

Table of ceasefire violations as of 18 November 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	NE to SW	N/K	16-Nov, 17:34
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-7km SE	Recorded	2	Projectile	ENE to WSW	N/K	16-Nov, 17:13
	2-7km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 18:51
	2-7km SE	Recorded	4	Projectile	ENE to WSW	N/K	16-Nov, 19:01
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Nov, 02:49
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	16-Nov, 20:21
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 20:23
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 20:24
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Nov, 20:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Nov, 03:57
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Nov, 04:03
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Nov, 04:07
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Nov, 04:20
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	17-Nov, 04:22
	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	17-Nov, 04:23
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Nov, 05:01
2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Nov, 05:02	
4-6km SE	Recorded	2	Projectile	WSW to ENE	N/K	17-Nov, 18:15	
3-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Nov, 18:23	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-5km SW	Recorded	3	Projectile	W to E	N/K	16-Nov, 17:16
	1-3km SW	Recorded	1	Projectile	SW to NE	N/K	16-Nov, 21:53
	1-3km SW	Recorded	1	Projectile	SSW to NNE	N/K	16-Nov, 22:00
	1-2km S	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 04:15
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 18:26
	1-3km S	Recorded	3	Projectile	NW to SE	N/K	17-Nov, 18:26
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-3km S	Recorded	8	Projectile	W to E	N/K	17-Nov, 18:26
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 19:11
	2-4km E	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 01:49
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	17-Nov, 01:49
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	17-Nov, 01:52
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	17-Nov, 02:06
	2-4km ESE	Recorded	1	Burst	N to S	N/K	17-Nov, 02:12
	3-5km ESE	Recorded	4	Projectile	S to N	N/K	16-Nov, 20:17
	3-5km E	Recorded	2	Projectile	N to S	N/K	16-Nov, 20:27
	3-5km ENE	Recorded	2	Projectile	S to N	N/K	16-Nov, 20:40
	3-5km ENE	Recorded	1	Projectile	S to N	N/K	16-Nov, 20:42
	3-5km ENE	Recorded	1	Projectile	S to N	N/K	16-Nov, 20:44
	3-5km ENE	Recorded	3	Projectile	S to N	N/K	16-Nov, 20:45
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 20:57
	3-5km E	Recorded	1	Projectile	N to S	N/K	16-Nov, 21:00
	3-5km E	Recorded	1	Projectile	N to S	N/K	16-Nov, 22:51
	3-5km E	Recorded	2	Projectile	S to N	N/K	16-Nov, 22:52
	3-5km E	Recorded	1	Projectile	N to S	N/K	16-Nov, 22:52
3-5km E	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:52	
3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 05:00	
SMM camera in Kriakivka (government-controlled, 38km NW)	2-4km SW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Nov, 20:34

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.

of Luhansk)							
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 21:31
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 17:19
	2-4km ENE	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 17:19
	2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	17-Nov, 17:58
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 18:00
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	2	Burst	N to S	N/K	16-Nov, 23:40
	2-4km ENE	Recorded	6	Burst	S to N	N/K	16-Nov, 23:55
	2-4km ENE	Recorded	8	Burst	SSW to NNE	N/K	17-Nov, 00:01
	2-4km ESE	Recorded	3	Projectile	NNW to SSE	N/K	17-Nov, 00:02
	2-4km NNW	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 19:35
	1-3km NE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 20:18
	2-4km NNE	Recorded	2	Projectile	E to W	N/K	17-Nov, 03:39
2-4km NNE	Recorded	2	Muzzle flash		N/K	17-Nov, 03:39	
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km SE	Recorded	1	Burst	WNW to ESE	N/K	17-Nov, 01:20
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 21:56
	2-4km E	Recorded	3	Projectile	NNW to SSE	N/K	16-Nov, 23:59
	2-4km ESE	Recorded	3	Projectile	SSE to NNW	N/K	17-Nov, 00:00
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km E	Recorded	1	Projectile	SSE to NNW (assessed as outside the disengagement area)	N/K	17-Nov, 16:20
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-4km NE	Heard	28	Explosion	Undetermined	N/K	17-Nov, 14:57-15:25
	2-4km NE	Heard	15	Shot		AGL	17-Nov, 14:57-15:25
	2km NE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 15:27
500m W of Marinka (government-controlled, 23km SW of Donetsk)	2-3km E	Heard	2	Explosion	Undetermined	N/K	17-Nov, 14:00-14:06
	2-3km E	Heard	3	Burst		Small arms	17-Nov, 14:00-14:06
	2-3km E	Heard	2	Burst		HMG	17-Nov, 14:00-14:06
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	4-5km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 09:50
	5km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:39
	4-5km W	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:41
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SW	Heard	32	Shot		HMG	17-Nov, 13:45
	2-3km NW	Heard	35	Explosion	Undetermined	N/K	17-Nov, 14:01-14:10
2km SE of Lebedynske (government controlled, 16km NE of Mariupol)	N/K ENE	Heard	1	Explosion	Outgoing	N/K	17-Nov, 10:25
	N/K ENE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 11:03-11:08
	N/K ENE	Heard	1	Shot		Small arms	17-Nov, 11:22
2km SW of entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K E	Heard	1	Explosion	Outgoing	N/K	17-Nov, 10:36
	N/K E	Heard	4	Burst		HMG	17-Nov, 11:20
	N/K E	Heard	1	Explosion	Undetermined	N/K	17-Nov, 12:17
Chermalyk (government-controlled, 31km NE of Mariupol)	E	Heard		Burst	Uncountable	HMG	17-Nov, 14:18-14:38
	N/K E	Heard	1	Explosion	Undetermined	N/K	17-Nov, 14:18-14:38

	N/K E	Heard	4	Shot		Small arms	17-Nov, 14:57
Svitlodarsk (government-controlled, 57km NE of Donetsk)	1-2km SSE	Heard	2	Burst		HMG	16-Nov, 19:00
	1-2km SSE	Heard	8	Burst		HMG	16-Nov, 19:18-19:20
	2-3km SE	Heard	6	Burst		HMG	16-Nov, 19:28
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	16-Nov, 19:50
	2-3km SE	Heard	2	Burst		HMG	16-Nov, 19:56
	2-3km SE	Heard	2	Burst		HMG	16-Nov, 20:20
	2-3km S	Heard	5	Burst		HMG	16-Nov, 21:13
	3-4km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 21:16
	2-4km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 21:56
	2-4km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 22:10
	2-4km S	Heard	2	Explosion	Undetermined	N/K	16-Nov, 22:20
	2-3km S	Heard	4	Burst		HMG	16-Nov, 22:57
	2-3km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 23:17
	1-3km S	Heard	3	Burst		HMG	16-Nov, 23:18
	1-2km SSE	Heard	2	Burst		HMG	16-Nov, 23:28
	1km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 23:29
	3-4km S	Heard	1	Explosion	Undetermined	N/K	16-Nov, 23:29
1-2km SSE	Heard	3	Burst		HMG	16-Nov, 23:52	
1-2km SSE	Heard	2	Burst		HMG	16-Nov, 23:57	
4-5km E	Heard	5	Explosion	Undetermined	N/K	17-Nov, 12:28	
E edge of Kamianka (government-controlled, 20km N of Donetsk)	2-3km E	Heard	4	Shot		Small arms	17-Nov, 09:16
1.5 km E of Nelipivka (government-controlled, 40km NE of Donetsk)	3-4km E	Heard	5	Explosion	Undetermined	N/K	17-Nov, 11:55
	3-4km E	Heard	12	Burst		HMG	17-Nov, 12:12
SE edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km S	Heard	12	Explosion	Undetermined	N/K	17-Nov, 09:32-09:34
3.3km SE of Pryvitne (non-government-controlled, 11km N of Luhansk)	5km S	Heard	20	Shot		HMG	17-Nov, 10:40
NE edge of Orikhove (government-controlled, 57km NW of Luhansk)	3-5km E	Heard	2	Explosion	Undetermined	N/K	17-Nov, 10:55
	3-5km E	Heard	7	Explosion	Undetermined	N/K	17-Nov, 11:05-11:09
Vesela Hora (non-government-controlled, 16km N of Luhansk)	5km ESE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 10:57-11:07
E edge of Artema (government-controlled, 26km N of Luhansk)	1-3km SSE	Heard	51	Shot		IFV (BMP-2)	17-Nov, 11:20-11:40
	1-3km SSE	Heard	5	Burst		IFV (BMP-2)	17-Nov, 11:20-11:40
W edge of Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	5-10km S	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	Artillery (type N/K)	17-Nov, 12:36-12:50
	5-10km S	Heard	15	Burst	Assessed as outside the disengagement area	Small arms	17-Nov, 12:36-12:50
	5-10km S	Heard	3	Burst	Assessed as outside the disengagement area	HMG	17-Nov, 12:36-12:50
Stanytsia Luhanska	1km E	Heard	1	Explosion	Undetermined	N/K	17-Nov, 13:30

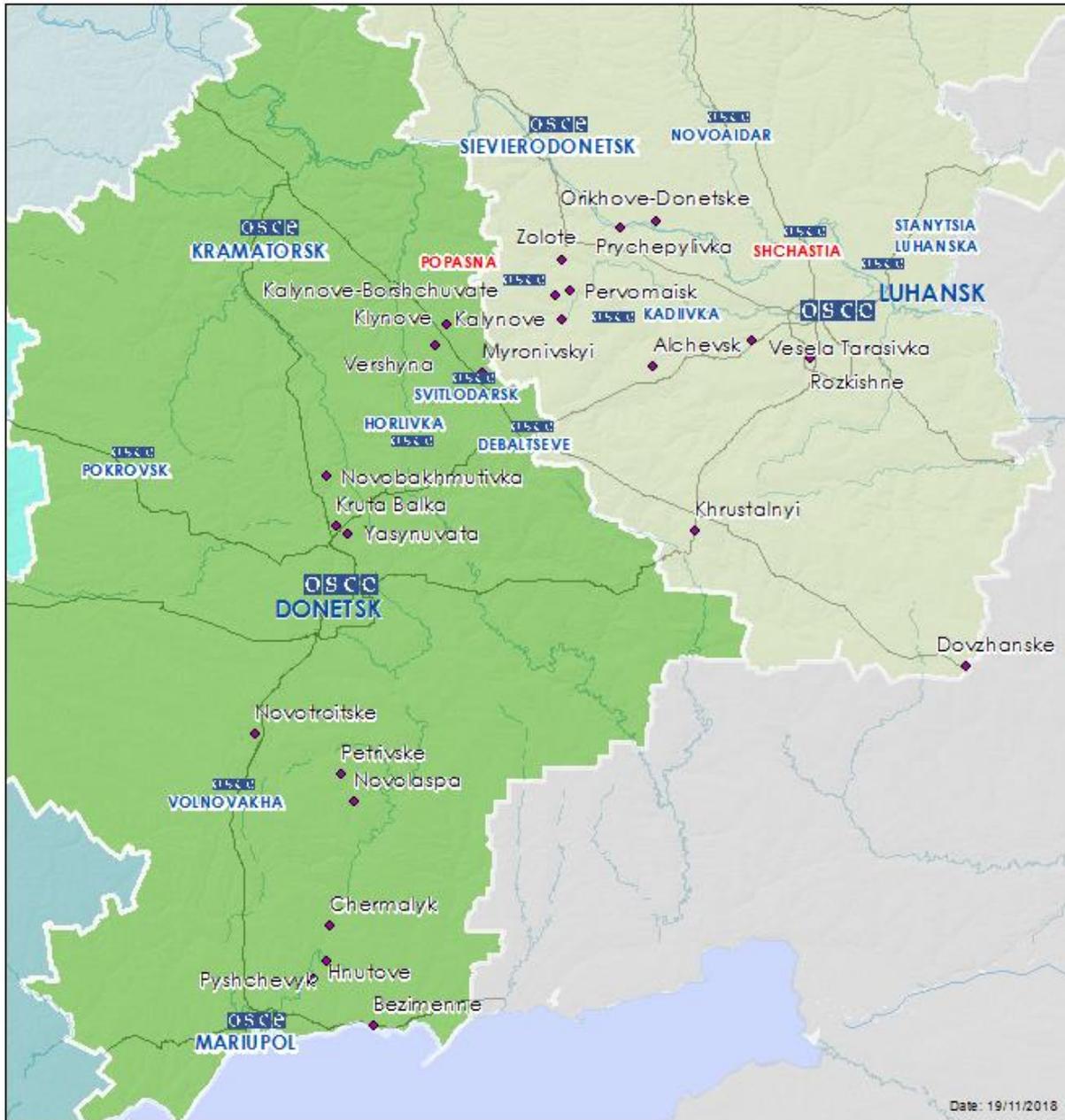
(16km NE of Luhansk)					(assessed as inside the disengagement area)		
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 20:45
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	4-6km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Nov, 18:35
	4-6km SE	Recorded	3	Explosion	Undetermined	N/K	17-Nov, 18:35
	4-6km SE	Recorded	17	Projectile	ENE to WSW	N/K	17-Nov, 18:37
	4-6km SE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 18:37
	4-6km SE	Recorded	3	Projectile	WSW to ENE	N/K	17-Nov, 18:44
	4-6km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Nov, 18:49
	4-6km SE	Recorded	1	Projectile	WSW to ENE	N/K	17-Nov, 18:49
	4-6km SE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 18:49
	4-6km SE	Recorded	26	Projectile	WSW to ENE	N/K	17-Nov, 18:54
	4-6km SE	Recorded	4	Projectile	ENE to WSW	N/K	17-Nov, 18:54
	4-6km SE	Recorded	14	Projectile	WSW to ENE	N/K	17-Nov, 18:55
	4-6km SE	Recorded	7	Projectile	WSW to ENE	N/K	17-Nov, 18:56
	4-6km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Nov, 18:56
	4-6km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Nov, 18:57
	4-6km SE	Recorded	2	Projectile	WSW to ENE	N/K	17-Nov, 18:57
	4-6km SE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 18:57
	4-6km SE	Recorded	2	Projectile	WSW to ENE	N/K	17-Nov, 18:59
	4-6km SE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 19:07
	4-6km SW	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 19:07
	4-6km SE	Recorded	14	Projectile	ENE to WSW	N/K	17-Nov, 19:27
	2-4km SE	Recorded	1	Burst	ENE to WSW	N/K	17-Nov, 20:35
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Nov, 22:30
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Nov, 22:31
2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Nov, 22:32	
2-4km SE	Recorded	3	Muzzle flash	ENE to WSW	N/K	18-Nov, 03:13	
2-4km SE	Recorded	11	Projectile	ENE to WSW	N/K	18-Nov, 03:13	
2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	18-Nov, 03:13	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SW	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 19:21
	1-3km SW	Recorded	2	Projectile	SE to NW	N/K	17-Nov, 22:24
	0.5-2km SW	Recorded	1	Illumination flare	In vertical flight	N/K	17-Nov, 22:36
	1-2km SW	Recorded	1	Projectile	NW to SE	N/K	17-Nov, 22:39
	1-2km SW	Recorded	5	Projectile	NW to SE	N/K	17-Nov, 22:41
	1-2km SW	Recorded	1	Projectile	NE to SW	N/K	17-Nov, 22:54
	0.5-1km SW	Recorded	7	Projectile	SE to NW	N/K	17-Nov, 23:14
	0.5-1km SW	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 23:24
	1-2km NE	Recorded	3	Projectile	NE to SW	N/K	18-Nov, 00:50
1-2km NE	Recorded	2	Projectile	NE to SW	N/K	18-Nov, 01:15	
1-2km SW	Recorded	1	Projectile	SE to NW	N/K	18-Nov, 05:03	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km ENE	Recorded	10	Projectile	S to N	N/K	17-Nov, 19:01
	3-5km ENE	Recorded	17	Projectile	S to N	N/K	17-Nov, 19:11
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 20:30
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	17-Nov, 21:17
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	17-Nov, 21:18
	2-4km E	Recorded	2	Projectile	S to N	N/K	17-Nov, 22:53
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	17-Nov, 22:58
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 22:59
	2-4km ESE	Recorded	4	Projectile	N to S	N/K	17-Nov, 23:01
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	17-Nov, 23:02
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 23:03
	2-4km ENE	Recorded	7	Projectile	S to N	N/K	17-Nov, 23:50
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	17-Nov, 23:50
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	17-Nov, 23:50
	2-4km ENE	Recorded	5	Projectile	S to N	N/K	17-Nov, 23:51
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	17-Nov, 23:52
2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 23:52	

	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	17-Nov, 23:52
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	17-Nov, 23:52
	2-4km ESE	Recorded	2	Projectile	NNW to SSE	N/K	17-Nov, 23:53
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	18-Nov, 01:25
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	18-Nov, 01:32
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 01:32
	2-4km E	Recorded	1	Projectile	S to N	N/K	18-Nov, 01:39
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	18-Nov, 01:47
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	18-Nov, 02:01
	2-4km E	Recorded	11	Projectile	S to N	N/K	18-Nov, 05:32
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	2	Projectile	NW to SE	N/K	17-Nov, 18:39
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 18:55
	2-4km NNE	Recorded	3	Projectile	NW to SE	N/K	17-Nov, 18:55
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 18:57
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	17-Nov, 19:01
	2-4km NE	Recorded	3	Projectile	NW to SE	N/K	17-Nov, 19:05
	2-4km NNE	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 19:11
	2-4km NNE	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 19:12
	3-5km ENE	Recorded	4	Projectile	SE to NW	N/K	17-Nov, 20:34
	3-5km NNE	Recorded	2	Projectile	SE to NW	N/K	17-Nov, 20:35
	3-5km ENE	Recorded	1	Projectile	SE to NW	N/K	17-Nov, 21:59
	3-5km NE	Recorded	5	Projectile	WSW to ENE	N/K	18-Nov, 00:58
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-7km ESE	Recorded	2	Projectile	N to S	N/K	17-Nov, 18:59
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km N	Recorded	2	Projectile	E to W	N/K	17-Nov, 22:41
	2-4km NNE	Recorded	1	Projectile	SW to NE	N/K	17-Nov, 23:22
	1-3km NNE	Recorded	2	Projectile	E to W	N/K	18-Nov, 00:17
SMM camera at entry-exit checkpoint in Pyshechyk (government-controlled, 25km NE of Mariupol)	2-3km SSE	Recorded	8	Projectile	E to W	N/K	17-Nov, 20:34
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	17-Nov, 20:34
	2-3km SSE	Recorded	1	Projectile	E to W	N/K	17-Nov, 20:38
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	17-Nov, 23:11
	2-3km SE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Nov, 23:35
	2-3km SSE	Recorded	1	Projectile	E to W	N/K	17-Nov, 23:51
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	18-Nov, 00:33
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-5km NE	Recorded	6	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	18-Nov, 17:54
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km NW	Heard	5	Shot		Small arms	18-Nov, 10:17-10:21
	4-5km NW	Heard	2	Explosion	Undetermined	N/K	18-Nov, 10:50
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km WSW	Heard	6	Shot		Small arms	18-Nov, 09:36
	1-2km NNE	Heard	4	Burst		Small arms	18-Nov, 09:37
	1-2km WSW	Heard	12	Shot		Small arms	18-Nov, 09:39
	2-4km W	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:43
	3-4km W	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:46
	1-2km NE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 11:10
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 11:12
	1-2km SW	Heard	3	Shot		Small arms	18-Nov, 11:18
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:47
	3-5km NE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 10:10-10:13
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 10:38
Svitlodarsk	3-4km SE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 18:54

(government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 16:56
	2-3km SE	Heard	5	Burst		HMG	17-Nov, 17:21
	4-5km SSE	Heard	6	Burst		HMG	17-Nov, 20:02
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	17-Nov, 20:04
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	17-Nov, 20:07-20:08
	2-3km SE	Heard	31	Burst		HMG	17-Nov, 20:10-21:12
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 20:10
	2-3km SE	Heard	7	Burst		HMG	17-Nov, 20:14
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 20:15
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 20:19
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	17-Nov, 20:22
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 20:25
	1-2km SE	Heard	7	Explosion	Undetermined	N/K	17-Nov, 20:28-20:29
	2-3km SE	Heard	4	Burst		HMG	17-Nov, 20:30
	1-2km SE	Heard	4	Explosion	Undetermined	N/K	17-Nov, 20:30-20:31
	2-3km SE	Heard	7	Burst		HMG	17-Nov, 20:32
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 20:34
	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 20:37
	3-4km SSE	Heard	17	Burst		HMG	17-Nov, 20:38-20:39
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 20:38
	3-4km SSE	Heard	28	Burst		HMG	17-Nov, 20:44
	1-2km SE	Heard	4	Explosion	Undetermined	N/K	17-Nov, 20:46
	3-4km SE	Heard	7	Burst		HMG	17-Nov, 20:46
	3-4km SE	Heard	13	Burst		HMG	17-Nov, 20:48
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	17-Nov, 20:48
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 21:01
	2-3km SE	Heard	3	Burst		HMG	17-Nov, 21:23
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 21:25
	3-4km SE	Heard	5	Burst		HMG	17-Nov, 22:11
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 22:24
	3-4km SSE	Heard	5	Burst		HMG	17-Nov, 22:25-22:27
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 22:41
	1-2km SSE	Heard	1	Explosion	Impact	N/K	17-Nov, 23:15
	1-2km SSE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 23:45
	2-4km SE	Heard	4	Burst		HMG	18-Nov, 15:18-15:21
	2-4km SE	Heard	1	Burst		HMG	18-Nov, 15:24
	2-4km SE	Heard	2	Burst		HMG	18-Nov, 15:27
	4-6km SE	Heard	3	Explosion	Undetermined	N/K	18-Nov, 15:45
	4-6km S	Heard	1	Burst		HMG	18-Nov, 15:48
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 15:55
	4-6km S	Heard	4	Burst		HMG	18-Nov, 15:56
	4-6km SE	Heard	3	Explosion	Undetermined	N/K	18-Nov, 15:57
	4-6km S	Heard	4	Burst		HMG	18-Nov, 15:58
	4-6km S	Heard	10	Burst		HMG	18-Nov, 15:59
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 15:59
	4-6km SE	Heard	3	Explosion	Undetermined	N/K	18-Nov, 16:00
	4-6km SSE	Heard	10	Burst		HMG	18-Nov, 16:01
	4-6km SE	Heard	5	Burst		HMG	18-Nov, 16:02
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 16:04
	4-6km SE	Heard	6	Burst		HMG	18-Nov, 16:06
6-8km S	Heard	4	Burst		HMG	18-Nov, 16:10	
4-6km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 16:13	
6-8km S	Heard	2	Burst		HMG	18-Nov, 16:14	
2-3km SE	Heard	2	Explosion	Undetermined	N/K	18-Nov, 16:14	
2-3km S	Heard	2	Explosion	Undetermined	N/K	18-Nov, 16:15	
6-8km S	Heard	4	Burst		HMG	18-Nov, 16:17	
2-3km SE	Heard	3	Explosion	Undetermined	N/K	18-Nov, 16:18	

	2-3km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 16:22
	3-5km SE	Heard		Burst	Uncountable overlapping	HMG	18-Nov, 16:24-16:28
	2-4km SSE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 16:26
	3-5km NNE	Heard	1	Burst		HMG	18-Nov, 16:32
	3-5km SSE	Heard	3	Burst		HMG	18-Nov, 16:39
	3-5km SE	Heard	3	Burst		HMG	18-Nov, 16:43
	5-8km SE	Heard	1	Explosion	Undetermined	N/K	18-Nov, 17:40
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km E	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:16
	2-4km W	Heard	6	Burst		HMG	18-Nov, 14:45-14:46
E edge of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:15
	2-3km NNE	Heard	6	Burst		HMG	18-Nov, 09:37
	3-4km E	Heard	1	Explosion	Undetermined	N/K	18-Nov, 09:41
	5-6km SSW	Heard	3	Explosion	Undetermined	N/K	18-Nov, 09:46
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	18-Nov, 10:33
	1-2km SW	Heard	2	Burst		Small arms	18-Nov, 12:05
NE edge of Kalynove (non-government-controlled, 60km W of Luhansk)	7-10km SW	Heard	3	Burst		HMG	18-Nov, 08:51-08:52
	3-5km SW	Heard	3	Burst		HMG	18-Nov, 09:34-09:36
	3-5km SW	Heard	45	Shot		Small arms	18-Nov, 09:34-09:36
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	18-Nov, 09:34-09:36
	10-15km W	Heard	54	Explosion	Undetermined	N/K	18-Nov, 13:15-15:03
	10-15km W	Heard	26	Burst		HMG	18-Nov, 13:15-15:03
	10-15km NW	Heard	12	Explosion	Undetermined	N/K	18-Nov, 13:15-13:40
	10-15km NW	Heard	16	Burst		HMG	18-Nov, 13:15-13:40

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).