

Table of ceasefire violations as of 16 September 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	0.5-2km SSW	Recorded	1	Explosion	Airburst	N/K	15-Sep, 01:41
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 19:32
	1-2km ESE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:00
	1-3km SE	Recorded	7	Projectile	NNE to SSW	N/K	15-Sep, 01:31
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded	1	Projectile	W to E	N/K	14-Sep, 20:53
	2-4km SSW	Recorded	1	Explosion	airburst	N/K	14-Sep, 20:56
	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	14-Sep, 20:56
	1-3km SSW	Recorded	3	Projectile	WNW to ESE	N/K	14-Sep, 21:40
	1-3km SSW	Recorded	2	Projectile	W to E	N/K	14-Sep, 21:40
	1-3km SSE	Recorded	1	Projectile	NE to SW	N/K	14-Sep, 22:33
	1-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	14-Sep, 22:54
	1-3km SSW	Recorded	4	Projectile	WNW to ESE	N/K	14-Sep, 23:16
	1-3km SSW	Recorded	5	Projectile	NW to SE	N/K	15-Sep, 00:18
	1-3km SSW	Recorded	1	Projectile	SW to NE	N/K	15-Sep, 00:18
	1-3km SSW	Recorded	3	Projectile	NW to SE	N/K	15-Sep, 01:29
	1-3km SSW	Recorded	2	Projectile	NNE to SSW	N/K	15-Sep, 01:29
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:42
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 02:40
	1-3km SSW	Recorded	2	Projectile	WNW to ESE	N/K	15-Sep, 04:04
SMM camera 1km SW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	1-3km E	Recorded	1	Projectile	S to N	N/K	14-Sep, 21:27
	2-4km E	Recorded	6	Projectile	S to N	N/K	14-Sep, 21:32
	2-4km E	Recorded	2	Projectile	N to S	N/K	14-Sep, 21:32
	2-4km ESE	Recorded	3	Projectile	N to S	N/K	14-Sep, 22:22
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	14-Sep, 22:34
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	14-Sep, 22:34
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	15-Sep, 00:03
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	15-Sep, 00:04
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Sep, 00:05
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	15-Sep, 00:05
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 00:06
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	15-Sep, 00:27
	2-4km ESE	Recorded	3	Projectile	N to S	N/K	15-Sep, 00:35
	2-4km ENE	Recorded	11	Projectile	N to S	N/K	15-Sep, 00:36
	2-4km ENE	Recorded	15	Projectile	N to S	N/K	15-Sep, 00:38
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Sep, 00:40
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 00:41
	1-2km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 00:41
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 00:52
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	15-Sep, 00:55
1-2km E	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 00:55	
2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 01:02	

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 ENE	Recorded	8	Projectile	N to S	N/K	15-Sep, 01:03
	3-5km E	Recorded	1	Explosion		N/K	15-Sep, 01:03
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 01:25
	2-4km ENE	Recorded	11	Projectile	N to S	N/K	15-Sep, 01:26
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	15-Sep, 01:30
	2-4km ENE	Recorded	10	Projectile	N to S	N/K	15-Sep, 01:31
	2-4km ENE	Recorded	28	Projectile	N to S	N/K	15-Sep, 01:36
	2-4km E	Recorded	4	Projectile	S to N	N/K	15-Sep, 01:40
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 01:40
	2-4km E	Recorded	3	Projectile	S to N	N/K	15-Sep, 01:41
	2-4km E	Recorded	6	Projectile	S to N	N/K	15-Sep, 02:03
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	15-Sep, 02:05
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Sep, 02:27
	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Sep, 02:29
	2-4km ENE	Recorded	10	Projectile	N to S	N/K	15-Sep, 02:30
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	15-Sep, 02:30
	2-4km ENE	Recorded	20	Projectile	N to S	N/K	15-Sep, 02:31
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 02:36
	2-4km ENE	Recorded	20	Projectile	N to S	N/K	15-Sep, 02:37
	2-4km ENE	Recorded	20	Projectile	N to S	N/K	15-Sep, 02:40
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 03:24
	2-4km ENE	Recorded	17	Projectile	N to S	N/K	15-Sep, 03:30
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 03:40
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 03:43
	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Sep, 03:47
	2-4km E	Recorded	2	Projectile	S to N	N/K	15-Sep, 03:55
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Sep, 04:16
	2-4km ENE	Recorded	1	Projectile	N to S (in vertical flight)	N/K	15-Sep, 04:18
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 04:24
	2-4km E	Recorded	6	Projectile	N to S	N/K	15-Sep, 05:05
	2-4km E	Recorded	7	Projectile	N to S	N/K	15-Sep, 05:15
	2-4km ESE	Recorded	4	Projectile	S to N	N/K	15-Sep, 05:19
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	1-2km E	Recorded	1	Explosion		N/K	15-Sep, 05:24
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	3-5km ESE	Recorded	5	Projectile	NE to SW	N/K	15-Sep, 01:22
	3-5km ESE	Recorded	4	Projectile	SW to NE	N/K	15-Sep, 01:22
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	14-Sep, 22:39
	1-3km SSE	Recorded	1	Explosion	Impact	N/K	14-Sep, 22:39
	1-3km SSE	Recorded	12	Projectile	WNW to ESE	N/K	14-Sep, 22:56
	1-3km SSE	Recorded	11	Projectile	WNW to ESE	N/K	14-Sep, 22:57
	1-3km SSE	Recorded	2	Projectile	NE to SW	N/K	14-Sep, 22:58
	1-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	14-Sep, 22:59
	1-3km SSE	Recorded	5	Muzzle flash		N/K	14-Sep, 23:00
	1-3km SSE	Recorded	4	Projectile	NE to SW	N/K	14-Sep, 23:45
	1-3km SSE	Recorded	5	Projectile	WSW to ENE	N/K	14-Sep, 23:48
	1-3km SSE	Recorded	4	Projectile	WSW to ENE	N/K	15-Sep, 00:00
	1-3km SSE	Recorded	4	Projectile	WSW to ENE	N/K	15-Sep, 00:24
SMM camera E of Lomakyne (government-	1-3km NE	Recorded	4	Projectile	SE to NW	N/K	14-Sep, 21:01
	1-3km NE	Recorded	1	Projectile	NW to SE	N/K	14-Sep, 21:01
	1-3km NE	Recorded	2	Explosion	Undetermined	N/K	14-Sep, 21:01

controlled, 15km NE of Mariupol)	1-3km NE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 00:12
	1-3km NE	Recorded	1	Projectile	SE to NW	N/K	15-Sep, 00:56
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 22:14
	1-3km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 03:24
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	1-3km SSW	Recorded	12	Projectile	SE to NW	N/K	14-Sep, 23:19
	1-3km SSW	Recorded	2	Projectile	SE to NW	N/K	14-Sep, 23:20
SMM camera at Okhtiabr mine (non- government- controlled, 9km NW of Donetsk city centre)	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	14-Sep, 21:40
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 22:58
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 01:38
	2-4km NE	Recorded	1	Projectile	ENE to WSW	N/K	15-Sep, 01:41
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:42
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)	1-3km SSE	Recorded	2	Burst	E to W	N/K	14-Sep, 20:56
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	15-Sep, 02:29
SE part of Avdiivka (non- government controlled, 17km N of Donetsk)	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	15-Sep, 09:05
	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	15-Sep, 09:10
	1km S	Heard	14	Burst		HMG	15-Sep, 09:42
	2-3km SSE	Heard	1	Explosion	Undetermined	HMG	15-Sep, 10:07
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 10:20
	1km SSE	Heard	6	Burst		HMG	15-Sep, 10:35
	1km SSE	Heard	3	Explosion	Undetermined	N/K	15-Sep, 10:40
	1km SSE	Heard	21	Shot		Small- arms	15-Sep, 10:50
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 11:02
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 11:43
	1-2km SSE	Heard	3	Shot		Small- arms	15-Sep, 11:57
	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:20
	1-2km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:35
	1-2km SSE	Heard	1	Shot		Small- arms	15-Sep, 12:43
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:47
1-2km SE	Heard	2	Shot		Small- arms	15-Sep, 15:12	
4km W of Yasynuvata (non- government- controlled, 16km NE of Donetsk)	1-2km SW	Heard	4	Shot		Small- arms	15-Sep, 12:46
1.8km N of Petrivske (non- government controlled, 41km	1-2km SE	Heard	1	Shot	Assessed as outside the disengagement area	Small- arms	15-Sep, 10:40

S of Donetsk)					Assessed as outside the disengagement area		
	1-2km SE	Heard	14	Burst		Small-arms	15-Sep, 10:46-10:50
1km NNW of entry-exit checkpoint in Pyshchevyk (government controlled, 25km NE of Mariupol)	2-3km SE	Heard	7	Burst		N/K	15-Sep, 09:44-09:49
	2-3km N	Heard	1	Burst		Small-arms	15-Sep, 10:17
1km SW of Lebedynske (government-controlled, 16km NE of Mariupol)	1-2km ENE	Heard	7	Burst		Small-arms	15-Sep, 10:02-10:04
	1-2km ENE	Heard	5	Shot		Small-arms	15-Sep, 10:02-10:04
	1-2km ENE	Heard	30	Shot		N/K	15-Sep, 10:10-10:13
	1-2km ENE	Heard	5	Explosion	Undetermined	N/K	15-Sep, 10:32-10:35
	1-2km ENE	Heard	2	Burst		SALW	15-Sep, 10:32-10:35
	1-2km ENE	Heard	5	Shot		Small-arms	15-Sep, 10:32-10:35
	1-2km ENE	Heard	3	Explosion	Undetermined	N/K	15-Sep, 10:40-10:45
	1-2km ENE	Heard	3	Shot		Small-arms	15-Sep, 10:40-10:45
Lebedynske (government controlled, 16km NE of Mariupol)	2-3km NE	Heard	1	Burst		Small-arms	15-Sep, 12:43-12:55
	2-3km NE	Heard	3	Shot		Small-arms	15-Sep, 12:43-12:55
	2-3km ENE	Heard	5	Explosion	Outgoing	N/K	15-Sep, 12:43-12:55
	2-3km ENE	Heard	5	Explosion	Impact		15-Sep, 12:43-12:55
Pavlopil (government-controlled, 26km NE of Mariupol)	1-2km NE	Heard	2	Explosion	Undetermined	N/K	15-Sep, 10:32-10:40
	1-2km NE	Heard	15	Burst		Small-arms	15-Sep, 10:32-10:40
	1-2km NE	Heard	Uncountable	Shot	Uncountable	Small-arms	15-Sep, 10:32-10:40
	N/Kkm SE	Heard	8	Explosion	Undetermined	N/K	15-Sep, 11:32-11:45
	2km NE	Heard	3	Shot		Small-arms	15-Sep, 12:50
	N/K km S	Heard	3	Burst		HMG	15-Sep, 13:45
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	2	Burst		HMG	14-Sep, 20:15-20:16
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	14-Sep, 21:55-21:56
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	14-Sep, 22:00-22:01
	5-6km SE	Heard	10	Explosion	Undetermined	N/K	14-Sep, 22:34-22:39
	3-4km SE	Heard	4	Burst		Small-arms	14-Sep, 22:35-22:36
	3-4km SE	Heard	10	Burst		Small-arms	14-Sep, 22:48-22:52
	3-4km SE	Heard	6	Burst		Small-arms	14-Sep, 23:06-23:10
	4-5km SE	Heard	20	Burst		HMG	14-Sep, 23:30-23:35

	5-6km SE	Heard	10	Explosion	Undetermined	N/K	14-Sep, 23:35-23:39
	3-4km SE	Heard	4	Burst		Small-arms	15-Sep, 03:55-03:58
	5-6km SE	Heard	6	Explosion	Undetermined	N/K	15-Sep, 03:55-03:59
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km NW	Heard	4	Explosion	Undetermined	N/K	15-Sep, 18:21
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	15-Sep, 22:55
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	15-Sep, 22:56
	2-4km SE	Recorded	1	Illumination flare	NE to SW	N/K	16-Sep, 03:11
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	1-3km SSE	Recorded	4	Projectile	ENE to WSW	N/K	15-Sep, 20:16
	1-3km SSE	Recorded	14	Projectile	ENE to WSW	N/K	15-Sep, 20:31
	1-3km SSE	Recorded	13	Projectile	ENE to WSW	N/K	15-Sep, 20:32
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SE	Recorded	5	Projectile	NE to SW	N/K	15-Sep, 21:32
	1-3km SE	Recorded	4	Projectile	NE to SW	N/K	15-Sep, 21:33
	1-3km SE	Recorded	2	Projectile	NE to SW	N/K	15-Sep, 21:34
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	4	Explosion	Undetermined	N/K	15-Sep, 20:47
	1-3km S	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 20:50
	1-3km S	Recorded	1	Projectile	E to W	N/K	15-Sep, 20:58
	1-3km SW	Recorded	2	Projectile	W to E	N/K	15-Sep, 21:00
	1-3km SW	Recorded	1	Projectile	W to E	N/K	15-Sep, 21:24
	1-3km SW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 21:26
	1-3km SW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 21:29
	1-3km SE	Recorded	1	Projectile	NE to SW	N/K	15-Sep, 21:35
	1-3km SE	Recorded	1	Projectile	NE to SW	N/K	15-Sep, 21:37
	1-3km SW	Recorded	2	Projectile	SE to NW	N/K	15-Sep, 21:46
	1-3km SW	Recorded	1	Projectile	SSW to NNE	N/K	15-Sep, 21:52
	1-3km SW	Recorded	4	Projectile	SSW to NNE	N/K	15-Sep, 22:55
	1-3km SW	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:56
	1-3km SW	Recorded	1	Illumination flare		N/K	15-Sep, 23:02
	1-3km SW	Recorded	3	Projectile	NW to SE	N/K	15-Sep, 23:24
	1-3km S	Recorded	1	Projectile	E to W	N/K	16-Sep, 01:06
	1-3km SW	Recorded	1	Projectile	NW to SE	N/K	16-Sep, 01:49
	1-3km SSW	Recorded	3	Projectile	W to E	N/K	16-Sep, 02:22
	1-3km SSW	Recorded	3	Projectile	W to E	N/K	16-Sep, 02:32
	1-3km SW	Recorded	4	Projectile	SE to NW	N/K	16-Sep, 03:08
SMM camera 1km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:20
	2-4km E	Recorded	2	Projectile	N to S	N/K	15-Sep, 20:36
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	15-Sep, 20:37
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:38
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 20:43
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:43
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:44
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 20:45
	2-4km ENE	Recorded	1	Explosion	ENE to WSW (undetermined)	N/K	15-Sep, 20:45
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 20:46
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:47	

2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 20:47
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 20:48
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 20:49
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 20:51
2-4km E	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 20:54
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 20:56
2-4km E	Recorded	2	Projectile	S to N	N/K	15-Sep, 20:59
2-4km E	Recorded	2	Muzzle flash	E to W	N/K	15-Sep, 21:07
2-4km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 21:07
2-4km E	Recorded	7	Projectile	N to S	N/K	15-Sep, 21:09
2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 21:09
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 21:35
2-4km E	Recorded	8	Projectile	N to S	N/K	15-Sep, 21:35
2-4km ENE	Recorded	5	Projectile	N to S	N/K	15-Sep, 21:36
2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 21:41
2-4km E	Recorded	5	Projectile	N to S	N/K	15-Sep, 21:48
2-4km E	Recorded	1	Muzzle flash	E to W	N/K	15-Sep, 21:49
2-4km E	Recorded	6	Projectile	S to N	N/K	15-Sep, 21:52
2-4km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 21:53
2-4km E	Recorded	6	Projectile	N to S	N/K	15-Sep, 21:54
2-4km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 21:56
2-4km E	Recorded	6	Projectile	S to N	N/K	15-Sep, 21:56
2-4km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 21:59
2-4km E	Recorded	6	Projectile	S to N	N/K	15-Sep, 21:59
2-4km E	Recorded	1	Muzzle flash	E to W	N/K	15-Sep, 21:59
2-4km E	Recorded	5	Projectile	N to S	N/K	15-Sep, 22:00
2-4km E	Recorded	8	Projectile	N to S	N/K	15-Sep, 22:01
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 22:01
2-4km E	Recorded	1	Muzzle flash	E to W	N/K	15-Sep, 22:04
2-4km E	Recorded	2	Projectile	S to N	N/K	15-Sep, 22:04
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 22:04
2-4km E	Recorded	2	Projectile	S to N	N/K	15-Sep, 22:05
2-4km E	Recorded	1	Muzzle flash	E to W	N/K	15-Sep, 22:05
2-4km E	Recorded	1	Burst	N to S	N/K	15-Sep, 22:05
2-4km E	Recorded	1	Explosion	E to W (undetermined)	N/K	15-Sep, 22:06
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 22:07
2-4km E	Recorded	8	Projectile	N to S	N/K	15-Sep, 22:08
2-4km E	Recorded	1	Burst	N to S	N/K	15-Sep, 22:08
2-4km E	Recorded	2	Projectile	N to S	N/K	15-Sep, 22:09
2-4km E	Recorded	1	Burst	N to S	N/K	15-Sep, 22:17
2-4km E	Recorded	4	Projectile	S to N	N/K	15-Sep, 22:18
2-4km E	Recorded	2	Projectile	N to S	N/K	15-Sep, 22:18
2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Sep, 22:26
2-4km ENE	Recorded	1	Projectile	S to N	N/K	15-Sep, 22:26
2-4km E	Recorded	1	Muzzle flash	E to W	N/K	15-Sep, 22:26
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 22:26
2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 22:27
2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 22:28
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 22:50
2-4km E	Recorded	1	Projectile	S to N	N/K	15-Sep, 22:50
2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 22:51
2-4km ENE	Recorded	8	Projectile	N to S	N/K	15-Sep, 22:59

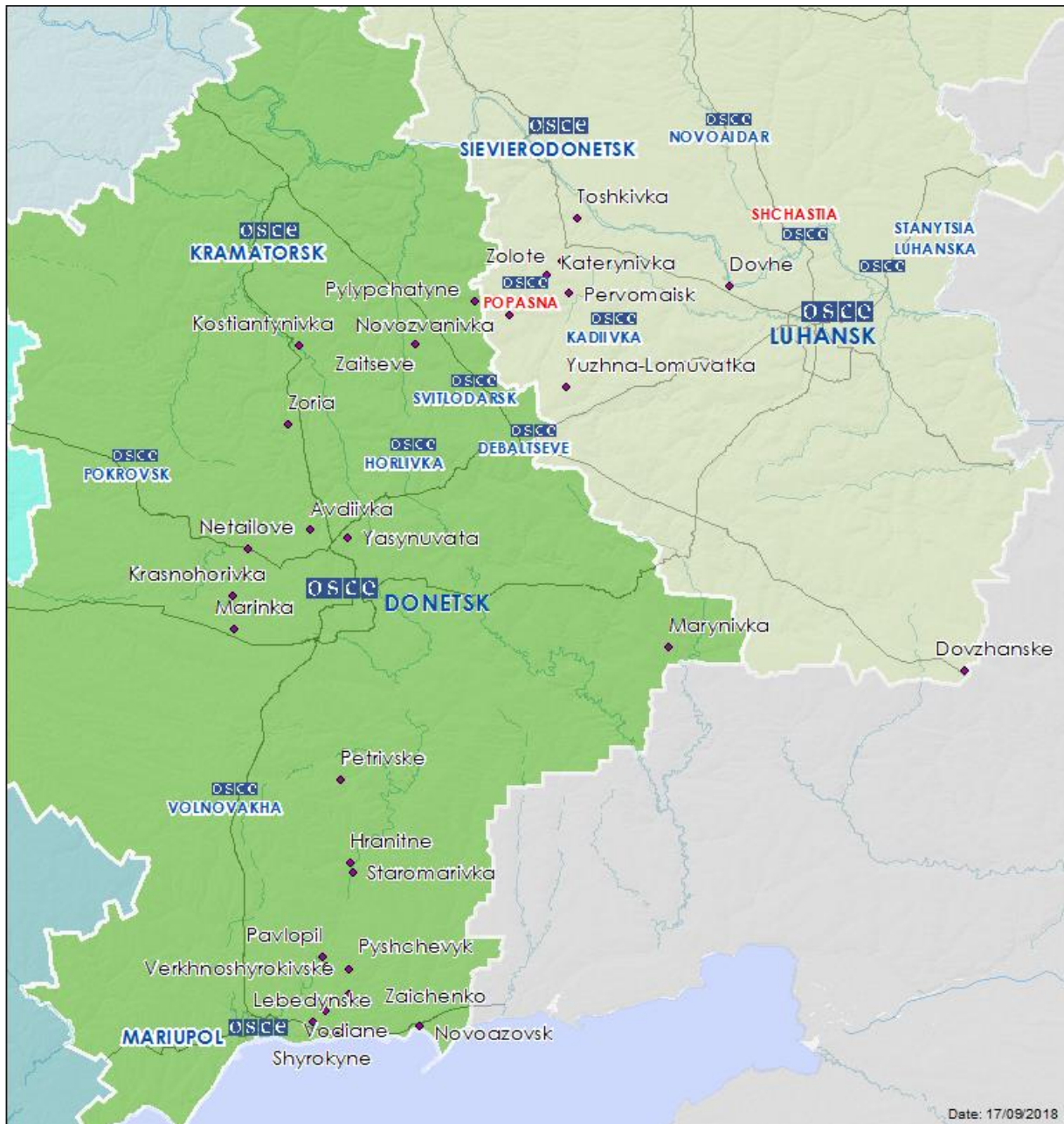
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Sep, 23:00
	2-4km ENE	Recorded	10	Projectile	N to S	N/K	15-Sep, 23:01
	2-4km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 23:03
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Sep, 23:04
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 23:12
	2-4km ENE	Recorded	1	Muzzle flash		N/K	15-Sep, 23:12
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 23:13
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	15-Sep, 23:13
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	15-Sep, 23:14
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 23:22
	2-4km ENE	Recorded	10	Projectile	N to S	N/K	15-Sep, 23:23
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Sep, 23:24
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Sep, 23:40
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Sep, 23:41
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Sep, 23:42
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	16-Sep, 00:02
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Sep, 00:23
	2-4km E	Recorded	2	Projectile	N to S	N/K	16-Sep, 02:09
	2-4km E	Recorded	3	Projectile	N to S	N/K	16-Sep, 02:10
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Sep, 02:19
	2-4km E	Recorded	3	Projectile	N to S	N/K	16-Sep, 03:18
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Sep, 03:19
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Sep, 03:32
	2-4km E	Recorded	5	Projectile	S to N	N/K	16-Sep, 04:01
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Sep, 04:02
	2-4km E	Recorded	1	Projectile	S to N	N/K	16-Sep, 04:02
	1-3km E	Recorded	2	Projectile	S to N	N/K	16-Sep, 05:03
	1-3km E	Recorded	1	Projectile	S to N	N/K	16-Sep, 05:04
	1-3km E	Recorded	3	Projectile	N to S	N/K	16-Sep, 05:07
	1-3km E	Recorded	2	Projectile	S to N	N/K	16-Sep, 05:07
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	1-3km ESE	Recorded	2	Muzzle flash		N/K	16-Sep, 02:12
	1-3km ESE	Recorded	1	Projectile	SW to NE	N/K	16-Sep, 02:12
	1-3km ESE	Recorded	1	Burst	N to S	N/K	16-Sep, 02:12
	1-3km ESE	Recorded	1	Projectile	N to S	N/K	16-Sep, 02:20
	1-3km ESE	Recorded	1	Projectile	S to N	N/K	16-Sep, 02:21
	1-3km ESE	Recorded	1	Burst	NE to SW	N/K	16-Sep, 02:41
	1-3km ESE	Recorded	1	Burst	WNW to ESE	N/K	16-Sep, 02:49
	2-4km ESE	Recorded	1	Muzzle flash		N/K	16-Sep, 03:26
	2-4km ESE	Recorded	1	Projectile	NNE to SSW	N/K	16-Sep, 03:26
	2-4km ESE	Recorded	2	Projectile	WNW to ESE	N/K	16-Sep, 03:26
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Sep, 21:49
	1-3km ESE	Recorded	11	Muzzle flash		N/K	15-Sep, 21:37
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 19:30
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Sep, 21:20
SMM camera at	2-3km NNE	Recorded	3	Projectile	SE to NW	N/K	15-Sep, 22:49

entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-3km N	Recorded	3	Explosion	Undetermined	N/K	15-Sep, 22:49
	2-3km NNE	Recorded	1	Projectile	W to E	N/K	15-Sep, 23:15
	2-3km NNE	Recorded	7	Projectile	NNE to SSW	N/K	15-Sep, 23:16
	1-3km NNE	Recorded	10	Projectile	W to E	N/K	15-Sep, 23:18
	1-3km NNE	Recorded	1	Projectile	SW to NE	N/K	15-Sep, 23:18
	1-3km NNE	Recorded	3	Projectile	W to E	N/K	15-Sep, 23:19
	1-3km NNE	Recorded	10	Projectile	W to E (in vertical flight)	N/K	16-Sep, 01:39
	1-3km NNE	Recorded	1	Projectile	W to E (in vertical flight)	N/K	16-Sep, 01:42
	1-3km N	Recorded	1	Explosion	Undetermined	N/K	16-Sep, 02:02
	1-3km NNE	Recorded	1	Projectile	W to E (in vertical flight)	N/K	16-Sep, 02:50
	1-3km NNE	Recorded	1	Projectile	W to E (in vertical flight)	N/K	16-Sep, 02:54
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	1-3km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 20:48
	1-3km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 20:49
	1-3km S	Recorded	2	Projectile	W to E	N/K	15-Sep, 20:50
	1-3km S	Recorded	2	Projectile	W to E	N/K	15-Sep, 20:51
	1-3km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 20:58
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	16-Sep, 00:48
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 21:19
	2-4km N	Recorded	1	Burst	E to W	N/K	15-Sep, 21:50
	2-4km NNW	Recorded	3	Burst	W to E	N/K	15-Sep, 21:50
	2-4km N	Recorded	17	Projectile	W to E	N/K	15-Sep, 21:52
	2-4km NNW	Recorded	1	Burst	E to W	N/K	15-Sep, 21:52
	2-4km NNE	Recorded	1	Burst	W to E	N/K	15-Sep, 21:52
	2-4km N	Recorded	5	Projectile	W to E	N/K	15-Sep, 21:53
	2-4km NNE	Recorded	1	Burst	E to W	N/K	15-Sep, 21:53
	2-4km N	Recorded	8	Projectile	W to E	N/K	15-Sep, 21:54
	2-4km N	Recorded	13	Projectile	W to E	N/K	15-Sep, 21:55
	2-4km N	Recorded	2	Projectile	W to E	N/K	15-Sep, 21:56
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:00
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:02
	2-4km N	Recorded	2	Projectile	W to E	N/K	15-Sep, 22:03
	2-4km N	Recorded	3	Projectile	W to E	N/K	15-Sep, 22:04
	2-4km NNE	Recorded	2	Projectile	E to W	N/K	15-Sep, 22:14
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:18
	2-4km NNE	Recorded	2	Burst	E to W	N/K	15-Sep, 22:18
	2-4km NNE	Recorded	7	Burst	E to W	N/K	15-Sep, 22:20
	2-4km N	Recorded	2	Projectile	W to E	N/K	15-Sep, 22:20
	2-4km N	Recorded	14	Projectile	W to E	N/K	15-Sep, 22:23
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:24
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:26
	2-4km N	Recorded	8	Projectile	W to E	N/K	15-Sep, 22:27
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:28
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:29
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 22:30
	2-4km N	Recorded	1	Illumination flare	N to S	N/K	15-Sep, 22:50
	2-4km NNE	Recorded	2	Burst	E to W	N/K	15-Sep, 23:34
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	15-Sep, 23:34
	2-4km N	Recorded	17	Projectile	W to E	N/K	15-Sep, 23:35
	2-4km NE	Recorded	1	Burst	E to W	N/K	15-Sep, 23:35
	2-4km N	Recorded	19	Projectile	W to E	N/K	15-Sep, 23:37
	2-4km N	Recorded	22	Projectile	W to E	N/K	15-Sep, 23:38
2-4km NNE	Recorded	2	Burst	E to W	N/K	15-Sep, 23:38	

	2-4km N	Recorded	1	Burst	W to E	N/K	15-Sep, 23:39
	2-4km N	Recorded	9	Projectile	W to E	N/K	15-Sep, 23:40
	2-4km NNE	Recorded	1	Burst	E to W	N/K	15-Sep, 23:41
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 23:42
	2-4km N	Recorded	1	Projectile	W to E	N/K	15-Sep, 23:47
	2-4km NNE	Recorded	1	Burst	E to W	N/K	15-Sep, 23:48
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	15-Sep, 23:48
	2-4km N	Recorded	5	Projectile	W to E	N/K	15-Sep, 23:50
	2-4km NNE	Recorded	1	Burst	E to W	N/K	15-Sep, 23:50
	2-4km N	Recorded	2	Projectile	W to E	N/K	15-Sep, 23:51
	2-4km NNE	Recorded	1	Burst	E to W	N/K	15-Sep, 23:52
	3-4km NNW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Sep, 02:01
0.8km S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	5-6km NW	Heard	2	Explosion	Undetermined	N/K	16-Sep, 14:21
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	16-Sep, 14:56
Novotroitske (government-controlled, 36km SW of Donetsk)	3-5km NW	Heard	1	Explosion	Undetermined	N/K	16-Sep, 15:00
	2km NNW	Heard	4	Explosion	Undetermined	N/K	16-Sep, 15:02-15:05
Chermalyk (government-controlled, 31km NE of Mariupol)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	16-Sep, 15:09
	1-2km NE	Heard	2	Explosion	Undetermined	N/K	16-Sep, 10:06-10:10
Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km SSW	Heard	4	Burst		Small-arms	16-Sep, 10:06-10:10
	3-5km SSW	Heard	8	Burst		HMG	15-Sep, 18:30-18:35
	3-5km SSW	Heard	4	Burst		HMG	15-Sep, 18:55-19:00
	3-5km SW	Heard	2	Burst		HMG	15-Sep, 19:01
	3-5km NW	Heard	4	Shot		Small-arms	15-Sep, 19:06
	3-5km NW	Heard	14	Shot		Small-arms	15-Sep, 19:10-19:12
	3-5km NW	Heard	5	Shot		Small-arms	15-Sep, 19:23
	3-5km NW	Heard	7	Shot		Small-arms	15-Sep, 19:25
	3-5km SSW	Heard	10	Burst		HMG	15-Sep, 19:26-19:28
	3-5km SSW	Heard	6	Burst		HMG	15-Sep, 19:30
	3-5km NW	Heard	2	Burst		HMG	15-Sep, 19:56
	5-7km W	Heard	1	Explosion	Undetermined	N/K	15-Sep, 21:16
	5-7km W	Heard	1	Explosion	Undetermined	N/K	15-Sep, 21:17
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	15-Sep, 23:50
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	15-Sep, 23:55
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Heard	7	Burst		HMG	15-Sep, 21:00-21:05
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	15-Sep, 21:20-21:22
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	15-Sep, 21:34
	4-5km SE	Heard	10	Burst		HMG	15-Sep, 21:34-21:36
	4-5km SE	Heard	10	Explosion	Undetermined	N/K	15-Sep, 22:45-22:50
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	15-Sep, 23:00-23:04
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	15-Sep,

							23:09-23:11
	4-5km S	Heard	5	Explosion	Undetermined	N/K	15-Sep, 23:24-23:27
	4-5km S	Heard	4	Explosion	Undetermined	N/K	15-Sep, 23:35-23:39
	4-5km S	Heard	1	Explosion	Undetermined	N/K	15-Sep, 23:58
	4-5km SE	Heard	25	Burst		HMG	16-Sep, 00:15-00:22
	4-5km S	Heard	5	Explosion	Undetermined	N/K	16-Sep, 00:15-00:20
E edge of Toshkivka (government- controlled, 60km NW of Luhansk)	8-10km ESE	Heard	215	Explosion	Undetermined	N/K	16-Sep, 11:24-11:55
	8-10km ESE	Heard	100	Bursts		HMG	16-Sep, 11:24-11:55
3km N of Pervomaisk (non- government- controlled, 58km W of Luhansk)	3-5km NE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Sep, 13:19-13:22
	3-5km NE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Sep, 13:50

Map of Donetsk and Luhansk regions²



² The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, 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).