SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka	3-5km NE	Recorded	3	Projectile	NW to SE	N/K	21-Feb, 18:00
government-controlled, 17km	3-5km NE	Recorded	2	Projectile	NW to SE	N/K	21-Feb, 18:00
N of Donetsk)					Impact (subsequent to		
	3-5km NE	Recorded	2	Explosion	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
					Impact (subsequent to		
	3-5km NE	Recorded	2	Explosion	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
					NW to SE (subsequent to		
	3-5km NE	Recorded	1	Projectile	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 2lum E	Described	17	Duricatila	In vertical flight (assessed as inside the disengagement area near Datigate)	NIK	20 Esh 2014
	<u>1-3km E</u>	Recorded	17	Projectile	Petrivske) Undetermined (assessed as outside the	N/K	20-Feb, 20:16
	5-7km ESE	Recorded	1	Explosion	disengagement	N/K	20-Feb, 20:18

Table of ceasefire violations as of 21 February 2022¹¹

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)		
					Undetermined		
					(assessed as outside the		
					disengagement		
					area near		
	5-7km ESE	Recorded	1	Explosion	Petrivske)	N/K	20-Feb, 20:20
				`	Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5 71 ESE	Described	2	Englasian	area near	NUZ	20 E-1 20.22
	5-7km ESE	Recorded	2	Explosion	Petrivske) Undetermined	N/K	20-Feb, 20:22
					(assessed as		
					outside the		
					disengagement		
					area near		
	5-7km ESE	Recorded	1	Explosion	Petrivske)	N/K	20-Feb, 20:23
					Undetermined		
					(assessed as		
					outside the		
					disengagement area near		
	5-7km E	Recorded	1	Explosion	Petrivske)	N/K	20-Feb, 20:27
	578111	Itecorded	1	Explosion	Undetermined		20100, 20.27
					(assessed as		
					outside the		
					disengagement		
			_		area near		
	5-7km ESE	Recorded	2	Explosion	Petrivske)	N/K	20-Feb, 20:29
					Undetermined		
					(assessed as outside the		
					disengagement		
					area near		
	5-7km ESE	Recorded	1	Explosion	Petrivske)	N/K	20-Feb, 20:30
				· ·	Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5 71 ESE	Described	1	Englasian	area near	NUZ	20 E-L 20-21
	5-7km ESE	Recorded	1	Explosion	Petrivske) Undetermined	N/K	20-Feb, 20:31
					(assessed as		
					outside the		
					disengagement		
					area near		
	5-7km ESE	Recorded	1	Explosion	Petrivske)	N/K	20-Feb, 20:32
MM camera in Chermalyk	5-7km ESE	Recorded	5	Explosion	Undetermined	N/K	21-Feb, 03:31
overnment-controlled, 77km		Recorded	2	Explosion	Undetermined	N/K	21-Feb, 03:34
of Donetsk)	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
					In vertical flight		
				Illumination	(also seen by the SMM camera in		
	5-7km ESE	Recorded	1	flare	SMM camera in Shyrokyne)	N/K	21-Feb, 04:31
MM camera at Donetsk	J-/KIII ESE	Ketolueu	1		WSW to ENE		21-1-0, 04.31
iltration Station (15km N of					(also recorded by		
onetsk)					the SMM camera		
/				Projectile	in Avdiivka)	N/K	20-Feb, 18:33

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					Airburst		
					(subsequent to		
					previous event,		
					also recorded by		
	1 21 ССЕ	Deserved	2	Employies	the SMM camera	NUZ	20 E-L 19.22
	1-3km SSE	Recorded	2	Explosion	in Avdiivka)	N/K	20-Feb, 18:33
					WNW to ESE (also recorded by		
					the SMM camera		
	1-3km S	Recorded	1	Projectile	in Avdiivka)	N/K	21-Feb, 17:38
		Recorded	1	Trojectile	WNW to ESE	1.011	21100, 17.50
					(airburst, also		
					recorded by the		
					SMM camera in		
	1-3km S	Recorded	1	Explosion	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	4-6km E	Recorded	17	Projectile	WNW to ESE	N/K	21-Feb, 03:31
checkpoint in Hnutove	4-6km E	Recorded	2	Muzzle flash		N/K	21-Feb, 03:34
(government-controlled, 90km					NW to SE		
S of Donetsk)					(subsequent to		
	4-6km E	Recorded	2	Projectile	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	1-2km W	Recorded	2	Muzzle flash	Undetermined	N/K	20-Feb, 19:47
(non-government-controlled,	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 03:59
9km NW of Donetsk city	3-4km W	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 04:00
centre)	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
			-		S to N		
					(subsequent to		
	2-4km WNW	Recorded	1	Projectile	previous event)	N/K	21-Feb, 18:21
	2-4km WNW	Recorded	1	Muzzle flash		N/K	21-Feb, 18:21
					S to N		
	2-4km WNW	Recorded	1	Projectile	(subsequent to previous event)	N/K	21-Feb, 18:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					S to N		
					(subsequent to		
	2-4km WNW	Recorded	1	Explosion	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
					Airburst		
	0.41 NT				(subsequent to	21/17	
	2-4km NE	Recorded	1	Explosion	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
					Airburst		
	2 Alam NE	Recorded	1	Evaluation	(subsequent to	N/K	21 Esh 17.20
	2-4km NE	Recorded	1	Explosion	previous event)		21-Feb, 17:39
	2-4km NE 2-4km NE	Recorded	2	Projectile	WNW to ESE	N/K N/K	21-Feb, 17:46
	2-4km NE 2-4km NE		2	Projectile	WNW to ESE	N/K N/K	21-Feb, 17:47
		Recorded	5	Projectile			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	6-8km NNE	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 19:24
Shyrokyne (government- controlled, 100km S of	6-8km NNE	Recorded	4	Explosion	Undetermined	N/K	20-Feb, 19:25
Donetsk)	4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Feb, 20:22
Jonetsk)	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
			_	Illumination			
	4-6km N	Recorded	1	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
		5 1 1		Illumination	D. W	21/17	20 E L 22 04
	4-6km N	Recorded	1	flare	E to W	N/K	20-Feb, 23:04
	4-6km N	Recorded	1	Muzzle flash	D. W	N/K	20-Feb, 23:48
					E to W		
	A Churr N	Described	1	D	(subsequent to	NUZ	20 E-L 22.49
	4-6km N	Recorded Recorded	1	Projectile	previous event)	N/K	20-Feb, 23:48 21-Feb, 00:03
	3-5km NNE		3	Explosion	Undetermined	N/K	21-Feb, 00:03
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	
	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
					W to E (also		
	4-6km N	Recorded	1	Projectile	recorded by the	N/K	21-Feb, 00:12

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					SMM camera in Hnutove)		
					Also recorded by		
					the SMM camera		
	4-6km N	Recorded	1	Explosion	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
				Illumination			
	4-6km N	Recorded	1	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	2-3km SE	Recorded	2	Projectile	W to E	N/K	20-Feb, 22:06
(government-controlled, 57km	2-3km SE	Recorded	1	Projectile	NNE to SSW	N/K	20-Feb, 22:14
NE of Donetsk)	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-	5-7km NE	Heard	2	Explosion	Undetermined	N/K	20-Feb, 00:12-00:13
controlled)	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						Artillery	
Donetsk)	4-5km W	Heard	1	Explosion	Undetermined	(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	2-3km SW	Heard	11	Explosion	Undetermined	N/K	21-Feb, 09:07-09:11
station in Yasynuvata (non-	2-4km NNW	Heard	3	Explosion	Undetermined	N/K	21-Feb, 09:08-09:10
government-controlled, 16km	3-5km NE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 09:52
NE of Donetsk)	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	12-14km NNE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
Novotroitske (government- controlled, 36km SW of							
Donetsk)	12-14km ESE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 12:15-12:45
About 2km E of Bohdanivka (government-controlled, 41km	8-10km N	Heard	4	Explosion	Outgoing	N/K	21-Feb, 12:27-12:35
SW of Donetsk)	8-10km NW	Heard	4	Explosion	Impact	N/K	21-Feb, 12:27-12:35
Novohnativka (government-	5-6km NNE	Heard	2	Explosion	Outgoing	N/K	21-Feb, 12:13-12:25
controlled, 40km S of Donetsk)	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-	1-3km NE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 11:17
controlled, 84km S of Donetsk)	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-	4-6km W	Heard	44	Burst	Chacterhinied	HMG	21-Feb, 15:26-15:30
controlled, 39km NE of Donetsk)	4-5km W	Heard	1	Explosion	Impact	Artillery (type N/K)	21-Feb, 15:31
				I is it	I	Artillery	,
	4km W	Heard	1	Explosion	Impact	(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	Ondetermined	HMG	21-Feb, 15:47-15:49
		Heard	7		Undetermined	N/K	
	5-7km W			Explosion			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) Artillery	21-Feb, 17:23
	5-7km W	Heard	6	Explosion	Undetermined	(type N/K) Artillery	21-Feb, 17:55-17:57
	6-8km W	Heard	6	Explosion	Undetermined		21-Feb, 18:11-18:15
SMM camera in Kriakivka		Recorded	6	Muzzle flash	Undetermined	(type N/K) N/K	1 /
(government-controlled, 38km	3-4km SSW	Recorded	2			IN/K	21-Feb, 02:59
NW of Luhansk)	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	5-4KII 55 W	Recorded	1		Undetermined (assessed as outside the		21-1-00, 05.00
Luhansk)	4-6km ESE	Recorded	1	Explosion	disengagement area near Zolote)	N/K	20-Feb, 19:19
					Undetermined (assessed as outside the disengagement		
	4-6km ESE	Recorded	1	Explosion	near Zolote)	N/K	20-Feb, 21:02
SMM camera on Stanytsia Luhanska bridge (15km NE of Luhansk)	2 21 - 69E				Undetermined (assessed as outside the disengagement	NUZ	
	2-3km SSE	Recorded	1	Explosion	area) NE to SW (unable to assess	N/K	21-Feb, 03:31
	1-3km SSE	Recorded	4	Projectile	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 SW to NE		21-Feb, 18:19
	0.8-1.2km SSE	Recorded	2	Projectile	(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 SW to NE		21-Feb, 18:20
	0.8-1.2km SSE	Recorded	5	Projectile	(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		
					SW to NE		
					(subsequent to		
					previous event,		
					assessed as inside		
	0.8-1.2km				the		
	SSE	Recorded	1	Projectile	disengagement area)		21-Feb, 18:21
	551	Recorded	1	Tiojectile	SW to NE		21-100, 10.21
					(assessed as		
					inside the		
	0.8-1.2km				disengagement		
	SSE	Recorded	3	Projectile	area)		21-Feb, 18:21
					Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	4	Explosion	area)	N/K	20-Feb, 20:35
					Undetermined		
					(assessed as		
					outside the		
			0		disengagement		
	5-8km WSW	Recorded	9	Explosion	area)	N/K	20-Feb, 20:36
					Undetermined		
					(assessed as		
					outside the		
	5-8km WSW	Recorded	7	Explosion	disengagement area)	N/K	20-Feb, 20:37
	J-OKIII W S W	Recolded	1	Explosion	Undetermined		20-100, 20.57
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	9	Explosion	area)	N/K	20-Feb, 20:38
					Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	1	Explosion	area)	N/K	20-Feb, 20:39
					Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	2	Explosion	area)	N/K	20-Feb, 20:40
					Undetermined		
					(assessed as		
					outside the		
	5 01 11/017		~		disengagement	NT/17	
	5-8km WSW	Recorded	5	Explosion	area)	N/K	20-Feb, 20:51
					Undetermined		
					(assessed as outside the		
					disengagement		
	5-8km WSW	Recorded	4	Explosion	area)	N/K	20-Feb, 20:52
	6-8km W	Recorded	2	Explosion	Undetermined	N/K N/K	20-Feb, 20:52
		Kullutu	4	LAPIOSIOII	Undetermined	1 1/ 12	20-100, 20.32
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	6	Explosion	area)	N/K	20-Feb, 20:53
	6-8km W	Recorded	2	Explosion	Undetermined	N/K	20-Feb, 20:53
		Recorded	4	Explosion	Undetermined	N/K	20-Feb, 21:00
	6-8km W	Recorded	4	Explosion			

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					Undetermined (assessed as outside the		
	5-8km WSW	Recorded	2	Explosion	disengagement area)	N/K	20-Feb, 21:05
	J-0KIII W.S.W	Kecolded	Z		Undetermined (assessed as outside the		20-Feb, 21.05
	5-8km WSW	Recorded	1	Explosion	disengagement area)	N/K	20-Feb, 21:06
					Undetermined (assessed as outside the disengagement		
	5-8km WSW	Recorded	5	Explosion	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	outside the disengagement area) Undetermined (assessed as	N/K	21-Feb, 04:56
	5-8km WSW	Recorded	2	Explosion	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
					Undetermined (assessed as outside the		
	5-8km WSW	Recorded	6	Explosion	disengagement) Undetermined (assessed as	N/K	21-Feb, 04:59
	5-8km WSW	Recorded	5	Explosion	outside the disengagement area)	N/K	21-Feb, 05:05
	5 olen WOW	Decorded	7	Evelosica	Undetermined (assessed as outside the disengagement	N/W	21 Eat 05-06
	5-8km WSW	Recorded	7	Explosion	area) Undetermined	N/K	21-Feb, 05:06
	5-8km WSW	Recorded	5	Explosion	(assessed as	N/K	21-Feb, 05:07

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					outside the disengagement area)		
					Undetermined		
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	4	Explosion	area)	N/K	21-Feb, 05:08
					Undetermined (assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	7	Explosion	area)	N/K	21-Feb, 05:09
					Undetermined		
					(assessed as outside the		
					disengagement		
	5-8km WSW	Recorded	4	Explosion	area)	N/K	21-Feb, 05:11
					Undetermined		
					(assessed as		
					outside the		
	5-8km WSW	Recorded	3	Explosion	disengagement area)	N/K	21-Feb, 05:12
	5-0KII W5W	Recorded	5	Explosion	Undetermined		21-100,05.12
					(assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	3	Explosion	area)	N/K	21-Feb, 05:14
					Undetermined (assessed as		
					outside the		
					disengagement		
	5-8km WSW	Recorded	1	Explosion	area)	N/K	21-Feb, 05:15
					Undetermined		
					(assessed as outside the		
					disengagement		
	5-8km WSW	Recorded	1	Explosion	area)	N/K	21-Feb, 05:16
					Undetermined		
					(assessed as		
					outside the		
	5-8km WSW	Recorded	2	Explosion	disengagement area)	N/K	21-Feb, 05:17
		licolucu	-	2	Undetermined		,,,
					(assessed as		
					outside the		
	5 glem WCW	Decorded	5	Explosion	disengagement	N/K	21 Eab 05.10
	5-8km WSW	Recorded	5	Explosion	area) Undetermined	1N/ N	21-Feb, 05:18
					(assessed as		
					outside the		
					disengagement		
<u></u>	5-8km WSW	Recorded	2	Explosion	area)	N/K	21-Feb, 05:20
IM camera in Zolote					N to S (assessed		
overnment-controlled, 60km of Luhansk)					as outside the disengagement		
or Lununsk)	2-4km ENE	Recorded	2	Projectile	area)	N/K	20-Feb, 19:04
					Undetermined		,
					(unable to assess		
					if inside or		
					outside the disengagement		

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
			1		Undetermined (unable to assess if inside or outside the disengagement		20100, 20.00
	3-5km ESE	Recorded	1	Explosion	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
			1		Undetermined (assessed as outside the disengagement	N//Z	20 5 1 21 01
	3-5km E	Recorded	1	Explosion	area) Undetermined	N/K	20-Feb, 21:01
	3-5km E	Recorded	1	Explosion	(assessed as outside the disengagement area)	N/K	20-Feb, 21:02
	3-5km E	Desorded	1	Explosion	Undetermined (assessed as outside the disengagement	N/K	20-Feb, 22:20
	5-5KIII E	Recorded	1	Explosion	area) S to N (assessed		20-Feb, 22:20
	5-7km E	Recorded	1	Projectile	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	2	Projectile	S to N (assessed as outside the disengagement		21 Eab 17:49
	J-/KIII E	Kecolueu	3		area) Undetermined (assessed as outside the disengagement		21-Feb, 17:48
	5-7km E	Recorded	1	Explosion	area) N to S (assessed as outside the		21-Feb, 17:50
	5-7km ENE	Recorded	3	Projectile	disengagement area) N to S (assessed		21-Feb, 17:55
	5-7km ENE	Recorded	1	Projectile	as outside the disengagement area)		21-Feb, 17:59

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					Undetermined (assessed as outside the		
		D 11	1	F 1 ·	disengagement		
	4-6km E	Recorded	1	Explosion	area) In vertical flight		21-Feb, 18:08
					(assessed as		
				TH 1	outside the		
	4-6km E	Recorded	1	Illumination flare	disengagement area)		21-Feb, 18:09
		Recorded	1		Undetermined		
					(assessed as		
					outside the disengagement		
	4-6km E	Recorded	1	Explosion	area)		21-Feb, 18:16
					Undetermined		
					(assessed as outside the		
					disengagement		
	4-6km E	Recorded	1	Explosion	area)		21-Feb, 18:34
					Undetermined (assessed as		
					outside the		
	4-6km E	Recorded	2	Explosion	disengagement area)		21-Feb, 18:35
	4-0KIII E	Recolucu	2	Explosion	Undetermined		21-1-00, 18.33
					(assessed as		
					outside the disengagement		
	4-6km E	Recorded	1	Explosion	area)		21-Feb, 18:37
					Undetermined		
					(assessed as outside the		
					disengagement		
	4-6km E	Recorded	1	Explosion	area)		21-Feb, 18:38
					Undetermined (assessed as		
					outside the		
			_		disengagement		
Zolote-5/Mykhailivka (non-	4-6km E	Recorded	1	Explosion	area)		21-Feb, 18:40
government-controlled, 60km							
W of Luhansk)	5-6km NNE	Heard	9	Explosion	Undetermined	N/K	21-Feb, 10:47-11:00
Kadiivka (formely Stakhanov, non-government-controlled,	5-6km W	Heard	21	Explosion	Outgoing	Artillery (type N/K)	20-Feb, 17:45-18:10
50km W of Luhansk)	J-OKIII W	Ticaru	21	Explosion	Outgoing	Artillery	20-100, 17.+5-10.10
	4-6km N	Heard	5	Explosion	Outgoing	(type N/K)	20-Feb, 17:45-18:10
	4-5km W	Hoond	5	Evaluation	Outacing	Artillery	20-Feb, 19:20-19:30
	4-5km W 12-15km W	Heard Heard	5	Explosion Explosion	Outgoing Undetermined	(type N/K) N/K	20-Feb, 19:20-19:30 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
controlled)		Ticalu	20	LAPIOSIOII		Artillery	20-100, 20.31-20.42
	10-12km N	Heard	18	Explosion	Undetermined	(type N/K)	20-Feb, 20:50-20:55
	10.12km N	Hoord	21	Evaluation	Undetermined	Artillery	20 Eab 21.07 21.11
	10-12km N 12-15km NW	Heard Heard	21 45	Explosion Explosion	Undetermined Outgoing	(type N/K) N/K	20-Feb, 21:07-21:11 20-Feb, 20:37-20:44
	10-15km		10	Lipioni	o angoing	Artillery	20120, 20:07 20:44
	NNW	Heard	25	Explosion	Undetermined	(type N/K)	20-Feb, 20:55-21:00
	10-15km			1	1	Artillery	1

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Kadiivka (formely Stakhanov,	5-6km W	Heard	9	Explosion	Undetermined	N/K	21-Feb, 15:14-15:28
non-government-controlled,	(01 OW	TT 1	-	F 1 ·	TT 1 / · 1	21/17	
50km W of Luhansk) Pervomaisk (non-government-	6-8km SW	Heard	7	Explosion	Undetermined Outgoing	N/K	21-Feb, 15:14-15:28
controlled, 58km W of					(assessed as		
Luhansk)					outside the		
	1.01 005	TT 1	-	F 1 ·	disengagement	21/17	
	1-2km SSE	Heard	5	Explosion	area near Zolote) Impact (assessed	N/K	21-Feb, 09:34-09:44
					as outside the		
					disengagement		
	5-8km W	Heard	5	Explosion	area near Zolote)	N/K	21-Feb, 09:34-09:44
					Outgoing (assessed as		
					outside the		
					disengagement		
	1-2km SSE	Heard	11	Explosion	area near Zolote)	N/K	21-Feb, 09:49-09:52
					Impact (assessed as outside the		
					disengagement		
	6-8km W	Heard	11	Explosion	area near Zolote)	N/K	21-Feb, 09:49-09:52
					Undetermined		
					(assessed as		
					outside the disengagement		
	3-4km WNW	Heard	7	Explosion	area near Zolote)	N/K	21-Feb, 13:18-13:29
					Undetermined		
					(assessed as		
					outside the disengagement		
	3-5km N	Heard	2	Explosion	area near Zolote)	N/K	21-Feb, 13:33-13:36
Metalist (non-government-	7-8km NW	Heard	10	Explosion	Outgoing	N/K	21-Feb, 10:10
controlled, 7km NW of	7 91 NIW	Heend	10	Employien	Turnerat	NUZ	21 E-L 10-10
Luhansk) Shchastia (government-	7-8km NW	Heard	10	Explosion	Impact	N/K	21-Feb, 10:10
controlled, 20km N of							
Luhansk)	1-1.5km N	Heard	15	Explosion	Impact	N/K	21-Feb, 10:10
Teplychne (non-government-	10.141	TT 1	10	F 1 ·	TT 1 / · 1	Artillery	
controlled, 8km W of Luhansk)	12-14km W 15-20km NW	Heard Heard	10 9	Explosion Explosion	Undetermined Undetermined	(type N/K) N/K	21-Feb, 09:39 21-Feb, 10:48-10:52
Mykolaivka (non-government- controlled, 15km E of	13-20KIII IN W	пеан	9	Explosion	Undetermined	IN/K	21-60, 10.46-10.32
Luhansk)	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-	10-12km	Ticalu	50	Explosion	Undetermined	Artillery	21-100, 10.09-10.20
controlled)	NNW	Heard	1	Explosion	Undetermined	(type N/K)	21-Feb, 15:21
	12-14km W	Heard	29	Explosion	Undetermined	N/K	21-Feb, 15:23-15:29
	10.141 N	II 1	27	F 1 ·	TT 1 / · 1	Artillery	
	10-14km N	Heard	37	Explosion	Undetermined	(type N/K) Artillery	21-Feb, 04:51-04:58
	10-12km N	Heard	27	Explosion	Undetermined	(type N/K)	21-Feb, 05:04-05:19
N edge of Popasna	2-5km E	Heard	22	Explosion	Outgoing	N/K	20-Feb, 17:51-18:10
(government-controlled, 69km					Undetermined		
W of Luhansk)					(assessed as		
					outside the disengagement		
	4-10km ESE	Heard	14	Explosion	area near Zolote)	N/K	20-Feb, 17:51-18:10
Stanytsia Luhanska	15-20km NW	Heard	8	Explosion	Undetermined	N/K	21-Feb, 11:22-11:24
(government-controlled, 16km NE of Luhansk)	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
					Undetermined		
					(assessed as		
					outside the disengagement		
	3-5km SSE	Heard	10	Explosion	area)	N/K	20-Feb, 23:03-23:06
N edge of Popasna	J-JKIII JJL	Ticara	10	Explosion	Undetermined		20-100, 25.05-25.00
(government-controlled, 69km					(assessed as		
W of Luhansk)					outside the		
					disengagement		
	2-3km E	Heard	13	Explosion	area)	N/K	21-Feb, 15:12-15:20
Popasna (government					Undetermined		
controlled, 69 km W of					(assessed as		
Luhansk)					outside the		
	2 51 505			_	disengagement	NT/17	21 E 1 00 41 00 50
	3-5km ESE	Heard	4	Explosion	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
OSKIII W OI LUIIAIISK)	12-13km SE	Heard	12	Explosion	Outgoing	Artillery (type N/K)	21-Feb, 09:50-10:00
	12-13KIII SE	nealu	12	Explosion	Outgoing	Artillery	21-Feb, 09.30-10.00
	10-12km NW	Heard	12	Explosion	Impact	(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					Undetermined		
(government-controlled, 16km					(assessed as		
NE of Luhansk)					outside the		
	4-7km SE	Heard	9	Explosion	disengagement area)	N/K	21-Feb, 00:19-00:21
	4-/KIII SE	nealu	9	Explosion	Undetermined	IN/K	21-Feb, 00.19-00.21
					(assessed as		
					outside the		
					disengagement		
	3-5km S	Heard	13	Explosion	area)	N/K	21-Feb, 03:28-03:33
					Assessed as		
					outside the		
					disengagement		
	3-5km S	Heard	10	Burst	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