

**Table of ceasefire violations as of 16 October 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date and time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	15-Oct, 22:16
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 22:16
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	15-Oct, 22:24
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	15-Oct, 22:26
	2-6km SSE	Recorded	1	Projectile	SSE to NNW	N/K	15-Oct, 22:55
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	16-Oct, 00:12
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Oct, 00:12
	2-4km SSE	Recorded	3	Burst	ENE to WSW	N/K	16-Oct, 00:12
	2-4km SSE	Recorded	12	Projectile	WSW to ENE	N/K	16-Oct, 03:16
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	16-Oct, 03:16
	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	16-Oct, 03:17
	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	16-Oct, 03:20
	2-4km SSE	Recorded	6	Projectile	WNW to ESE	N/K	16-Oct, 03:21
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	16-Oct, 05:14
	1-3km SSE	Recorded	1	Muzzle flash		N/K	15-Oct, 19:14
	1-3km SE	Recorded	3	Projectile	WNW to ESE	N/K	15-Oct, 19:14
	1-3km SSE	Recorded	1	Projectile	NW to SE	N/K	15-Oct, 19:14
	1-3km SSE	Recorded	5	Projectile	NW to SE	N/K	15-Oct, 19:16
	1-3km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 19:16
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:43
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	15-Oct, 20:16

<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.

2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	15-Oct, 20:17
2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	15-Oct, 20:18
2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Oct, 20:19
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 20:19
2-4km SSE	Recorded	20	Projectile	WSW to ENE	N/K	15-Oct, 20:20
2-4km SSE	Recorded	18	Projectile	WSW to ENE	N/K	15-Oct, 20:21
2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	15-Oct, 20:21
2-4km SSE	Recorded	12	Projectile	WSW to ENE	N/K	15-Oct, 20:22
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 20:22
2-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	15-Oct, 20:23
2-4km SSE	Recorded	19	Projectile	WSW to ENE	N/K	15-Oct, 20:24
2-4km SE	Recorded	1	Explosion	Impact	N/K	15-Oct, 20:24
2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	15-Oct, 20:25
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:27
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Oct, 20:27
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 20:32
2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	15-Oct, 20:37
2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	15-Oct, 20:41
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:43
2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	15-Oct, 20:46
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:46
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 20:48
2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:48
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:53
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Oct, 20:53
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	15-Oct, 20:54
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 20:54

	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Oct, 20:55
	2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	15-Oct, 20:56
	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	15-Oct, 20:58
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Oct, 20:59
	2-4km SSE	Recorded	6	Projectile	WSW to ENE	N/K	15-Oct, 21:00
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Oct, 21:54
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Oct, 22:20
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	15-Oct, 22:22
	2-4km SSE	Recorded	2	Burst	WSW to ENE	N/K	15-Oct, 22:23
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	15-Oct, 22:37
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Oct, 03:38
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 18:36
	1-2km S	Recorded	1	Projectile	E to W	N/K	15-Oct, 18:36
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 18:37
	1-2km S	Recorded	3	Projectile	E to W	N/K	15-Oct, 18:42
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 18:56
	1-2km SSW	Recorded	11	Projectile	In vertical flight	N/K	15-Oct, 18:59
	1-2km SSW	Recorded	15	Projectile	In vertical flight	N/K	15-Oct, 19:00
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 19:01
	1-2km SSW	Recorded	30	Projectile	In vertical flight	N/K	15-Oct, 19:01
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:02
	1-2km S	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 19:13
	1-2km SW	Recorded	1	Illumination flare	In vertical flight	N/K	15-Oct, 19:37
	1-2km S	Recorded	9	Projectile	W to E	N/K	15-Oct, 19:58
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	15-Oct, 19:58
	2-3km S	Recorded	1	Projectile	SSW to NNE	N/K	15-Oct, 20:06
	1-2km S	Recorded	5	Projectile	WNW to ESE	N/K	15-Oct, 20:07
	1-2km S	Recorded	2	Projectile	WNW to ESE	N/K	15-Oct, 20:07
	1-2km S	Recorded	1	Projectile	W to E	N/K	15-Oct, 20:07
	2-3km S	Recorded	1	Projectile	WNW to ESE	N/K	15-Oct, 20:11
	1-2km S	Recorded	1	Projectile	WNW to ESE	N/K	15-Oct, 20:12
	1-2km S	Recorded	1	Projectile	S to N	N/K	15-Oct, 20:12
	1-2km S	Recorded	9	Muzzle flash		N/K	15-Oct, 20:16
	1-2km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:16
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	15-Oct, 20:56

	2-4km SSW	Recorded	1	Explosion	Impact	N/K	15-Oct, 20:56
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 21:55
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 21:56
	1-3km SSW	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 22:15
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 22:26
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km E	Recorded	6	Projectile	S to N	N/K	15-Oct, 03:42
	2-4km E	Recorded	4	Projectile	S to N	N/K	15-Oct, 03:43
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 03:44
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Oct, 03:45
	2-4km E	Recorded	6	Projectile	N to S	N/K	15-Oct, 03:50
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Oct, 03:50
	2-4km E	Recorded	7	Projectile	S to N	N/K	16-Oct, 00:13
	2-4km E	Recorded	7	Projectile	N to S	N/K	16-Oct, 01:24
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 01:24
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	16-Oct, 01:29
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	16-Oct, 01:38
	2-4km E	Recorded	1	Projectile	N to S	N/K	16-Oct, 01:59
	2-4km E	Recorded	3	Projectile	N to S	N/K	16-Oct, 02:09
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 02:14
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	16-Oct, 02:36
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	16-Oct, 02:36
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 02:52
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 02:53
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 02:59
	2-4km E	Recorded	4	Projectile	SW to NE	N/K	16-Oct, 03:03
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	16-Oct, 04:07
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	16-Oct, 04:12
	2-4km ENE	Recorded	10	Projectile	N to S	N/K	16-Oct, 04:15
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	16-Oct, 04:22

2-4km ENE	Recorded	2	Projectile	N to S	N/K	16-Oct, 05:20
2-4km ENE	Recorded	4	Projectile	N to S	N/K	16-Oct, 05:20
2-4km E	Recorded	5	Projectile	NNW to SSE	N/K	16-Oct, 05:41
2-4km E	Recorded	10	Projectile	NNW to SSE	N/K	16-Oct, 05:42
2-5km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 18:44
2-5km ENE	Recorded	3	Projectile	S to N	N/K	15-Oct, 18:45
2-5km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 18:45
2-5km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 18:46
2-5km ESE	Recorded	1	Muzzle flash		N/K	15-Oct, 18:47
2-5km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 18:49
2-5km ENE	Recorded	7	Projectile	N to S	N/K	15-Oct, 18:50
2-5km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 18:51
2-5km ENE	Recorded	1	Projectile	S to N	N/K	15-Oct, 18:51
2-5km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 18:59
2-5km ENE	Recorded	1	Muzzle flash		N/K	15-Oct, 19:08
2-5km ENE	Recorded	5	Projectile	N to S	N/K	15-Oct, 19:09
2-5km NE	Recorded	1	Projectile	N to S	N/K	15-Oct, 19:12
2-5km ENE	Recorded	1	Projectile	S to N	N/K	15-Oct, 19:14
2-5km ENE	Recorded	12	Projectile	N to S	N/K	15-Oct, 19:16
2-5km ENE	Recorded	5	Projectile	S to N	N/K	15-Oct, 19:16
2-5km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 19:22
2-5km E	Recorded	2	Projectile	N to S	N/K	15-Oct, 19:39
2-5km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 19:45
2-5km E	Recorded	1	Projectile	S to N	N/K	15-Oct, 19:48
2-5km ENE	Recorded	8	Projectile	N to S	N/K	15-Oct, 19:48
2-5km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 19:50
2-5km ENE	Recorded	9	Projectile	N to S	N/K	15-Oct, 19:57

2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 20:06
2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:06
2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 20:23
2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:23
2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 20:24
2-4km ENE	Recorded	10	Projectile	NNW to SSE	N/K	15-Oct, 20:25
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:25
2-4km ENE	Recorded	3	Projectile	NW to SE	N/K	15-Oct, 20:27
2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	15-Oct, 20:27
2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Oct, 20:31
2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:31
2-4km ENE	Recorded	5	Projectile	N to S	N/K	15-Oct, 20:32
2-4km ENE	Recorded	5	Projectile	WNW to ESE	N/K	15-Oct, 20:32
2-4km ENE	Recorded	10	Projectile	NNW to SSE	N/K	15-Oct, 20:33
2-4km ENE	Recorded	6	Projectile	N to S	N/K	15-Oct, 20:41
2-4km ENE	Recorded	4	Explosion	Undetermined	N/K	15-Oct, 20:41
2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 20:45
2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 20:48
2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 20:56
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:56
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 20:57
2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 20:57
2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 21:07
2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	15-Oct, 21:17
2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 21:18
2-4km E	Recorded	2	Projectile	N to S	N/K	15-Oct, 21:41
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 21:47

	2-4km E	Recorded	13	Projectile	N to S	N/K	15-Oct, 22:24
	2-4km E	Recorded	3	Projectile	N to S	N/K	15-Oct, 22:25
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 22:35
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 22:36
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 22:42
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 22:47
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 22:47
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 23:09
	2-4km E	Recorded	16	Projectile	N to S	N/K	15-Oct, 23:12
	2-4km SE	Recorded	1	Projectile	S to N	N/K	15-Oct, 23:12
	2-4km ENE	Recorded	3	Muzzle flash		N/K	15-Oct, 23:17
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Oct, 23:46
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 23:53
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	15-Oct, 23:54
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 23:55
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	1-3km E	Recorded	1	Projectile	NE to SW	N/K	15-Oct, 20:34
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	3	Projectile	WSW to ENE	N/K	16-Oct, 00:27
	2-4km ENE	Recorded	30	Explosion	Undetermined	N/K	16-Oct, 00:28
	2-4km ENE	Recorded	2	Projectile	In vertical flight	N/K	16-Oct, 00:29
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	16-Oct, 00:29
	2-4km ENE	Recorded	6	Explosion	Undetermined	N/K	16-Oct, 00:30
	2-4km ENE	Recorded	2	Projectile	SSE to NNW	N/K	16-Oct, 00:30
	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	16-Oct, 00:30
	2-4km NE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 20:48
	2-4km NE	Recorded	1	Projectile	NNW to SSE	N/K	15-Oct, 20:48
	SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Projectile	In vertical flight	N/K
1-3km ESE		Recorded	1	Illumination flare	In vertical flight	N/K	16-Oct, 01:11

	1-3km E	Recorded	1	Explosion	Undetermined	N/K	16-Oct, 02:26
	2-4km ENE	Recorded	5	Explosion	Undetermined	N/K	15-Oct, 19:13
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 19:23
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	15-Oct, 21:20
	2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	15-Oct, 22:08
	2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	15-Oct, 22:10
	2-4km E	Recorded	2	Projectile	NNW to SSE	N/K	15-Oct, 22:16
	2-4km E	Recorded	8	Projectile	SSW to NNE	N/K	15-Oct, 22:21
	2-4km E	Recorded	3	Projectile	NNW to SSE	N/K	15-Oct, 22:21
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	15-Oct, 22:30
	2-4km ESE	Recorded	1	Projectile	Undetermined	N/K	15-Oct, 22:30
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	4	Projectile	N to S	N/K	15-Oct, 22:02
	2-4km ESE	Recorded	3	Burst	N to S	N/K	15-Oct, 22:02
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 22:02
	2-4km ESE	Recorded	6	Projectile	S to N	N/K	15-Oct, 22:10
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	2	Projectile	E to W	N/K	16-Oct, 01:24
	2-4km S	Recorded	4	Projectile	E to W	N/K	16-Oct, 01:25
	3-5km SSE	Recorded	2	Projectile	E to W	N/K	15-Oct, 19:04
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 22:41
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	3	Projectile	S to N (assessed as outside the disengagement area)	N/K	15-Oct, 18:18
	2-4km SSE	Recorded	2	Projectile	ENE to WSW (unable to assess whether inside or outside the disengagement area)	N/K	15-Oct, 18:32
	2-4km S	Recorded	1	Projectile	NE to SW (unable to assess whether inside or outside the disengagement area)	N/K	15-Oct, 18:32
SE edge of Avdiivka	2-3km SE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 10:20

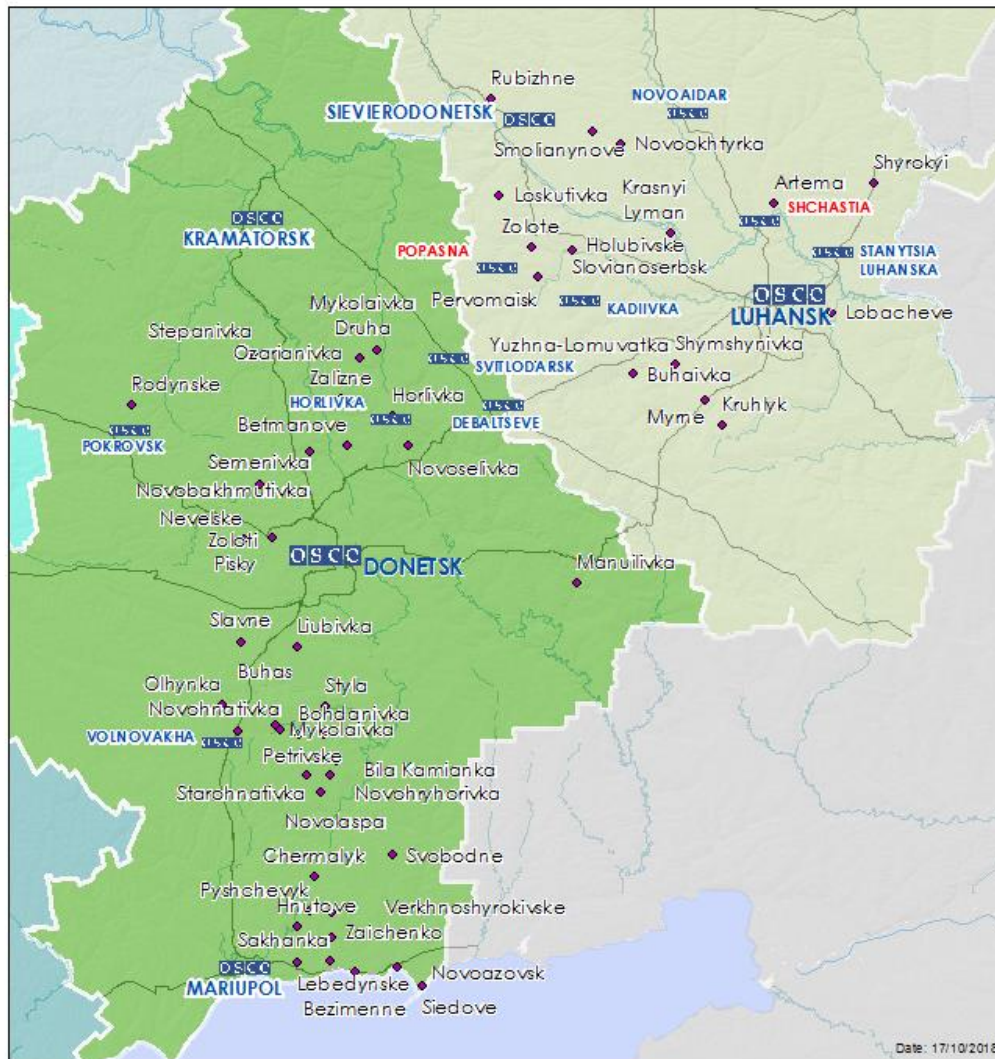


(government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 11:20
	2-3km SE	Heard	3	Explosion	Undetermined	N/K	16-Oct, 11:48
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	2-3km W	Heard	2	Burst		HMG	16-Oct, 10:47
1.1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NNW	Heard	2	Burst		Small arms	16-Oct, 09:20
	2-3km NNW	Heard	3	Burst		Small arms	16-Oct, 09:43
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 10:15
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	16-Oct, 10:20
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 11:20-11:26
	3-4km SW	Heard	4	Burst		HMG	16-Oct, 11:26
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 11:50
	2-3km NW	Heard and saw	2	Explosion	Undetermined	N/K	16-Oct, 13:32-13:35
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 13:36
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	16-Oct, 13:37
	1km SW	Heard	5	Shot		Small arms	16-Oct, 13:53
	0.5-1km SW	Heard	Uncountable	Shot and burst	Overlapping	Small arms	16-Oct, 13:57-13:59
	0.5-1km SW	Heard	Uncountable	Shot and burst	Overlapping	Small arms	16-Oct, 14:04-14:07
	5-6km SW	Heard	2	Explosion	Undetermined	N/K	16-Oct, 14:32-14:37
	3km E of Starohnativka (government-controlled, 51km S of Donetsk)	N/K SSE	Heard	11	Explosion	Undetermined	N/K
2km SW from Mytkovo-Kachkari (non-government-controlled, 32km NE of Mariupol)	N/K NNE	Heard	4	Explosion		N/K	16-Oct, 11:55-11:57
	N/K NNE	Heard	5	Explosion		N/K	16-Oct, 12:15-12:17
	N/K NNE	Heard	1	Explosion		N/K	16-Oct, 12:25
2km SW of Hranitne (government-controlled 60 Km S of Donetsk)	N/K NNW	Heard	1	Explosion		N/K	16-Oct, 12:01
	N/K NNE	Heard	1	Explosion		N/K	16-Oct, 12:09-12:12
	N/K ESE	Heard	7	Explosion		N/K	16-Oct, 12:09-12:12
	N/K ESE	Heard	1	Explosion		N/K	16-Oct, 12:21
	1-2km ENE	Heard	1	Shot		Small arms	16-Oct, 12:25
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km W	Heard	5	Explosion	Undetermined	N/K	15-Oct, 19:00-19:01
	5-7km SW	Heard	4	Explosion	Undetermined	N/K	15-Oct, 19:32-19:33

NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	2-3km NNE	Heard	6	Burst		HMG	16-Oct, 09:14
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 13:39
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-6km SSE	Heard	14	Explosion	Undetermined	N/K	15-Oct, 19:01-19:08
	5-6km SE	Heard	5	Burst		HMG	15-Oct, 19:06-19:08
	5-6km SE	Heard	10	Burst		HMG	15-Oct, 19:13-19:18
	2-3km SE	Heard	8	Explosion	Undetermined	N/K	15-Oct, 19:28-19:29
	3-4km SE	Heard	5	Explosion	Undetermined	N/K	15-Oct, 19:30-19:31
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 19:51
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 21:27
	3-4km SE	Heard	10	Burst		HMG	15-Oct, 21:48-21:50
	3-4km SE	Heard	7	Burst		HMG	15-Oct, 21:55-21:57
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 22:25
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 22:51
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 23:08
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Oct, 23:23-23:25
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 23:49
	3km SSE	Heard	8	Explosion	Undetermined	N/K	16-Oct, 07:04-07:06
	2-3km SE	Heard and saw	50	Burst	Outgoing	Anti-aircraft gun (ZU-23, 23mm)	16-Oct, 14:06-14:09
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 17:50
	2km WSW of Zalizne (government-controlled, 42km NE of Donetsk)	2km ESE	Heard	1	Shot		Small arms
2-4km SE		Heard	11	Explosion	Undetermined	N/K	16-Oct, 13:45-13:52
3-5km SE		Heard	2	Explosion	Undetermined	N/K	16-Oct, 14:08
4-5km S		Heard	7	Explosion	Undetermined	N/K	16-Oct, 14:10-14:12
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	2-3km NNE	Heard	6	Burst		HMG	16-Oct, 09:14
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 13:39
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 13:42
	3-5km SW	Heard	4	Explosion	Undetermined	N/K	16-Oct, 13:52
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	16-Oct, 14:02
	3-5km SW	Heard	6	Explosion	Undetermined	N/K	16-Oct, 14:23

1.6km SSE of Kamianka (government-controlled, 20km N of Donetsk)	1-2km SE	Heard	Uncountable	Shots and bursts	Overlapping fire for 5 minutes	Small arms	16-Oct, 10:25-10:30
	1-2km	Heard	8	Burst		Small arms	16-Oct, 11:55
	0.5-1km E	Heard	10	Shot		Small arms	16-Oct, 13:10
	1-2km NE	Heard	1	Explosion	Undetermined	N/K	16-Oct, 13:35
	2-3km S	Heard	12	Shot		Small arms	16-Oct, 13:55
	2-3km S	Heard	8	Shot		Small arms	16-Oct, 14:02
	1-2km ESE	Heard	13	Shot		Small arms	16-Oct, 14:07-14:13
3km SE of Kurdiuvivka (government-controlled 54km N of Donetsk)	1km SE	Heard	2	Burst		Small arms	16-Oct, 10:57
	0.1-0.2km SE	Heard	5	Shot		Small arms	16-Oct, 11:02
1.5 km N Luhanske (government controlled, 59km NE of Donetsk)	4-5km E	Heard	6	Explosion	Undetermined	N/K	16-Oct, 12:30
E edge of Stanytsia Luhanska (government- controlled, 16km NE of Luhansk)	5-7km SSE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Oct, 20:09-20:15
	3-5km SW	Heard	5	Shot	Assessed as outside the disengagement area	Anti-aircraft gun (ZU-23-2)	15-Oct, 21:03-21:08
1.3km SE of Holubivske (non-government- controlled, 51km W of Luhansk)	5-10km NNE	Heard	2	Explosion	Undetermined	N/K	16-Oct, 10:33-10:44
	5-10km NNE	Heard	74	Burst		Small Arms	16-Oct, 10:33-10:44
NW outskirts of Holubivske (non- government-controlled, 51km W of Luhansk)	3-5km NE	Heard	13	Explosion	Undetermined	N/K	16-Oct, 11:23-11:50
	3-5km NE	Heard	16	Burst		HMG	16-Oct, 11:23-11:50
1.9km NW of Troitske (government-controlled, 69km W of Luhansk)	3km NE	Heard	2	Burst		HMG	16-Oct, 10:40-10:42
	6-10km NE	Heard	3	Explosion	Undetermined	N/K	16-Oct, 12:18-12:20

### 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).