

Table of ceasefire violations as of 19 August 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date and time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 21:28
	3-5km SSE	Recorded	9	Projectile	SW to NE	N/K	17-Aug, 23:18
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	17-Aug, 23:21
	3-5km SSE	Recorded	3	Projectile	SW to NE	N/K	17-Aug, 23:22
	3-5km SSE	Recorded	7	Projectile	SW to NE	N/K	17-Aug, 23:23
	3-5km SSE	Recorded	5	Projectile	SW to NE	N/K	17-Aug, 23:25
	3-5km SSE	Recorded	5	Projectile	SW to NE	N/K	18-Aug, 00:13
	3-5km SSE	Recorded	2	Projectile	SW to NE	N/K	18-Aug, 00:14
	3-5km SSE	Recorded	2	Projectile	NE to SW	N/K	18-Aug, 00:14
	3-5km SSE	Recorded	9	Projectile	SW to NE	N/K	18-Aug, 00:29
	3-5km SSE	Recorded	6	Projectile	NE to SW	N/K	18-Aug, 00:29
	3-5km SSE	Recorded	3	Projectile	NE to SW	N/K	18-Aug, 00:30
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	18-Aug, 01:26
	2-4km SE	Recorded	5	Projectile	E to W	N/K	18-Aug, 05:11
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-2km E	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 19:10
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 19:11
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 20:16
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 20:16
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 20:16
	0.5-1km SSW	Recorded	2	Projectile	E to W	HMG or anti-aircraft gun (ZU-23, 23mm)	17-Aug, 20:24
	0.5-1km SSW	Recorded	1	Projectile	SE to NW	N/K	17-Aug, 20:26
	0.1-0.3km S	Recorded	3	Projectile	E to W	Recoilless gun or RPG	17-Aug, 20:28
	4-5km SE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 21:11
	2-4km SSW	Recorded	1	Muzzle flash		N/K	17-Aug, 21:22
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 21:22
	2-4km SSW	Recorded	1	Projectile	ESE to WNW	Surface-to-air missile system	17-Aug, 21:22
	2-4km SSW	Recorded	4	Projectile	W to E	HMG or anti-aircraft gun (ZU-23)	17-Aug, 21:30
	2-4km SW	Recorded	1	Projectile	W to E	N/K	17-Aug, 21:40
	2-4km SW	Recorded	5	Projectile	W to E	N/K	17-Aug, 21:43
	2-4km SW	Recorded	1	Projectile	W to E	N/K	17-Aug, 21:49
2-4km SW	Recorded	4	Projectile	NW to SE	N/K	17-Aug, 21:51	
3-4km SW	Recorded	6	Projectile	W to E	N/K	17-Aug, 21:56	
3-4km SW	Recorded	7	Projectile	W to E	N/K	17-Aug, 21:57	

¹ 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 SW	Recorded	1	Illumination flare	W to E	N/K	17-Aug, 22:00
	2-4km SW	Recorded	3	Projectile	W to E	N/K	17-Aug, 22:24
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 23:05
	3-4km SW	Recorded	1	Projectile	W to E	N/K	17-Aug, 23:09
	3-4km SW	Recorded	4	Projectile	W to E	N/K	17-Aug, 23:17
	0.5-1km SSW	Recorded	1	Projectile	ESE to WNW	N/K	17-Aug, 23:21
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 23:21
	2-3km SSW	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 23:22
	3-4km SW	Recorded	3	Projectile	W to E	N/K	17-Aug, 23:23
	3-4km SW	Recorded	4	Projectile	W to E	N/K	17-Aug, 23:23
	3-4km SW	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 23:24
	3-4km SW	Recorded	1	Projectile	N to S	N/K	17-Aug, 23:26
	4-5km SW	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 00:00
	4-5km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:08
	3-4km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:12
	3-4km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:13
	2-3km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:28
	2-3km SW	Recorded	10	Projectile	W to E	N/K	18-Aug, 00:29
	2-3km SW	Recorded	4	Projectile	W to E	N/K	18-Aug, 00:30
	2-3km SW	Recorded	3	Projectile	W to E	N/K	18-Aug, 00:31
	2-3km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:37
	2-3km SW	Recorded	2	Projectile	W to E	N/K	18-Aug, 00:40
	3-4km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 01:11
	3-4km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 01:23
	3-4km SW	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 01:26
	3-4km SW	Recorded	1	Explosion	Undetermined	Surface-to-air missile system	18-Aug, 01:26
	3-4km SW	Recorded	1	Projectile	W to E	N/K	18-Aug, 03:39
	3-4km SW	Recorded	1	Projectile	In vertical flight	HMG or anti-aircraft gun (ZU-23)	18-Aug, 03:39
SMM camera 1km south-west of Pyschchevyk (government-controlled, 25km NE of Mariupol)	2-4km E	Recorded	4	Projectile	S to N	N/K	17-Aug, 20:52
	2-4km E	Recorded	2	Projectile	N to S	N/K	17-Aug, 21:43
	2-4km E	Recorded	3	Projectile	N to S	N/K	17-Aug, 21:48
	2-4km E	Recorded	4	Projectile	N to S	N/K	17-Aug, 21:49
	2-4km E	Recorded	3	Projectile	N to S	N/K	17-Aug, 21:50
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 21:50
	2-4km NE	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:07
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	17-Aug, 22:51
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	17-Aug, 22:54
	2-4km NE	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:55
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	17-Aug, 22:55
	2-4km NE	Recorded	2	Projectile	N to S	N/K	17-Aug, 22:56
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	17-Aug, 22:59
	2-4km ENE	Recorded	5	Projectile	S to N	N/K	17-Aug, 23:02
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	17-Aug, 23:12
	2-4km ENE	Recorded	16	Projectile	N to S	N/K	18-Aug, 00:39
	2-4km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 00:39
	2-4km ENE	Recorded	11	Projectile	N to S	N/K	18-Aug, 00:40
2-4km ENE	Recorded	2	Muzzle flash		N/K	18-Aug, 00:40	
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	1-2km SE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 03:26
SMM camera in Krasnohorivka (government-	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	18-Aug, 02:16
	1-3km W	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 02:37
	2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	18-Aug, 03:45

controlled, 21km W of Donetsk)	1-3km E	Recorded	2	Projectile	NE to SW	N/K	18-Aug, 03:45
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km E	Recorded	2	Explosion	Undetermined	N/K	17-Aug, 21:13
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	0.3-0.5km E	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 20:54
	0.2-1km ESE	Recorded	2	Projectile	ESE to WNW	Anti-aircraft gun (ZU-23)	17-Aug, 20:54
	0.3-1km ESE	Recorded	4	Projectile	N to S	Anti-aircraft gun (ZU-23)	17-Aug, 20:54
	1-2km ENE	Recorded	1	Projectile	S to N	N/K	17-Aug, 20:57
	0.5-1km SE	Recorded	1	Projectile	S to N	N/K	17-Aug, 21:00
	0.2-1km SE	Recorded	5	Projectile	S to N	Anti-aircraft gun (ZU-23)	17-Aug, 21:03
	0.5-1km SE	Recorded	9	Projectile	S to N	Anti-aircraft gun (ZU-23)	17-Aug, 21:07
	0.5-1km ESE	Recorded	1	Projectile	S to N	Anti-aircraft gun (ZU-23)	17-Aug, 21:11
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	17-Aug, 21:26
	0.5-1km ESE	Recorded	4	Projectile	ESE to WNW	Anti-aircraft gun (ZU-23)	17-Aug, 21:27
	2-4km E	Recorded	3	Projectile	S to N	N/K	17-Aug, 21:44
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 21:49
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 21:52
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 21:53
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	17-Aug, 21:53
	1-2km ENE	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 21:55
	0.5-1km ESE	Recorded	1	Projectile	S to N	N/K	17-Aug, 21:57
	2-4km E	Recorded	5	Projectile	S to N	N/K	17-Aug, 22:03
	2-4km E	Recorded	1	Burst	S to N (approximately 5-8 rounds)	N/K	17-Aug, 22:03
	2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:03
	1-2km ENE	Recorded	2	Projectile	N to S	N/K	17-Aug, 22:04
	2-4km E	Recorded	1	Burst	S to N (10 rounds)	N/K	17-Aug, 22:04
	2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:05
	2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:06
	2-4km E	Recorded	2	Projectile	S to N	N/K	17-Aug, 22:08
	2-4km E	Recorded	5	Projectile	S to N	N/K	17-Aug, 22:09
	0.5-1km ESE	Recorded	11	Projectile	S to N	N/K	17-Aug, 22:09
2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 22:10	
2-4km E	Recorded	2	Projectile	S to N	N/K	17-Aug, 22:10	
0.5-1km ESE	Recorded	11	Projectile	S to N	N/K	17-Aug, 22:10	
0.5-1km ESE	Recorded	1	Projectile	S to N	N/K	17-Aug, 22:11	
2-4km E	Recorded	2	Projectile	N to S	N/K	17-Aug, 22:15	
2-4km E	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 22:15	
0.5-1km ESE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 22:15	
0.5-1km ESE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 22:17	

0.3-1km ESE	Recorded	2	Projectile	ESE to WNW	N/K	17-Aug, 22:18
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:18
2-4km E	Recorded	4	Projectile	S to N	N/K	17-Aug, 22:18
2-4km E	Recorded	2	Projectile	S to N	N/K	17-Aug, 22:19
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:19
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:23
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:25
2-4km E	Recorded	4	Projectile	S to N	N/K	17-Aug, 22:26
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:28
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:30
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 22:35
0.5-1km ESE	Recorded	1	Projectile	S to N	N/K	17-Aug, 22:39
0.5-1km ESE	Recorded	5	Projectile	S to N	N/K	17-Aug, 22:55
0.8-1km ESE	Recorded	2	Projectile	S to N	N/K	17-Aug, 22:56
0.5-1km ESE	Recorded	10	Projectile	S to N	N/K	17-Aug, 22:57
2-4km E	Recorded	1	Burst	S to N (approximately 5 rounds)	N/K	17-Aug, 22:57
2-4km E	Recorded	1	Projectile	S to N	N/K	17-Aug, 23:02
2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 23:02
0.5-1km ENE	Recorded	2	Projectile	In vertical flight	N/K	17-Aug, 23:15
0.5-1km ENE	Recorded	1	Projectile	N to S	N/K	17-Aug, 23:15
0.5-1km E	Recorded	8	Projectile	S to N	N/K	17-Aug, 23:16
2-4km E	Recorded	1	Projectile	S to N	N/K	17-Aug, 23:21
2-4km E	Recorded	1	Projectile	S to N	N/K	17-Aug, 23:22
2-4km E	Recorded	1	Projectile	N to S	N/K	17-Aug, 23:22
2-4km ENE	Recorded	2	Projectile	N to S	HMG or anti-aircraft gun (ZU-23)	17-Aug, 23:30
2-4km ENE	Recorded	1	Burst	S to N (approximately 5 rounds)	N/K	17-Aug, 23:30
0.5-1km NE	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 23:41
2-4km ENE	Recorded	2	Projectile	N to S	N/K	17-Aug, 23:51
2-4km E	Recorded	1	Projectile	In vertical flight	N/K	17-Aug, 23:59
0.5-1km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 00:00
0.5-1km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 00:01
2-4km ENE	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 00:08
2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 00:08
2-4km ENE	Recorded	2	Projectile	N to S	N/K	18-Aug, 00:09
2-4km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 00:09
0.5-1km E	Recorded	16	Projectile	N to S	N/K	18-Aug, 00:15
0.5-1km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 00:15
2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 00:17
2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 00:18
2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 00:18
1-2km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 00:22
2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 00:35
1-3km E	Recorded	1	Projectile	WSW to ENE	N/K	18-Aug, 00:39
1-3km E	Recorded	3	Projectile	WNW to ESE	N/K	18-Aug, 00:39
2-4km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 00:47
2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 01:00
2-4km E	Recorded	6	Projectile	NW to SE	Anti-aircraft gun (ZU-	18-Aug, 01:09

						23)	
	2-4km E	Recorded	11	Burst	N to S (approximately 50 rounds)	Anti- aircraft gun (ZU- 23)	18-Aug, 01:09
	2-4km E	Recorded	1	Illumination flare		N/K	18-Aug, 01:09
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 01:09
	2-4km E	Recorded	2	Projectile	S to N	HMG	18-Aug, 01:09
	2-4km E	Recorded	10	Burst	NW to SE (approximately 50 rounds)	Anti- aircraft gun (ZU- 23)	18-Aug, 01:10
	2-4km E	Recorded	2	Projectile	S to N	Anti- aircraft gun (ZU- 23)	18-Aug, 01:10
	2-4km E	Recorded	3	Projectile	N to S	Anti- aircraft gun (ZU- 23)	18-Aug, 01:10
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:11
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:11
	2-4km E	Recorded	1	Muzzle flash		N/K	18-Aug, 01:11
	2-4km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 01:12
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:12
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:14
	2-4km E	Recorded	1	Burst	SW to NE (approximately 10 rounds)	N/K	18-Aug, 01:19
	2-4km E	Recorded	4	Projectile	S to N	N/K	18-Aug, 01:21
	1-3km ENE	Recorded	10	Projectile	NW to SE	N/K	18-Aug, 01:22
	1-3km E	Recorded	1	Projectile	WNW to ESE	N/K	18-Aug, 01:25
	1-3km E	Recorded	1	Muzzle flash		N/K	18-Aug, 01:25
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 01:27
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:30
	2-4km E	Recorded	1	Muzzle flash		N/K	18-Aug, 01:30
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 01:34
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 01:37
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 01:38
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	18-Aug, 01:40
	1-3km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 03:25
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	2-3km N	Recorded	1	Illumination flare		N/K	17-Aug, 21:10
	4-5km N	Recorded	1	Projectile	W to E	N/K	17-Aug, 21:45
	3-4km NNE	Recorded	2	Explosion	Undetermined	N/K	17-Aug, 21:52
	1-2km NNE	Recorded	1	Projectile	E to W	N/K	17-Aug, 22:11
	2-3km NNE	Recorded	1	Projectile	E to W	N/K	18-Aug, 00:02
	2-3km NNE	Recorded	1	Projectile	W to E	N/K	18-Aug, 00:08
SMM camera at Oktiabr mine (non- government- controlled, 9km NW of Donetsk)	3-5km NE	Recorded	10	Projectile	NW to SE	N/K	17-Aug, 21:00
	3-5km NE	Recorded	8	Projectile	NW to SE	N/K	17-Aug, 21:02
	3-5km NE	Recorded	1	Projectile	SE to NW	N/K	17-Aug, 21:40
	2-4km NE	Recorded	4	Muzzle flash		N/K	17-Aug, 21:51
	3-5km NE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Aug, 21:51
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 23:13
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of	2-4km SSE	Recorded	10	Projectile	W to E	N/K	17-Aug, 00:04
	2-4km SE	Recorded	5	Projectile	NE to SW	N/K	17-Aug, 20:32
	2-4km SE	Recorded	7	Projectile	NE to SW	N/K	17-Aug, 20:33
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	17-Aug, 20:41
	3-4km SE	Recorded	3	Projectile	NE to SW	N/K	17-Aug, 20:52
	3-4km SE	Recorded	10	Projectile	NE to SW	N/K	17-Aug, 20:58
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	17-Aug, 21:01

Mariupol)	3-4km SE	Recorded	4	Projectile	NE to SW	N/K	17-Aug, 21:06
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	17-Aug, 21:07
	2-4km SE	Recorded	2	Projectile	W to E	N/K	17-Aug, 21:10
	3-4km SE	Recorded	2	Projectile	NE to SW	N/K	17-Aug, 21:11
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	17-Aug, 21:12
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	17-Aug, 21:13
	3-4km SE	Recorded	2	Projectile	NW to SE	N/K	17-Aug, 21:14
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	17-Aug, 21:15
	2-4km SE	Recorded	4	Projectile	NW to SE	N/K	17-Aug, 21:15
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	17-Aug, 21:17
	2-4km S	Recorded	1	Muzzle flash		N/K	17-Aug, 21:35
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	17-Aug, 21:35
	2-4km S	Recorded	1	Muzzle flash		N/K	17-Aug, 21:36
	2-4km SE	Recorded	1	Projectile	NW to SE	N/K	17-Aug, 21:51
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	17-Aug, 21:55
	3-4km SE	Recorded	5	Projectile	NE to SW	N/K	17-Aug, 21:56
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	17-Aug, 22:13
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	17-Aug, 22:25
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	17-Aug, 22:41
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	17-Aug, 22:52
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	17-Aug, 22:53
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	17-Aug, 23:01
	2-4km S	Recorded	1	Projectile	W to E	N/K	17-Aug, 23:23
	2-4km S	Recorded	1	Projectile	E to W	N/K	17-Aug, 23:24
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	17-Aug, 23:29
	1-2km S	Recorded	1	Muzzle flash		N/K	17-Aug, 23:44
	3-4km SE	Recorded	1	Projectile	In vertical flight	N/K	17-Aug, 23:56
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	17-Aug, 23:57
	3-4km SE	Recorded	13	Projectile	E to W	N/K	18-Aug, 00:04
	2-4km SE	Recorded	4	Projectile	W to E	N/K	18-Aug, 00:05
	2-4km SSE	Recorded	5	Projectile	E to W	N/K	18-Aug, 00:23
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	18-Aug, 00:57
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	18-Aug, 01:13
2-4km SSE	Recorded	2	Projectile	W to E	N/K	18-Aug, 01:14	
2-4km S	Recorded	4	Projectile	W to E	N/K	18-Aug, 01:15	
2-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 01:15	
2-4km S	Recorded	3	Projectile	NE to SW	N/K	18-Aug, 01:19	
2-4km S	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 02:20	
3-4km SE	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 03:28	
2-4km S	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 04:27	
2-4km S	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 04:28	
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	1-3km NW	Recorded	1	Explosion	Undetermined	N/K	17-Aug, 20:09
	1-3km NW	Recorded	1	Projectile	WSW to ENE	N/K	17-Aug, 23:09
	1-3km NW	Recorded	2	Projectile	WSW to ENE	N/K	17-Aug, 23:12
	1-3km NW	Recorded	1	Projectile	WSW to ENE	N/K	17-Aug, 23:23
	1-3km NW	Recorded	2	Projectile	W to E	N/K	18-Aug, 00:58
	1-3km NW	Recorded	1	Projectile	NNW to SSE	N/K	18-Aug, 04:37
SE edge of Avdiivka (government- controlled, 17km N of Donetsk)	1km ESE	Heard	2	Explosion	Undetermined	N/K	18-Aug, 10:30- 10:42
	1km ESE	Heard	2	Burst		HMG	18-Aug, 10:30- 10:42
	1km ESE	Heard	23	Shot		Small arms	18-Aug, 10:30- 10:42
	1km ESE	Heard	1	Explosion	Undetermined	N/K	18-Aug, 11:10
	1km ESE	Heard	7	Shot		Small arms	18-Aug, 11:10
	1km ESE	Heard	1	Explosion	Undetermined	N/K	18-Aug, 11:45
	1km ESE	Heard	1	Explosion	Undetermined	N/K	18-Aug, 14:15
6km NW of Donetsk city centre (non- government- controlled)	2-3km NNW	Heard	28	Burst		Small arms	18-Aug, 14:45- 15:00
	2-3km NNW	Heard	20	Shot		Small arms	18-Aug, 14:45- 15:00
	2-3km N	Heard	8	Burst		Small arms	18-Aug, 15:12

Lebedynske (government-controlled, 16km NE of Mariupol)	2km NE	Heard	1	Explosion	Undetermined	N/K	18-Aug, 12:43
Horlivka (non-government-controlled, 39km NE of Donetsk)	8-10km W	Heard	2	Explosion	Undetermined	N/K	17-Aug, 20:49
	8-10km N	Heard	7	Burst		Anti-aircraft cannon (ZU-23, 23mm)	17-Aug, 20:55
	8-10km NW	Heard and Saw	3	Burst		Anti-aircraft cannon (ZU-23, 23mm)	17-Aug, 21:00
	8-10km N	Heard	7	Explosion	Undetermined	N/K	17-Aug, 21:02
	7-8km NNW	Heard and Saw	1	Burst		Anti-aircraft cannon (ZU-23, 23mm)	17-Aug, 21:04
	8-10km N	Heard	2	Explosion	Undetermined	N/K	17-Aug, 21:07
	8-10km NNW	Heard	5	Explosion	Undetermined	N/K	17-Aug, 21:16
	7-8km NNW	Heard	4	Explosion	Undetermined	N/K	18-Aug, 05:08-05:10
	7-8km NNW	Heard	2	Explosion	Undetermined	N/K	18-Aug, 05:17-05:18
	5-6km NNW	Heard	2	Burst		HMG	18-Aug, 05:27
	5-6km NNW	Heard	4	Burst		HMG	18-Aug, 05:48-05:49
	5-7km NNW	Heard	2	Explosion	Undetermined	N/K	18-Aug, 07:27
	4-5km NNW	Heard	1	Burst		HMG	18-Aug, 07:28
	Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Heard	3	Burst		HMG
4-5km SE		Heard	6	Explosion	Undetermined	N/K	17-Aug, 21:38-21:41
2-4km SE		Heard	4	Burst		HMG	17-Aug, 21:38-21:41
2-3km SE		Heard	5	Burst		Small arms	17-Aug, 21:38-21:41
2-3km SE		Heard	5	Burst		Small arms	17-Aug, 21:46-21:49
4-5km SE		Heard	4	Explosion	Undetermined	N/K	17-Aug, 21:46-21:49
2-3km SE		Heard	5	Burst		Small arms	17-Aug, 21:55-21:58
4-5km SE		Heard	6	Explosion	Undetermined	N/K	17-Aug, 22:01-22:04
2-3km SE		Heard	10	Burst		Small arms	17-Aug, 22:14-22:17
4-5km SE		Heard	8	Explosion	Undetermined	N/K	17-Aug, 22:14-22:17
4-5km SE		Heard	6	Explosion	Undetermined	N/K	17-Aug, 22:30-22:33
4-5km SE		Heard	5	Explosion	Undetermined	N/K	17-Aug, 22:45-22:47
2-3km SE		Heard	3	Burst		Small arms	17-Aug, 23:42-23:44
2-3km SE		Heard	10	Burst		Small arms	17-Aug, 23:45-23:48
2-3km S		Heard	4	Burst		Small arms	18-Aug, 03:10-03:11
4-5km SE	Heard	6	Explosion	Undetermined	N/K	18-Aug, 03:15-03:18	

	2-3km S	Heard	6	Burst		HMG	18-Aug, 03:15-03:18
	4-5km SE	Heard	7	Explosion	Undetermined	N/K	18-Aug, 03:19-03:21
	2-3km SE	Heard	11	Burst		Small arms	18-Aug, 03:19-03:21
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	18-Aug, 03:30-03:33
	2-3km SE	Heard	12	Burst		Small arms	18-Aug, 03:33-03:36
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	18-Aug, 03:33-03:36
	2-3km SE	Heard	8	Burst		HMG	18-Aug, 03:36-03:39
	5-6km N	Heard	1	Explosion	Undetermined	N/K	18-Aug, 07:41
1.6km SSE of Kamianka (government-controlled, 20km N of Donetsk)	2km E	Heard	7	Shot		Small arms	18-Aug, 09:13
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3km N	Heard	4	Burst	Unable to assess whether inside or outside the disengagement area	HMG	18-Aug, 09:45-09:48
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	3-4km SE	Heard	4	Burst	Unable to assess whether inside or outside the disengagement area	HMG	18-Aug, 10:06-10:07
S edge of Popasna (government-controlled, 69km W of Luhansk)	3-8km ENE	Heard	1	Explosion	Undetermined	N/K	18-Aug, 11:58
	3-8km NNE	Heard	7	Explosion	Undetermined	N/K	18-Aug, 12:08-12:15
NE edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	4-5km WSW	Heard	2	Explosion	Undetermined	N/K	18-Aug, 12:49-12:50
SE edge of Popasna (government-controlled, 69km W of Luhansk)	2-5km SSE	Heard	2	Explosion	Undetermined	Mortar (type N/K)	18-Aug, 12:50
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-3km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:57
	2-3km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:07
SMM camera in Chermalyk (government-controlled, 31km NE of	2-4km E	Recorded	4	Burst	In vertical flight (approximately 20 rounds)	N/K	18-Aug, 22:02
	2-4km E	Recorded	1	Burst	ENE to WSW (approximately	N/K	18-Aug, 22:02

Mariupol)					5 rounds)		
	2-4km E	Recorded	2	Projectile	In vertical flight	N/K	18-Aug, 22:03
	2-4km E	Recorded	5	Burst	In vertical flight (approximately 20 rounds)	N/K	18-Aug, 22:04
	2-4km E	Recorded	3	Projectile	In vertical flight	N/K	18-Aug, 22:04
	2-4km E	Recorded	2	Burst	In vertical flight (approximately 10 rounds)	N/K	18-Aug, 22:10
	2-4km E	Recorded	3	Projectile	In vertical flight	N/K	18-Aug, 22:11
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Projectile	W to E	N/K	18-Aug, 21:11
	0.5-1km SSW	Recorded	1	Projectile	NNW to SSE	N/K	18-Aug, 21:27
	0.2-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:28
	0.5-1km S	Recorded	1	Projectile	NNE to SSW	N/K	18-Aug, 21:31
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:35
	0.5-1km SSE	Recorded	1	Projectile	W to E	N/K	18-Aug, 21:35
	0.5-1km SSW	Recorded	3	Projectile	NW to SE	N/K	18-Aug, 21:49
	0.5-1km SW	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:49
	0.5-1km S	Recorded	4	Projectile	NW to SE	N/K	18-Aug, 21:50
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:59
	1-3km S	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 22:00
	1-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	18-Aug, 22:15
	1-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	18-Aug, 22:28
	0.3-0.5km S	Recorded	1	Projectile	W to E	N/K	18-Aug, 22:33
	1-3km SSW	Recorded	1	Illumination flare	WSW to ENE	N/K	18-Aug, 22:50
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 23:43
	0.5-1km S	Recorded	1	Muzzle flash		N/K	18-Aug, 23:43
	0.5-1km S	Recorded	3	Projectile	E to W	N/K	18-Aug, 23:43
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	19-Aug, 00:38
	1-3km SSW	Recorded	2	Explosion	Airburst	N/K	19-Aug, 01:24
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	19-Aug, 01:24
	1-3km SSW	Recorded	1	Projectile	W to E	N/K	19-Aug, 03:43
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	19-Aug, 04:23
0.5-1km S	Recorded	3	Projectile	E to W	N/K	19-Aug, 23:43	
SMM camera 1km south-west of Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 17:40
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 17:41
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 20:49
	2-4km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 20:52
	2-4km ESE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:01
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	18-Aug, 21:01
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Aug, 21:04
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Aug, 21:05
	2-4km E	Recorded	4	Projectile	S to N	N/K	18-Aug, 21:09
	2-4km E	Recorded	8	Projectile	S to N	N/K	18-Aug, 21:15
	2-4km E	Recorded	5	Projectile	S to N	N/K	18-Aug, 21:19
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	18-Aug, 21:28
	2-4km E	Recorded	5	Projectile	N to S	N/K	18-Aug, 21:28
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	18-Aug, 21:41
	2-4km ENE	Recorded	2	Muzzle flash		N/K	18-Aug, 21:48
	2-4km E	Recorded	4	Projectile	N to S	N/K	18-Aug, 21:48
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 21:54
	2-4km E	Recorded	1	Projectile	S to N	N/K	18-Aug, 21:57
	2-4km ESE	Recorded	6	Projectile	S to N	N/K	18-Aug, 22:01
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:08
	2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 22:15
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:22
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	18-Aug, 22:33
	2-4km E	Recorded	10	Projectile	N to S	N/K	18-Aug, 22:50
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:50
	2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 22:51
	2-4km E	Recorded	1	Projectile	SE to NW	N/K	18-Aug, 22:53
	2-4km E	Recorded	4	Explosion	Undetermined	N/K	18-Aug, 22:54

	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 23:04
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	18-Aug, 23:04
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	18-Aug, 23:07
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 23:07
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	18-Aug, 23:17
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	19-Aug, 00:26
	2-4km ESE	Recorded	4	Projectile	S to N	N/K	19-Aug, 00:35
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	19-Aug, 00:36
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	19-Aug, 01:26
	2-4km ENE	Recorded	11	Projectile	S to N	N/K	19-Aug, 03:54
	2-4km E	Recorded	5	Projectile	S to N	N/K	19-Aug, 04:06
	2-4km E	Recorded	1	Muzzle flash		N/K	19-Aug, 04:06
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	19-Aug, 04:33
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K	18-Aug, 21:17
	2-4km ESE	Recorded	1	Burst	NE to SW (approximately 10 rounds)	N/K	18-Aug, 21:17
	2-4km ESE	Recorded	4	Projectile	NE to SW	N/K	18-Aug, 21:30
	2-4km ESE	Recorded	8	Projectile	WNW to ESE	N/K	18-Aug, 21:30
	2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	18-Aug, 21:31
	2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	18-Aug, 21:32
	2-4km ESE	Recorded	3	Projectile	NE to SW	N/K	18-Aug, 21:32
	2-4km E	Recorded	2	Projectile	NNW to SSE	N/K	18-Aug, 21:33
	2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	18-Aug, 21:34
	2-4km ESE	Recorded	2	Projectile	NE to SW	N/K	18-Aug, 21:37
	2-4km ESE	Recorded	1	Projectile	W to E	N/K	18-Aug, 21:38
	2-4km E	Recorded	2	Projectile	NNW to SSE	N/K	18-Aug, 21:38
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:38
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:40
	2-4km SE	Recorded	1	Burst	SW to NE (approximately 15 rounds)	N/K	18-Aug, 21:42
	1-2km S	Recorded	4	Projectile	SW to NE	N/K	18-Aug, 21:51
	1-2km S	Recorded	10	Projectile	SW to NE	N/K	18-Aug, 21:52
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	18-Aug, 21:57
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	18-Aug, 21:58
	2-4km SSE	Recorded	3	Projectile	NE to SW	N/K	18-Aug, 22:18
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	18-Aug, 22:26
	2-4km SE	Recorded	8	Projectile	NE to SW	N/K	18-Aug, 22:26
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	18-Aug, 22:27
	2-4km SE	Recorded	16	Burst	NE to SW (approximately 40 rounds)	N/K	18-Aug, 22:27
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	18-Aug, 22:28
	2-4km SSE	Recorded	4	Projectile	SW to NE	N/K	18-Aug, 22:29
	2-4km ESE	Recorded	2	Projectile	NE to SW	N/K	18-Aug, 22:30
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	18-Aug, 22:30
	2-4km ESE	Recorded	1	Projectile	NNE to SSW	N/K	18-Aug, 22:32
	1-2km S	Recorded	5	Projectile	WNW to ESE	N/K	18-Aug, 22:34
	2-4km SE	Recorded	1	Projectile	NNW to SSE	N/K	18-Aug, 22:34
	1-2km S	Recorded	16	Projectile	WNW to ESE	N/K	18-Aug, 22:35
2-4km SE	Recorded	4	Projectile	NE to SW	N/K	18-Aug, 22:36	
2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	18-Aug, 22:39	
2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	18-Aug, 23:03	
2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	19-Aug, 00:03	
1-2km S	Recorded	32	Projectile	WNW to ESE	N/K	19-Aug, 00:53	
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km E	Recorded	1	Projectile	S to N	N/K	18-Aug, 20:59
	2-4km E	Recorded	1	Projectile	E to W	N/K	18-Aug, 21:21
SMM camera at entry-exit	2-4km E	Recorded	1	Burst	SW to NE (approximately 5 rounds)	N/K	18-Aug, 21:41
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:58
SMM camera at entry-exit	1-3km E	Recorded	1	Projectile	S to N	N/K	18-Aug, 20:18
	1-3km E	Recorded	3	Burst	N to S	N/K	18-Aug, 20:19

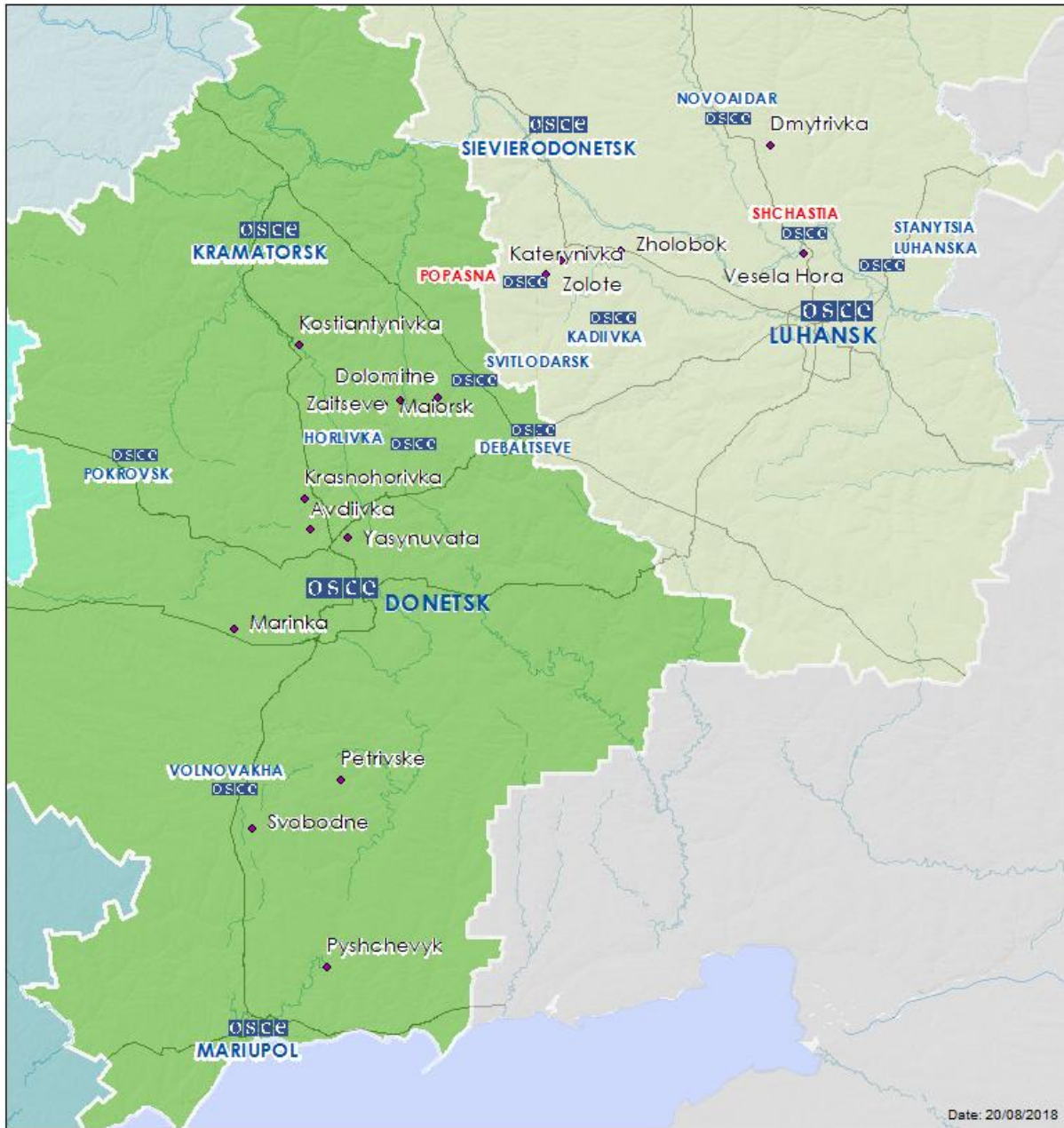
checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)					(approximately 15 rounds)		
	1-3km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 20:19
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:19
	1-3km E	Recorded	4	Projectile	N to S	N/K	18-Aug, 20:20
	1-3km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 20:20
	1-3km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 20:21
	1-3km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 20:22
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:39
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:51
	1-3km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:53
	1-3km E	Recorded	4	Projectile	S to N	N/K	18-Aug, 20:53
	1-3km E	Recorded	6	Projectile	N to S	N/K	18-Aug, 20:54
	1-3km E	Recorded	1	Projectile	S to N	N/K	18-Aug, 20:54
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:55
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 20:59
	1-3km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:03
	1-3km ENE	Recorded	3	Projectile	NW to SE	N/K	18-Aug, 21:03
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:03
	1-3km E	Recorded	1	Projectile	S to N	N/K	18-Aug, 21:05
	1-3km ENE	Recorded	2	Explosion	Undetermined	N/K	18-Aug, 21:05
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 21:05
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 21:07
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:07
	1-3km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:10
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 21:10
	1-3km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:13
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 21:13
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:13
	1-3km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:17
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:17
	2-4km ENE	Recorded	1	Muzzle flash		N/K	18-Aug, 21:20
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	18-Aug, 21:20
	2-4km E	Recorded	4	Projectile	N to S	N/K	18-Aug, 21:35
	2-4km E	Recorded	5	Projectile	S to N	N/K	18-Aug, 21:36
	1-3km E	Recorded	9	Projectile	N to S	N/K	18-Aug, 21:36
	1-3km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 21:37
	1-3km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 21:37
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Aug, 21:39
	1-3km ENE	Recorded	6	Projectile	NW to SE	N/K	18-Aug, 21:41
	1-3km E	Recorded	6	Projectile	W to E	N/K	18-Aug, 21:42
1-2km E	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:42	
1-2km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 21:42	
1-3km ENE	Recorded	3	Projectile	N to S	N/K	18-Aug, 21:49	
1-3km ENE	Recorded	5	Projectile	N to S	N/K	18-Aug, 21:51	
2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 21:54	
1-3km ENE	Recorded	2	Projectile	S to N	N/K	18-Aug, 21:54	
1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 21:54	
1-3km ENE	Recorded	8	Projectile	N to S	N/K	18-Aug, 21:55	
2-4km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 21:56	
1-3km ENE	Recorded	6	Projectile	N to S	N/K	18-Aug, 21:58	
1-3km E	Recorded	3	Projectile	S to N	N/K	18-Aug, 21:58	
1-3km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:00	
1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:12	
1-3km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:12	
1-3km ESE	Recorded	1	Projectile	S to N	N/K	18-Aug, 22:17	
1-3km ENE	Recorded	3	Projectile	N to S	N/K	18-Aug, 22:19	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:19	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:45	
2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 22:46	
1-3km ENE	Recorded	1	Projectile	N to S	N/K	18-Aug, 22:47	
2-4km E	Recorded	6	Projectile	N to S	N/K	18-Aug, 22:48	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 22:53	

	3-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 22:54	
	2-4km E	Recorded	2	Projectile	N to S	N/K	18-Aug, 22:55	
	3-4km E	Recorded	2	Projectile	S to N	N/K	18-Aug, 22:55	
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 22:59	
	2-4km E	Recorded	5	Projectile	N to S	N/K	18-Aug, 23:09	
	2-4km E	Recorded	1	Projectile	N to S	N/K	18-Aug, 23:13	
	3-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 23:13	
	2-4km E	Recorded	3	Projectile	N to S	N/K	19-Aug, 01:22	
	1-3km NE	Recorded	4	Projectile	N to S	N/K	19-Aug, 01:43	
	2-4km NE	Recorded	7	Projectile	N to S	N/K	19-Aug, 01:53	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km N	Recorded	7	Projectile	W to E	N/K	18-Aug, 21:08	
	1-3km NNE	Recorded	4	Projectile	E to W	N/K	18-Aug, 21:30	
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	18-Aug, 21:31	
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	18-Aug, 21:34	
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:37	
	1-3km NNE	Recorded	1	Projectile	W to E	N/K	18-Aug, 21:37	
	1-3km NNE	Recorded	1	Projectile	E to W	N/K	18-Aug, 21:39	
	1-3km NNE	Recorded	12	Projectile	E to W	N/K	18-Aug, 21:42	
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Aug, 21:45	
	1-3km NNE	Recorded	2	Explosion	Undetermined	N/K	18-Aug, 21:48	
	1-3km NNE	Recorded	11	Projectile	W to E	N/K	18-Aug, 21:54	
	1-3km NNE	Recorded	6	Projectile	W to E	N/K	18-Aug, 21:56	
	1-3km NNE	Recorded	1	Projectile	E to W	N/K	18-Aug, 21:57	
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	18-Aug, 22:36	
	1-3km NNE	Recorded	5	Projectile	W to E	N/K	18-Aug, 22:40	
	1-3km NNE	Recorded	6	Projectile	W to E	N/K	18-Aug, 22:41	
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	18-Aug, 22:42	
	1-3km NNE	Recorded	14	Projectile	W to E	N/K	19-Aug, 00:53	
		1-3km N	Recorded	1	Muzzle flash		N/K	18-Aug, 21:54
	SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km NE	Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 20:16
2-3km E		Recorded	1	Muzzle flash		N/K	18-Aug, 21:20	
3-4km NE		Recorded	1	Illumination flare	In vertical flight	N/K	18-Aug, 22:50	
1-3km NE		Recorded	1	Explosion	Undetermined	N/K	19-Aug, 00:38	
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	E to W	N/K	18-Aug, 21:20	
	1-2km SSE	Recorded	1	Projectile	W to E	N/K	18-Aug, 21:23	
	2-4km SE	Recorded	1	Projectile	E to W	N/K	18-Aug, 21:55	
	2-4km SE	Recorded	1	Projectile	W to E	N/K	18-Aug, 22:01	
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	18-Aug, 22:01	
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	18-Aug, 22:02	
	2-4km S	Recorded	3	Projectile	E to W	N/K	18-Aug, 22:29	
	2-4km S	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 22:29	
	2km S	Recorded	7	Projectile	E to W	N/K	18-Aug, 22:36	
	2km S	Recorded	3	Projectile	E to W	N/K	18-Aug, 22:37	
	2km SSE	Recorded	3	Projectile	E to W	N/K	18-Aug, 22:43	
	2km S	Recorded	3	Projectile	E to W	N/K	18-Aug, 22:47	
	2km SSE	Recorded	1	Projectile	W to E	N/K	18-Aug, 22:49	
	2-4km S	Recorded	1	Projectile	E to W	N/K	18-Aug, 22:49	
	2-4km S	Recorded	2	Projectile	E to W	N/K	18-Aug, 22:51	
	2-4km S	Recorded	1	Projectile	In vertical flight	N/K	18-Aug, 22:51	
	2-4km S	Recorded	2	Projectile	E to W	N/K	18-Aug, 23:16	
	2-4km S	Recorded	2	Projectile	E to W	N/K	18-Aug, 23:18	
	2-4km S	Recorded	2	Projectile	E to W	N/K	18-Aug, 23:19	
	2-4km S	Recorded	1	Projectile	E to W	N/K	18-Aug, 23:32	
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	18-Aug, 23:33	
	2-4km S	Recorded	10	Projectile	N to S	N/K	19-Aug, 00:03	
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 00:03	
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	19-Aug, 00:03	
	2-4km S	Recorded	7	Projectile	E to W	N/K	19-Aug, 00:06	

	2-4km SSE	Recorded	2	Projectile	W to E	N/K	19-Aug, 00:06
	2-4km S	Recorded	4	Projectile	E to W	N/K	19-Aug, 00:07
	2-4km S	Recorded	1	Projectile	W to E	N/K	19-Aug, 00:07
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	19-Aug, 00:07
	2-4km SE	Recorded	1	Projectile	E to W	N/K	19-Aug, 00:19
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	19-Aug, 00:26
	2-4km S	Recorded	4	Projectile	E to W	N/K	19-Aug, 01:26
	2-4km SSE	Recorded	1	Muzzle flash		N/K	19-Aug, 01:26
	2-4km SE	Recorded	1	Projectile	E to W	N/K	19-Aug, 01:26
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	19-Aug, 01:36
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	19-Aug, 03:30
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	2-4km NNW	Recorded	1	Projectile	W to E	N/K	18-Aug, 22:49
	2-4km NNE	Recorded	6	Projectile	E to W	N/K	19-Aug, 00:01
	2-4km NNE	Recorded	7	Projectile	E to W	N/K	19-Aug, 00:37
SMM camera near Prince Igor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	3-5km WSW	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	18-Aug, 22:03
Svitlodarsk (government- controlled, 57km NE of Donetsk)	2-3km SW	Heard	1	Burst		HMG	18-Aug, 21:45
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	18-Aug, 21:45
	5-6km SE	Heard	5	Explosion	Undetermined	N/K	18-Aug, 23:38- 23:40
	2-3km SE	Heard	2	Burst		HMG	18-Aug, 23:46- 23:47
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	19-Aug, 00:11- 00:13
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	19-Aug, 00:20- 00:23
	2-3km SE	Heard	10	Burst		Small arms	19-Aug, 00:25- 00:27
	2-3km SE	Heard	23	Burst		Small arms	19-Aug, 00:45- 00:48
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	19-Aug, 00:50- 00:53
	2-3km SE	Heard	12	Burst		Small arms	19-Aug, 00:50- 00:54
	4-5km S	Heard	6	Explosion	Undetermined	N/K	19-Aug, 00:54- 00:56
	2-3km SE	Heard	8	Burst		Small arms	19-Aug, 00:56- 00:57
	2-3km SE	Heard	7	Burst		Small arms	19-Aug, 01:25- 01:28
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	19-Aug, 04:49- 04:50
	2-3km SE	Heard	6	Burst		N/K	19-Aug, 04:53- 05:00
	4-5km SE	Heard	8	Explosion	Undetermined	N/K	19-Aug, 05:40- 05:44
	2-3km SSE	Heard	2	Burst		HMG	19-Aug, 14:00
	2-3km SSE	Heard	4	Explosion	Undetermined	N/K	19-Aug, 14:02
2-3km SE	Heard	1	Explosion	Undetermined	N/K	19-Aug, 14:06	
Horlivka (non- government- controlled, 39km NE of Donetsk)	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	19-Aug, 11:45
1.1km NW of the railway station in Yasynuvata	2-3km SW	Heard		Burst	Uncountable and overlapping	Small arms	19-Aug, 11:27- 11:28
	2-3km SW	Heard	5	Shot		Small arms	19-Aug, 11:48- 11:53

(non-government-controlled, 16km NE of Donetsk)							
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	1-1.5km NW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	19-Aug. 14:56-14:57

Map of Donetsk and Luhansk regions²



² The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).