

Table of ceasefire violations as of 21 February 2022¹¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km NE	Recorded	3	Projectile	NW to SE	N/K	21-Feb, 18:00
	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	21-Feb, 18:00
	3-5km NE	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	21-Feb, 18:00
	3-5km NE	Recorded	7	Projectile	NW to SE	N/K	21-Feb, 18:01
	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	21-Feb, 18:01
	3-5km NE	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	21-Feb, 18:01
	3-5km NE	Recorded	10	Projectile	NW to SE	N/K	21-Feb, 18:02
	3-5km NE	Recorded	9	Projectile	NW to SE	N/K	21-Feb, 18:03
	3-5km NE	Recorded	12	Projectile	NW to SE	N/K	21-Feb, 18:04
	3-5km NE	Recorded	11	Projectile	NW to SE	N/K	21-Feb, 18:05
	3-5km NE	Recorded	1	Muzzle flash		N/K	21-Feb, 18:06
	3-5km NE	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	21-Feb, 18:06
	3-5km NE	Recorded	11	Projectile	NW to SE	N/K	21-Feb, 18:06
	3-5km ESE	Recorded	2	Projectile	SW to NE		21-Feb, 17:38
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km E	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 22:52
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-3km E	Recorded	16	Projectile	N to S (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:14
	1-3km E	Recorded	11	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:14
	1-3km E	Recorded	15	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:15
	1-3km E	Recorded	17	Projectile	In vertical flight (assessed as inside the disengagement area near Petrivske)	N/K	20-Feb, 20:16
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement)	N/K	20-Feb, 20:18

¹¹ 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
					area near Petrivske)		
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:20
	5-7km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:22
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:23
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:27
	5-7km ESE	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:29
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:30
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:31
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	20-Feb, 20:32
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	5-7km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Feb, 03:31
	5-7km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 03:34
	5-7km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:35
	5-7km ESE	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 03:57
	5-7km ESE	Recorded	12	Explosion	Undetermined	N/K	21-Feb, 04:20
	5-7km ESE	Recorded	1	Illumination flare	In vertical flight (also seen by the SMM camera in Shyrokyne)	N/K	21-Feb, 04:31
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	2	Projectile	WSW to ENE (also recorded by the SMM camera in Avdiivka)	N/K	20-Feb, 18:33

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-3km SSE	Recorded	2	Explosion	Airburst (subsequent to previous event, also recorded by the SMM camera in Avdiivka)	N/K	20-Feb, 18:33
	1-3km S	Recorded	1	Projectile	WNW to ESE (also recorded by the SMM camera in Avdiivka)	N/K	21-Feb, 17:38
	1-3km S	Recorded	1	Explosion	WNW to ESE (airburst, also recorded by the SMM camera in Avdiivka)		21-Feb, 17:38
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:31
SMM camera at entry-exit checkpoint in Hnutove (government-controlled, 90km S of Donetsk)	4-6km E	Recorded	17	Projectile	WNW to ESE	N/K	21-Feb, 03:31
	4-6km E	Recorded	2	Muzzle flash		N/K	21-Feb, 03:34
	4-6km E	Recorded	2	Projectile	NW to SE (subsequent to previous event)	N/K	21-Feb, 03:34
	4-6km E	Recorded	3	Projectile	NW to SE	N/K	21-Feb, 03:39
	4-6km E	Recorded	5	Projectile	NW to SE	N/K	21-Feb, 03:55
	4-6km E	Recorded	1	Projectile	NW to SE	N/K	21-Feb, 04:07
	4-6km E	Recorded	16	Projectile	NW to SE	N/K	21-Feb, 04:20
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	7-8km ENE	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 19:27
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km W	Recorded	2	Muzzle flash	Undetermined	N/K	20-Feb, 19:47
	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:59
	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:00
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:01
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:04
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:05
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:06
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:07
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:08
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:09
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:14
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 04:20
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:26
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:27
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:28
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:46
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:48
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:55
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:56
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:57
	4-6km W	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 05:11
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 05:13
	2-4km WNW	Recorded	1	Muzzle flash		N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Projectile	S to N (subsequent to previous event)	N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Muzzle flash		N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Projectile	S to N (subsequent to previous event)	N/K	21-Feb, 18:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
	2-4km WNW	Recorded	1	Explosion	S to N (subsequent to previous event)	N/K	21-Feb, 18:21	
	1-3km WNW	Recorded	9	Projectile	E to W	N/K	21-Feb, 18:40	
	2-4km ENE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:34	
	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	21-Feb, 17:36	
	2-4km NE	Recorded	4	Projectile	WNW to ESE	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	21-Feb, 17:38	
	2-4km NE	Recorded	4	Projectile	WNW to ESE	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	1	Projectile	WSW to ENE	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	21-Feb, 17:39	
	2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K	21-Feb, 17:46	
	2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K	21-Feb, 17:47	
	2-4km NE	Recorded	5	Projectile	WNW to ESE	N/K	21-Feb, 18:00	
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	21-Feb, 18:06	
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 18:13	
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 18:20	
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	6-8km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 19:24
		6-8km NNE	Recorded	4	Explosion	Undetermined	N/K	20-Feb, 19:25
		4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:22
		4-6km N	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:23
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:26	
4-6km N		Recorded	1	Illumination flare	In vertical flight	N/K	20-Feb, 20:28	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:29	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:30	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:32	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:37	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	20-Feb, 22:52	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:55	
4-6km N		Recorded	1	Illumination flare	E to W	N/K	20-Feb, 23:04	
4-6km N		Recorded	1	Muzzle flash		N/K	20-Feb, 23:48	
4-6km N		Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	20-Feb, 23:48	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:03	
3-5km N		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:04	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:04	
4-6km NNE		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:04	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:05	
3-5km NNE		Recorded	7	Explosion	Undetermined	N/K	21-Feb, 00:05	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:06	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:06	
4-6km N		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:07	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:07	
3-5km NNE		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:08	
4-6km N		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:08	
4-6km N		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:09	
3-5km NNE		Recorded	3	Explosion	Undetermined	N/K	21-Feb, 00:09	
4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 00:10		
4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:10		
4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 00:11		
4-6km N	Recorded	1	Projectile	W to E (also recorded by the	N/K	21-Feb, 00:12		

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					SMM camera in Hnutove)		
	4-6km N	Recorded	1	Explosion	Also recorded by the SMM camera in Hnutove	N/K	21-Feb, 00:20
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:04
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:05
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:06
	4-6km N	Recorded	2	Projectile	W to E	N/K	21-Feb, 01:06
	4-6km N	Recorded	6	Projectile	W to E	N/K	21-Feb, 01:07
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:08
	4-6km N	Recorded	4	Projectile	W to E	N/K	21-Feb, 01:09
	4-6km N	Recorded	7	Explosion	Undetermined	N/K	21-Feb, 01:09
	4-6km N	Recorded	2	Projectile	W to E	N/K	21-Feb, 01:11
	4-6km N	Recorded	7	Explosion	Undetermined	N/K	21-Feb, 01:11
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:12
	4-6km N	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 01:13
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:14
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:15
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	21-Feb, 01:16
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:18
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:19
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:37
	4-6km N	Recorded	4	Projectile	W to E	N/K	21-Feb, 01:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 01:52
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:02
	4-6km N	Recorded	3	Projectile	E to W	N/K	21-Feb, 02:05
	4-6km N	Recorded	1	Projectile	W to E	N/K	21-Feb, 02:12
	4-6km N	Recorded	4	Projectile	In vertical flight	N/K	21-Feb, 02:27
	4-6km NNW	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:28
	4-6km NNW	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 02:39
	4-6km N	Recorded	3	Projectile	E to W	N/K	21-Feb, 02:41
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	21-Feb, 04:02
	4-6km N	Recorded	3	Projectile	W to E	N/K	21-Feb, 04:09
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Recorded	2	Projectile	W to E	N/K	20-Feb, 22:06
	2-3km SE	Recorded	1	Projectile	NNE to SSW	N/K	20-Feb, 22:14
	2-3km SE	Recorded	4	Projectile	ENE to WSW	N/K	20-Feb, 22:14
	2-3km SE	Recorded	11	Projectile	ENE to WSW	N/K	20-Feb, 22:15
	2-3km SE	Recorded	2	Projectile	NNE to SSW	N/K	20-Feb, 22:15
Donetsk city (non-government-controlled)	5-7km NE	Heard	2	Explosion	Undetermined	N/K	20-Feb, 00:12-00:13
	9-10km N	Heard	15	Explosion	Undetermined	N/K	20-Feb, 03:59-04:06
	7-8km NW	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:06-04:08
	9-10km NW	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:08-04:10
	7-8km NW	Heard	7	Explosion	Undetermined	N/K	20-Feb, 04:12-04:16
	6-7km NW	Heard	1	Explosion	Undetermined	N/K	20-Feb, 04:26
	7-8km W	Heard	4	Explosion	Undetermined	N/K	20-Feb, 04:28-04:29
	9-10km NW	Heard	2	Explosion	Undetermined	N/K	20-Feb, 04:33-04:38
	7-8km W	Heard	17	Explosion	Undetermined	N/K	20-Feb, 04:39-04:48
	9-10km W	Heard	5	Explosion	Undetermined	N/K	20-Feb, 04:54-04:58
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	1	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 08:01
About 6km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	5km NW	Heard	2	Explosion	Undetermined	N/K	21-Feb, 10:51
About 1.8km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3km ESE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 08:56-08:59

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	11	Explosion	Undetermined	N/K	21-Feb, 09:07-09:11
	2-4km NNW	Heard	3	Explosion	Undetermined	N/K	21-Feb, 09:08-09:10
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 09:52
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	21-Feb, 11:11
	5-6km SW	Heard	7	Explosion	Undetermined	N/K	21-Feb, 11:28
About 2.5km NE of Novotroitske (government-controlled, 36km SW of Donetsk)	12-14km NNE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
	12-14km ESE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	8-10km N	Heard	4	Explosion	Outgoing	N/K	21-Feb, 12:27-12:35
	8-10km NW	Heard	4	Explosion	Impact	N/K	21-Feb, 12:27-12:35
Novohnativka (government-controlled, 40km S of Donetsk)	5-6km NNE	Heard	2	Explosion	Outgoing	N/K	21-Feb, 12:13-12:25
	5-6km NNE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 12:13-12:25
	3-4km WSW	Heard	2	Explosion	Impact	N/K	21-Feb, 12:13-12:25
Pavlopil (government-controlled, 84km S of Donetsk)	1-3km NE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:17
	1-3km E	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:17
	1-3km NE	Heard	7	Explosion	Undetermined	N/K	21-Feb, 11:31-11:39
	1-3km NE	Heard	5	Explosion	Undetermined	N/K	21-Feb, 11:43-11:46
	1-3km E	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:43-11:46
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km W	Heard	44	Burst		HMG	21-Feb, 15:26-15:30
	4-5km W	Heard	1	Explosion	Impact	Artillery (type N/K)	21-Feb, 15:31
	4km W	Heard	1	Explosion	Impact	Artillery (type N/K)	21-Feb, 15:31
	5-7km W	Heard	2	Explosion	Undetermined	N/K	21-Feb, 15:32
	2-3km W	Heard	55	Burst		HMG	21-Feb, 15:43-15:46
	5km SW	Heard	2	Explosion	Undetermined	N/K	21-Feb, 15:46
	2-3km W	Heard	10	Burst		HMG	21-Feb, 15:47-15:49
	5-7km W	Heard	7	Explosion	Undetermined	N/K	21-Feb, 15:51-15:53
	5-7km WNW	Heard	10	Explosion	Undetermined	N/K	21-Feb, 16:55-16:59
	5-7km W	Heard	2	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 17:23
	5-7km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 17:55-17:57
	6-8km W	Heard	6	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 18:11-18:15
	SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-4km SSW	Recorded	2	Muzzle flash		N/K
3-4km SSW		Recorded	2	Illumination flare		N/K	21-Feb, 02:59
3-4km SSW		Recorded	1	Illumination flare		N/K	21-Feb, 03:00
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	20-Feb, 19:19
	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement near Zolote)	N/K	20-Feb, 21:02
SMM camera on Stanytsia Luhanska bridge (15km NE of Luhansk)	2-3km SSE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:31
	1-3km SSE	Recorded	4	Projectile	NE to SW (unable to assess if inside or outside the	N/K	21-Feb, 03:32

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					disengagement area)		
	0.8-1.2km SSE	Recorded	2	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 17:36
	0.8-1.2km SSE	Recorded	2	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 17:36
	0.8-1.2km SSE	Recorded	1	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 17:37
	0.8-1.2km SSE	Recorded	6	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	2	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	2	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	5	Muzzle flash	Assessed as inside the disengagement area		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	5	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	10	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	1	Muzzle flash	Assessed as inside the		21-Feb, 18:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					disengagement area		
	0.8-1.2km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event, assessed as inside the disengagement area)		21-Feb, 18:21
	0.8-1.2km SSE	Recorded	3	Projectile	SW to NE (assessed as inside the disengagement area)		21-Feb, 18:21
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:35
	5-8km WSW	Recorded	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:36
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:37
	5-8km WSW	Recorded	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:38
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:39
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:40
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:51
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:52
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:52
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 20:53
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:53
	6-8km W	Recorded	4	Explosion	Undetermined	N/K	20-Feb, 21:00
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 21:02

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:05
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:06
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:07
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:08
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:14
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:20
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:21
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 22:22
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 22:23
	6-8km W	Recorded	3	Explosion	Undetermined	N/K	21-Feb, 04:36
	6-8km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:39
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:56
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:57
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:58
	5-8km WSW	Recorded	1	Explosion	Airburst (assessed as outside the disengagement area)	N/K	21-Feb, 04:58
	5-8km WSW	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 04:59
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:05
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:06
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:07

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					outside the disengagement area)		
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:08
	5-8km WSW	Recorded	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:09
	5-8km WSW	Recorded	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:11
	5-8km WSW	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:12
	5-8km WSW	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:14
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:15
	5-8km WSW	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:16
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:17
	5-8km WSW	Recorded	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:18
	5-8km WSW	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 05:20
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	20-Feb, 19:04
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:35

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:36
	3-5km ESE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area)	N/K	20-Feb, 20:38
	3-5km E	Recorded	3	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	20-Feb, 20:53
	3-5km E	Recorded	10	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	20-Feb, 20:54
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:01
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 21:02
	3-5km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 22:20
	5-7km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:45
	5-7km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:46
	5-7km E	Recorded	3	Projectile	S to N (assessed as outside the disengagement area)		21-Feb, 17:48
	5-7km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 17:50
	5-7km ENE	Recorded	3	Projectile	N to S (assessed as outside the disengagement area)		21-Feb, 17:55
	5-7km ENE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)		21-Feb, 17:59

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:08
	4-6km E	Recorded	1	Illumination flare	In vertical flight (assessed as outside the disengagement area)		21-Feb, 18:09
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:16
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:34
	4-6km E	Recorded	2	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:35
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:37
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:38
	4-6km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)		21-Feb, 18:40
Zolote-5/Mykhailivka (non-government-controlled, 60km W of Luhansk)	5-6km NNE	Heard	9	Explosion	Undetermined	N/K	21-Feb, 10:47-11:00
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-6km W	Heard	21	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 17:45-18:10
	4-6km N	Heard	5	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 17:45-18:10
	4-5km W	Heard	5	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 19:20-19:30
	12-15km W	Heard	5	Explosion	Undetermined	N/K	20-Feb, 19:20-19:30
	12-15km SSW	Heard	2	Explosion	Undetermined	N/K	20-Feb, 20:15-20:30
	12-15km S	Heard	1	Explosion	Undetermined	N/K	20-Feb, 20:15-20:30
Luhansk city (non-government-controlled)	4-6km N	Heard	28	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:31-20:42
	10-12km N	Heard	18	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:50-20:55
	10-12km N	Heard	21	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 21:07-21:11
	12-15km NW	Heard	45	Explosion	Outgoing	N/K	20-Feb, 20:37-20:44
	10-15km NNW	Heard	25	Explosion	Undetermined	Artillery (type N/K)	20-Feb, 20:55-21:00
	10-15km WNW	Heard	40	Explosion	Impact	Artillery (type N/K)	20-Feb, 21:05-21:10

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	5-6km W	Heard	9	Explosion	Undetermined	N/K	21-Feb, 15:14-15:28
	6-8km SW	Heard	7	Explosion	Undetermined	N/K	21-Feb, 15:14-15:28
Pervomaisk (non-government-controlled, 58km W of Luhansk)	1-2km SSE	Heard	5	Explosion	Outgoing (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:34-09:44
	5-8km W	Heard	5	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:34-09:44
	1-2km SSE	Heard	11	Explosion	Outgoing (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:49-09:52
	6-8km W	Heard	11	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:49-09:52
	3-4km WNW	Heard	7	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 13:18-13:29
	3-5km N	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 13:33-13:36
	7-8km NW	Heard	10	Explosion	Outgoing	N/K	21-Feb, 10:10
	7-8km NW	Heard	10	Explosion	Impact	N/K	21-Feb, 10:10
Shchastia (government-controlled, 20km N of Luhansk)	1-1.5km N	Heard	15	Explosion	Impact	N/K	21-Feb, 10:10
Teplychne (non-government-controlled, 8km W of Luhansk)	12-14km W	Heard	10	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 09:39
Mykolaivka (non-government-controlled, 15km E of Luhansk)	15-20km NW	Heard	9	Explosion	Undetermined	N/K	21-Feb, 10:48-10:52
	15-20km NW	Heard	19	Explosion	Undetermined	N/K	21-Feb, 10:57-11:00
Pionerske (non-government-controlled, 19km E of Luhansk)	15-20km WSW	Heard	30	Explosion	Undetermined	N/K	21-Feb, 10:09-10:20
Luhansk city (non-government-controlled)	10-12km NNW	Heard	1	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 15:21
	12-14km W	Heard	29	Explosion	Undetermined	N/K	21-Feb, 15:23-15:29
	10-14km N	Heard	37	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 04:51-04:58
	10-12km N	Heard	27	Explosion	Undetermined	Artillery (type N/K)	21-Feb, 05:04-05:19
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-5km E	Heard	22	Explosion	Outgoing	N/K	20-Feb, 17:51-18:10
	4-10km ESE	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	20-Feb, 17:51-18:10
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	15-20km NW	Heard	8	Explosion	Undetermined	N/K	21-Feb, 11:22-11:24
	4-6km SW	Heard	8	Explosion	Undetermined	N/K	20-Feb, 18:16-18:17
	10-12km SW	Heard	167	Explosion	Undetermined	N/K	20-Feb, 20:25-21:17
	10-12km SW	Heard	11	Explosion	Undetermined	N/K	20-Feb, 22:20-22:28

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SSE	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Feb, 23:03-23:06
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-3km E	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 15:12-15:20
Popasna (government controlled, 69 km W of Luhansk)	3-5km ESE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Feb, 09:41-09:50
Hirske (government-controlled, 63km W of Luhansk)	5-7km SE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 13:18
	12-13km SE	Heard	12	Explosion	Outgoing	Artillery (type N/K)	21-Feb, 09:50-10:00
	10-12km NW	Heard	12	Explosion	Impact	Artillery (type N/K)	21-Feb, 09:50-10:00
	0.8-1km W	Heard	1	Explosion	Undetermined	N/K	21-Feb, 10:06
Shchastia (government-controlled, 20km N of Luhansk)	1.5-3km SW	Heard	14	Explosion	Undetermined	N/K	21-Feb, 10:55-11:05
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4-7km SE	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 00:19-00:21
	3-5km S	Heard	13	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-Feb, 03:28-03:33
	3-5km S	Heard	10	Burst	Assessed as outside the disengagement area	HMG	21-Feb, 03:33-03:35
	8-10km W	Heard	7	Explosion	Undetermined	N/K	21-Feb, 04:35-04:45
	8-12km W	Heard	217	Explosion	Undetermined	N/K	21-Feb, 04:55-05:30
	15-20km NW	Heard	4	Explosion	Undetermined	N/K	21-Feb, 09:55-10:01