

Table of ceasefire violations as of 15 March 2020⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Mar, 04:24
	2-4km ESE	Recorded	1	Muzzle flash		N/K	14-Mar, 18:00
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	14-Mar, 18:00
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km ESE	Recorded	6	Projectile	WSW to ENE	N/K	13-Mar, 20:08
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	6	Projectile	N to S	N/K	13-Mar, 20:35
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:52
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ESE	Recorded	13	Projectile	SE to NW	N/K	13-Mar, 20:49
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 20:50
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 20:53
	500-800m E	Recorded	2	Projectile	SE to NW	N/K	13-Mar, 20:57
	1-2km ESE	Recorded	5	Projectile	In vertical flight	N/K	13-Mar, 20:58
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	13-Mar, 21:00
	1-2km ESE	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:04
	0.5-2km E	Recorded	10	Projectile	SE to NW	N/K	13-Mar, 21:05
	1-2km E	Recorded	1	Projectile	In vertical flight	N/K	13-Mar, 21:05
	0.5-2km E	Recorded	1	Projectile	N to S	N/K	13-Mar, 21:06
	1-2km E	Recorded	5	Projectile	In vertical flight	N/K	13-Mar, 21:06
	1-2km E	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:06
	0.5-2km ESE	Recorded	1	Projectile	SE to NW	N/K	13-Mar, 21:07
	1-2km ESE	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:08
	1-2km ESE	Recorded	6	Projectile	S to N	N/K	13-Mar, 21:11
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 21:13
	1-2km E	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:16
	1-2km E	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:17
	0.5-2km E	Recorded	8	Projectile	SE to NW	N/K	13-Mar, 21:21
	1-2km ESE	Recorded	14	Projectile	SE to NW	N/K	13-Mar, 21:24
	1-2km ESE	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:24
	1-2km ESE	Recorded	11	Projectile	SE to NW	N/K	13-Mar, 21:25
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:29
	4-5km E	Recorded	1	Explosion	Impact	N/K	14-Mar, 18:13
3-4km E	Recorded	5	Projectile	NW to SE	N/K	14-Mar, 18:13	
4-5km E	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:40	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW)	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:03
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:08
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:10
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:17

⁹ The 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.

of Donetsk city centre)	4-6km ENE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 00:18
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:21
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:25
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:27
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:31
	4-6km ENE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 01:33
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:34
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:40
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:41
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:42
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:43
	4-6km NE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 01:44
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:45
	6-8km ENE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:48
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:48
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:49
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:57
	6-8km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 02:13
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 03:34
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-7km N	Recorded	6	Projectile	E to W	N/K	13-Mar, 19:05
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 19:10
	5-7km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Mar, 19:10
	5-7km N	Recorded	1	Explosion	Impact	N/K	13-Mar, 19:10
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 19:11
	5-7km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Mar, 19:11
	5-7km N	Recorded	5	Projectile	E to W	N/K	13-Mar, 19:13
	4-6km N	Recorded	1	Muzzle flash		N/K	13-Mar, 19:24
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Mar, 19:24
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Mar, 19:28
	4-6km N	Recorded	6	Projectile	E to W	N/K	13-Mar, 19:30
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 20:31
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 20:32
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:50
	3-5km N	Recorded	6	Explosion	Undetermined	N/K	13-Mar, 20:51
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 20:55
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 20:56
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:56
	3-5km N	Recorded	10	Projectile	E to W	N/K	13-Mar, 20:57
	3-5km N	Recorded	3	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 20:57
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	13-Mar, 20:58
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 20:58
	3-5km N	Recorded	1	Muzzle flash		N/K	13-Mar, 20:59
	3-5km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 20:59
	3-5km N	Recorded	8	Projectile	E to W	N/K	13-Mar, 21:00
	3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:00
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 21:01
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:02
	3-5km N	Recorded	7	Projectile	E to W	N/K	13-Mar, 21:03
	3-5km NNW	Recorded	1	Muzzle flash		N/K	13-Mar, 21:05
3-5km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 21:05	
3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:05	

3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:05
3-5km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:06
3-5km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 21:06
3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:06
3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 21:07
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:12
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:13
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:14
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:16
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:17
5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:18
3-5km N	Recorded	2	Projectile	E to W	N/K	13-Mar, 21:22
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:28
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:31
5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:38
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:50
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:50
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:50
3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:53
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:54
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:54
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:54
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:55
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:55
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:55
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:56
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:56
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:56
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:57
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:57
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:58
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:58
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 22:04
2-4km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 22:04
2-4km N	Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	13-Mar, 22:04

	2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:10
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 22:11
	3-5km N	Recorded	2	Projectile	E to W	N/K	13-Mar, 22:13
	3-5km N	Recorded	3	Projectile	W to E	N/K	13-Mar, 22:15
	3-5km N	Recorded	4	Explosion	Undetermined	N/K	13-Mar, 22:15
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 22:16
	3-5km N	Recorded	1	Projectile	W to E	N/K	13-Mar, 22:16
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	13-Mar, 22:17
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:20
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:21
	3-5km N	Recorded	5	Muzzle flash		N/K	13-Mar, 22:31
	2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 23:42
	2-4km N	Recorded	1	Projectile	SE to NW, subsequent to previous event	N/K	13-Mar, 23:42
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	14-Mar, 00:09
	3-5km NNE	Recorded	2	Projectile	E to W	N/K	14-Mar, 02:14
	3-5km N	Recorded	2	Projectile	E to W	N/K	14-Mar, 03:19
	3-5km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 03:58
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 17:58
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:37
	5-7km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 18:38
	5-7km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 18:38
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:38
	5-7km N	Recorded	2	Projectile	E to W	N/K	14-Mar, 18:42
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	14-Mar, 18:42
	5-7km N	Recorded	7	Projectile	E to W	N/K	14-Mar, 18:43
Railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	3-4km W	Heard	2	Explosion	Impact	N/K	14-Mar, 08:53
	3-4km W	Heard	2	Explosion	Impact	N/K	14-Mar, 09:01
	4-5km SW	Heard	1	Explosion	Impact	N/K	14-Mar, 09:15
	4-5km W	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:16
	3-4km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:16
	3-4km W	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:18
About 1km N of railway station in Donetsk city (6km NW of Donetsk city centre)	6-8km NNE	Heard	1	Explosion	Undetermined	N/K	14-Mar, 09:56
About 700m ESE of Kruta Balka (non-government-controlled, 16km N of Donetsk)	1-2km NW	Heard	6	Shot	Assessed as within 5km radius of DFS	Small arms	14-Mar, 11:18
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SSE	Heard	23	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 09:42-09:45
	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Mar, 09:45
	2-3km SSE	Heard	8	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 10:39-10:41

	2-3km SSE	Heard	6	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 10:45
About 700m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSE	Heard	10	Burst	Assessed as outside the disengagement area	N/K	14-Mar, 11:00
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	10km NW	Heard	4	Explosion	Undetermined	N/K	14-Mar, 09:46-09:51
	10km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 13:49
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4km SE	Heard and saw	1	Explosion	Undetermined	N/K	14-Mar, 10:34
	4km SE	Saw	1	Burst	Airburst		14-Mar, 10:34
	4km SE	Saw	1	Burst	Airburst		14-Mar, 10:50
	N/K SSE	Saw	1	Explosion	Undetermined	N/K	14-Mar, 13:40
About 600m W of Verkhnoшыrokivske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	1-2km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 11:38
Horlivka (non-government-controlled, 39km NE of Donetsk)	0.5-1km ESE	Heard	2	Burst		Small arms	13-Mar, 22:12
	0.5-1km ESE	Heard	2	Burst		Small arms	13-Mar, 22:17
	0.5-1km ESE	Heard	2	Shots		Small arms	13-Mar, 22:19
	3-4km W	Heard	7	Burst		HMG	13-Mar, 22:18-22:20
	3-4km W	Heard	1	Explosion	Undetermined	N/K	13-Mar, 22:21
	3-4km W	Heard	8	Burst		HMG	13-Mar, 22:43-22:44
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	13-Mar, 23:56
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:01
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:03
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:05
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:07
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:09
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:13
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:15
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:17
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 00:18
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:20
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:22
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:25
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:28
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:30
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:32
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	14-Mar, 01:33-01:35
	4-6km NNW	Heard	16	Explosion	Undetermined	N/K	14-Mar, 01:40-01:50
	4-6km NW	Heard	15	Explosion	Undetermined	N/K	14-Mar, 02:06-02:18
	4-5km W	Heard	3	Burst		HMG	14-Mar, 02:24
	5-6km WNW	Heard	4	Explosion	Undetermined	N/K	14-Mar, 02:24-02:28
	4-5km W	Heard	4	Burst		HMG	14-Mar, 02:31
5-6km WNW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 02:36	

	3-4km NW	Heard	11	Explosion	Undetermined	N/K	14-Mar, 02:37-02:40
	4-5km NW	Heard	6	Explosion	Undetermined	N/K	14-Mar, 02:51-02:55
About 6km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km NW	Heard	40	Burst		HMG	14-Mar, 14:10-14:20
	2-3km NW	Heard	25	Burst		HMG	14-Mar, 14:25-14:30
	2-3km NW	Heard	7	Burst		HMG	14-Mar, 14:32-14:39
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km S	Heard	8	Burst		HMG	13-Mar, 21:03-21:05
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	13-Mar, 22:38
	3-5km S	Heard	1	Explosion	Undetermined	N/K	13-Mar, 23:15
	2-3km SE	Heard	3	Explosion	Undetermined	N/K	13-Mar, 23:32
	3-5km SE	Heard	2	Burst	Undetermined	N/K	13-Mar, 22:38
	3-5km SSW	Heard	6	Explosion	Undetermined	N/K	13-Mar, 23:48-23:52
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-5km SE	Heard	2	Explosion	Undetermined	N/K	14-Mar, 18:40
	3-5km SE	Heard	23	Explosion	Undetermined	N/K	13-Mar, 23:15-23:50
	8-10km S	Heard	8	Explosion	Undetermined	N/K	14-Mar, 00:10-01:10
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	14-Mar, 00:10-01:10
	3-5km SE	Heard	32	Burst		HMG	14-Mar, 00:10-01:10
	8-10km S	Heard	24	Explosion	Undetermined	N/K	14-Mar, 01:35-02:10
	3-5km SE	Heard	40	Shot		Small arms	14-Mar, 01:35-02:30
	3-5km SE	Heard	27	Burst		HMG	14-Mar, 01:35-02:30
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	14-Mar, 04:37-05:45
	3-5km SE	Heard	32	Shots and bursts		Small arms	14-Mar, 04:37-05:45
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km SE	Heard	12	Burst		HMG	14-Mar, 04:37-05:45
	1-1.5km NNW	Heard	5	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 11:53
	1-1.5km NNW	Heard	3	Burst	Assessed as outside the disengagement area	Small arms	14-Mar, 11:53
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	4-6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:05
	2-4km SSW	Recorded	1	Explosion	Airburst	N/K	14-Mar, 17:40
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:33
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 23:35
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:41
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:45
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	2	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:00
	3-5km ENE	Recorded	2	Explosion	Undetermined, assessed as outside the	N/K	14-Mar, 04:01

					disengagement area		
	3-5km ENE	Recorded	4	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:02
	3-5km ENE	Recorded	1	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:03
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	5	Projectile	W to E	N/K	14-Mar, 20:15
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2.5-3.5km SE	Recorded	11	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:36
	2.5-3.5km SE	Recorded	40	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:38
	2.5-3.5km SE	Recorded	8	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:43
	2.5-3.5km SE	Recorded	3	Projectile	N to S, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:43
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	14-Mar, 20:43
	2-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:51
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	14-Mar, 21:53
	3-4km ESE	Recorded	2	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:54
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as subsequent to previous event and inside the	N/K	14-Mar, 21:54

					disengagement area		
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:58	
3-4km ESE	Recorded	1	Explosion	Impact, assessed as subsequent to previous event and inside the disengagement area	N/K	14-Mar, 21:58	
2-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 22:42	
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 22:43	
3-4km ESE	Recorded	1	Explosion	Airburst, subsequent to previous event, assessed as inside the disengagement area	N/K	14-Mar, 22:43	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:44	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:48	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:58	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:01	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:03	
2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside of the disengagement area	N/K	14-Mar, 23:14	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:14	
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the	N/K	14-Mar, 23:21	

					disengagement area		
	2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside of the disengagement area	N/K	14-Mar, 23:27
	2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:27
	5-7km ESE	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 23:28
	2-4km ESE	Recorded	6	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:29
	3-4km ESE	Recorded	6	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 23:39
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	14-Mar, 19:38
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:47
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:12
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:13
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:14
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:15
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:16
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:19
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:20
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 00:00
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Mar, 21:05
	2-4km ESE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	14-Mar, 21:05
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Mar, 21:06
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Mar, 21:07
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:46
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 21:50
	3-4km NNE	Recorded	1	Projectile	SW to NE	N/K	14-Mar, 21:54
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:54
	1-2km NNE	Recorded	1	Muzzle flash		N/K	14-Mar, 21:57
	1-2km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	14-Mar, 21:57
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:58
	3-4km NNE	Recorded	1	Illumination flare	W to E	N/K	14-Mar, 21:59
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:59
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:00
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:02

	3-4km NNE	Recorded	2	Projectile	W to E	N/K	14-Mar, 22:04
	3-4km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 22:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:47
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:50
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:52
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:55
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:10
	4-6km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:11
	4-6km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:13
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:15
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:16
	4-6km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:19
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:25
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:38
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:45
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:52
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:54
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 00:14
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 01:23
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km NE	Recorded	4	Projectile	SSW to NNE (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:12
	1-3km NE	Recorded	2	Projectile	SSW to NNE	N/K	14-Mar, 22:14
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:53
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:55
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:58
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-7km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 19:29
	5-7km N	Recorded	5	Projectile	SE to NW	N/K	14-Mar, 19:38
	5-7km N	Recorded	3	Projectile	SE to NW	N/K	14-Mar, 19:42
	5-7km N	Recorded	14	Projectile	SE to NW	N/K	14-Mar, 19:43
	5-7km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 19:46
	3-5km N	Recorded	4	Projectile	E to W	N/K	14-Mar, 20:23
	3-5km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 20:24
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 20:36
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	14-Mar, 20:43
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 21:14
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:01
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:01
	3-5km N	Recorded	5	Projectile	E to W	N/K	14-Mar, 22:10
	3-5km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:26
	3-5km N	Recorded	2	Projectile	W to E	N/K	14-Mar, 23:09
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 23:18
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:32
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:36
	3-5km N	Recorded	5	Projectile	E to W	N/K	15-Mar, 01:05
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 01:06
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	15-Mar, 01:14
	2-4km N	Recorded	16	Muzzle flash		N/K	15-Mar, 02:08
	2-4km N	Recorded	19	Projectile	NW to SE	N/K	15-Mar, 02:08
	2-4km N	Recorded	3	Explosion	Impact	N/K	15-Mar, 02:08

	2-4km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 02:08
	2-4km N	Recorded	12	Projectile	W to E	N/K	15-Mar, 02:09
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	15-Mar, 02:10
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	15-Mar, 02:50
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	15-Mar, 02:51
	5-7km N	Recorded	10	Projectile	WSW to ENE	N/K	15-Mar, 18:21
	5-7km N	Recorded	1	Burst	SE to NW	N/K	15-Mar, 18:21
	5-7km N	Recorded	6	Projectile	WSW to ENE	N/K	15-Mar, 18:22
	5-7km N	Recorded	3	Projectile	SE to NW	N/K	15-Mar, 18:22
	5-7km N	Recorded	3	Muzzle flash		N/K	15-Mar, 18:22
	5-7km N	Recorded	5	Projectile	WSW to ENE	N/K	15-Mar, 18:22
	5-7km N	Recorded	2	Projectile	SW to NE	N/K	15-Mar, 18:23
	5-7km N	Recorded	2	Projectile	SW to NE	N/K	15-Mar, 18:24
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:27
	5-7km N	Recorded	3	Projectile	WSW to ENE	N/K	15-Mar, 18:27
	5-7km NNE	Recorded	8	Explosion	Undetermined	N/K	15-Mar, 18:30
	2-4km NNE	Recorded	5	Projectile		N/K	15-Mar, 18:31
	5-7km N	Recorded	4	Projectile		N/K	15-Mar, 18:31
	2-4km NNE	Recorded	5	Explosion	Undetermined	N/K	15-Mar, 18:31
	5-7km N	Recorded	4	Explosion	Undetermined	N/K	15-Mar, 18:31
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:46
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 18:49
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:53
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:54
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 18:56
About 1km NW of railway station in Yasinuvata (non-government-controlled, 16km NE of Donetsk)	3km SW	Heard	3	Explosion	Undetermined (within 5km radius of DFS)	N/K	15-Mar, 09:08-09:11
Railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	3-4km W	Heard	28	Explosion	Undetermined	N/K	15-Mar, 11:05-11:30
	3-4km W	Heard	11	Burst		HMG	15-Mar, 11:05-11:30
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km NNW	Heard	2	Explosion	Undetermined	N/K	15-Mar, 11:13
About 1km SE of Chermalyk (government-controlled, 77km S of Donetsk)	300m S	Heard	5	Shot		N/K	15-Mar, 12:50-12:56
	3-4km SE	Heard	26	Burst		HMG	15-Mar, 12:50-12:56
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Mar, 12:50-12:56
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km WNW	Heard	5	Burst		HMG	14-Mar, 22:11-22:13
	7-9km WNW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 22:46-22:48
	7-9km SW	Heard	11	Explosion	Undetermined	N/K	14-Mar, 23:12-23:18
	7-9km SW	Heard	3	Explosion	Undetermined	N/K	14-Mar, 23:22
	7-9km SW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 23:54
	6-8km S	Heard	8	Explosion	Undetermined	N/K	15-Mar, 00:02-00:04
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	15-Mar, 10:25
	3-4km W	Heard	3	Burst		HMG	15-Mar, 10:30
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km N	Heard	12	Burst		HMG	14-Mar, 20:13-20:14
	3-5km SE	Heard	8	Burst		HMG	14-Mar, 21:00
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	14-Mar, 22:01

	4-6km S	Heard	6	Explosion	Undetermined	N/K	15-Mar, 08:36-08:39
	4-6km S	Heard	1	Explosion	Undetermined	N/K	15-Mar, 13:39
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	13-15km N	Heard	40	Explosion	Undetermined	N/K	15-Mar, 05:50-06:20
N edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	3-5km ESE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 10:15
N edge of Smile (non-government-controlled, 31km NW of Luhansk)	3-4km NW	Heard	13	Shot		Small arms	15-Mar, 11:09-11:12
	5-8km WNW	Heard	4	Shot		HMG	15-Mar, 11:13
Shchastia (government-controlled, 20km N of Luhansk)	5-8km SE	Heard	19	Explosion	Undetermined	N/K	15-Mar, 12:23-12:34
3km E of Staryi Aidar (government-controlled, 20km NW of Luhansk)	4-8km SE	Heard	6	Explosion	Undetermined	N/K	15-Mar, 12:54-13:00
About 1km E of Zolote-3/Stakhanovets (government-controlled, 60km W of Luhansk)	5-10km ESE	Heard	1	Explosion	Undetermined	N/K	15-Mar, 13:41
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SW	Recorded	1	Projectile	NW to SE	N/K	14-Mar, 20:06
	2-4km SSW	Recorded	1	Projectile	WSW to ENE	N/K	14-Mar, 20:06
	3-5km SSW	Recorded	4	Explosion	Undetermined	N/K	14-Mar, 20:06
	3-5km SW	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 20:07
	3-5km SW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 20:08
	3-5km SW	Recorded	2	Explosion	Airburst	N/K	14-Mar, 20:08
	3-5km SW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 20:09
	3-5km SW	Recorded	8	Projectile	NW to SE	N/K	14-Mar, 20:23
	3-5km SSW	Recorded	2	Projectile	ENE to WSW	N/K	14-Mar, 20:23
	3-5km SSW	Recorded	9	Projectile	NW to SE	N/K	14-Mar, 20:32
	3-5km SW	Recorded	5	Projectile	In vertical flight	N/K	15-Mar, 18:52
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	4	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 19:28
	4-6km E	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 19:29
	3-5km E	Recorded	1	Projectile	N to S, assessed as outside the disengagement area	N/K	14-Mar, 19:29
	4-6km E	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	15-Mar, 18:59
	4-6km E	Recorded	7	Projectile	N to S, assessed as outside the disengagement area	N/K	15-Mar, 18:59

	5-7km SE	Recorded	2	Explosion	Undetermined, assessed as outside the disengagement area	N/K	15-Mar, 18:46
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