

**Table of ceasefire violations as of 20 October 2019<sup>12</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	18-Oct, 19:59
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	18-Oct, 20:43
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:03
	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K	19-Oct, 01:51
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	18-Oct, 22:34
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km S of Donetsk)	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	18-Oct, 21:46
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	18-Oct, 22:02
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	1-2km S	Recorded	1	Projectile	NNW to SSE	N/K	18-Oct, 18:34
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 18:34
	1-2km S	Recorded	1	Projectile	NNW to SSE	N/K	18-Oct, 18:38
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-6km N	Recorded	14	Projectile	WNW to ESE	N/K	18-Oct, 19:38
	2-4km NNE	Recorded	1	Explosion		N/K	18-Oct, 21:50
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Oct, 21:50
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Oct, 21:54
	2-4km NNE	Recorded	1	Explosion		N/K	18-Oct, 21:55
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Oct, 21:55
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Oct, 21:56
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-7km E	Recorded	24	Projectile	NNW to SSE	N/K	18-Oct, 18:43
	2-7km ESE	Recorded	12	Explosion	Undetermined	N/K	18-Oct, 18:43
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:10
	1km SE	Heard	1	Shot		Small arms	19-Oct, 09:51

<sup>12</sup> 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.

Avdiivka (government-controlled, 17km N of Donetsk)	2-3km NE	Heard	4	Burst		Small arms	19-Oct, 10:26
	2-3km NE	Heard	9	Burst		Small arms	19-Oct, 10:29-10:31
	2-3km NNE	Heard	6	Shot		Small arms	19-Oct, 10:40
	2-3km NNE	Heard	18	Burst		Small arms	19-Oct, 10:43
	2-3km NNE	Heard	1	Burst		Small arms	19-Oct, 10:44
	2-3km NNE	Heard	2	Shot		Small arms	19-Oct, 10:46
	1-2km SE	Heard	1	Shot		Small arms	19-Oct, 11:07
	1-2km SSE	Heard	3	Shot		Small arms	19-Oct, 11:12
About 6km N of Donetsk city centre (non-government-controlled)	2-3km NW	Heard	31	Explosion	Undetermined	N/K	19-Oct, 14:15-14:21
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 14:29
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	3-4km SW	Heard and saw	2	Explosion	Impact	N/K	19-Oct, 11:53
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:11
Marinka (government-controlled, 23km S of Donetsk)	2-3km E	Heard	15	Burst		Small arms	19-Oct, 13:50-13:55
	2-3km E	Heard	3	Shot		Small arms	19-Oct, 13:50-13:55
About 800m S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	2km W	Heard	4	Shot		Small arms	19-Oct, 09:45
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	1-2km W	Heard	3	Burst		Small arms	19-Oct, 12:21-12:23
	1-2km W	Heard	4	Burst		Small arms	19-Oct, 13:05-13:10
	3-4km W	Heard	4	Explosion	Undetermined	N/K	19-Oct, 13:05-13:10
	3-4km W	Heard	1	Explosion	Undetermined	N/K	19-Oct, 13:11
	1-2km W	Heard	15	Burst		Small arms	19-Oct, 13:12-13:15
SE part of Pervomaiske (government-controlled, 17km NW of Donetsk)	2-3km NE	Heard	55	Shot		Small arms	19-Oct, 10:20
	2-3km NE	Heard	8	Burst		Small arms	19-Oct, 10:20
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	3-4km W	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:10
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:23
	2-3km SE	Heard	5	Shot		HMG	19-Oct, 10:29
	2-3km SE	Heard	1	Burst		HMG	19-Oct, 10:29
	2-3km SE	Heard	1	Explosion	Outgoing	N/K	19-Oct, 10:31
About 1km NW of the railway station in	3-4km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:09
	1-2km S	Heard	10	Shot		Small arms	19-Oct, 11:40

Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km S	Heard	2	Explosion	Undetermined	N/K	19-Oct, 11:53
	3-4km S	Heard	2	Explosion	Undetermined	N/K	19-Oct, 12:20
	3-4km S	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:40
	3-4km S	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:46
	3-4km S	Heard	4	Explosion	Undetermined	N/K	19-Oct, 12:52
	3-4km S	Heard	6	Explosion	Undetermined	N/K	19-Oct, 13:02-13:03
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km NNW	Heard	2	Explosion	Undetermined	N/K	19-Oct, 13:43
	3-4km SSW	Heard	21	Explosion	Undetermined	N/K	19-Oct, 14:14
	2-3km SSW	Heard	120	Shot		Small arms	19-Oct, 14:14-14:20
E part of Krasnohorivka (government-controlled, 21km W of Donetsk)	5-7km NE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 11:54
	5-7km NE	Heard	3	Explosion	Undetermined	N/K	19-Oct, 12:22-13:04
About 2.5km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	2-3km NE	Heard	8	Burst		Small arms	19-Oct, 10:03-10:05
About 1km ENE of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-6km NNE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-Oct, 10:12
	1-3km E	Heard	1	Shot	Assessed inside the Petrivske disengagement area	Small arms	19-Oct, 10:50
	5-7km NNE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	19-Oct, 11:55
About 1km NNW of Pyshevyk (government-controlled, 84km S of Donetsk)	3-5km E	Heard	7	Burst		HMG	19-Oct, 10:40-00:00
	2-3km NE	Heard	6	Shot		Small arms	19-Oct, 13:59-14:04
	4-5km SSE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 14:02
	2-3km NE	Heard	2	Shot		Small arms	19-Oct, 14:11-14:12
	2-3km NE	Heard	6	Shot		Small arms	19-Oct, 14:15-14:20
	2-3km NE	Heard	7	Shot		Small arms	19-Oct, 14:37-14:39
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	2-3km ENE	Heard	2	Burst		HMG	19-Oct, 11:15
	2-3km ENE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 11:20
	2-3km E	Heard	1	Explosion	Undetermined	N/K	19-Oct, 11:27
	1-2km NE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 11:27
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km N	Heard	11	Shot		Small arms	19-Oct, 12:47
	2-3km N	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:47
	2-3km N	Heard	3	Burst		HMG	19-Oct, 12:47
	2-3km N	Heard	3	Shot		Small arms	19-Oct, 12:47
	2-3km N	Heard	7	Shot		AGL	19-Oct, 12:47
	2-3km N	Heard		Burst	Uncountable	HMG	19-Oct, 13:03
	2-3km N	Heard		Burst	Uncountable	HMG	19-Oct, 13:05

	2-3km NE	Heard	3	Burst		Small arms	19-Oct, 13:08
	2-3km N	Heard		Shot	Uncountable	AGL	19-Oct, 13:18
	2-3km N	Heard	4	Shot		Small arms	19-Oct, 13:18
	2-3km N	Heard	2	Burst		HMG	19-Oct, 13:30-13:40
	2-3km N	Heard		Burst	Uncountable	HMG	19-Oct, 13:41-13:43
Orlivske (government-controlled, 82km S of Donetsk)	6-8km ENE	Heard	9	Explosion	Undetermined	N/K	19-Oct, 13:15-13:28
NNW part of Sakhanka (non-government-controlled, 97km S of Donetsk)	2-3km W	Heard	33	Shot		Small arms	19-Oct, 13:15-13:22
	2-3km W	Heard	15	Burst		HMG	19-Oct, 13:15-13:22
	2-3km W	Heard	18	Burst		Cannon 30mm	19-Oct, 13:15-13:22
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:14
	2-3km WNW	Heard	6	Burst		HMG	18-Oct, 21:15
	3-5km W	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:16
	3-5km WSW	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:19
	2-3km WNW	Heard	3	Burst		HMG	18-Oct, 21:19
	2-3km W	Heard	3	Burst		HMG	18-Oct, 21:22
	3-5km W	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:29
	2-3km WNW	Heard	3	Burst		HMG	18-Oct, 21:30
	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:33
	3-5km WNW	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:36
	3-5km W	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:38
	2-3km WNW	Heard	7	Burst		HMG	18-Oct, 21:39-21:41
	2-3km W	Heard	2	Burst		HMG	18-Oct, 21:48
	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:57
	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 22:30
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	10	Burst		HMG	18-Oct, 18:40-18:45
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	18-Oct, 20:19-20:21
	5-6km SE	Heard	3	Explosion	Undetermined	N/K	18-Oct, 20:45
	3-4km SE	Heard	5	Burst		HMG	18-Oct, 21:12
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:13
	4-5km WSW	Heard	3	Explosion	Undetermined	N/K	18-Oct, 21:30
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:35
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 22:51
3-4km SE	Heard	2	Burst		HMG	18-Oct, 22:52	

	3-4km SE	Heard	3	Burst		HMG	18-Oct, 23:17
	3-5km SSE	Heard	16	Burst		HMG	19-Oct, 09:02-09:05
	3-5km SSE	Heard	11	Burst		HMG	19-Oct, 09:59-10:01
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	1-2km SE	Heard	1	Shot		Small arms	19-Oct, 09:55
	1-2km E	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:09
	1-2km E	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:22
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 10:31
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 10:58
	1-2km E	Heard	1	Shot		Small arms	19-Oct, 11:19
	1-2km E	Heard	4	Burst		Small arms	19-Oct, 11:24
	1-2km S	Heard	2	Explosion	Undetermined	N/K	19-Oct, 13:01-13:03
	3-4km S	Heard	1	Explosion	Undetermined	N/K	19-Oct, 13:18
Troitske (government-controlled, 30km N of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:20
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	19-Oct, 10:32
E Edge of Novobakhmutivka (government-controlled, 28km N of Donetsk)	4-5km E	Heard	2	Explosion	Undetermined	N/K	19-Oct, 11:58
	4-5km NE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:12
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km SE	Recorded	2	Projectile	NNE to SSW (unable to assess whether inside or outside the disengagement area)	N/K	18-Oct, 20:13
	1-2km ESE	Recorded	1	Projectile	NNE to SSW (unable to assess whether inside or outside the disengagement area)	N/K	18-Oct, 20:14
	2-4km SE	Recorded	11	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	18-Oct, 20:21
	2-4km SE	Recorded	3	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	18-Oct, 20:22
	3-5km ENE	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	18-Oct, 21:10
	3-5km E	Recorded	1	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	18-Oct, 22:06
	3-5km E	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	18-Oct, 22:06
	2-4km SE	Recorded	1	Projectile	In vertical flight (assessed as inside the disengagement area)	N/K	18-Oct, 22:12
N edge of	5-10km NE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 02:38

Popasna (government-controlled, 69km W of Luhansk)	5-10km NE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 02:57
	5-10km NE	Heard	10	Burst		HMG	19-Oct, 03:00-03:05
	5-10km NE	Heard	2	Explosion	Undetermined	RPG	19-Oct, 03:15-03:18
	5-10km NE	Heard	2	Explosion	Undetermined	RPG	19-Oct, 03:25-03:28
E edge of Popasna (government-controlled, 69 km W of Luhansk)	2-3km SE	Heard	1	Burst		Small arms	19-Oct, 10:44
	9-10km SE	Heard	1	Explosion	Undetermined	Artillery	19-Oct, 11:05
S edge of Popasna (government-controlled, 69 km W of Luhansk)	5-10km S	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:38
1.8km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	0.7-1.2km W	Heard	3	Shot		N/K	19-Oct, 10:30-10:43
1km NW of Perevalsk (non-government-controlled, 38km W of Luhansk)	4-6km ESE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 11:17
2.2km ENE of Buhaiivka (non-government-controlled, 37km SW of Luhansk)	1km WSW	Heard	2	Explosion	Undetermined	N/K	19-Oct, 12:05
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded	1	Illumination flare	In vertical flight (also recorded by the SMM camera at the Oktiabr Mine)	N/K	20-Oct, 02:40
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	16	Projectile	WSW to ENE	N/K	19-Oct, 20:09
	2-4km SE	Recorded	18	Projectile	WSW to ENE	N/K	19-Oct, 20:11
	2-4km SE	Recorded	3	Projectile	WSW to ENE	N/K	19-Oct, 20:16
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	19-Oct, 20:16
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	19-Oct, 20:16
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	19-Oct, 20:21
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	19-Oct, 20:21
	2-4km SE	Recorded	4	Projectile	WSW to ENE	N/K	19-Oct, 20:21
	2-4km SSE	Recorded	11	Projectile	WSW to ENE	N/K	19-Oct, 20:22
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Oct, 20:33
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 20:04
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Oct, 20:23
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	19-Oct, 20:23
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 20:45
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	19-Oct, 21:04

	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	19-Oct, 21:54
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 22:14
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 22:28
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 22:40
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	19-Oct, 22:45
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	19-Oct, 22:47
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	19-Oct, 22:48
	2-4km ENE	Recorded	5	Projectile	NW to SE	N/K	19-Oct, 22:48
	2-4km ENE	Recorded	1	Projectile	SW to NE	N/K	19-Oct, 22:48
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 22:49
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	19-Oct, 22:50
	2-4km ENE	Recorded	12	Projectile	S to N	N/K	19-Oct, 22:50
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	19-Oct, 22:51
	2-4km E	Recorded	1	Projectile	N to S	N/K	19-Oct, 22:58
	2-4km E	Recorded	1	Projectile	N to S	N/K	19-Oct, 23:03
	2-4km ENE	Recorded	24	Projectile	N to S	N/K	20-Oct, 00:19
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	20-Oct, 00:28
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	20-Oct, 02:11
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km S of Donetsk)	2-4km N	Recorded	2	Projectile	SSW to NNE	N/K	19-Oct, 18:45
Avdiiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	1	Shot		Small arms	20-Oct, 11:35
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km NE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 12:57
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	3km NNW	Heard	1	Explosion	Undetermined	N/K	20-Oct, 13:16
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3km WSW	Heard	1	Explosion	Undetermined	N/K	20-Oct, 09:16
	3km WSW	Heard	1	Explosion	Undetermined	N/K	20-Oct, 09:18
	2km SW	Heard	20	Burst		HMG	20-Oct, 13:35-13:40
	2km SW	Heard	8	Burst		HMG	20-Oct, 13:45
	2km SW	Heard	9	Burst		HMG	20-Oct, 13:50
	2km SW	Heard	10	Burst		HMG	20-Oct, 13:52
	2km SW	Heard	22	Burst		HMG	20-Oct, 14:00
Pikuzy (formerly Kominternove, non-government-controlled, 92km S of Donetsk)	N/K S	Heard	2	Shot		Small arms	20-Oct, 12:10
	N/K NW	Heard	1	Shot		Small arms	20-Oct, 12:10

About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4km SE	Heard	8	Burst		Cannon 30mm	20-Oct, 09:32-09:39
	2km S	Heard	4	Burst		Cannon 30mm	20-Oct, 09:32-09:39
	2km S	Heard	3	Shot		Small arms	20-Oct, 09:32-09:39
	2km E	Heard	2	Shot		AGL	20-Oct, 09:53-09:58
	2km E	Heard	8	Burst		HMG	20-Oct, 09:53-09:58
	N/K SSE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 10:11
	3-4km ESE	Heard	2	Explosion	Undetermined	N/K	20-Oct, 10:19
	N/K SSE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 12:53
	3-4km E	Heard	1	Explosion	Undetermined	N/K	20-Oct, 13:00
	N/K SE	Heard	1	Explosion	Outgoing	N/K	20-Oct, 13:07
	N/K SE	Heard	1	Explosion	Impact	N/K	20-Oct, 13:07
N/K SSE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 13:15	
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	2km N	Heard	1	Explosion	Outgoing	Mortar	20-Oct, 11:17
	2km N	Heard	11	Explosion	Undetermined	N/K	20-Oct, 11:36
Lebedynske (government-controlled, 99km S of Donetsk)	1km NE	Heard	2	Shot		AGL	20-Oct, 11:52
About 1km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-6km NE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	20-Oct, 09:18-09:20
	6-8km NNW	Heard	2	Explosion	Undetermined	N/K	20-Oct, 09:18-09:20
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 20:25
	3-4km SE	Heard	2	Burst		HMG	19-Oct, 20:29
	3-4km SE	Heard	5	Burst		HMG	19-Oct, 21:45
	3-4km SE	Heard	10	Burst		HMG	19-Oct, 21:50
	3-4km SE	Heard	5	Burst		HMG	19-Oct, 22:36
	3-4km SE	Heard	3	Burst		HMG	19-Oct, 22:52
	3-4km SE	Heard	3	Burst		HMG	19-Oct, 22:57
	3-4km SE	Heard	3	Burst		HMG	19-Oct, 23:38
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	19-Oct, 23:58-23:59
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	20-Oct, 10:30
	2-3km SW	Heard	2	Burst		HMG	20-Oct, 10:30
2-3km SE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 13:21	
2km S of Novozvanivka (government-controlled, 70km W of Luhansk)	3-5km E	Heard	1	Explosion	Undetermined	N/K	20-Oct, 10:59
S edge of the disengagement area near Zolote-	2-4km NNE	Heard	11	Shot	Assessed as outside the disengagement area	Small arms	20-Oct, 11:57-12:10



(government-controlled, 60km W of Luhansk)	2-4km NNE	Heard	13	Burst	Assessed as outside the disengagement area	HMG	20-Oct, 11:57-12:10
	2-4km NNE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	20-Oct, 11:57-12:10
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	5-7km SW	Heard	112	Explosion	Undetermined	N/K	20-Oct, 14:20-15:04
	5-7km SW	Heard	22	Burst		N/K	20-Oct, 14:20-15:05
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km SE	Heard	1	Explosion	Undetermined	N/K	20-Oct, 12:38