

**Table of ceasefire violations as of 12 May 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Muzzle flash		N/K	10-May, 23:30
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	10-May, 23:30
	2-4km SE	Recorded	2	Explosion		N/K	10-May, 23:30
	2-4km SE	Recorded	6	Explosion	Undetermined	N/K	10-May, 23:31
	2-4km SE	Recorded	6	Explosion	Undetermined	N/K	10-May, 23:31
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	4-6km S	Recorded	1	Projectile	WSW to ENE	N/K	10-May, 20:53
	4-6km SSE	Recorded	10	Projectile	WSW to ENE	N/K	10-May, 21:59
	4-6km SSE	Recorded	11	Projectile	WSW to ENE	N/K	10-May, 22:00
	4-6km SSE	Recorded	2	Projectile	ENE to WSW	N/K	10-May, 22:00
	4-6km SE	Recorded	2	Projectile	ENE to WSW	N/K	10-May, 22:01
	4-6km SE	Recorded	2	Projectile	WSW to ENE	N/K	10-May, 22:04
	2-3km S	Recorded	2	Projectile	WSW to ENE	N/K	10-May, 22:10
	4-6km S	Recorded	6	Projectile	WSW to ENE	N/K	10-May, 22:37
	2-3km S	Recorded	2	Projectile	WSW to ENE	N/K	10-May, 23:09
	2-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	10-May, 23:27
	2-3km S	Recorded	3	Projectile	WSW to ENE	N/K	11-May, 00:10
	4-6km SSE	Recorded	2	Projectile	ENE to WSW	N/K	11-May, 01:17
	4-6km SSE	Recorded	3	Projectile	WSW to ENE	N/K	11-May, 01:17
	4-6km S	Recorded	1	Projectile	WSW to ENE	N/K	11-May, 01:27
	1-2km S	Recorded	1	Projectile	WSW to ENE	N/K	11-May, 01:44
	2-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	11-May, 03:33
	2-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	11-May, 03:33
	3.5-5km SE	Recorded	1	Explosion	Impact	N/K	11-May, 11:33
	3.5-5km SE	Recorded	1	Explosion	Impact	N/K	11-May, 11:48
	SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-0.8km S	Recorded	1	Projectile	WNW to ESE	N/K
0.5-0.8km S		Recorded	1	Explosion	Undetermined	N/K	10-May, 22:31
1-2km SSE		Recorded	1	Explosion	Undetermined	N/K	10-May, 23:29
1-2km SSW		Recorded	1	Muzzle flash		N/K	10-May, 23:30
1-2km SSW		Recorded	3	Explosion	Undetermined	N/K	10-May, 23:30
1-2km SSW		Recorded	1	Explosion	Undetermined	N/K	10-May, 23:30
1-2km SSE		Recorded	1	Explosion	Airburst	N/K	10-May, 23:31
1-2km SSE		Recorded	1	Explosion	Undetermined	N/K	10-May, 23:31
1-3km SSW		Recorded	5	Explosion	Undetermined	N/K	10-May, 23:31
1-2km SSW		Recorded	1	Muzzle flash		N/K	10-May, 23:31
0.5-0.8km SSW		Recorded	5	Projectile	NW to SE	N/K	11-May, 00:01
1-2km SSW		Recorded	8	Projectile	NNW to SSE	N/K	11-May, 00:35
1-2km SSW		Recorded	1	Projectile	WNW to ESE	N/K	11-May, 00:37
1-2km SSW		Recorded	1	Projectile	WNW to ESE	N/K	11-May, 00:52
1-2km SSW		Recorded	1	Projectile	WNW to ESE	N/K	11-May, 02:09
1-2km SSW		Recorded	1	Projectile	NNW to SSE	N/K	11-May, 03:58
1-2km SSW		Recorded	1	Projectile	WNW to ESE	N/K	11-May, 03:58
1-3km SSW		Recorded	1	Projectile	NNW to SSE	N/K	11-May, 03:59
0.5-1km SSW		Recorded	1	Explosion	Airburst	N/K	11-May, 18:17
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)		2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	10-May, 21:09
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	10-May, 21:13
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	10-May, 21:21

<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.

	3-5km E	Recorded	8	Projectile	In vertical flight	N/K	10-May, 21:38
	3-5km E	Recorded	6	Projectile	In vertical flight	N/K	10-May, 21:39
	3-5km E	Recorded	1	Projectile	In vertical flight	N/K	10-May, 21:40
	3-5km E	Recorded	3	Projectile	S to N	N/K	11-May, 00:39
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km N	Recorded	1	Explosion	Undetermined	N/K	10-May, 22:21
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	10-May, 22:39
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	11-May, 00:25
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	10-May, 23:30
	2-4km NE	Recorded	6	Explosion	Undetermined	N/K	10-May, 23:31
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-3km S	Recorded	27	Projectile	In vertical flight	N/K	10-May, 21:35
	2-3km S	Recorded	1	Explosion	Airburst	N/K	10-May, 21:38
	2-3km S	Recorded	4	Projectile	W to E	N/K	10-May, 21:47
	3-4km S	Recorded	5	Projectile	W to E	N/K	10-May, 22:12
	3-4km S	Recorded	2	Projectile	E to W	N/K	10-May, 22:13
	2-3km S	Recorded	1	Projectile	W to E	N/K	10-May, 22:46
	2-3km S	Recorded	1	Projectile	In vertical flight	N/K	10-May, 22:48
	2-3km S	Recorded	4	Projectile	In vertical flight	N/K	10-May, 22:49
	3-4km S	Recorded	5	Projectile	E to W	N/K	11-May, 00:17
	3-4km S	Recorded	6	Projectile	In vertical flight	N/K	11-May, 00:18
	2-3km S	Recorded	2	Projectile	E to W	N/K	11-May, 00:46
	3-4km S	Recorded	4	Projectile	E to W	N/K	11-May, 00:55
	3-4km S	Recorded	1	Projectile	W to E	N/K	11-May, 00:56
	3-4km S	Recorded	4	Explosion	Undetermined	N/K	11-May, 01:21
	2-3km S	Recorded	1	Explosion	Undetermined	N/K	11-May, 01:25
	2-3km S	Recorded	1	Illumination flare	In vertical flight	N/K	11-May, 01:27
	3-4km S	Recorded	3	Projectile	E to W	N/K	11-May, 02:04
2-3km S	Recorded	1	Explosion	Undetermined	N/K	11-May, 02:18	
3-4km S	Recorded	3	Projectile	In vertical flight	N/K	11-May, 03:44	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	11-May, 00:17
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	11-May, 01:02
	2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	11-May, 01:03
	2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	11-May, 01:07
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	2	Explosion	Undetermined	N/K	11-May, 09:16-09:22
	0.5-1km SE	Heard	6	Explosion	Undetermined	N/K	11-May, 10:00-10:47
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	5	Explosion	Undetermined	N/K	11-May, 12:37-12:45
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	11-May, 13:50-14:15
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-6km SW	Heard	4	Explosion	Undetermined	N/K	11-May, 09:11-09:21
	2km WSW	Heard	5	Shot		Small arms	11-May, 10:10
	2-3km SW	Heard	5	Shot		Small arms	11-May, 13:55
	2-3km SW	Heard	2	Burst		Small arms	11-May, 14:11
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	11-May, 10:55
2.5km SSE of	N/K E	Heard	1	Explosion	Undetermined	N/K	11-May, 10:59

Lomakyne (government-controlled, 15km NE of Mariupol)							
2km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K E	Heard	1	Explosion	Undetermined	N/K	11-May, 10:40
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K ENE	Heard	1	Explosion	Undetermined	N/K	11-May, 11:33
	N/K NE	Heard	4	Burst		HMG	11-May, 13:35
	N/K E	Heard	1	Explosion	Undetermined	N/K	11-May, 13:35
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km SW	Heard	7	Explosion	Undetermined	N/K	10-May, 18:31-18:32
	3-5km SW	Heard	106	Explosion	Undetermined	N/K	10-May, 19:08-19:50
	3-5km SW	Heard	35	Burst		HMG	10-May, 19:08-19:50
	3-5km W	Heard	12	Burst		HMG	10-May, 20:00-20:13
	3-5km SW	Heard	6	Explosion	Undetermined	N/K	10-May, 20:13
	3-5km SW	Heard	6	Burst		HMG	10-May, 20:30-20:32
	3-5km SW	Heard	1	Explosion	Undetermined	N/K	10-May, 21:30
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	11-May, 02:40
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km SW	Heard	6	Burst		HMG	11-May, 06:06
	0.5-1km E	Heard	1	Explosion	Undetermined	N/K	11-May, 08:54
	0.5-1km E	Heard	1	Explosion	Undetermined	N/K	11-May, 09:02
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km ESE	Heard	1	Explosion	Undetermined	N/K	11-May, 11:55
2km S of Muratove (government-controlled, 51km NW of Luhansk)	6-10km SW	Heard	1	Explosion	Undetermined	N/K	11-May, 10:07
NW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1-2km W	Heard	36	Shot	Could not be assessed as inside or outside the Zolote disengagement area	Small arms	11-May, 10:53-11:10
Kalynove (non-government controlled, 60km W of Luhansk)	4-6km SW	Heard	25	Burst		HMG	11-May, 11:56-12:16
	4-6km SW	Heard	26	Explosion	Undetermined	N/K	11-May, 11:56-12:16
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	11-May, 12:43-12:45
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SSE	Recorded	1	Illumination flare	WSW to ENE	N/K	11-May, 23:46
	3-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 01:51
	3-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 01:52
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	3-5km S	Recorded	9	Projectile	WSW to ENE	N/K	11-May, 21:27
	2-3km SSE	Recorded	7	Projectile	WSW to ENE	N/K	11-May, 21:57
	9-12km S	Recorded	34	Projectile	WSW to ENE	N/K	11-May, 22:09
	9-12km SSE	Recorded	6	Projectile	ENE to WSW	N/K	11-May, 22:23
	2-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	11-May, 22:32
	9-12km S	Recorded	3	Projectile	WSW to ENE	N/K	11-May, 22:47

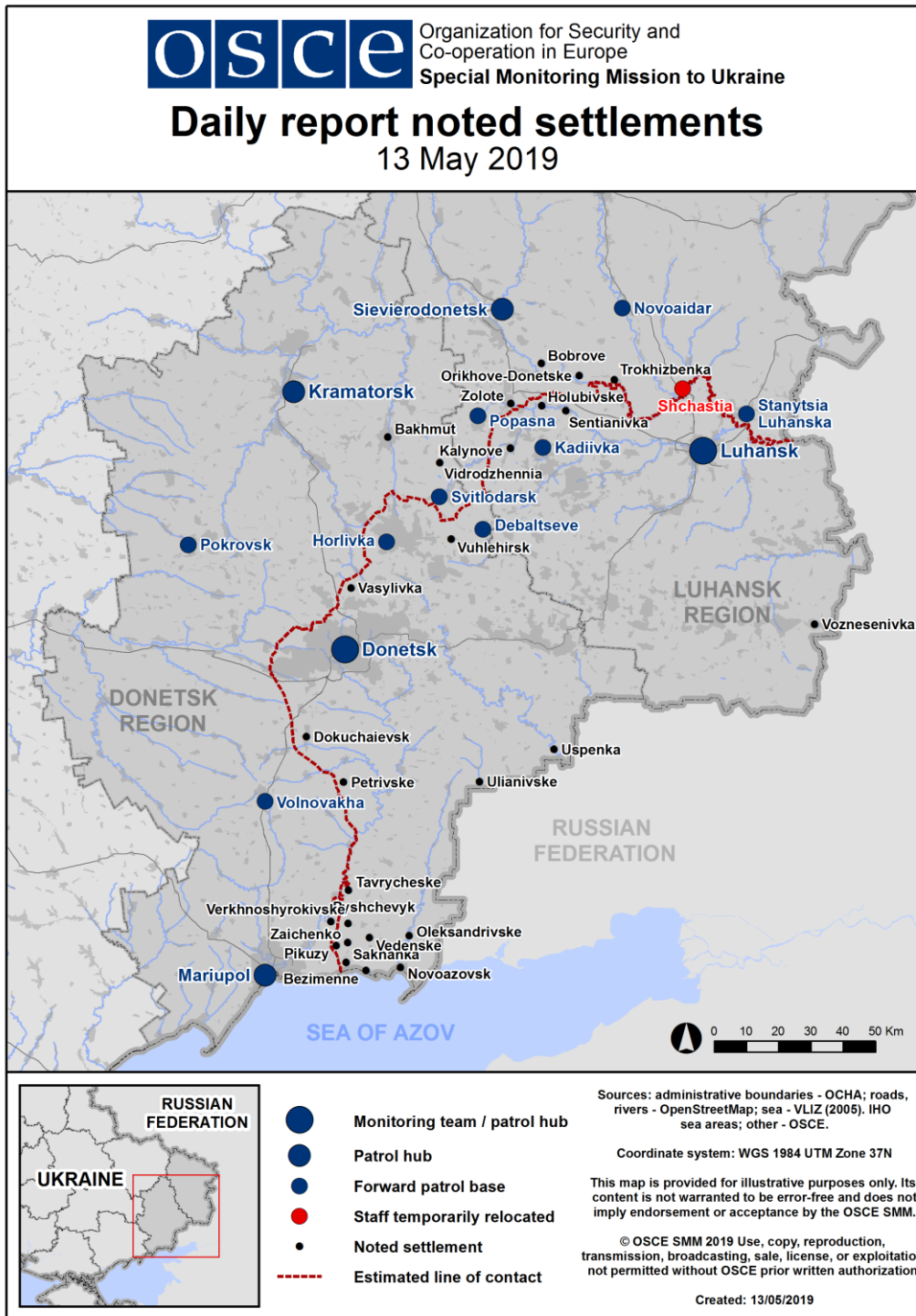
	2-3km SE	Recorded	6	Projectile	ENE to WSW	N/K	11-May, 23:02
	2-3km SE	Recorded	15	Projectile	ENE to WSW	N/K	11-May, 23:03
	2-3km SSE	Recorded	7	Projectile	WSW to ENE	N/K	11-May, 23:03
	2-3km SSE	Recorded	3	Projectile	In vertical flight	N/K	11-May, 23:03
	2-3km SSE	Recorded	15	Projectile	WSW to ENE	N/K	11-May, 23:04
	2-3km SSE	Recorded	18	Projectile	WSW to ENE	N/K	11-May, 23:05
	2-3km SSE	Recorded	7	Projectile	WSW to ENE	N/K	11-May, 23:06
	2-3km SE	Recorded	4	Projectile	ENE to WSW	N/K	11-May, 23:51
	2-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	11-May, 23:52
	2-3km SE	Recorded	3	Projectile	ENE to WSW	N/K	12-May, 00:28
	2-3km SE	Recorded	3	Projectile	ENE to WSW	N/K	12-May, 00:43
	2-3km SE	Recorded	3	Projectile	ENE to WSW	N/K	12-May, 00:47
	2-3km SE	Recorded	3	Projectile	ENE to WSW	N/K	12-May, 02:21
	2-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	12-May, 02:31
	2-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	12-May, 02:40
	2-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	12-May, 02:44
	2-3km SSE	Recorded	5	Projectile	WSW to ENE	N/K	12-May, 02:45
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	12-May, 02:52
	2-3km SSE	Recorded	1	Muzzle flash		N/K	12-May, 02:57
	2-3km SE	Recorded	2	Projectile	ENE to WSW	N/K	12-May, 02:59
	3-5km S	Recorded	3	Projectile	WSW to ENE	N/K	12-May, 03:28
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km S	Recorded	11	Explosion	Impact	N/K	11-May, 21:14
	2-4km S	Recorded	10	Explosion	Impact	N/K	11-May, 21:15
	2-4km S	Recorded	10	Explosion	Impact	N/K	11-May, 21:16
	2-4km S	Recorded	4	Explosion	Impact	N/K	11-May, 21:17
	2-4km S	Recorded	13	Explosion	Impact	N/K	11-May, 21:18
	2-4km S	Recorded	19	Explosion	Impact	N/K	11-May, 21:19
	2-4km S	Recorded	16	Explosion	Impact	N/K	11-May, 21:20
	2-4km S	Recorded	23	Explosion	Impact	N/K	11-May, 21:21
	2-4km S	Recorded	19	Explosion	Impact	N/K	11-May, 21:22
	2-4km S	Recorded	14	Explosion	Impact	N/K	11-May, 21:23
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	11-May, 21:25
	1-2km SSW	Recorded	2	Projectile	E to W	N/K	11-May, 21:25
	1-3km SSW	Recorded	1	Projectile	In vertical flight	N/K	11-May, 21:25
	1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	11-May, 21:42
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	11-May, 22:00
	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 01:52
	1-3km SSW	Recorded	2	Projectile	W to E	N/K	12-May, 02:06
	1-3km SSW	Recorded	2	Projectile	In vertical flight	N/K	12-May, 02:29
	1-3km SSW	Recorded	4	Projectile	In vertical flight	N/K	12-May, 02:30
	1-2km S	Recorded	1	Projectile	WNW to ESE	N/K	12-May, 03:01
1-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	12-May, 03:55	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km E	Recorded	2	Projectile	S to N	N/K	11-May, 21:59
	3-5km E	Recorded	1	Projectile	S to N	N/K	11-May, 22:12
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	11-May, 22:47
	3-5km E	Recorded	5	Projectile	S to N	N/K	11-May, 23:11
	3-5km E	Recorded	1	Projectile	N to S	N/K	11-May, 23:19
	3-5km E	Recorded	3	Projectile	S to N	N/K	11-May, 23:38
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	12-May, 01:23
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	12-May, 01:27
2-4km E	Recorded	1	Explosion	Undetermined	N/K	12-May, 04:12	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km NNE	Recorded	10	Projectile	WNW to ESE	N/K	11-May, 20:42
	6-8km NE	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 01:51
	6-8km NE	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 01:52
SMM camera at entry-exit checkpoint in Pyshchevyk (government-	1-2km S	Recorded	1	Projectile	ENE to WSW	N/K	11-May, 20:41
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	11-May, 21:23
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	11-May, 21:27
	3-4km S	Recorded	8	Projectile	W to E	N/K	11-May, 21:27
	1-2km S	Recorded	4	Projectile	W to E	N/K	11-May, 21:27

controlled, 25km NE of Mariupol)	3-4km S	Recorded	2	Projectile	In vertical flight	N/K	11-May, 21:47
	3-4km S	Recorded	1	Projectile	WSW to ENE	N/K	11-May, 21:55
	3-4km S	Recorded	34	Projectile	W to E	N/K	11-May, 22:09
	1-4km S	Recorded	1	Explosion	Airburst	N/K	11-May, 22:09
	3-4km S	Recorded	6	Projectile	E to W	N/K	11-May, 22:23
	3-4km S	Recorded	5	Projectile	E to W	N/K	11-May, 22:37
	3-4km S	Recorded	1	Projectile	W to E	N/K	11-May, 22:43
	3-4km S	Recorded	3	Projectile	W to E	N/K	11-May, 22:47
	3-4km S	Recorded	1	Projectile	E to W	N/K	11-May, 22:57
	3-4km S	Recorded	5	Projectile	E to W	N/K	11-May, 23:01
	3-4km S	Recorded	4	Projectile	E to W	N/K	11-May, 23:30
	3-4km S	Recorded	4	Projectile	E to W	N/K	11-May, 23:41
	3-4km S	Recorded	12	Projectile	E to W	N/K	11-May, 23:46
	3-4km S	Recorded	2	Projectile	E to W	N/K	11-May, 23:52
	3-4km S	Recorded	1	Projectile	W to E	N/K	11-May, 23:55
	3-4km S	Recorded	1	Projectile	E to W	N/K	12-May, 00:09
	3-4km S	Recorded	5	Projectile	E to W	N/K	12-May, 00:10
	3-4km S	Recorded	8	Projectile	W to E	N/K	12-May, 00:10
	3-4km S	Recorded	1	Projectile	W to E	N/K	12-May, 00:11
	3-4km S	Recorded	1	Projectile	E to W	N/K	12-May, 00:19
	3-4km S	Recorded	12	Projectile	E to W	N/K	12-May, 00:21
	3-4km S	Recorded	8	Projectile	E to W	N/K	12-May, 00:22
	3-4km S	Recorded	7	Projectile	E to W	N/K	12-May, 00:23
	3-4km S	Recorded	1	Projectile	W to E	N/K	12-May, 00:23
	3-4km S	Recorded	1	Burst	E to W	N/K	12-May, 00:26
	3-4km S	Recorded	1	Projectile	E to W	N/K	12-May, 00:30
	3-4km S	Recorded	1	Explosion	Impact	N/K	12-May, 00:30
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	12-May, 00:50
	3-4km S	Recorded	3	Projectile	E to W	N/K	12-May, 01:12
	3-4km S	Recorded	4	Projectile	E to W	N/K	12-May, 01:13
	3-4km S	Recorded	1	Projectile	E to W	N/K	12-May, 01:19
	3-4km SSE	Recorded	4	Projectile	E to W	N/K	12-May, 02:02
	3-4km SSE	Recorded	3	Projectile	E to W	N/K	12-May, 02:06
3-4km SSW	Recorded	10	Projectile	E to W	N/K	12-May, 02:36	
3-4km S	Recorded	1	Projectile	E to W	N/K	12-May, 02:39	
3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	12-May, 03:10	
3-4km SSE	Recorded	6	Projectile	E to W	N/K	12-May, 03:11	
3-4km SSE	Recorded	14	Projectile	E to W	N/K	12-May, 03:20	
3-4km SSE	Recorded	3	Projectile	W to E	N/K	12-May, 03:27	
3-4km SSE	Recorded	7	Projectile	E to W	N/K	12-May, 03:27	
3-4km SSE	Recorded	9	Projectile	W to E	N/K	12-May, 03:30	
3-4km SSE	Recorded	1	Projectile	E to W	N/K	12-May, 03:30	
SMM camera 1km SW of Shyrokyne (government-controlled, 20km E of Mariupol)	2-3km NNE	Recorded	1	Projectile	ESE to WNW	N/K	12-May, 01:48
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	12-May, 03:28
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	12-May, 09:32
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	12-May, 09:35
	2-3km SW	Heard and saw	1	Explosion	Impact	N/K	12-May, 09:35
	3-4km NNW	Heard	3	Explosion	Undetermined	N/K	12-May, 09:44-10:00
	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	12-May, 10:06
	1.5km W	Heard	3	Shot		Small arms	12-May, 13:49-14:09
	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	12-May, 14:16
2-3km N	Heard	1	Explosion	Undetermined	N/K	12-May, 14:20	
2-3km WSW	Heard and	1	Explosion	Undetermined	N/K	12-May, 14:24	

		saw					
	2-3km WSW	Heard	2	Explosion	Undetermined	N/K	12-May, 14:24-14:28
	4-6km NNW	Heard	2	Explosion	Undetermined	N/K	12-May, 14:53-14:54
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	12-May, 14:58-15:00
	2-3km SW	Heard and saw	1	Explosion	Impact	N/K	12-May, 15:00
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	2	Explosion	Undetermined	N/K	12-May, 09:36
	2-4km NE	Heard	2	Explosion	Undetermined	N/K	12-May, 09:57-10:01
	1-2km S	Heard	2	Explosion	Undetermined	N/K	12-May, 10:45-10:58
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	12-May, 12:23
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	12-May, 12:51
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	12-May, 14:20
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	12-May, 14:28
About 1km S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	3-4km N	Heard and saw	1	Explosion	Undetermined	N/K	12-May, 14:10
3km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	2-3km SE	Heard	5	Shot		Small arms	12-May, 10:50-10:51
	1-1.5km SE	Heard	1	Shot		Small arms	12-May, 10:50-10:51
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km ESE	Heard	1	Explosion	Undetermined	N/K	12-May, 10:05
	5-6km W	Heard	1	Explosion	Undetermined	N/K	12-May, 10:06
	6-7km NW	Heard	6	Explosion	Undetermined	N/K	12-May, 10:30-10:36
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	11-May, 22:20
	2-4km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	11-May, 22:21
	3-5km SE	Recorded	1	Projectile	SW to NE (unable to be assessed as inside or outside the disengagement area)	N/K	11-May, 23:18
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (unable to be assessed as inside or outside the disengagement area)	N/K	11-May, 23:32
	3-4km ESE	Recorded	1	Muzzle flash	Unable to be assessed as inside or outside the disengagement area	N/K	11-May, 23:32
N edge of Popasna (government-controlled, 69km W)	2-6km ESE	Heard	12	Explosion	Impact and outgoing	Artillery (type N/K)	11-May, 19:23-19:43

of Luhansk)	2-4km ESE	Heard	4	Burst		HMG	11-May, 19:23-19:43
	2-4km ESE	Heard	2	Shot		N/K	11-May, 19:23-19:43
	2-6km SSE	Heard	84	Burst		HMG	11-May, 20:07-20:50
	2-6km SSE	Heard	77	Explosion	Undetermined	Artillery (type N/K)	11-May, 20:07-20:50
	2-4km SSE	Heard	95	Burst		HMG	11-May, 22:10-23:15
	2-6km SSE	Heard	183	Explosion	Undetermined	Artillery (type N/K)	11-May, 22:10-23:15
E edge of Popasna (government-controlled, 69km W of Luhansk)	1km NNE	Heard	10	Shot		Small arms	12-May, 10:01-10:03
N edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	8-10km NE	Heard	3	Explosion	Undetermined	N/K	12-May, 09:54-10:11
	8-10km NE	Heard	10	Burst		HMG	12-May, 09:54-10:11
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1km N	Heard	12	Shot	Assessed as outside the disengagement area	Small arms	12-May, 10:57-10:59
E edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1km NNE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	12-May, 11:12
	1km NNE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	12-May, 13:04
S edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	2-4km NE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	12-May, 11:27-11:35
3km SSW of Muratove (government-controlled, 51km NW of Luhansk)	7-10km SSW	Heard	5	Explosion	Undetermined	N/K	12-May, 11:20-11:35
Holubivske (non-government-controlled, 51km W of Luhansk)	4-5km NE	Heard	3	Explosion	Undetermined	N/K	12-May, 10:55-11:31
	4-5km NE	Heard	28	Shot		Small arms	12-May, 10:55-11:31
	4-5km NE	Heard	60	Burst		HMG	12-May, 10:55-11:31
SW edge of Zolote (government-controlled, 60km W of Luhansk)	2-3km SE	Heard	10	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	12-May, 11:25-11:45
NE edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	6-7km NW	Heard	2	Explosion	Undetermined	N/K	12-May, 12:18-12:29
	6-7km NW	Heard	5	Shot		Small arms	12-May, 12:18-12:29
	6-7km NW	Heard	5	Burst		HMG	12-May, 12:18-12:29

## 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).