

Table of ceasefire violations as of 23 October 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 1.5km NE of Hnutove (government- controlled, 90km S of Donetsk)	2-4km ENE	Recorded	18	Projectile	N to S	N/K	22-Oct, 19:33
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	22-Oct, 20:49
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Oct, 22:06
	3-5km ENE	Recorded	3	Burst	S to N	N/K	22-Oct, 22:08
	3-5km ENE	Recorded	4	Projectile	N to S	N/K	22-Oct, 22:16
	3-5km ENE	Recorded	5	Projectile	N to S	N/K	22-Oct, 22:17
	3-5km ENE	Recorded	1	Projectile	S to N	N/K	22-Oct, 22:17
	3-5km ENE	Recorded	5	Projectile	SSW to NNE	N/K	22-Oct, 22:36
	3-5km ENE	Recorded	3	Projectile	NW to SE	N/K	22-Oct, 22:39
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 22:39
	3-5km ENE	Recorded	1	Projectile	SSW to NNE	N/K	22-Oct, 22:41
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 22:42
	3-5km ENE	Recorded	1	Projectile	In vertical flight	N/K	22-Oct, 22:42
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:30
SMM camera E of Lomakyne (government- controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Projectile	SE to NW	N/K	22-Oct, 18:50
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 22:55
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	4	Projectile	NNW to SSE	N/K	22-Oct, 22:30
	1-2km ENE	Recorded	1	Projectile	In vertical flight	N/K	22-Oct, 22:43
	2-4km E	Recorded	2	Projectile	In vertical flight	N/K	22-Oct, 22:51
	2-4km E	Recorded	6	Projectile	N to S	N/K	22-Oct, 23:03
SMM camera at entry-exit checkpoint in Pyshevyk (government- controlled, 84km S of Donetsk)	1-2km S	Recorded	1	Projectile	NW to SE	N/K	22-Oct, 18:57
	1-2km S	Recorded	3	Projectile	W to E	N/K	22-Oct, 19:02
	2-3km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 19:06
	2-3km S	Recorded	1	Projectile	NW to SE	N/K	22-Oct, 19:24
	1-2km SSE	Recorded	16	Projectile	NE to SW	N/K	22-Oct, 19:33
	2-4km S	Recorded	4	Projectile	W to E	N/K	22-Oct, 20:11
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 20:12
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:12
	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:18
	2-4km SSE	Recorded	12	Projectile	E to W	N/K	22-Oct, 20:18
	2-4km SSE	Recorded	20	Projectile	E to W	N/K	22-Oct, 20:21
	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:21
	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:22
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:27
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:37
	2-4km SSE	Recorded	20	Projectile	W to E	N/K	22-Oct, 21:13
	2-4km S	Recorded	7	Projectile	E to W	N/K	22-Oct, 21:13
	2-4km SSE	Recorded	6	Projectile	W to E	N/K	22-Oct, 21:20
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	22-Oct, 21:21
	2-4km S	Recorded	1	Muzzle flash		N/K	22-Oct, 21:21
2-4km SSE	Recorded	12	Projectile	WSW to ENE	N/K	22-Oct, 21:58	
2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	22-Oct, 21:59	

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	5	Projectile	WSW to ENE	N/K	22-Oct, 22:04
	2-4km S	Recorded	6	Projectile	W to E	N/K	22-Oct, 22:05
	2-4km S	Recorded	1	Projectile	E to W	N/K	22-Oct, 22:05
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	22-Oct, 22:06
	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Oct, 22:22
	2-4km S	Recorded	6	Projectile	W to E	N/K	22-Oct, 22:23
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:24
	2-4km S	Recorded	7	Projectile	W to E	N/K	22-Oct, 22:25
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:26
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:27
	2-4km S	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:49
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	22-Oct, 23:01
	2-4km S	Recorded	4	Projectile	W to E	N/K	22-Oct, 23:12
	2-4km S	Recorded	6	Projectile	W to E	N/K	22-Oct, 23:14
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	22-Oct, 23:14
	3-4km S	Recorded	2	Burst	W to E	N/K	22-Oct, 23:37
	3-4km S	Recorded	5	Projectile	W to E	N/K	22-Oct, 23:38
	2-3km S	Recorded	1	Projectile	NW to SE	N/K	23-Oct, 00:05
	2-3km S	Recorded	1	Explosion	Airburst	N/K	23-Oct, 00:05
	3-4km S	Recorded	2	Projectile	W to E	N/K	23-Oct, 00:06
	3-4km S	Recorded	2	Projectile	W to E	N/K	23-Oct, 00:11
	3-4km S	Recorded	3	Projectile	W to E	N/K	23-Oct, 00:12
	3-4km S	Recorded	13	Projectile	W to E	N/K	23-Oct, 00:13
	3-4km S	Recorded	16	Projectile	W to E	N/K	23-Oct, 00:14
	5-7km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:17
	7-9km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:18
	3-4km S	Recorded	2	Projectile	NE to SW	N/K	23-Oct, 00:19
	3-4km S	Recorded	1	Projectile	In vertical flight	N/K	23-Oct, 00:19
	3-4km S	Recorded	16	Projectile	NE to SW	N/K	23-Oct, 00:23
	7-9km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:25
	3-4km S	Recorded	10	Projectile	WNW to ESE	N/K	23-Oct, 00:29
	7-9km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:29
	3-4km S	Recorded	1	Muzzle flash		N/K	23-Oct, 00:31
	3-4km S	Recorded	1	Projectile	NE to SW	N/K	23-Oct, 00:31
	7-9km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:32
	3-5km S	Recorded	3	Projectile	WNW to ESE	N/K	23-Oct, 00:32
	3-4km S	Recorded	2	Projectile	W to E	N/K	23-Oct, 00:33
	3-5km S	Recorded	10	Projectile	WNW to ESE	N/K	23-Oct, 00:34
	3-5km S	Recorded	11	Projectile	W to E	N/K	23-Oct, 00:36
	7-9km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:36
	5-7km S	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:38
	2-4km S	Recorded	1	Projectile	E to W	N/K	23-Oct, 00:44
	2-4km S	Recorded	1	Explosion	Airburst	N/K	23-Oct, 01:15
	3-5km SSE	Recorded	4	Projectile	In vertical flight	N/K	23-Oct, 01:27
	3-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	23-Oct, 01:28
	3-5km S	Recorded	4	Projectile	E to W	N/K	23-Oct, 02:04
	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Oct, 02:44
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 03:01
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	23-Oct, 03:01
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 03:02
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	23-Oct, 03:02
	3-5km SSE	Recorded	2	Projectile	W to E	N/K	23-Oct, 03:05
SMM camera 1km SW of Shyrokyne (government- controlled, 100km S of Donetsk)	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	22-Oct, 18:33
	2-4km N	Recorded	3	Projectile	WNW to ESE	N/K	22-Oct, 18:35
	2-4km N	Recorded	2	Projectile	WNW to ESE	N/K	22-Oct, 18:36
	2-4km N	Recorded	2	Projectile	WNW to ESE	N/K	22-Oct, 18:41
	2-4km N	Recorded	5	Projectile	WNW to ESE	N/K	22-Oct, 18:58
	4-6km N	Recorded	4	Projectile	WSW to ENE	N/K	22-Oct, 19:16
	4-6km N	Recorded	2	Projectile	WSW to ENE	N/K	22-Oct, 19:30
	4-6km N	Recorded	1	Projectile	SSW to NNE	N/K	22-Oct, 19:30

4-6km N	Recorded	2	Projectile	WNW to ESE	N/K	22-Oct, 19:44
4-6km N	Recorded	6	Projectile	WNW to ESE	N/K	22-Oct, 19:45
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:13
2-4km N	Recorded	1	Projectile	In vertical flight	N/K	22-Oct, 20:13
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:15
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:16
2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	22-Oct, 20:16
2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 20:18
2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 20:19
2-4km N	Recorded	9	Projectile	W to E	N/K	22-Oct, 20:23
2-4km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:24
2-4km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:27
2-4km N	Recorded	5	Projectile	W to E	N/K	22-Oct, 20:30
2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 20:35
2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 20:45
2-4km N	Recorded	4	Projectile	W to E	N/K	22-Oct, 20:50
2-4km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 20:51
3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 20:51
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 20:59
2-4km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:00
2-4km NNE	Recorded	5	Projectile	E to W	N/K	22-Oct, 21:13
2-4km NNE	Recorded	3	Projectile	W to E	N/K	22-Oct, 21:13
2-4km NNE	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:19
2-4km NNE	Recorded	1	Projectile	SSE to NNW	N/K	22-Oct, 21:19
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 21:22
2-4km N	Recorded	3	Projectile	W to E	N/K	22-Oct, 21:23
2-4km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:33
2-4km NNE	Recorded	4	Projectile	WSW to ENE	N/K	22-Oct, 21:34
2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	22-Oct, 21:34
2-4km NNE	Recorded	7	Projectile	E to W	N/K	22-Oct, 21:35
2-4km NNE	Recorded	5	Projectile	W to E	N/K	22-Oct, 21:35
2-4km NNE	Recorded	1	Muzzle flash		N/K	22-Oct, 21:35
2-4km N	Recorded	6	Projectile	W to E	N/K	22-Oct, 21:39
2-4km NNE	Recorded	4	Projectile	W to E	N/K	22-Oct, 21:39
2-4km NNE	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:56
2-4km NNE	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:57
2-4km NNE	Recorded	6	Projectile	W to E	N/K	22-Oct, 21:58
2-4km NNE	Recorded	2	Projectile	W to E	N/K	22-Oct, 21:59
2-4km NNE	Recorded	2	Projectile	E to W	N/K	22-Oct, 21:59
2-4km NNE	Recorded	5	Projectile	W to E	N/K	22-Oct, 22:00
2-4km NNE	Recorded	8	Projectile	W to E	N/K	22-Oct, 22:01
2-4km NNE	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 22:01
2-4km NNE	Recorded	2	Projectile	W to E	N/K	22-Oct, 22:02
2-4km NNE	Recorded	8	Projectile	W to E	N/K	22-Oct, 22:03
2-4km NNE	Recorded	4	Projectile	W to E	N/K	22-Oct, 22:04
2-4km NNE	Recorded	1	Muzzle flash		N/K	22-Oct, 22:04
2-4km NNE	Recorded	10	Projectile	W to E	N/K	22-Oct, 22:05
2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	22-Oct, 22:05
2-4km NNE	Recorded	5	Projectile	W to E	N/K	22-Oct, 22:06
2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	22-Oct, 22:06
2-4km NNE	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:07
2-4km NNE	Recorded	1	Projectile	E to W	N/K	22-Oct, 22:08
2-4km NNE	Recorded	1	Projectile	SE to NW	N/K	22-Oct, 22:18
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:22
2-4km N	Recorded	3	Projectile	W to E	N/K	22-Oct, 22:23
2-4km N	Recorded	3	Projectile	W to E	N/K	22-Oct, 22:25
2-4km N	Recorded	12	Projectile	W to E	N/K	22-Oct, 22:32
2-4km N	Recorded	5	Projectile	W to E	N/K	22-Oct, 22:33
2-4km N	Recorded	1	Muzzle flash		N/K	22-Oct, 22:34
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:34

3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	22-Oct, 22:36
3-5km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:45
2-4km N	Recorded	1	Muzzle flash		N/K	22-Oct, 22:49
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 22:49
2-4km N	Recorded	1	Explosion	Airburst	N/K	22-Oct, 22:49
3-5km NNW	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 23:00
2-4km N	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 23:00
3-5km N	Recorded	2	Projectile	W to E	N/K	22-Oct, 23:01
2-4km N	Recorded	6	Projectile	W to E	N/K	22-Oct, 23:06
2-4km N	Recorded	3	Projectile	W to E	N/K	22-Oct, 23:14
2-4km N	Recorded	1	Projectile	W to E	N/K	22-Oct, 23:17
3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 23:17
3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 23:18
2-4km N	Recorded	4	Projectile	W to E	N/K	22-Oct, 23:18
2-4km N	Recorded	3	Projectile	W to E	N/K	22-Oct, 23:19
3-5km N	Recorded	2	Explosion	Undetermined	N/K	22-Oct, 23:23
2-4km N	Recorded	9	Projectile	W to E	N/K	22-Oct, 23:33
1-3km NNE	Recorded	5	Projectile	W to E	N/K	22-Oct, 23:37
3-5km NE	Recorded	1	Explosion	Undetermined	N/K	22-Oct, 23:55
2-4km N	Recorded	2	Projectile	W to E	N/K	23-Oct, 00:00
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:03
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:05
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:07
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:09
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:11
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:13
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:15
3-5km N	Recorded	3	Explosion	Undetermined	N/K	23-Oct, 00:17
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:18
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:19
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 00:20
2-4km N	Recorded	1	Projectile	W to E	N/K	23-Oct, 00:20
3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Oct, 00:21
3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Oct, 00:22
3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Oct, 00:27
2-4km N	Recorded	3	Projectile	WSW to ENE	N/K	23-Oct, 00:38
2-4km N	Recorded	5	Projectile	WSW to ENE	N/K	23-Oct, 00:52
2-4km N	Recorded	1	Projectile	W to E	N/K	23-Oct, 01:09
2-4km N	Recorded	1	Projectile	SW to NE	N/K	23-Oct, 01:09
2-4km N	Recorded	1	Projectile	SW to NE	N/K	23-Oct, 01:10
2-4km N	Recorded	4	Projectile	W to E	N/K	23-Oct, 01:26
2-4km N	Recorded	4	Projectile	W to E	N/K	23-Oct, 01:40
2-4km N	Recorded	1	Projectile	W to E	N/K	23-Oct, 01:51
2-4km NNE	Recorded	1	Projectile	S to N	N/K	23-Oct, 02:09
2-4km NNE	Recorded	1	Projectile	WSW to ENE	N/K	23-Oct, 02:09
2-4km NNE	Recorded	1	Projectile	S to N	N/K	23-Oct, 02:09
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 02:34
2-4km NNE	Recorded	7	Projectile	E to W	N/K	23-Oct, 02:51
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 02:57
2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	23-Oct, 02:58
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 03:56
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 03:58
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 04:01
3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 04:19
2-4km N	Recorded	10	Projectile	W to E	N/K	23-Oct, 05:24
2-3km N	Recorded	9	Projectile	SW to NE	N/K	23-Oct, 05:51
2-7km NE	Recorded	5	Projectile	SW to NE	N/K	23-Oct, 17:56
2-7km NNE	Recorded	10	Projectile	SW to NE	N/K	23-Oct, 17:57
2-7km NNE	Recorded	12	Projectile	WNW to ESE	N/K	23-Oct, 17:58
2-7km NNE	Recorded	12	Projectile	WNW to ESE	N/K	23-Oct, 18:00

	2-7km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 18:00
	2-7km NNE	Recorded	9	Projectile	WNW to ESE	N/K	23-Oct, 18:01
	2-7km NNE	Recorded	15	Projectile	WNW to ESE	N/K	23-Oct, 18:02
	2-7km NNE	Recorded	9	Projectile	WNW to ESE	N/K	23-Oct, 18:03
	2-7km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 18:16
	2-7km N	Recorded	1	Explosion	Undetermined	N/K	23-Oct, 18:18
	2-7km N	Recorded	12	Projectile	WNW to ESE	N/K	23-Oct, 18:18
	2-7km N	Recorded	7	Projectile	WNW to ESE	N/K	23-Oct, 18:30
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km S	Heard	3	Burst		Small arms	23-Oct, 09:02
	1-2km S	Heard	10	Burst		Small arms	23-Oct, 09:31
	2-4km S	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:12
	2-3km ESE	Heard		Shot	Uncountable	Small arms	23-Oct, 10:33
	2-3km SE	Heard		Shot	Uncountable	Small arms	23-Oct, 10:45-11:00
	1km SE	Heard	6	Shot		Small arms	23-Oct, 12:05
	3-4km S	Heard	3	Explosion	Undetermined	N/K	23-Oct, 12:15
	1-2km SE	Heard	3	Shot		Small arms	23-Oct, 12:55
Debaltseve (non-government-controlled, 58km NE of Donetsk)	2-3km WNW	Heard	2	Burst		HMG	23-Oct, 11:54
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	4-6km NE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:12
	2-4km NW	Heard	2	Explosion	Undetermined	N/K	23-Oct, 10:30
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:36
Marinka (government-controlled, 23km SW of Donetsk)	8km SE	Heard	9	Explosion	Undetermined	N/K	23-Oct, 13:45-13:50
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	1-2km N	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:07
1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km ESE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	23-Oct, 09:40
	2-3km SE	Heard	8	Burst	Assessed as outside the disengagement area	HMG	23-Oct, 11:41
	2-3km SE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Oct, 11:41
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard		Burst	Uncountable	Small arms	23-Oct, 09:18-09:35
	1-2km SW	Heard		Burst	Uncountable	HMG	23-Oct, 09:18-09:35
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	23-Oct, 09:47
	1-2km SW	Heard	8	Burst		Small arms	23-Oct, 10:02-10:40
	2km S	Heard	27	Shot		Small arms	23-Oct, 10:02-10:40
	2km S	Heard		Shot	Uncountable	Small arms	23-Oct, 10:02-11:15
	2km SW	Heard	3	Explosion	Undetermined	N/K	23-Oct, 11:10-

							11:15
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	23-Oct, 11:22-11:34
	2-3km SW	Heard	3	Burst		Small arms	23-Oct, 11:37
	2-3km SW	Heard	1	Burst		AGL	23-Oct, 11:37
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	23-Oct, 11:57
	2-3km SW	Heard	12	Burst		Small arms	23-Oct, 12:00-12:06
	2-3km SW	Heard	6	Explosion	Undetermined	N/K	23-Oct, 12:10-12:30
	2-3km SW	Heard	9	Explosion	Undetermined	N/K	23-Oct, 13:43-14:32
	2-3km SW	Heard	2	Shot	Outgoing	Mortar (type N/K)	23-Oct, 14:14
1.2km S of Vesele (non-government-controlled, 9km NW of Donetsk)	4-6km SW	Heard	2	Explosion	Undetermined	N/K	23-Oct, 12:12-12:14
About 2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	5-7km NNE	Heard	7	Explosion	Undetermined	N/K	23-Oct, 09:45-09:49
	5-7km NNE	Heard	2	Explosion	Undetermined	N/K	23-Oct, 09:50
	3-5km SE	Heard	2	Shot		Small arms	23-Oct, 10:00
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:00
	5-6km E	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:05
	N/K SSE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:21
	N/K SSE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 11:11
About 1km W of Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	2-3km S	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:21
1.2km SW of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km NE	Heard	2	Explosion	Undetermined	N/K	23-Oct, 10:20
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km NE	Heard	1	Shot		Small arms	23-Oct, 12:10
	2-3km ESE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 12:36-12:41
	2-3km ESE	Heard	27	Explosion	Undetermined	N/K	23-Oct, 12:36-12:41
	2-3km ESE	Heard	2	Burst		HMG	23-Oct, 12:36-12:41
	2-5km N	Heard	22	Explosion	Undetermined	N/K	23-Oct, 12:46-12:52
	2-5km N	Heard	2	Burst		HMG	23-Oct, 12:46-12:52
	2-5km N	Heard		Shot	Uncountable	Small arms	23-Oct, 12:46-12:52
	2-3km ESE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 12:51
	2-3km ESE	Heard	1	Burst		Small arms	23-Oct, 12:51
	2-3km ESE	Heard	4	Burst		HMG	23-Oct, 12:57-13:03
	2-3km ESE	Heard	3	Explosion	Undetermined	N/K	23-Oct, 12:57-13:03
	2-3km ESE	Heard	5	Shot		Small arms	23-Oct, 12:57-13:03

	1-3km NNE	Heard	5	Shot		Small arms	23-Oct, 12:59-13:03
	1-3km NNE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 12:59-13:03
	2-3km NNE	Heard	4	Burst		HMG	23-Oct, 13:13-13:23
	2-3km NNE	Heard	2	Burst		Small arms	23-Oct, 13:13-13:23
	2-3km E	Heard	10	Shot		Small arms	23-Oct, 12:40-13:23
	2-3km E	Heard	12	Burst		Small arms	23-Oct, 12:40-13:23
	2-3km E	Heard	6	Explosion	Undetermined	N/K	23-Oct, 12:40-13:23
	2-3km ESE	Heard	2	Shot		Small arms	23-Oct, 12:40-13:20
	2-3km ESE	Heard	1	Burst		Small arms	23-Oct, 12:40-13:20
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 12:40-13:20
	2-3km E	Heard	8	Shot		Small arms	23-Oct, 13:23-13:42
	2-3km E	Heard	6	Burst		Small arms	23-Oct, 13:23-13:42
	2-3km E	Heard	2	Explosion	Undetermined	N/K	23-Oct, 13:23-13:42
	2-3km E	Heard	1	Burst		HMG	23-Oct, 13:23-13:42
	2-3km ESE	Heard	7	Explosion	Undetermined	N/K	23-Oct, 13:23-13:42
	2-3km ESE	Heard	3	Shot		Small arms	23-Oct, 13:23-13:42
	1-3km NNE	Heard	1	Shot		Small arms	23-Oct, 13:23-13:42
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	23-Oct, 13:43-13:55
	2-3km NNE	Heard	1	Explosion	Undetermined	N/K	23-Oct, 13:43-13:55
	2-3km NNE	Heard	3	Burst		Small arms	23-Oct, 13:43-13:55
N part of Sakhanka (non-government-controlled, 97km S of Donetsk)	1-2.5km NW	Heard	8	Burst		Small arms	23-Oct, 12:12-12:14
	2.5-3km SW	Heard	20	Shot		Cannon 30mm	23-Oct, 12:25-12:40
	2.5-3km SW	Heard	20	Explosion	Impact	N/K	23-Oct, 12:25-12:40
About 2km SSE of Sakhanka (non-government-controlled, 97km S of Donetsk)	2km NNW	Heard	15	Shot		AGL	23-Oct, 13:45-13:49
	2km NNW	Heard		Burst	Uncountable	Small arms	23-Oct, 13:53
1.6km SE of Lomakyne (government-controlled, 93km S of Donetsk)	3-4km ESE	Heard	1	Burst		Cannon 23mm	23-Oct, 14:22
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	22-Oct, 19:31
	1-3km SW	Heard	5	Burst		Small arms	22-Oct, 20:52
	1-3km SW	Heard	4	Burst		Small arms	22-Oct, 20:55
	2-3km SW	Heard	6	Burst		HMG	22-Oct, 22:09
	2-3km SW	Heard	3	Burst		Small arms	22-Oct, 22:13

	1-3km SW	Heard	7	Burst		Small arms	22-Oct, 23:04
	1-3km SW	Heard	8	Shot		Small arms	22-Oct, 23:23
	1-3km W	Heard	6	Burst		Small arms	22-Oct, 23:53
	1-3km SW	Heard	3	Burst		Small arms	22-Oct, 23:59
	1-3km SW	Heard	8	Shot		Small arms	23-Oct, 00:38
	2-3km W	Heard	4	Explosion	Undetermined	N/K	23-Oct, 08:17-08:20
	2-3km W	Heard	21	Burst		HMG	23-Oct, 08:17-08:20
	2-3km SW	Heard	7	Explosion	Undetermined	N/K	23-Oct, 13:00
	2-3km SW	Heard	2	Burst		HMG	23-Oct, 16:52
	1-3km W	Heard	5	Shot		Small arms	23-Oct, 18:06
N edge of Horlivka (non-government-controlled, 39 km NE of Donetsk)	6-8km SW	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:35
About 6km NNW of Horlivka (non-government controlled, 39km NE of Donetsk)	4-6km W	Heard	2	Explosion	Undetermined	N/K	23-Oct, 11:46
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SSE	Heard	4	Burst		Small arms	22-Oct, 18:55
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	22-Oct, 19:01
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	22-Oct, 19:18
	2-3km SE	Heard	2	Burst		HMG	22-Oct, 19:55
	2-3km SE	Heard	7	Burst		HMG	22-Oct, 22:08
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	22-Oct, 22:30
	2-3km SE	Heard	5	Burst		HMG	22-Oct, 22:36
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	22-Oct, 22:48
	2-3km SE	Heard	8	Shot		Small arms	22-Oct, 23:07
	2-3km SE	Heard	6	Burst		HMG	22-Oct, 23:17
	2-3km SE	Heard	4	Burst		HMG	22-Oct, 23:48
	2-3km SE	Heard	12	Shot		Small arms	22-Oct, 23:50
	2-3km SE	Heard	10	Burst		HMG	23-Oct, 14:24
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km S	Heard	10	Burst		HMG	23-Oct, 09:25
	2-3km S	Heard	5	Burst		HMG	23-Oct, 09:30
	3-4km S	Heard	1	Explosion	Undetermined	N/K	23-Oct, 09:50
	5-6km S	Heard	1	Explosion	Undetermined	N/K	23-Oct, 10:10
	2-3km E	Heard	3	Burst		Small arms	23-Oct, 10:35
	1-2km E	Heard		Burst	Uncountable	Small arms	23-Oct, 13:05-13:08
	1-2km E	Heard	20	Burst		Small arms	23-Oct, 13:12
	2-3km E	Heard	1	Explosion	Undetermined	N/K	23-Oct, 14:52
2.3km NNW of Luhanske (government-controlled, 59km NE of Donetsk)	8-10km E	Saw	1	Explosion	Undetermined	N/K	3-Oct, 15:55
Kadiivka (formerly Stakhanov, non-government-	12-17km N	Heard	10	Explosion	Undetermined	N/K	22-Oct, 20:40-20:50
	14-18km WNW	Heard	3	Explosion	Undetermined	N/K	23-Oct, 16:03-16:05

controlled, 50km W of Luhansk)							
250m N of Stanytsia Luhanska Bridge (15km NE of Luhansk)	8-10km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Oct, 14:47