

**Table of ceasefire violations as of 27 November 2019<sup>10</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	10	Projectile	SW to NE	N/K	26-Nov, 20:49
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:50
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 20:51
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	26-Nov, 20:51
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SSE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 18:26
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:29
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:30
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 18:30
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:31
	3-6km SE	Recorded	1	Projectile	NE to SW	N/K	26-Nov, 21:32
	3-6km SSE	Recorded	4	Projectile	SW to NE	N/K	26-Nov, 21:32
	3-6km SE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 23:04
	3-6km SE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 23:06
	2-6km SE	Recorded	7	Projectile	NE to SW	N/K	27-Nov, 01:07
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.7-2km SSW	Recorded	15	Projectile	E to W	N/K	26-Nov, 20:48
	0.7-2km SSW	Recorded	3	Projectile	E to W	N/K	26-Nov, 20:49
	0.7-2km SSW	Recorded	6	Projectile	E to W	N/K	26-Nov, 20:50
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	26-Nov, 20:50
	0.7-2km SSW	Recorded	4	Projectile	E to W	N/K	26-Nov, 20:51
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 17:34
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 17:58
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 18:01
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	15	Projectile	NNE to SSW	N/K	26-Nov, 18:01
	3-5km SE	Recorded	11	Projectile	NNE to SSW	N/K	26-Nov, 18:02
	3-5km SE	Recorded	20	Projectile	NNE to SSW	N/K	26-Nov, 18:06
	3-5km SE	Recorded	5	Projectile	NNE to SSW	N/K	26-Nov, 18:19
	3-5km SE	Recorded	1	Muzzle flash		N/K	26-Nov, 18:51
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 18:51
	3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	26-Nov, 18:52
	3-5km ESE	Recorded	1	Muzzle flash		N/K	26-Nov, 19:08
	3-5km ESE	Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	26-Nov, 19:08
	3-5km ESE	Recorded	1	Explosion	Airburst (subsequent to previous event, also recorded by the SMM camera in Shyrokyne)	N/K	26-Nov, 19:08
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 19:12
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 19:35
	3-5km SE	Recorded	2	Projectile	SSW to NNE	N/K	26-Nov, 19:42
	3-5km ESE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 20:27
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	26-Nov, 20:45
3-5km SE	Recorded	6	Projectile	NNE to SSW	N/K	26-Nov, 20:46	
3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	26-Nov, 20:47	

<sup>10</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.

	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	26-Nov, 21:08
	3-5km SE	Recorded	3	Muzzle flash		N/K	26-Nov, 23:29
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	27-Nov, 23:29
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 16:36
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 16:41
	1-3km E	Recorded	2	Projectile	NNW to SSE	N/K	26-Nov, 16:45
	1-3km E	Recorded	3	Projectile	NNW to SSE	N/K	26-Nov, 16:47
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 17:22
	1-3km E	Recorded	1	Projectile	S to N	N/K	26-Nov, 19:19
	1-3km ESE	Recorded	2	Projectile	S to N	N/K	26-Nov, 19:19
	1-3km ESE	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:20
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:37
	1-3km N	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:38
	2-4km ESE	Recorded	9	Projectile	N to S	N/K	26-Nov, 19:42
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	26-Nov, 19:43
	2-4km ESE	Recorded	3	Projectile	NNW to SSE	N/K	27-Nov, 02:40
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	27-Nov, 04:56
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Projectile	W to E	N/K
3-5km N		Recorded	3	Projectile	W to E	N/K	26-Nov, 16:45
3-5km N		Recorded	1	Muzzle flash		N/K	26-Nov, 16:56
3-5km N		Recorded	5	Projectile	In vertical flight	N/K	26-Nov, 16:57
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 17:01
3-5km N		Recorded	2	Projectile	In vertical flight	N/K	26-Nov, 17:09
3-5km N		Recorded	1	Projectile	E to W	N/K	26-Nov, 17:09
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 17:14
3-5km N		Recorded	3	Projectile	W to E	N/K	26-Nov, 17:19
3-5km N		Recorded	11	Projectile	E to W	N/K	26-Nov, 17:20
3-5km N		Recorded	3	Projectile	E to W	N/K	26-Nov, 17:25
3-5km N		Recorded	2	Projectile	W to E	N/K	26-Nov, 18:07
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 18:14
3-5km N		Recorded	10	Projectile	W to E	N/K	26-Nov, 18:19
3-5km N		Recorded	5	Projectile	W to E	N/K	26-Nov, 18:22
3-5km N		Recorded	4	Projectile	W to E	N/K	26-Nov, 18:23
3-5km NNE		Recorded	12	Projectile	E to W	N/K	26-Nov, 18:24
3-5km NNE		Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 18:35
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 18:35
3-5km NNE		Recorded	2	Projectile	W to E	N/K	26-Nov, 18:37
3-5km N		Recorded	9	Projectile	E to W	N/K	26-Nov, 18:40
3-5km N		Recorded	3	Projectile	W to E	N/K	26-Nov, 18:43
3-5km N		Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	26-Nov, 18:43
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 18:45
3-5km N		Recorded	1	Projectile	E to W	N/K	26-Nov, 18:46
3-5km N		Recorded	3	Projectile	W to E	N/K	26-Nov, 18:55
3-5km N		Recorded	8	Projectile	E to W	N/K	26-Nov, 18:56
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 18:59
3-5km N		Recorded	17	Projectile	E to W	N/K	26-Nov, 19:03
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 19:07
3-5km N		Recorded	1	Projectile	E to W	N/K	26-Nov, 19:08
5-7km N		Recorded	1	Explosion	Undetermined	N/K	26-Nov, 19:08
3-5km N		Recorded	2	Projectile	W to E	N/K	26-Nov, 19:09
3-5km N		Recorded	9	Projectile	W to E	N/K	26-Nov, 19:10
3-5km N		Recorded	2	Projectile	W to E	N/K	26-Nov, 19:11
3-5km N		Recorded	1	Projectile	W to E	N/K	26-Nov, 19:16
3-5km N		Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 19:30
3-5km N		Recorded	4	Projectile	W to E	N/K	26-Nov, 19:31
3-5km NNE		Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 19:32
3-5km N		Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 19:32

3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:32
3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 19:34
3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:35
3-5km NNE	Recorded	3	Projectile	E to W	N/K	26-Nov, 19:35
3-5km NNE	Recorded	5	Projectile	ESE to WNW	N/K	26-Nov, 19:36
3-5km NNE	Recorded	9	Projectile	In vertical flight	N/K	26-Nov, 19:37
3-5km NNE	Recorded	7	Projectile	E to W	N/K	26-Nov, 19:41
3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 19:42
3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 19:49
4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 20:00
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:00
4-7km NNE	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:00
4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 20:01
4-7km N	Recorded	3	Projectile	E to W	N/K	26-Nov, 20:02
4-7km NNE	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:02
4-7km N	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:02
4-7km N	Recorded	1	Projectile	SSE to NNW	N/K	26-Nov, 20:02
4-7km N	Recorded	6	Projectile	SW to NE	N/K	26-Nov, 20:06
4-7km N	Recorded	1	Muzzle flash		N/K	26-Nov, 20:08
4-7km N	Recorded	11	Projectile	W to E	N/K	26-Nov, 20:08
4-7km N	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:08
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:09
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:12
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:12
4-7km N	Recorded	2	Explosion		N/K	26-Nov, 20:32
4-7km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 20:32
4-7km N	Recorded	6	Projectile	E to W	N/K	26-Nov, 20:40
4-7km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 20:46
4-7km N	Recorded	2	Muzzle flash		N/K	26-Nov, 20:48
4-7km N	Recorded	12	Projectile	W to E	N/K	26-Nov, 20:48
4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 20:50
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Explosion	Undetermined	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:57
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:57
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:58
4-7km N	Recorded	4	Explosion	Undetermined	N/K	26-Nov, 20:59
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:00
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:01
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:03
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:06
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:08
4-7km NNE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:10
4-7km NNE	Recorded	5	Explosion	Undetermined	N/K	26-Nov, 21:11
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 21:41
4-7km N	Recorded	2	Projectile	E to W	N/K	26-Nov, 21:45
4-7km NNW	Recorded	4	Projectile	W to E	N/K	26-Nov, 21:49
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 22:04
4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 22:13
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 22:30
4-7km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 22:35
4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 22:41
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 22:42
4-7km N	Recorded	10	Projectile	E to W	N/K	26-Nov, 22:44
4-7km N	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 22:47
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 22:50
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 22:56

4-7km N	Recorded	2	Projectile	E to W	N/K	26-Nov, 22:59
3-5km NNE	Recorded	20	Projectile	E to W	N/K	26-Nov, 23:12
3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 23:54
3-5km N	Recorded	3	Projectile	SW to NE	N/K	26-Nov, 23:55
4-7km NNE	Recorded	3	Projectile	SE to NW	N/K	27-Nov, 00:00
4-7km N	Recorded	4	Projectile	SE to NW	N/K	27-Nov, 00:02
4-7km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 00:03
4-7km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Nov, 00:03
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:11
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:13
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:18
4-7km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 00:18
4-7km N	Recorded	14	Projectile	E to W	N/K	27-Nov, 00:19
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:19
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 00:20
4-7km N	Recorded	2	Projectile	WSW to ENE	N/K	27-Nov, 00:22
4-7km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 00:23
4-7km NNE	Recorded	2	Projectile	ESE to WNW	N/K	27-Nov, 00:27
4-7km NNE	Recorded	4	Projectile	ESE to WNW	N/K	27-Nov, 00:29
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:34
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 00:38
4-7km N	Recorded	7	Projectile	W to E	N/K	27-Nov, 00:40
4-7km N	Recorded	3	Projectile	SW to NE	N/K	27-Nov, 00:51
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 00:52
4-7km N	Recorded	4	Projectile	E to W	N/K	27-Nov, 00:55
4-7km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 00:57
4-7km N	Recorded	2	Projectile	E to W	N/K	27-Nov, 01:01
4-7km N	Recorded	23	Projectile	E to W	N/K	27-Nov, 01:02
4-7km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 01:02
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 01:03
4-7km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 01:07
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 01:13
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 01:22
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 01:30
4-7km N	Recorded	4	Projectile	SW to NE	N/K	27-Nov, 01:47
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 01:58
4-7km N	Recorded	14	Projectile	SW to NE	N/K	27-Nov, 01:59
5-8km NNW	Recorded	2	Projectile	W to E	N/K	27-Nov, 02:00
5-8km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 02:05
5-8km NNW	Recorded	3	Projectile	W to E	N/K	27-Nov, 02:11
5-8km NNW	Recorded	4	Projectile	E to W	N/K	27-Nov, 02:19
5-8km NNW	Recorded	8	Projectile	W to E	N/K	27-Nov, 02:28
3-5km NNW	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 02:28
5-8km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 02:32
5-8km N	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 02:45
3-5km N	Recorded	4	Projectile	SW to NE	N/K	27-Nov, 02:59
3-5km N	Recorded	5	Projectile	W to E	N/K	27-Nov, 03:00
3-5km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 03:01
3-5km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 03:01
3-5km N	Recorded	2	Projectile	E to W	N/K	27-Nov, 03:06
3-5km N	Recorded	7	Projectile	E to W	N/K	27-Nov, 03:22
3-5km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 03:29
3-5km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 03:31
3-5km N	Recorded	9	Projectile	W to E	N/K	27-Nov, 03:45
3-5km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 03:46
3-5km N	Recorded	1	Muzzle flash		N/K	27-Nov, 03:46
2-5km N	Recorded	3	Projectile	E to W	N/K	27-Nov, 04:01

	2-5km N	Recorded	10	Projectile	E to W	N/K	27-Nov, 04:26
	2-5km N	Recorded	10	Projectile	E to W	N/K	27-Nov, 04:39
	2-5km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 04:48
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	27-Nov, 17:15
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	27-Nov, 17:46
	3-5km NNE	Recorded	1	Projectile	E to W	N/K	27-Nov, 18:04
	3-5km NNE	Recorded	1	Projectile	In vertical flight	N/K	27-Nov, 18:06
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:10
	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:13
	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:26
	1-2km NW	Heard	1	Shot		Small arms	27-Nov, 10:09
	2-3km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:15
About 1km ENE of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K N	Heard	2	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	27-Nov, 10:39
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km E	Heard	1	Burst		HMG	26-Nov, 18:31-18:32
	2-3km E	Heard	5	Burst		Small arms	26-Nov, 18:34-18:36
	2-3km E	Heard	3	Burst		HMG	26-Nov, 18:51-18:52
	2-3km E	Heard	5	Burst		Small arms	26-Nov, 19:03-19:04
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 19:09-19:10
	4-6km NE	Heard	2	Explosion	Undetermined	N/K	26-Nov, 19:34-19:35
	2-3km E	Heard	7	Burst		Small arms	26-Nov, 20:48-20:50
	4-5km E	Heard	1	Explosion	Undetermined	N/K	26-Nov, 20:49-20:50
	3-4km E	Heard	5	Explosion	Undetermined	N/K	26-Nov, 20:54-20:55
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 20:55-20:56
	4-5km E	Heard	1	Explosion	Undetermined	N/K	26-Nov, 21:06-21:07
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 21:10-21:11
	3-4km E	Heard	10	Burst		HMG	26-Nov, 21:19-21:26
	2-3km E	Heard	7	Burst		Small arms	26-Nov, 21:28-21:30
	2-4km E	Heard	11	Burst		HMG	26-Nov, 21:47-21:48
	2-4km E	Heard	2	Burst		HMG	26-Nov, 22:12-22:13
	4-5km E	Heard	3	Explosion	Undetermined	Small arms	26-Nov, 22:21-22:22
	2-3km E	Heard	3	Burst		Small arms	26-Nov, 22:22-22:23
	3-4km E	Heard	4	Burst		HMG	26-Nov, 23:13-23:14
	2-3km E	Heard	9	Burst		Small arms	26-Nov, 23:40-23:41
2-3km E	Heard	4	Burst		Small arms	26-Nov, 23:45-23:46	

	2-3km E	Heard	5	Burst		Small arms	26-Nov, 23:50-23:52
	3-5km E	Heard	4	Burst		Small arms	27-Nov, 11:37
	2-3km E	Heard	3	Burst		Small arms	27-Nov, 17:03
	2-3km E	Heard	2	Burst		Small arms	27-Nov, 17:07
	2-3km E	Heard	2	Burst		Small arms	27-Nov, 17:20
W edge of Zalizne (government-controlled, 42km NE of Donetsk)	3-4km S	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:01
	3-4km S	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:06
	4-5km S	Heard	2	Explosion	Undetermined	N/K	27-Nov, 10:10
	5-6km SSW	Heard	5	Explosion	Undetermined	N/K	27-Nov, 11:55-11:58
	2-3km SSE	Heard	6	Burst		HMG	27-Nov, 10:38-10:43
	2-4km E	Heard	11	Explosion	Undetermined	N/K	27-Nov, 14:10-14:13
	2-4km E	Heard		Burst	Uncountable	HMG	27-Nov, 14:10-14:13
	2-4km E	Heard	12	Burst		HMG	27-Nov, 14:16
	2-3km ESE	Heard	19	Burst		HMG	27-Nov, 13:46-13:47
	3-4km SE	Heard	4	Burst		HMG	27-Nov, 13:08-13:09
	3-4km SE	Heard	5	Burst		HMG	27-Nov, 13:27-13:28
Kodema (government controlled, 57 km NE of Donetsk)	4-5km S	Heard	3	Explosion	Undetermined	N/K	27-Nov, 10:37
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	3-4km E	Heard	2	Explosion	Undetermined	N/K	27-Nov, 10:45-10:46
	3-4km E	Heard	20	Burst		HMG	27-Nov, 10:45-10:46
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	12	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	26-Nov, 19:27
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-6km SE	Heard	11	Burst		Cannon (30mm)	26-Nov, 18:34-18:36
	5-6km SE	Heard	7	Burst		HMG	26-Nov, 18:39
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 20:06
	5-6km SE	Heard	18	Burst	Outgoing	Small arms	26-Nov, 20:08-20:10
	10-12km SSE	Heard	3	Explosion	Undetermined	N/K	26-Nov, 21:44-21:49
	4-5km ESE	Heard	11	Burst	Outgoing	Small arms	26-Nov, 22:22-22:26
	5-6km SE	Heard	5	Burst	Outgoing	HMG	26-Nov, 22:35
	8-10km E	Heard	2	Explosion	Undetermined	N/K	26-Nov, 22:58
	8-10km E	Heard	1	Explosion	Undetermined	N/K	27-Nov, 00:56
Holubivka (formerly Kirovsk, non-government-controlled, 51 W of Luhansk)	0.7-1km E	Heard	9	Shot		Small arms	27-Nov, 08:57
S edge of the disengagement area near Zolote	8-10km SW	Heard	6	Explosion	Undetermined	N/K	27-Nov, 10:48-10:55

(government-controlled, 60km W of Luhansk)							
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