

**Table of ceasefire violations as of 30 October 2018<sup>1</sup>**

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	4	Explosion	Undetermined	N/K	29-Oct, 22:37	
	3-5km SSE	Recorded	1	Projectile	WNW to ESE	N/K	29-Oct, 22:37	
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 18:30	
	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 18:55	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 18:55	
	2-4km SE	Recorded	1	Explosion	Impact	N/K	29-Oct, 18:55	
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 18:58	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 18:58	
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	29-Oct, 19:00	
	2-4km SE	Recorded	1	Explosion	Impact	N/K	29-Oct, 19:00	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:01	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:02	
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:02	
	2-4km SE	Recorded	1	Explosion	Impact	N/K	29-Oct, 19:02	
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:07	
	2-4km SE	Recorded	1	Muzzle flash		N/K	29-Oct, 19:07	
	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 19:08	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:08	
	2-4km SE	Recorded	2	Explosion	Impact	N/K	29-Oct, 19:08	
	2-4km SSW	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:19	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:20	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:20	
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:20	
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	29-Oct, 19:31	
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:31	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:31	
	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 19:32	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:32	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:33	
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 19:38	
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:40	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:41	
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	29-Oct, 19:41	
	2-4km SE	Recorded	8	Projectile	SW to NE	N/K	29-Oct, 19:42	
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	29-Oct, 19:43	
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	29-Oct, 19:44	
	2-4km SE	Recorded	1		Illumination flare	in vertical flight	N/K	29-Oct, 19:45
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 19:45	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:45	
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	29-Oct, 19:45	
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 19:47	
	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	29-Oct, 19:48	
2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	30-Oct, 01:25		
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 17:45	
	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 17:49	
	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 17:55	
	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	29-Oct, 18:01	
	4-6km SSW	Recorded	7	Explosion	Undetermined	N/K	29-Oct, 18:49	
2-4km SE	Recorded	1	Explosion	Airburst	N/K	29-Oct, 19:52		

<sup>1</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.

	2-3km SW	Recorded	3	Projectile	NE to SW	N/K	29-Oct, 20:41
	2-3km SW	Recorded	1	Illumination flare	In vertical flight	N/K	29-Oct, 21:01
	2-3km SSW	Recorded	4	Projectile	NE to SW	N/K	29-Oct, 21:42
	2-3km SSW	Recorded	2	Projectile	NNE to SSW	N/K	29-Oct, 21:42
	2-3km SW	Recorded	1	Projectile	NW to SE	N/K	29-Oct, 22:33
	2-3km SW	Recorded	1	Projectile	NW to SE	N/K	29-Oct, 22:34
	2-3km SW	Recorded	1	Projectile	NNW to SSE	N/K	29-Oct, 22:34
	2-3km SW	Recorded	1	Projectile	NNW to SSE	N/K	30-Oct, 02:30
	2-3km SW	Recorded	1	Projectile	NW to SE	N/K	30-Oct, 02:31
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km E	Recorded	5	Projectile	N to S	N/K	30-Oct, 00:12
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	30-Oct, 00:35
	3-5km ENE	Recorded	10	Projectile	S to N	N/K	30-Oct, 00:42
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	30-Oct, 00:51
	3-5km E	Recorded	2	Projectile	SW to NE	N/K	30-Oct, 01:09
	3-5km ENE	Recorded	3	Projectile	S to N	N/K	30-Oct, 01:09
	3-5km E	Recorded	1	Illumination flare	In vertical flight	N/K	30-Oct, 01:09
	3-5km E	Recorded	2	Projectile	N to S	N/K	30-Oct, 01:10
	3-5km ESE	Recorded	1	Muzzle flash		N/K	30-Oct, 01:30
	1-2km E	Recorded	1	Projectile	SW to NE	N/K	29-Oct, 18:19
1-2km E	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 18:20	
1-2km NE	Recorded	1	Projectile	NE to SW	N/K	29-Oct, 18:23	
1-2km NE	Recorded	4	Projectile	NE to SW	N/K	29-Oct, 18:33	
1-2km E	Recorded	3	Projectile	WSW to ENE	N/K	29-Oct, 18:43	
1-2km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:10	
1-2km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:17	
2-4km ENE	Recorded	6	Projectile	N to S	N/K	29-Oct, 19:28	
2-4km ENE	Recorded	3	Projectile	N to S	N/K	29-Oct, 19:29	
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 19:40	
3-5km E	Recorded	17	Explosion	Undetermined	N/K	29-Oct, 22:05	
3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 01:04	
3-5km E	Recorded	1	Projectile	S to N	N/K	30-Oct, 01:47	
3-5km E	Recorded	1	Projectile	S to N	N/K	30-Oct, 01:54	
3-5km E	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 01:54	
3-5km NE	Recorded	1	Projectile	WNW to ESE	N/K	30-Oct, 01:54	
3-5km NE	Recorded	2	Projectile	WNW to ESE	N/K	30-Oct, 02:01	
3-5km E	Recorded	1	Projectile	WNW to ESE	N/K	30-Oct, 02:15	
3-5km NE	Recorded	1	Projectile	WNW to ESE	N/K	30-Oct, 02:15	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km NNE	Recorded	12	Projectile	ESE to WNW	N/K	29-Oct, 20:30
	2-4km NNE	Recorded	3	Projectile	ESE to WNW	N/K	29-Oct, 20:39
	2-4km N	Recorded	2	Projectile	W to E	N/K	29-Oct, 20:49
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	29-Oct, 20:51
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	29-Oct, 20:52
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 20:57
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	29-Oct, 20:57
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	29-Oct, 20:59
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	29-Oct, 21:13
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	29-Oct, 21:14
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	29-Oct, 21:15
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	29-Oct, 21:16
	2-4km N	Recorded	1	Projectile	W to E	N/K	29-Oct, 21:27
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	29-Oct, 21:27
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	29-Oct, 21:37
	2-4km N	Recorded	1	Projectile	E to W	N/K	29-Oct, 22:12
	2-4km N	Recorded	3	Projectile	ESE to WNW	N/K	29-Oct, 22:18
	2-4km N	Recorded	1	Projectile	E to W	N/K	29-Oct, 23:05
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	29-Oct, 23:05
	2-4km N	Recorded	1	Projectile	E to W	N/K	30-Oct, 02:22
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled,	2-4km SSE	Recorded	6	Projectile	WNW to ESE	N/K	30-Oct, 02:21
	2-4km SSE	Recorded	5	Projectile	WNW to ESE	N/K	30-Oct, 02:26

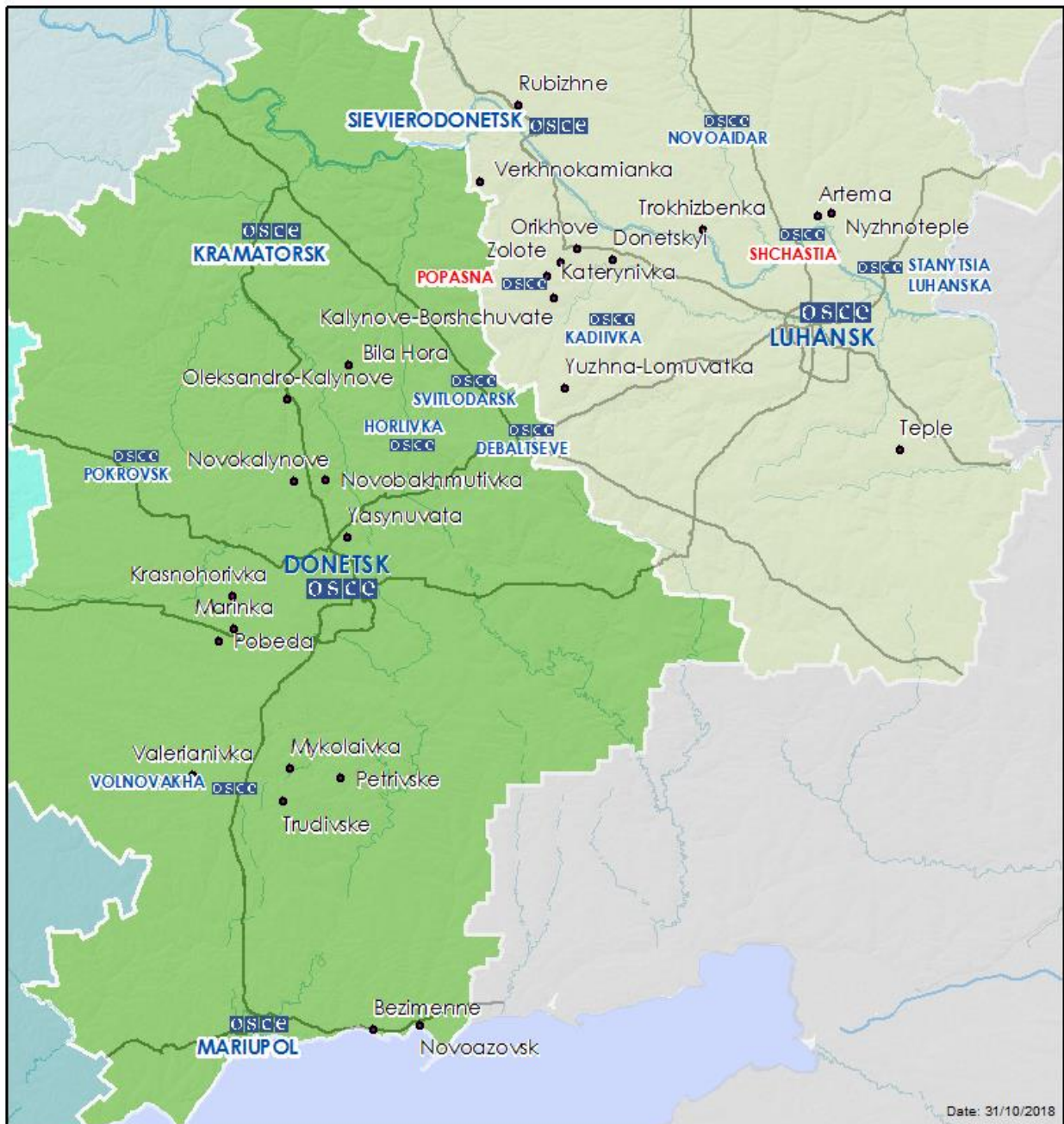
25km NE of Mariupol)							
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-7km ENE	Recorded	13	Projectile	NW to SE	N/K	30-Oct, 00:53
	2-7km ENE	Recorded	14	Projectile	NW to SE	N/K	30-Oct, 00:54
	3-6km NNE	Heard	1	Explosion	Undetermined	N/K	29-Oct, 17:54
	3-6km NNE	Heard	2	Explosion	Undetermined	N/K	29-Oct, 18:09
	3-6km NNE	Heard	4	Explosion	Undetermined	N/K	29-Oct, 18:11-18:17
	3-6km NNE	Heard	6	Explosion	Undetermined	N/K	29-Oct, 20:03-20:20
	3-6km NNE	Heard	1	Explosion	Undetermined	N/K	29-Oct, 20:33
	3-6km NNE	Heard	13	Explosion	Undetermined	N/K	29-Oct, 21:00-21:33
	3-6km NNE	Heard	1	Explosion	Undetermined	N/K	29-Oct, 21:48
Debaltseve (non-government-controlled, 58km NE of Donetsk)	3-6km NNE	Heard	13	Explosion	Undetermined	N/K	29-Oct, 22:12-22:23
	3-6km NNE	Heard	2	Explosion	Undetermined	N/K	29-Oct, 23:06
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 08:24
	3-5km E	Heard	4	Explosion	Undetermined	N/K	30-Oct, 09:10-09:22
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 09:23-09:28
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:45
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	30-Oct, 10:30-10:40
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	30-Oct, 12:13-12:30
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Heard	Uncountable	Shot and burst	Uncountable, overlapping	Small arms	30-Oct, 12:35-12:43
	0.8-1km SE	Heard	10	Shot		Small arms	30-Oct, 11:27
	0.5-0.8km E	Heard	15	Shot		Small arms	30-Oct, 11:50
	0.5-0.8km E	Heard	13	Burst		Small arms	30-Oct, 11:53
	0.5-0.8km E	Heard	9	Shot		Small arms	30-Oct, 12:07
	0.5-0.8km E	Heard	3	Burst		Small arms	30-Oct, 12:31
	0.5-0.8km E	Heard	5	Shot		Small arms	30-Oct, 12:31
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-3km SSW	Heard	5	Shot		HMG	30-Oct, 09:53
	2-3km SSW	Heard	4	Burst		HMG	30-Oct, 10:00
	2-3km SW	Heard	4	Burst		Small arms	30-Oct, 11:39
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	1-2km WSW	Heard	3	Shot		Small arms	30-Oct, 08:09
	3-4km S	Heard	2	Burst		Small arms	30-Oct, 08:10
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 08:10
	1-2km SW	Heard	12	Shot		Small arms	30-Oct, 08:12
	1-2km N	Heard	4	Explosion	Undetermined	N/K	30-Oct, 08:12
	2-3km N	Heard	38	Explosion	Undetermined	N/K	30-Oct, 08:14-08:17
	1-2km NW	Heard	4	Shot		Small arms	30-Oct, 08:17
	1-2km NW	Heard	2	Burst		HMG	30-Oct, 08:17
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 08:18
	3-5km N	Heard	63	Explosion	Undetermined	N/K	30-Oct, 08:22-08:23
	4-5km NW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 08:34
	1km W	Heard	6	Shot		Small arms	30-Oct, 08:55-09:00
	2-3km N	Heard	1	Explosion	Impact	N/K	30-Oct, 09:03
	1-2km SW	Heard	4	Burst		Small arms	30-Oct, 09:06
	1-2km SW	Heard	1	Shot		Small arms	30-Oct, 09:06
	2km NNW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 09:07
	1-2km SW	Heard	3	Burst		HMG	30-Oct, 09:09
	1-2km SW	Heard	2	Shot		Small arms	30-Oct, 09:09
	4-5km NNW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:10
	1-2km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:18
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NW	Heard	1	Explosion	Impact	N/K	30-Oct, 09:20

	2km SW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 09:22
	2km SSW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:23
	1-2km SW	Heard	2	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 09:28-09:44
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:45
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:45
	4-5km WSW	Heard	5	Explosion	Undetermined	N/K	30-Oct, 10:20-10:21
	1-2km NW	Heard	1	Shot		Small arms	30-Oct, 10:23
	1-2km SW	Heard	1	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 10:30
	1km SW	Heard	3	Shot		Small arms	30-Oct, 10:38
	1-2km SW	Heard	1	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 10:40
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 10:55
	4-5km N	Heard	3	Explosion	Undetermined	N/K	30-Oct, 11:02
	2-3km SW	Heard	1	Shot		Small arms	30-Oct, 11:16
	3-4km SW	Heard and saw	2	Explosion	Impact	N/K	30-Oct, 11:19
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 11:20-11:21
	4-5km SW	Heard	6	Explosion	Undetermined	N/K	30-Oct, 11:25-11:31
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 11:32
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 11:33
	2-3km SW	Heard	8	Shot		Small arms	30-Oct, 11:38
	2-3km SW	Heard	2	Burst		Small arms	30-Oct, 11:38
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 11:38
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 11:39
	4-5km WNW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 11:42
	0.3km WNW	Heard and saw	1	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 12:12
	3-4km SW	Heard	1	Explosion	Impact	Mortar (type N/K)	30-Oct, 12:12
	1-2km SW	Heard	4	Shot		Small arms	30-Oct, 12:20
	1-2km SW	Heard	2	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 12:24
	1km SW	Heard	13	Shot		Small arms	30-Oct, 12:27
	4-5km NW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 12:38
	2-3km WSW	Heard	4	Explosion	Impact	N/K	30-Oct, 12:29
	1-2km WSW	Heard	Uncountable	Burst	Uncountable, overlapping	Small arms	30-Oct, 12:28-12:32
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 12:32
	1-2km SW	Heard	Uncountable	Burst	Uncountable, overlapping	Small arms	30-Oct, 12:33-12:35
	1-2km SW	Heard	Uncountable	Shots and bursts	uncountable, overlapping	Small arms	30-Oct, 12:36-12:41
	2-3km WSW	Heard	1	Explosion	Impact	N/K	30-Oct, 12:41
	0.3km NW	Heard and saw	1	Explosion	Outgoing	Mortar (type N/K)	30-Oct, 13:26
	2-3km NW	Heard	1	Burst		AGL	30-Oct, 13:32
1km NNW of entry-exit checkpoint near Pyshchevyk (government-controlled, 25km NE of Mariupol)	3km SSE	Heard	3	Explosion	Undetermined	N/K	30-Oct, 09:16-09:17
	N/K SSE	Heard	3	Burst		HMG	30-Oct, 09:46
2km SW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	1	Burst		HMG	30-Oct, 14:16
	N/K NE	Heard	1	Explosion	Undetermined	N/K	30-Oct, 14:23
1.7km ENE Kulykove (non-government-controlled, 30km NE of Mariupol)	5km SW	Heard	1	Explosion	Undetermined	N/K	30-Oct, 13:31
Talakovka (government-	1-2km E	Heard	2	Explosion	Undetermined	N/K	30-Oct,

controlled, 17km NE of Mariupol)							09:16-09:17
2.3km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K N	Heard	4	Burst		Small arms	30-Oct, 12:04
	N/K NE	Heard	1	Shot		Small arms	30-Oct, 12:12-12:22
	N/K NE	Heard	1	Burst		Small arms	30-Oct, 12:12-12:22
	N/K E	Heard	1	Explosion	Undetermined	N/K	30-Oct, 12:12-12:22
	N/K NE	Heard	9	Burst		Small arms	30-Oct, 12:29
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km S	Heard	15	Explosion	Undetermined	N/K	29-Oct, 18:30-19:00
	3-5km SSE	Heard	6	Explosion	Undetermined	N/K	29-Oct, 18:30-19:00
	3-5km S	Heard	16	Burst		HMG	29-Oct, 18:30-19:00
	3-5km SSE	Heard	21	Burst		HMG	29-Oct, 18:30-19:00
	3-5km S	Heard	20	Shot		Small arms	29-Oct, 18:30-19:00
	3-5km S	Heard	2	Explosion	Undetermined	N/K	29-Oct, 19:05
	3-5km SSE	Heard	4	Burst		HMG	29-Oct, 19:00-19:30
	3-5km S	Heard	8	Burst		HMG	29-Oct, 19:50
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	29-Oct, 19:55
	5-8km S	Heard	1	Explosion	Undetermined	N/K	29-Oct, 19:58
	3-5km S	Heard	1	Explosion	Undetermined	N/K	29-Oct, 20:35
	3-5km S	Heard	1	Explosion	Undetermined	N/K	29-Oct, 20:45
	3-5km S	Heard	9	Shot		HMG	29-Oct, 20:45-21:00
	3-5km S	Heard	15	Shot		Small arms	29-Oct, 20:45-21:00
	3-5km S	Heard	8	Explosion	Undetermined	N/K	29-Oct, 20:45-21:00
	5-8km SSE	Heard	2	Explosion	Undetermined	N/K	29-Oct, 20:45-21:00
	3-5km S	Heard	63	Shot		Small arms	29-Oct, 21:20-21:45
	3-5km S	Heard	9	Burst		HMG	29-Oct, 21:20-21:45
	3-5km S	Heard	8	Explosion	Undetermined	N/K	29-Oct, 21:20-21:45
	5-8km SSE	Heard	4	Explosion	Undetermined	N/K	29-Oct, 21:20-21:45
	3-5km S	Heard	17	Explosion	Undetermined	N/K	29-Oct, 22:05-22:20
	5-8km SSE	Heard	4	Burst	Undetermined	HMG	29-Oct, 22:15
	5-8km S	Heard	5	Burst	Undetermined	HMG	29-Oct, 23:42
	3-5km SE	Heard	2	Explosion		N/K	30-Oct, 12:18
	3-5km SE	Heard	7	Burst		HMG	30-Oct, 14:35
	3-5km SE	Heard	130	Burst		HMG	30-Oct, 14:45-14:50
	3-5km SE	Heard	60	Explosion	Undetermined	N/K	30-Oct, 14:51-15:00
	3-5km SSE	Heard	215	Burst		HMG	30-Oct, 15:10-15:30
	3-5km SSE	Heard	135	Explosion	Undetermined	N/K	30-Oct, 15:10-15:30
	3-5km SSE	Heard	56	Burst		HMG	30-Oct, 15:31-15:45
	3-5km SSE	Heard	16	Explosion	Undetermined	N/K	30-Oct, 15:31-15:45
	3-5km SSE	Heard	8	Burst		HMG	30-Oct, 17:00-17:25

	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 17:00-17:25
E edge of Kamianka (government-controlled, 20km N of Donetsk)	1-2km N	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:05
	1-2km N	Heard	1	Explosion	Undetermined	N/K	30-Oct, 09:20
	1-2km SSW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 10:40
	2-4km E	Heard	2	Explosion	Undetermined	N/K	30-Oct, 12:10
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 12:15
	3-4km N	Heard	10	Explosion	Undetermined	N/K	30-Oct, 12:30-12:35
	3-4km N	Heard	51	Shot		Small arms	30-Oct, 13:38-13:42
	2-4km N	Heard	34	Shot		Small arms	30-Oct, 13:45-13:47
	2-3km SW	Heard	43	Shot		N/K	30-Oct, 13:50-13:53
	2-3km SW	Heard	12	Shot		Small arms	30-Oct, 13:55-13:57
1.5km SE of Holubivske (non-government- controlled, 51km W of Luhansk)	2-3km	Heard	17	Burst		Small arms	30-Oct, 13:58-14:00
	6-8km SSW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 09:00-09:15
E edge of Zolote- 3/Stakhanovets (government-controlled, 61km W of Luhansk)	2.5-4km SSE	Heard	3	Burst	Assessed as inside the disengagement area	HMG	30-Oct, 12:03-12:04
	2.5-4km SSE	Heard	10	Burst	Assessed as inside the disengagement area	Small arms	30-Oct, 12:03-12:04
	2.5-4km SSE	Heard	15	Shot	Assessed as inside the disengagement area	Small arms	30-Oct, 12:03-12:04
3km NW of Trokhizbenka (government-controlled, 32km NW of Luhansk)	10-15km SSW	Heard	18	Explosion	Undetermined	N/K	30-Oct, 12:15-12:23
0.5km N of Orikhove (government-controlled, 57km NW of Luhansk)	6-7km ESE	Heard	9	Explosion	Undetermined	N/K	30-Oct, 12:25-12:35
1.5km SE of Molodizhne (non- government-controlled, 63km NW of Luhansk)	3-4km NNE	Heard	3	Burst		IFV (BMP- 2) cannon (30mm)	30-Oct, 14:52
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	5-9km E	Recorded	1	Explosion	Undetermined	N/K	29-Oct, 22:30
	4-8km ESE	Recorded	1	Projectile	S to N	N/K	29-Oct, 23:00
	4-8km ESE	Recorded	1	Projectile	N to S	N/K	29-Oct, 23:00
	4-8km ESE	Recorded	2	Explosion	Undetermined	N/K	29-Oct, 23:00

## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</sup> 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).