

Table of ceasefire violations as of 19 October 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, Time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SSE	Recorded	1	Projectile		N/K	18-Oct, 19:25
	2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 21:34
	2-4km ESE	Recorded	2	Muzzle flash		N/K	18-Oct, 21:35
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 21:49
	2-4km ESE	Recorded	1	Muzzle flash		N/K	18-Oct, 21:50
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	18-Oct, 21:51
	2-4km ESE	Recorded	1	Muzzle flash		N/K	18-Oct, 21:52
	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K	18-Oct, 21:54
	2-4km ESE	Recorded	4	Muzzle flash		N/K	18-Oct, 21:56
	2-4km ESE	Recorded	2	Muzzle flash		N/K	18-Oct, 21:57
	2-4km ESE	Recorded	3	Projectile	NE to SW	N/K	18-Oct, 21:58
	2-4km SE	Recorded	1	Muzzle flash		N/K	18-Oct, 22:04
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:05
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	18-Oct, 22:06
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:14
	2-4km SE	Recorded	1	Muzzle flash		N/K	18-Oct, 22:16
	2-4km SE	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:17
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	19-Oct, 02:04
	3-5km SE	Recorded	3	Projectile	In vertical flight	N/K	19-Oct, 03:50
	SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	3-5km SE	Recorded	14	Projectile	SW to NE	N/K
3-5km SE		Recorded	23	Projectile	SW to NE	N/K	18-Oct, 18:43
3-5km SE		Recorded	8	Projectile	SW to NE	N/K	18-Oct, 18:44
3-5km SE		Recorded	8	Projectile	SW to NE	N/K	18-Oct, 18:45
3-5km SE		Recorded	2	Projectile	SW to NE	N/K	18-Oct, 18:58
3-5km SE		Recorded	31	Projectile	SW to NE	N/K	18-Oct, 19:04
3-5km SE		Recorded	19	Projectile	SW to NE	N/K	18-Oct, 19:12
3-5km SE		Recorded	1	Burst	SW to NE	N/K	18-Oct, 19:12
3-5km SE		Recorded	10	Projectile	SW to NE	N/K	18-Oct, 19:14
3-5km SE		Recorded	3	Projectile	SW to NE	N/K	18-Oct, 19:15
3-5km SE		Recorded	3	Projectile	SW to NE	N/K	18-Oct, 19:36
3-5km SE		Recorded	7	Projectile	SW to NE	N/K	18-Oct, 19:37
3-5km SE		Recorded	1	Projectile	NE to SW	N/K	18-Oct, 19:37
3-5km SE		Recorded	10	Projectile	SW to NE	N/K	18-Oct, 19:38
3-5km SE		Recorded	2	Projectile	NE to SW	N/K	18-Oct, 19:38
3-5km SE		Recorded	8	Projectile	SW to NE	N/K	18-Oct, 19:39
3-5km SE		Recorded	7	Projectile	SW to NE	N/K	18-Oct, 19:40
3-5km SE		Recorded	7	Projectile	SW to NE	N/K	18-Oct, 19:41
3-5km SE		Recorded	15	Projectile	SW to NE	N/K	18-Oct, 19:42
3-5km SE		Recorded	16	Projectile	SW to NE	N/K	18-Oct, 19:43
2-4km S		Recorded	25	Projectile	WNW to ESE	N/K	18-Oct, 19:56
2-4km S		Recorded	18	Projectile	WNW to ESE	N/K	18-Oct, 19:57
2-4km S		Recorded	35	Projectile	WNW to ESE	N/K	18-Oct, 20:18
2-4km S		Recorded	1	Projectile	NW to SE	N/K	18-Oct, 20:22
2-4km S		Recorded	4	Projectile	NW to SE	N/K	18-Oct, 20:23
2-4km S		Recorded	1	Projectile	NW to SE	N/K	18-Oct, 20:24
2-4km S		Recorded	5	Projectile	NW to SE	N/K	18-Oct, 20:26

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.

	2-4km S	Recorded	2	Projectile	WNW to ESE	N/K	18-Oct, 21:38
	2-4km SE	Recorded	1	Projectile	NW to SE	N/K	18-Oct, 21:56
	2-4km SE	Recorded	2	Projectile	NW to SE	N/K	18-Oct, 21:57
	2-4km SE	Recorded	15	Projectile	NW to SE	N/K	18-Oct, 21:58
	2-4km SE	Recorded	2	Projectile	NW to SE	N/K	18-Oct, 21:59
	2-4km SE	Recorded	1	Projectile	NW to SE	N/K	18-Oct, 22:01
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:30
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:38
	2-4km SE	Recorded	10	Projectile	NW to SE	N/K	18-Oct, 22:59
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	19-Oct, 01:08
	2-4km S	Recorded	7	Projectile	WNW to ESE	N/K	19-Oct, 01:48
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	19-Oct, 01:56
	2-4km S	Recorded	9	Projectile	WSW to ENE	N/K	19-Oct, 02:07
	2-4km S	Recorded	10	Projectile	WSW to ENE	N/K	19-Oct, 02:08
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Explosion	Impact	N/K	18-Oct, 21:13
	1-2km SSE	Recorded	2	Burst	E to W	N/K	18-Oct, 21:14
	1-2km SSE	Recorded	4	Projectile	E to W	N/K	18-Oct, 21:14
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 21:14
	1-2km SSW	Recorded	1	Explosion	Impact	N/K	18-Oct, 21:15
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 21:23
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	18-Oct, 21:27
	1-2km SSW	Recorded	2	Explosion	Impact	N/K	18-Oct, 21:32
	1-2km SSW	Recorded	3	Explosion	Impact	N/K	18-Oct, 21:33
	1-2km SSW	Recorded	4	Explosion	Impact	N/K	18-Oct, 21:34
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	18-Oct, 21:35
	1-2km SSW	Recorded	3	Explosion	Impact	N/K	18-Oct, 21:36
	1-2km SSE	Recorded	1	Projectile	NW to SE	N/K	18-Oct, 21:37
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	18-Oct, 21:44
	1-2km SSW	Recorded	15	Muzzle flash		N/K	18-Oct, 21:48
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 21:48
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 21:49
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	18-Oct, 21:50
	1-2km SSW	Recorded	2	Explosion	Impact	N/K	18-Oct, 21:50
	1-2km SSW	Recorded	1	Illumination flare	W to E	N/K	18-Oct, 21:51
	1-2km S	Recorded	3	Projectile	E to W	N/K	18-Oct, 21:54
	1-2km S	Recorded	7	Projectile	W to E	N/K	18-Oct, 21:54
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	18-Oct, 21:56
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	18-Oct, 21:56
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 21:56
	1-2km S	Recorded	3	Projectile	SE to NW	N/K	18-Oct, 21:59
	1-2km S	Recorded	4	Explosion	Impact	N/K	18-Oct, 21:59
	1-2km SSW	Recorded	4	Projectile	W to E	N/K	18-Oct, 22:02
	1-2km SSW	Recorded	11	Projectile	W to E	N/K	18-Oct, 22:04
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 22:04
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	18-Oct, 22:06
	1-2km SSW	Recorded	3	Explosion	Impact	N/K	18-Oct, 22:06
	1-2km S	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:07
	1-2km S	Recorded	3	Explosion	Impact	N/K	18-Oct, 22:07
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	18-Oct, 22:12
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 22:12
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 22:14
	1-2km SSE	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:17
	1-2km S	Recorded	2	Explosion	Impact	N/K	18-Oct, 22:17
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 22:17
1-2km S	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:18	
1-2km SSW	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:20	
1-2km SSW	Recorded	1	Explosion	Impact	N/K	18-Oct, 22:20	
1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 22:21	

	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 22:21	
	1-2km SSW	Recorded	8	Projectile	W to E	N/K	18-Oct, 22:46	
	1-2km SSW	Recorded	3	Explosion	Undetermined	N/K	18-Oct, 22:46	
	1-2km SSW	Recorded	3	Muzzle flash		N/K	18-Oct, 22:46	
	1-2km SSW	Recorded	10	Projectile	W to E	N/K	18-Oct, 22:47	
	1-2km SSW	Recorded	4	Explosion	Undetermined	N/K	18-Oct, 22:47	
	1-2km SSW	Recorded	3	Explosion	Undetermined	N/K	18-Oct, 22:48	
	1-2km SSW	Recorded	4	Projectile	W to E	N/K	18-Oct, 22:49	
	1-2km SSW	Recorded	4	Explosion	Undetermined	N/K	18-Oct, 22:49	
	1-2km S	Recorded	2	Projectile	E to W	N/K	18-Oct, 22:51	
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	18-Oct, 22:52	
	1-2km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:52	
	1-2km SSW	Recorded	5	Projectile	W to E	N/K	18-Oct, 22:55	
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	18-Oct, 22:55	
	1-2km SSW	Recorded	4	Explosion	Undetermined	N/K	18-Oct, 22:55	
	1-2km SSW	Recorded	5	Projectile	W to E	N/K	18-Oct, 22:56	
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 22:56	
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	18-Oct, 23:01	
	1-2km SSE	Recorded	1	Explosion	Impact	N/K	18-Oct, 23:01	
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	19-Oct, 02:21	
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	19-Oct, 03:20	
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	19-Oct, 03:32	
	2-4km SSW	Recorded	4	Projectile	W to E	N/K	19-Oct, 03:35	
	2-4km SSW	Recorded	15	Projectile	W to E	N/K	19-Oct, 03:50	
	2-4km SSW	Recorded	2	Projectile	W to E	N/K	19-Oct, 03:58	
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	19-Oct, 04:08	
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Oct, 04:09	
	2-4km SSW	Recorded	2	Projectile	W to E	N/K	19-Oct, 05:30	
SMM camera 1.5km NE of Hnutove (government- controlled, 20km NE of Mariupol)	3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 18:32	
	3-4km ESE	Recorded	56	Projectile	S to N	N/K	18-Oct, 18:42	
	3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 18:42	
	3-4km ESE	Recorded	4	Projectile	S to N	N/K	18-Oct, 18:55	
	3-4km ESE	Recorded	3	Explosion	Impact	N/K	18-Oct, 18:55	
	3-4km ESE	Recorded	2	Projectile	N to S	N/K	18-Oct, 19:01	
	3-4km ENE	Recorded	12	Projectile	N to S	N/K	18-Oct, 19:14	
	3-4km ENE	Recorded	1	Explosion	Impact	N/K	18-Oct, 19:14	
	3-4km ENE	Recorded	6	Projectile	N to S	N/K	18-Oct, 19:15	
	3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:15	
	3-4km ENE	Recorded	7	Projectile	N to S	N/K	18-Oct, 19:16	
	3-4km ENE	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 19:16	
	3-4km ESE	Recorded	23	Projectile	SW to NE	N/K	18-Oct, 19:18	
	3-4km ENE	Recorded	25	Projectile	SW to NE	N/K	18-Oct, 19:18	
	3-4km ESE	Recorded	7	Projectile	SW to NE	N/K	18-Oct, 19:19	
	3-4km ESE	Recorded	4	Projectile	SW to NE	N/K	18-Oct, 19:20	
	3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:20	
	3-4km ENE	Recorded	18	Projectile	N to S	N/K	18-Oct, 19:25	
	3-4km ENE	Recorded	2	Projectile	S to N	N/K	18-Oct, 19:26	
	3-4km ENE	Recorded	11	Projectile	N to S	N/K	18-Oct, 19:26	
	3-4km ENE	Recorded	13	Projectile	N to S	N/K	18-Oct, 19:28	
	3-4km ESE	Recorded	12	Projectile	SW to NE	N/K	18-Oct, 19:30	
	3-4km ESE	Recorded	12	Projectile	SW to NE	N/K	18-Oct, 19:31	
		3-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	18-Oct, 19:31
		3-4km ESE	Recorded	2	Explosion	Impact	N/K	18-Oct, 19:31
		3-4km ESE	Recorded	4	Projectile	SW to NE	N/K	18-Oct, 19:33
		3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:33
		3-4km ESE	Recorded	1	Projectile	NNE to SSW	N/K	18-Oct, 19:33
		3-4km ESE	Recorded	1	Projectile	SW to NE	N/K	18-Oct, 19:36

3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:39
3-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	18-Oct, 19:40
3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:40
3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:40
3-4km ESE	Recorded	11	Projectile	SW to NE	N/K	18-Oct, 19:40
3-4km ESE	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 19:41
3-4km ESE	Recorded	1	Projectile	SW to NE	N/K	18-Oct, 19:42
3-4km ENE	Recorded	1	Projectile	NW to SE	N/K	18-Oct, 19:42
3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:42
3-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:42
3-4km ESE	Recorded	5	Projectile	NW to SE	N/K	18-Oct, 19:43
3-4km ENE	Recorded	2	Projectile	SW to NE	N/K	18-Oct, 19:43
3-4km ESE	Recorded	2	Projectile	SW to NE	N/K	18-Oct, 19:45
3-4km ESE	Recorded	8	Projectile	NW to SE	N/K	18-Oct, 19:51
2-4km ESE	Recorded	6	Projectile	S to N	N/K	18-Oct, 19:54
2-4km ESE	Recorded	20	Projectile	S to N	N/K	18-Oct, 19:55
2-4km ESE	Recorded	9	Projectile	N to S	N/K	18-Oct, 19:55
2-4km ESE	Recorded	8	Projectile	S to N	N/K	18-Oct, 19:56
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:56
2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Oct, 19:57
2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	18-Oct, 20:01
2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 20:01
2-4km ESE	Recorded	7	Projectile	SW to NE	N/K	18-Oct, 20:02
2-4km ESE	Recorded	7	Projectile	SW to NE	N/K	18-Oct, 20:04
2-4km E	Recorded	1	Projectile	S to N	N/K	18-Oct, 20:04
2-4km ENE	Recorded	3	Projectile	S to N	N/K	18-Oct, 20:05
2-4km E	Recorded	3	Projectile	N to S	N/K	18-Oct, 20:09
2-4km ESE	Recorded	11	Projectile	S to N	N/K	18-Oct, 20:19
2-4km ESE	Recorded	19	Projectile	S to N	N/K	18-Oct, 20:20
2-4km E	Recorded	3	Projectile	S to N	N/K	18-Oct, 20:27
2-4km E	Recorded	1	Projectile	N to S	N/K	18-Oct, 20:27
2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Oct, 20:29
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 20:31
4-6km E	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 20:31
2-4km E	Recorded	1	Projectile	N to S	N/K	18-Oct, 20:31
2-4km ENE	Recorded	5	Projectile	N to S	N/K	18-Oct, 20:55
2-4km E	Recorded	2	Projectile	S to N	N/K	18-Oct, 20:57
2-4km E	Recorded	2	Projectile	In vertical flight	N/K	18-Oct, 20:57
2-4km E	Recorded	1	Projectile	N to S	N/K	18-Oct, 20:58
2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 20:58
2-4km E	Recorded	1	Projectile	N to S	N/K	18-Oct, 21:00
2-4km E	Recorded	1	Projectile	S to N	N/K	18-Oct, 21:00
2-4km E	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 21:00
2-4km ENE	Recorded	1	Projectile	S to N	N/K	18-Oct, 21:12
2-4km ESE	Recorded	3	Projectile	S to N	N/K	18-Oct, 21:18
2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 21:24
4-6km E	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 21:26
2-4km ENE	Recorded	1	Burst	S to N	N/K	18-Oct, 21:40
2-4km E	Recorded	1	Projectile	N to S	N/K	18-Oct, 21:44
2-4km E	Recorded	1	Projectile	S to N	N/K	18-Oct, 21:45
2-4km ESE	Recorded	2	Projectile	S to N	N/K	18-Oct, 21:55
2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Oct, 21:56
2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Oct, 21:59
2-4km E	Recorded	2	Projectile	N to S	N/K	18-Oct, 22:00
2-4km E	Recorded	2	Projectile	In vertical flight	N/K	18-Oct, 22:00
2-4km E	Recorded	5	Projectile	N to S	N/K	18-Oct, 22:09

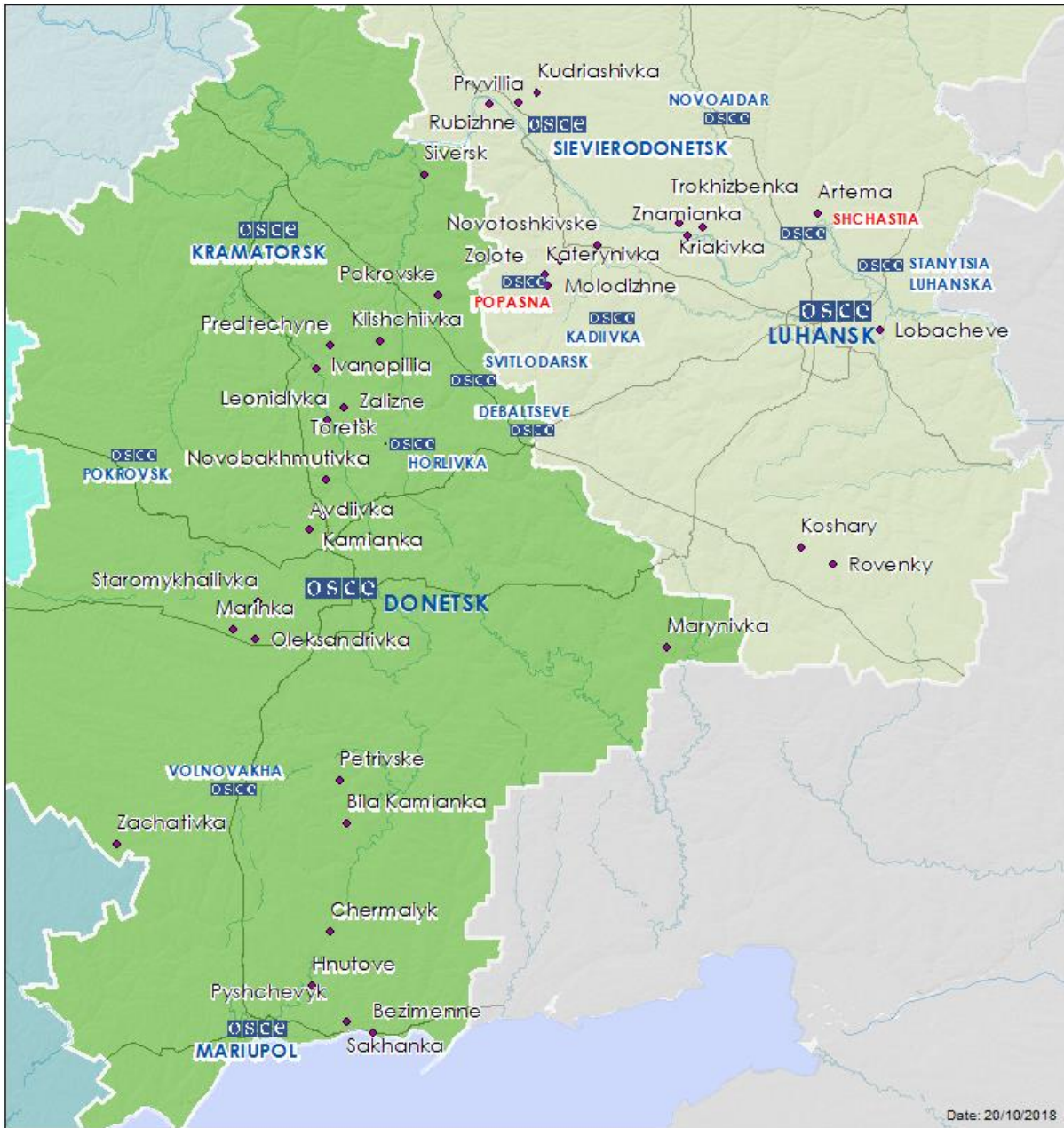
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	18-Oct, 22:51
	2-4km E	Recorded	4	Projectile	S to N	N/K	18-Oct, 22:54
	2-4km E	Recorded	2	Projectile	N to S	N/K	18-Oct, 22:54
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	18-Oct, 23:20
	2-4km E	Recorded	1	Projectile	N to S	N/K	19-Oct, 02:33
	2-4km E	Recorded	2	Muzzle flash		N/K	19-Oct, 02:33
	2-4km E	Recorded	6	Projectile	N to S	N/K	19-Oct, 02:34
	2-4km E	Recorded	1	Projectile	S to N	N/K	19-Oct, 02:34
	2-4km E	Recorded	2	Projectile	N to S	N/K	19-Oct, 02:41
	2-4km ENE	Recorded	5	Projectile	S to N	N/K	19-Oct, 02:48
	2-4km E	Recorded	2	Projectile	S to N	N/K	19-Oct, 04:40
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 05:07
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 05:17
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	19-Oct, 05:19
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	19-Oct, 05:23
	2-4km ENE	Recorded	9	Projectile	S to N	N/K	19-Oct, 05:23
	2-4km E	Recorded	1	Projectile	N to S	N/K	19-Oct, 05:29
	2-4km ENE	Recorded	9	Projectile	N to S	N/K	19-Oct, 05:39
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km ESE	Recorded	1	Projectile	N to S	N/K	18-Oct, 20:19
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	18-Oct, 20:23
	2-4km ESE	Recorded	1	Projectile	ENE to WSW	N/K	18-Oct, 20:25
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	18-Oct, 20:37
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	18-Oct, 21:58
	2-4km ESE	Recorded	5	Projectile	N to S	N/K	18-Oct, 22:55
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 23:50
	2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	19-Oct, 00:00
	2-4km ESE	Recorded	5	Projectile	SW to NE	N/K	19-Oct, 00:01
	2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	19-Oct, 00:06
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	19-Oct, 00:12
	2-4km ESE	Recorded	5	Projectile	W to E	N/K	19-Oct, 00:12
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	19-Oct, 00:15
	2-4km ESE	Recorded	8	Projectile	N to S	N/K	19-Oct, 00:16
	2-4km ESE	Recorded	4	Projectile	W to E	N/K	19-Oct, 00:16
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	19-Oct, 00:17
	2-4km ESE	Recorded	5	Projectile	N to S	N/K	19-Oct, 00:18
	2-4km ESE	Recorded	3	Projectile	W to E	N/K	19-Oct, 00:18
	2-4km ESE	Recorded	1	Projectile	W to E	N/K	19-Oct, 00:19
	2-4km ESE	Recorded	8	Projectile	W to E	N/K	19-Oct, 00:20
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	19-Oct, 00:20
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	19-Oct, 00:20
	2-4km ESE	Recorded	4	Projectile	NE to SW	N/K	19-Oct, 00:30
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Projectile	W to E	N/K	19-Oct, 00:48
	2-4km SSW	Recorded	1	Muzzle flash		N/K	19-Oct, 00:48
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Oct, 03:13
1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Oct, 05:13	
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	13	Projectile	NW to SE	N/K	18-Oct, 22:14
	2-4km ENE	Recorded	3	Projectile	SE to NW	N/K	18-Oct, 22:14
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 23:47
	2-4km ENE	Recorded	4	Projectile	SE to NW	N/K	18-Oct, 23:47
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	1	Projectile	S to N	N/K	18-Oct, 20:02
	2-4km ENE	Recorded	2	Explosion	Impact	N/K	18-Oct, 20:02
	2-4km ENE	Recorded	1	Illumination flare	N to S	N/K	18-Oct, 20:03
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	18-Oct, 21:13
SMM camera at entry-exit	2-4km S	Recorded	2	Projectile	N to S	N/K	18-Oct, 18:42
	2-4km S	Recorded	7	Projectile	E to W	N/K	18-Oct, 18:42

checkpoint in Pyshtchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 18:57
	2-4km S	Recorded	28	Projectile	NE to SW	N/K	18-Oct, 18:57
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 18:58
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 19:03
	3-5km S	Recorded	2	Projectile	E to W	N/K	18-Oct, 19:25
	3-5km S	Recorded	1	Illumination flare	In vertical flight	N/K	18-Oct, 19:40
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 22:27
	2-4km S	Recorded	1	Projectile	E to W	N/K	18-Oct, 22:27
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	1	Projectile	S to N	N/K	18-Oct, 20:28
	2-4km E	Recorded	1	Projectile	S to N	N/K	18-Oct, 22:10
Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-8km WNW	Heard	8	Explosion	Undetermined	N/K	18-Oct, 21:25-21:33
	5-8km WNW	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:39
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard		Shot	Uncountable shots	Small arms	19-Oct, 09:27-09:30
	1-2km SE	Heard		Shot	Uncountable shots	Small arms	19-Oct, 09:42-09:47
	1km SE	Heard	22	Shot		Small arms	19-Oct, 10:04-10:05
	1-2km SE	Heard	52	Shot		Small arms	19-Oct, 10:49-10:53
	1-2km SE	Heard	12	Shot		Small arms	19-Oct, 11:08
	1km SE	Heard	14	Shot		Small arms	19-Oct, 11:23
	1-2km SE	Heard	30	Shot		Small arms	19-Oct, 12:13
	1-2km SSE	Heard	13	Explosion	Undetermined	N/K	19-Oct, 12:39-12:56
	0.5km SSE	Heard and saw	1	Explosion	Airburst	N/K	19-Oct, 12:50
	1-2km SSE	Heard	35	Shot		Small arms	19-Oct, 13:07
	1km SE	Heard	40	Shot		Small arms	19-Oct, 13:11-13:12
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 14:26
1.1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:05
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:32
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:10
	2km W	Heard	10	Burst		Small arms	19-Oct, 10:20
	15-20km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 10:35
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:57
	10km SE	Heard	5	Explosion	Undetermined	N/K	19-Oct, 11:20-11:34
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	19-Oct, 11:57-12:15
	3-4km SW	Heard	18	Explosion	Undetermined	N/K	19-Oct, 13:20-13:36
3-4km SW	Heard	1	explosion	Undetermined	N/K	19-Oct, 14:28	
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:32
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:36
Krasnohorivka (government-controlled, 21km W of Donetsk)	0.5-0.7km SE	Heard	7	Burst		Small arms	19-Oct, 10:52
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 11:22
	0.5-0.7km E	Heard	2	Shot		Small arms	19-Oct, 12:37-12:42
2.5km SSE of Lomakyne	3-5km E	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:31
	4-6km NNE	Heard	5	Explosion	Undetermined	N/K	19-Oct, 13:42-

(government-controlled, 15km NE of Mariupol)							13:47
2km SE of Lebedynske (government controlled, 16km NE of Mariupol)	4-7km N	Heard	2	Explosion	Undetermined	Small arms	19-Oct, 12:57
1 km NNW of the entry-exit checkpoint at Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-3km NNE	Heard and saw	1	Explosion	Impact	N/K	19-Oct, 14:24
	2-3km NNE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 14:28
	2-3km NNE	Heard	1	Burst		Small arms	19-Oct, 14:32
NW edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km SE	Heard	56	Shot		Small arms	19-Oct, 13:33-13:40
	4-5km SW	Heard	12	Explosion	Undetermined	N/K	19-Oct, 13:43-13:55
	1-2km SE	Heard	52	Shot		Small arms	19-Oct, 13:58-14:10
	2-3km SE	Heard	2	Explosion		N/K	19-Oct, 14:35
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	4	Burst		HMG	18-Oct, 20:20
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 20:22
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 20:55
	5-6km E	Heard	4	Burst		HMG	18-Oct, 21:04
	5-6km E	Heard	31	Explosion	Undetermined	N/K	18-Oct, 21:04-21:05
	4-5km E	Heard	4	Burst		HMG	18-Oct, 21:05
	5-6km E	Heard	11	Explosion	Undetermined	N/K	18-Oct, 21:11
	4-5km E	Heard	3	Burst		Small arms	18-Oct, 21:13
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 21:29
	5-6km SE	Heard	18	Burst	Undetermined	HMG	18-Oct, 21:32
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 21:35
	4-5km SE	Heard	4	Burst		HMG	18-Oct, 21:35
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 20:42
	2-3km SE	Heard	8	Burst		HMG	18-Oct, 22:05
	3-4km SE	Heard	3	Burst		HMG	18-Oct, 23:22
	2-3km SE	Heard	4	Burst		HMG	18-Oct, 23:55
	3-4km SE	Heard	4	Burst		HMG	19-Oct, 08:44
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:02
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	19-Oct, 09:50
	3-4km SE	Heard	8	Burst		HMG	19-Oct, 10:02
	3-4km ESE	Heard	10	Shot		Small arms	19-Oct, 10:03
	3-4km SE	Heard	12	Burst		HMG	19-Oct, 10:05
	2-3km SE	Heard	3	Explosion	Undetermined	N/K	19-Oct, 10:26
	3-4km E	Heard	2	Explosion	Undetermined	N/K	19-Oct, 12:01
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	19-Oct, 13:38
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 14:45
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	19-Oct, 15:40
	3-4km SE	Heard	11	Burst		HMG	19-Oct, 16:00
	4-5km ESE	Heard	6	Explosion		HMG	19-Oct, 16:10
	4-5km SSE	Heard	5	Explosion	Undetermined	N/K	19-Oct, 16:15
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	19-Oct, 17:59
	3-4km SE	Heard	8	Explosion	Undetermined	N/K	19-Oct, 18:00-18:05
3-4km SE	Heard	13	Burst		HMG	19-Oct, 18:07-18:15	
3-4km	Heard	30	Burst		HMG	19-Oct, 18:20-18:25	
1.6km SSE of Kamianka	2km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 09:00
	1km SW	Heard	1	Shot		Small arms	19-Oct, 09:10

(government-controlled, 20km N of Donetsk)	2-3km SW	Heard	115	Burst		Small arms	19-Oct, 09:20-09:35
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	19-Oct, 09:40
	2-3km SW	Heard	15	Burst		HMG	19-Oct, 09:45
	2-3km SW	Heard	5	Explosion	Undetermined	N/K	19-Oct, 09:48
	2-3km SW	Heard	6	Burst		HMG	19-Oct, 09:55
	2km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 10:21
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	19-Oct, 10:55
	3-4km SW	Heard	5	Shot		Small arms	19-Oct, 10:56
	2-3km SW	Heard	11	Shot		Small arms	19-Oct, 11:48
	2-3km SE	Heard	11	Burst		Small arms	19-Oct, 12:14
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	19-Oct, 12:15
	2-3km SE	Heard	8	Burst		Small arms	19-Oct, 12:21
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	19-Oct, 12:45-12:48
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	19-Oct, 12:55
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	3-5km WSW	Heard	11	Explosion		N/K	19-Oct, 10:25-10:37
NE edge of Obozne (non-government-controlled, 18km N of Luhansk)	1.5-2.5km NE	Heard	34	Shot and burst		Small arms	19-Oct, 10:47-10:50
Trokhizbenka (government-controlled, 32km NW of Luhansk)	2km ENE	Heard	50	Shot		Small arms	19-Oct, 11:15-11:30
	2km ENE	Heard	2	Burst		Small arms	19-Oct, 11:15-11:30
	2km ENE	Heard	28	Shot		Small arms	19-Oct, 11:43-11:48
1.5km NE of Kriakivka (government-controlled, 38km NW of Luhansk)	1-2km ESE	Heard	10	Burst		Small arms	19-Oct, 11:25-11:30
	1-2km ESE	Heard	5	Shot		Small arms	19-Oct, 11:25-11:30

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).