

Table of ceasefire violations as of 4 October 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 19:09
	2-4km SE	Recorded	3	Projectile	In vertical flight	N/K	3-Oct, 19:18
	2-3km SSE	Recorded	10	Projectile	NE to SW	N/K	3-Oct, 19:45
	2-3km SSE	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 19:45
	2-3km SSE	Recorded	14	Projectile	WNW to ESE	N/K	3-Oct, 19:46
	2-3km SSE	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 19:51
	2-4km SE	Recorded	6	Projectile	In vertical flight	N/K	3-Oct, 19:52
	2-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 19:53
	2-4km SE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 20:05
	2-4km SSE	Recorded	13	Projectile	In vertical flight	N/K	3-Oct, 20:05
	3-5km SE	Recorded	3	Projectile	In vertical flight	N/K	3-Oct, 20:06
	2-4km SSE	Recorded	5	Projectile	In vertical flight	N/K	3-Oct, 20:06
	4-6km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:10
	4-6km SSE	Recorded	2	Projectile	NE to SW	N/K	3-Oct, 20:11
	3-5km SSE	Recorded	3	Explosion	Undetermined	N/K	3-Oct, 20:11
	4-6km SSE	Recorded	2	Projectile	W to E	N/K	3-Oct, 20:13
	4-6km SSE	Recorded	8	Projectile	W to E	N/K	3-Oct, 20:18
	5-7km SSE	Recorded	3	Projectile	W to E	N/K	3-Oct, 20:20
	5-7km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:21
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	3-Oct, 20:33
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 20:43
	8-10km S	Recorded	2	Explosion	Undetermined, also recorded by Pyshevyk camera	N/K	3-Oct, 21:03
	10-12km S	Recorded	2	Projectile	WNW to ESE (also recorded by Pyshevyk camera)	N/K	3-Oct, 21:03
	2-4km SSE	Recorded	20	Projectile	W to E	N/K	3-Oct, 21:05
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	3-Oct, 21:06
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 21:11
	1-3km SE	Recorded	1	Projectile	ENE to WSW	N/K	3-Oct, 23:19
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:21
	1-3km SE	Recorded	1	Projectile	ENE to WSW	N/K	4-Oct, 00:11
	1-3km SE	Recorded	1	Projectile	W to E	N/K	4-Oct, 00:59
	1-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 01:47
	1-3km SSE	Recorded	4	Projectile	W to E	N/K	4-Oct, 02:22
2-4km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 02:50	
1-3km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 02:58	
2-4km SSE	Recorded	7	Projectile	WNW to ESE	N/K	4-Oct, 02:59	
2-4km SSE	Recorded	3	Projectile	W to E	N/K	4-Oct, 03:01	
2-4km SSE	Recorded	2	Projectile	W to E	N/K	4-Oct, 03:12	

¹⁰ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

	2-4km SSE	Recorded	3	Projectile	W to E	N/K	4-Oct, 03:14
	1-3km SE	Recorded	1	Projectile	WNW to ESE	N/K	4-Oct, 03:15
	2-4km SSE	Recorded	1	Explosion	Undetermined, Subsequent to previous event	N/K	4-Oct, 03:15
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	4-Oct, 03:16
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	4-Oct, 03:22
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 03:39
	1-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 04:00
	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	4-Oct, 04:13
	1-3km SE	Recorded	2	Projectile	SW to NE	N/K	4-Oct, 04:36
	1-3km SE	Recorded	2	Projectile	NNE to SSW	N/K	4-Oct, 04:36
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	4-Oct, 05:15
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Burst	In vertical flight	N/K	3-Oct, 20:05
	1-2km SSW	Recorded	13	Projectile	In vertical flight	N/K	3-Oct, 20:06
	150-250m SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:16
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:23
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:24
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:24
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	3-Oct, 20:24
	0.8-1.2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:25
	0.8-1.2km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:27
	0.8-1.2km S	Recorded	4	Projectile	W to E	N/K	3-Oct, 20:27
	1-2km SSW	Recorded	2	Projectile	SE to NW	N/K	3-Oct, 20:28
	0.6-1km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:28
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:42
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:41
	1-2km SSW	Recorded	1	Projectile	In vertical flight	N/K	3-Oct, 21:59
	200-400m SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:01
	0.7-1km SSE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:01
	200-300m SSW	Recorded	1	Muzzle flash		N/K	3-Oct, 22:03
	200-500m SSW	Recorded	1	Projectile	WSW to ENE	N/K	3-Oct, 22:03
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	4-Oct, 01:52
SMM camera 1.5km NE of Hnutove (government- controlled, 90km S of Donetsk)	1-3km ENE	Recorded	1	Projectile	NW to SE (also recorded by Chermalyk camera)	N/K	3-Sep, 20:16
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	3-Sep, 20:24
	6-8km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Oct, 18:57
SMM camera E of Lomakyne (government- controlled, 90km S of Donetsk)	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 18:55
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	3-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:06
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	3-Oct, 20:10
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	3-Oct, 20:43
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:47
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:09
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	3-Oct, 21:11
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:15
	1-3km ESE	Recorded	3	Projectile	N to S	N/K	3-Oct, 22:37
1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	4-Oct, 05:56	
SMM camera at entry-exit	3-5km NNE	Recorded	1	Projectile	SSW to NNE	N/K	3-Oct, 20:58

checkpoint in Marinka (government-controlled, 23km SW of Donetsk)							
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	3-5km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 18:45
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 18:50
	3-5km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 19:09
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:10
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:14
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:23
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 19:29
	3-5km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:30
	3-5km S	Recorded	11	Projectile	W to E	N/K	3-Oct, 19:48
	3-5km S	Recorded	9	Projectile	W to E	N/K	3-Oct, 19:49
	3-5km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 19:55
	3-5km S	Recorded	14	Projectile	NW to SE	N/K	3-Oct, 19:58
	3-5km S	Recorded	13	Projectile	NW to SE (also recorded by Chermalyk camera)	N/K	3-Oct, 20:01
	6-8km S	Recorded	1	Explosion	Undetermined, also recorded by Chermalyk camera	N/K	3-Oct, 20:07
	6-8km S	Recorded	3	Projectile	W to E	N/K	3-Oct, 22:07
	6-8km S	Recorded	2	Projectile	W to E	N/K	3-Oct, 22:14
	6-8km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 22:42
	6-8km S	Recorded	3	Projectile	E to W	N/K	3-Oct, 22:49
	6-8km S	Recorded	1	Projectile	E to W	N/K	3-Oct, 23:14
	6-8km S	Recorded	10	Projectile	W to E	N/K	3-Oct, 23:16
	6-8km S	Recorded	2	Projectile	E to W	N/K	3-Oct, 23:29
	6-8km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:32
	6-8km S	Recorded	3	Projectile	W to E	N/K	3-Oct, 23:34
	6-8km S	Recorded	7	Projectile	W to E	N/K	3-Oct, 23:35
	6-8km S	Recorded	1	Projectile	W to E	N/K	3-Oct, 23:42
	6-8km S	Recorded	7	Projectile	W to E	N/K	3-Oct, 23:45
	6-8km S	Recorded	5	Projectile	W to E	N/K	3-Oct, 23:51
	6-8km SSE	Recorded	7	Projectile	W to E	N/K	4-Oct, 00:19
	6-8km SSE	Recorded	9	Projectile	W to E	N/K	4-Oct, 00:20
	6-8km S	Recorded	2	Projectile	W to E	N/K	4-Oct, 02:14
	6-8km S	Recorded	6	Projectile	W to E	N/K	4-Oct, 04:21
	3-5km S	Recorded	1	Explosion	Undetermined, also recorded by Lomakyne and Chermalyk cameras	N/K	4-Oct, 04:24
6-8km S	Recorded	1	Projectile	W to E	N/K	4-Oct, 04:24	
6-8km S	Recorded	2	Projectile	W to E (also recorded by Lomakyne camera)	N/K	4-Oct, 04:27	
6-8km S	Recorded	3	Projectile	W to E	N/K	4-Oct, 04:28	
3-5km SSE	Recorded	1	Projectile	E to W	N/K	4-Oct, 04:55	
3-5km SSE	Recorded	1	Projectile	E to W	N/K	4-Oct, 05:02	
6-8km S	Recorded	1	Projectile	W to E	N/K	4-Oct, 05:05	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km ENE	Recorded	2	Projectile	NNW to SSE	N/K	3-Oct, 22:28
	4-6km ENE	Recorded	1	Muzzle flash		N/K	3-Oct, 22:28
	4-6km ENE	Recorded	13	Projectile	NNW to SSE	N/K	3-Oct, 22:33
	4-6km ENE	Recorded	14	Projectile	NNW to SSE	N/K	3-Oct, 22:34
	5-7km ENE	Recorded	9	Projectile	NNW to SSE	N/K	3-Oct, 22:38
	5-7km E	Recorded	1	Projectile	WSW to ENE	N/K	3-Oct, 22:40
	5-7km ENE	Recorded	8	Projectile	NNW to SSE	N/K	3-Oct, 22:44
4-6km ENE	Recorded	5	Projectile	NNW to SSE	N/K	3-Oct, 23:25	

	4-6km ENE	Recorded	3	Projectile	NNW to SSE	N/K	3-Oct, 23:26
	4-6km ENE	Recorded	7	Projectile	NNW to SSE	N/K	3-Oct, 23:27
	4-6km ENE	Recorded	9	Projectile	NNW to SSE	N/K	3-Oct, 23:28
	4-6km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 00:32
	4-6km ESE	Recorded	2	Projectile	S to N	N/K	4-Oct, 01:21
	4-6km ESE	Recorded	1	Projectile	NW to SE	N/K	4-Oct, 01:31
	4-6km ENE	Recorded	10	Projectile	WNW to ESE	N/K	4-Oct, 04:39
	4-6km ENE	Recorded	3	Projectile	WNW to ESE	N/K	4-Oct, 04:40
	4-6km ENE	Recorded	90	Projectile	WNW to ESE	N/K	4-Oct, 04:43
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km S	Heard	40	Shot		Small arms	4-Oct, 09:58-10:02
	1-2km S	Heard	3	Shot		Small arms	4-Oct, 10:05-10:07
E edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km S	Heard	7	Shot		Small arms	4-Oct, 10:37
	2-3km S	Heard	63	Burst		HMG	4-Oct, 10:50-10:55
About 3.5km N of Novotroitske (government-controlled, 36km SW of Donetsk)	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 12:12-12:29
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	1	Burst		HMG	4-Oct, 09:45
	2-3km W	Heard	36	Shot		Cannon (30mm)	4-Oct, 09:46-09:48
	2-3km W	Heard	40	Shot		Cannon (30mm)	4-Oct, 09:55-10:00
	2-3km W	Heard	3	Shot		Cannon (30mm)	4-Oct, 10:07
	3-4km SW	Heard	7	Shot		Small arms	4-Oct, 11:15-11:26
	1-2km SW	Heard	1	Shot		HMG	4-Oct, 11:31
	1-2km SW	Heard	6	Shot		HMG	4-Oct, 11:49
Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K SE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	4-Oct, 10:55
About 3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	N/K SW	Heard	8	Explosion	Undetermined	N/K	4-Oct, 11:40-12:00
	N/K SW	Heard	5	Burst		HMG	4-Oct, 11:40-12:00
	N/K SW	Heard	10	Burst		Small arms	4-Oct, 11:40-12:00
	N/K SW	Heard	6	Shot		Small arms	4-Oct, 11:40-12:00
	N/K SW	Heard	35	Burst		Small arms	4-Oct, 12:05-12:10
	N/K NNW	Heard	4	Burst		Small arms	4-Oct, 12:05-12:10
About 1km NNE of Zaichenko (non-government-controlled, 93km S of Donetsk)	N/K S	Heard	1	Shot		Small arms	4-Oct, 12:20
	N/K WSW	Heard	6	Explosion	Undetermined	N/K	4-Oct, 12:25
W edge of Chermalyk (government-controlled, 77km south of Donetsk)	5-7km S	Heard	5	Explosion	Undetermined	N/K	4-Oct, 12:27
About 2.5km SSE of Lebedynske (government-controlled, 99km	4-5km NNE	Heard	1	Explosion	Outgoing	N/K	4-Oct, 12:29

south of Donetsk)							
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 18:53
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 19:01
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 19:06
	1-3km SSW	Heard	9	Shot		Small arms	3-Oct, 19:08
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 19:34
	3-5km SW	Heard	4	Burst		HMG	3-Oct, 20:18
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:19
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:31
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 20:35
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 20:44
	5-7km SW	Heard	5	Explosion	Undetermined	N/K	3-Oct, 20:49-20:51
	1-3km SSW	Heard	3	Shot		Small arms	3-Oct, 20:56
	5-7km SSW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 21:05
	3-5km SW	Heard	7	Burst		HMG	3-Oct, 21:05-21:09
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 21:16
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 21:18
	3-5km SW	Heard	7	Burst		HMG	3-Oct, 21:37
	5-7km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 21:49
	3-5km SSW	Heard	3	Burst		HMG	3-Oct, 22:02
	3-5km SW	Heard	9	Burst		HMG	3-Oct, 22:28-22:30
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 22:36
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 22:41-22:43
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	3-Oct, 22:45-22:46
	3-5km SSW	Heard	3	Burst		HMG	3-Oct, 22:51
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 22:53
	3-5km SW	Heard	10	Burst		HMG	3-Oct, 22:59
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 23:01
	3-5km SW	Heard	3	Burst		HMG	3-Oct, 23:06
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 23:21
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	3-Oct, 23:26
	3-5km SW	Heard	3	Burst		HMG	4-Oct, 07:33
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 07:42
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 08:14
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:13
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:38
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 12:03
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 13:23
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 14:56
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 14:56
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 15:09
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 15:31	
3-5km SW	Heard	35	Burst		HMG	4-Oct, 16:42-16:50	
3-5km SW	Heard	18	Burst		HMG	4-Oct, 17:05	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 17:08	
3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 17:32	
3-5km SW	Heard	24	Explosion	Undetermined	N/K	4-Oct, 17:44-17:56	
3-5km SSW	Heard	38	Explosion	Undetermined	N/K	4-Oct, 18:01-18:27	
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km S	Heard	30	Shot		Small arms	4-Oct, 09:45-09:50
	2-3km S	Heard	20	Burst		HMG	4-Oct, 10:00-10:01
Troitske (government-	3-5km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:45
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:52

controlled, 30km N of Donetsk	3-5km SW	Heard	4	Explosion	Undetermined	N/K	4-Oct, 10:56-10:57
	3km SW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:59
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:02
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:05
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km SW	Heard	14	Explosion	Undetermined	N/K	4-Oct, 17:36-17:41
	5-6km SW	Heard	26	Explosion	Undetermined	N/K	4-Oct, 17:44-18:00
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:22
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 22:23
	2-4km SSW	Recorded	3	Projectile	ESE to WNW	N/K	3-Oct, 22:23
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:25
	2-4km SSW	Recorded	2	Projectile	ESE to WNW	N/K	3-Oct, 22:25
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	3-Oct, 22:26
	2-4km SSW	Recorded	13	Projectile	WNW to ESE	N/K	3-Oct, 22:27
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	3-Oct, 22:29
	2-4km SSW	Recorded	8	Projectile	WNW to ESE	N/K	3-Oct, 22:30
	2-4km SSW	Recorded	5	Projectile	WNW to ESE	N/K	3-Oct, 22:32
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 22:33
	2-4km SSW	Recorded	6	Projectile	WNW to ESE	N/K	3-Oct, 22:34
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	3-Oct, 22:35
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	3-Oct, 22:36
	2-4km SSW	Recorded	1	Explosion	Outgoing	N/K	3-Oct, 22:36
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 22:42
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km SE	Recorded	2	Burst	In vertical flight, unable to assess whether inside or outside the disengagement area	N/K	3-Sep, 20:06
	1.5-3km E	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	3-Sep, 21:25
	1.5-3km E	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	3-Sep, 21:36
	4-6km ENE	Recorded	3	Projectile	In vertical flight, assessed as outside the disengagement area	N/K	3-Sep, 22:29
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	0.6-1km NW	Heard	2	Burst		Anti-aircraft gun (ZU-23, 23mm)	3-Oct, 20:08-20:09
Popasna (government-controlled, 69km W of Luhansk)	8-10km SE	Heard	1	Explosion	Undetermined	N/K	4-Oct, 09:50
	6-8km SE	Heard	2	Explosion	Undetermined	N/K	4-Oct, 13:02-13:10
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	4-6km SE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	4-Oct, 10:44-10:55
NE edge of Troitske (government-controlled, 67km W of Luhansk)	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:50

of Luhansk)							
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