 13:55-14:00
SE edge of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	2-3km NW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 08:57
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 09:03
Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-10km NW	Heard	50	Explosion	Undetermined	N/K	23-Feb, 15:55-16:16
	8-10km NW	Heard	4	Explosion	Undetermined	N/K	23-Feb, 16:22
	8-10km NW	Heard	7	Explosion	Undetermined	N/K	23-Feb, 16:22
	5-10km NW	Heard	106	Explosion	Undetermined	N/K	23-Feb, 16:28-16:43
	5-10km NW	Heard	125	Explosion	Undetermined	N/K	23-Feb, 16:16-16:28
	5-10km NW	Heard	23	Explosion	Undetermined	N/K	23-Feb, 16:45-17:00
	5-10km NW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 17:00-17:25
Chermalyk (government-controlled, 77km S of Donetsk)	1-1.5km SE	Heard	6	Shot		Small arms	23-Feb, 12:36
	4-5km ESE	Heard	1	Explosion	Undetermined	N/K	23-Feb, 12:47
Novoluhanske (government-controlled, 53km NE of Donetsk)	2-3km SW	Heard	10	Burst		HMG	23-Feb, 13:06
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 18:41
	2-3km SE	Heard	15	Burst		Small arms	22-Feb, 18:45-18:48
	2-3km SE	Heard	4	Shot		Small arms	22-Feb, 18:47
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 18:49
	2-3km SE	Heard	6	Shot		Small arms	22-Feb, 18:53
	2-4km SE	Heard	8	Burst		HMG	22-Feb, 18:55
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 18:57
	2-3km SE	Heard	5	Shot		Small arms	22-Feb, 18:58
	2-3km SE	Heard	12	Burst		Small arms	22-Feb, 19:06-19:08
	2-4km SE	Heard	12	Burst		HMG	22-Feb, 19:15
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 19:29
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 19:31
	2-4km SE	Heard	9	Burst		HMG	22-Feb, 19:31
	2-4km SE	Heard	12	Burst		Small arms	22-Feb, 19:31-19:32
	2-4km SE	Heard	18	Burst		HMG	22-Feb, 19:33-19:35
	2-4km SE	Heard	8	Burst		Small arms	22-Feb, 19:33-19:35
	2-4km SE	Heard	12	Burst		HMG	22-Feb, 19:36-19:37
	2-4km SE	Heard	5	Burst		HMG	22-Feb, 19:39
	2-4km SE	Heard	28	Burst		Small arms	22-Feb, 19:45-19:55
	2-4km SE	Heard	5	Burst		Small arms	22-Feb, 20:10
2-4km SE	Heard	13	Burst		Small arms	22-Feb, 20:14-20:17	

	2-4km SE	Heard	12	Burst		Small arms	22-Feb, 20:45-20:47
	3-4km SE	Heard	5	Burst		HMG	22-Feb, 20:55
	2-4km SE	Heard	6	Burst		Small arms	22-Feb, 20:59
	2-4km SE	Heard	5	Shot		Small arms	22-Feb, 21:00
	2-4km SE	Heard	11	Burst		Small arms	22-Feb, 21:03
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 21:25
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 21:37
	2-4km SE	Heard	2	Burst		HMG	22-Feb, 21:52
	2-4km SE	Heard	5	Burst		HMG	22-Feb, 21:57-22:01
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 22:09
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 22:23-22:25
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 22:30-22:35
	2-4km SE	Heard	2	Burst		HMG	22-Feb, 22:42
	2-4km SE	Heard	7	Burst		HMG	22-Feb, 23:12-23:14
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 23:43
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 23:47-23:49
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 23:58
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km W	Heard	1	Explosion	Undetermined	N/K	23-Feb, 17:50
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Feb, 22:15
	1-3km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)	N/K	23-Feb, 02:29
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:29
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	2	Projectile	S to N (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:58
	1-3km E	Recorded	2	Projectile	S to N (assessed as outside the	N/K	23-Feb, 02:58

					disengagement area)		
	1-2km ESE	Recorded	1	Explosion	Undetermined (unable to be assessed inside or outside the disengagement area)	N/K	23-Feb, 02:08
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NW	Heard	1	Burst		HMG	23-Feb, 09:11-09:33
	3-5km NW	Heard	1	Shot		HMG	23-Feb, 09:11-09:33
	4-5km W	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	6-7km WNW	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	3-5km NW	Heard	4	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	2-3km NW	Heard	5	Burst		HMG	23-Feb, 09:41-09:52
	3-5km NW	Heard	4	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 10:04-10:16
	6-7km WNW	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 10:04-10:16
	2-3km NW	Heard	4	Burst		HMG	23-Feb, 10:04-10:16
	6-8km W	Heard	156	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 12:15-13:12
	6-8km W	Heard	60	Burst	Assessed as outside the disengagement area	HMG	23-Feb, 12:15-13:12
	6-8km W	Heard	28	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 12:15-13:12
Holubivske (non-government-controlled, 51km W of Luhansk)	4-6km W	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 10:48-10:52
	2-3km NW	Heard	7	Burst		HMG	23-Feb, 11:12-11:19
NE edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km W	Heard	22	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 13:20-13:31
	3-5km W	Heard	19	Burst		HMG	23-Feb, 13:20-13:31
	1-2km N	Heard	22	Burst		HMG	23-Feb, 13:20-13:31
W edge of Orikhove-Donetske (government-controlled, 44km NW of Luhansk)	5km SSE	Heard	15	Explosion	Undetermined	N/K	23-Feb, 09:45-10:00
3km W of Orikhove (government-controlled, 57km NW of Luhansk)	5-8km SSE	Heard	172	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:20-13:15
E edge of Kriakivka (government-	10km SSE	Heard	5	Explosion	Undetermined	N/K	23-Feb, 10:25-10:40

controlled, 38km NW of Luhansk)							
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km SSW	Heard	2	Shot		Small arms	23-Feb, 10:35-10:36
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 13:52-13:53
	2-5km SW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 14:22-14:37
	2-5km WSW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 14:22-14:37
Holubivka (former Kirovsk, non-government-controlled, 51km W of Luhansk)	6-9km NW	Heard	17	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 11:55-12:05
W edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	2-5km N	Heard	8	Explosion	Undetermined	N/K	23-Feb, 12:02-12:12
	2-5km N	Heard	50	Shot		Small arms	23-Feb, 12:02-12:12
	1-2km N	Heard	3	Burst		HMG	23-Feb, 12:02-12:12
	3-5km NNE	Heard	5	Explosion	Undetermined	N/K	23-Feb, 12:02-12:12
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	6-8km ENE	Heard	8	Explosion	Undetermined	N/K	23-Feb, 12:21-12:40
	3-5km NE	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:21-12:40
	1-3km NW	Heard	8	Burst	Assessed as outside the disengagement area	HMG	23-Feb, 12:21-12:40
	1-2km SW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:21-12:40
	1-2km SW	Heard	40	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:21-12:40
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-8km SSE	Heard	37	Explosion	Undetermined	N/K	23-Feb, 14:23-14:45
	4-8km SSE	Heard	2	Burst		Small arms	23-Feb, 14:23-14:45