

**Table of ceasefire violations as of 24 March 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)	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 19:43
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:36
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 18:39
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:39
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:40
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:40
	2-4km SE	Recorded	20	Projectile	ENE to WSW	N/K	22-Mar, 18:41
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:42
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:43
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:44
	2-4km SSE	Recorded	2	Burst	WSW to ENE	N/K	22-Mar, 18:49
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:49
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	22-Mar, 19:01
	2-4km SSE	Recorded	1	Burst	ENE to WSW	N/K	22-Mar, 19:04
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:05
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	22-Mar, 19:05
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	22-Mar, 19:05
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:06
	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	22-Mar, 19:06
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	22-Mar, 19:07
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:08
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	22-Mar, 19:08
	2-4km SE	Recorded	35	Projectile	ENE to WSW	N/K	22-Mar, 19:14
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:22
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:26
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:27
	1-3km SE	Recorded	7	Projectile	ENE to WSW	N/K	22-Mar, 19:37
	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	22-Mar, 19:39
	1-3km SE	Recorded	40	Projectile	ENE to WSW	N/K	22-Mar, 19:40
	1-3km SE	Recorded	6	Projectile	ENE to WSW	N/K	22-Mar, 19:41
	1-3km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 19:45
	2-4km SE	Recorded	20	Projectile	ENE to WSW	N/K	22-Mar, 19:48
	2-4km SE	Recorded	15	Projectile	ENE to WSW	N/K	22-Mar, 19:49
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 19:53
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 19:54
	3-5km S	Recorded	8	Projectile	W to E	N/K	22-Mar, 20:20
	3-5km SSE	Recorded	2	Muzzle flash		N/K	22-Mar, 20:20
	3-5km S	Recorded	3	Projectile	W to E	N/K	22-Mar, 20:23
	3-5km S	Recorded	5	Projectile	W to E	N/K	22-Mar, 20:24
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 22:24
	3-5km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 20:25
	3-5km S	Recorded	11	Projectile	W to E	N/K	22-Mar, 20:30
	3-5km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 20:42
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 20:42
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 22:15
	2-4km SE	Recorded	12	Projectile	ENE to WSW	N/K	22-Mar, 22:34
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 23:02
	2-4km S	Recorded	1	Projectile	NNE to SSW	N/K	22-Mar, 23:04
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 23:29	
2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 23:37	

<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 SSE	Recorded	6	Projectile	NE to SW	N/K	23-Mar, 00:44
	2-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	23-Mar, 00:47
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	23-Mar, 00:48
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:54
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:55
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 01:18
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 01:23
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 01:27
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 01:32
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 02:26
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 02:37
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	23-Mar, 02:37
	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	23-Mar, 02:48
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 02:48
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 03:15
	3-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 03:16
	3-5km SE	Recorded	8	Projectile	ENE to WSW	N/K	23-Mar, 03:51
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 03:52
4-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 04:08	
2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:16	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	22-Mar, 19:18
	1-3km SSW	Recorded	1	Projectile	In vertical flight	N/K	22-Mar, 21:19
	1-3km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 21:19
	1-3km SW	Recorded	2	Projectile	E to W	N/K	22-Mar, 21:51
	0.5-1.5km S	Recorded	1	Projectile	E to W	N/K	22-Mar, 22:13
	1-2km SW	Recorded	1	Illumination flare	W to E	N/K	23-Mar, 03:52
1-2km S	Recorded	1	Projectile	E to W	N/K	23-Mar, 04:02	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	1	Burst	S to N	N/K	22-Mar, 19:04
	2-4km ENE	Recorded	3	Muzzle flash		N/K	22-Mar, 20:08
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	22-Mar, 20:09
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:10
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 20:15
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:20
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:23
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	22-Mar, 20:24
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:25
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:26
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:27
	2-4km ENE	Recorded	9	Projectile	N to S	N/K	22-Mar, 20:30
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	22-Mar, 20:34
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:36
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:37
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:38
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	22-Mar, 20:39
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 21:05
2-4km ENE	Recorded	2	Projectile	S to N	N/K	22-Mar, 21:07	
2-4km SE	Recorded	5	Projectile	S to N	N/K	23-Mar, 02:48	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	2	Burst	S to N		22-Mar, 19:04
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	22-Mar, 19:36
	2-4km E	Recorded	3	Explosion	Undetermined	N/K	22-Mar, 19:44
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	3-5km N	Recorded	5	Explosion	Undetermined	N/K	22-Mar, 19:47
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:50
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:51
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:53
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled,	2-4km SSE	Recorded	1	Projectile	E to W	N/K	22-Mar, 19:08
	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Mar, 19:44
	3-7km S	Recorded	8	Projectile	E to W	N/K	22-Mar, 20:30
	3-7km SSE	Recorded	1	Projectile	W to E	N/K	22-Mar, 21:33

25km NE of Mariupol)	3-7km S	Recorded	8	Projectile	E to W	N/K	22-Mar, 21:33
	100-900m S	Recorded	1	Projectile	NW to SE	N/K	22-Mar, 23:41
	3-5km S	Recorded	3	Projectile	W to E	N/K	23-Mar, 02:37
	3-5km S	Recorded	4	Projectile	W to E	N/K	23-Mar, 02:48
	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Mar, 02:48
Debaltseve (non-government-controlled, 58km NE of Donetsk)	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Mar, 02:48
	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Mar, 03:48
	8-10km W	Heard	4	Explosion	Undetermined	N/K	22-Mar, 21:28
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	8-10km W	Heard	1	Explosion	Undetermined	N/K	23-Mar, 04:47
	8-10km W	Heard	2	Explosion	Undetermined	N/K	23-Mar, 05:34
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	5-6km NW	Heard	7	Explosion	Undetermined	N/K	23-Mar, 08:50
	3-4km W	Heard	5	Burst		HMG	23-Mar, 09:16
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1km NE	Heard	2	Burst		HMG	23-Mar, 09:00
	1km SW	Heard	5	Shot		Small arms	23-Mar, 09:58
	1-2km SW	Heard	1	Explosion	Undetermined	N/K	23-Mar, 10:04
	1-2km SE	Heard	1	Shot		Small arms	23-Mar, 10:23
	1-2km SE	Heard	3	Shot		Small arms	23-Mar, 10:28
	1-2km SE	Heard	3	Burst		Small arms	23-Mar, 10:30
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	23-Mar, 13:10
About 4km NW of Kalynivka (non-government-controlled, 55km NE of Donetsk)	1-2km NW	Heard	2	Shot		Small arms	23-Mar, 14:25
	1-2km NW	Heard	1	Burst		Small arms	23-Mar, 14:28
	1-3km NE	Heard	20	Burst		HMG	23-Mar, 14:37-14:43
	1-3km NE	Heard	27	Shot		Small arms	23-Mar, 14:37-14:43
1km NNW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	3	Shot		Small arms	23-Mar, 09:32
	N/K NE	Heard	1	Shot		Small arms	23-Mar, 10:22
Pikuzy (formerly Kominternove, non-government-controlled, 23km NE of Mariupol)	N/K N	Heard	3	Shot		Small arms	23-Mar, 13:15
Mariupol city centre (government-controlled, 102km S of Donetsk)	N/K SW	Heard	3	Explosion	Undetermined	N/K	23-Mar, 18:23-18:24
	N/K SW	Heard	40	Shot		Small arms	23-Mar, 18:23-18:24
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km WNW	Heard	3	Explosion	Undetermined	N/K	22-Mar, 18:49-18:52
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 18:57
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-5km ESE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 20:59
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	0.1-1km E	Recorded	1	Explosion	Undetermined, (assessed as outside the disengagement area)	N/K	22-Mar, 22:13
SMM camera in	1-2km SSE	Recorded	1	Explosion	Undetermined,	N/K	22-Mar, 22:13

Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)					(assessed as inside the disengagement area)		
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	23-Mar, 03:28
Kadiivka (formerly Stakhanov, non-government-controlled 50km W of Luhansk)	10-15km W	Heard	23	Explosion	Undetermined	N/K	22-Mar, 18:05-18:30
	10-15km NW	Heard	43	Explosion	Undetermined	N/K	22-Mar, 18:05-18:30
Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	8-10km WNW	Heard	3	Explosion	Undetermined	N/K	23-Mar, 08:53-08:58
	6-8km NW	Heard	9	Explosion	Undetermined	N/K	23-Mar, 09:44-09:46
500m S of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	2-3km N	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Mar, 09:10-09:25
	2-3km NNW	Heard	4	Shot	Assessed as inside the disengagement area	Cannon (30mm)	23-Mar, 09:20-09:25
	2-3km N	Heard	35	Burst	Assessed as outside the disengagement area	HMG	23-Mar, 09:20-09:25
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1-1.5km N	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Mar, 09:45
1km S of Bereziivske (non-government-controlled, 53km NW of Luhansk)	3km NW	Heard	3	Burst		HMG	23-Mar, 10:00
1km W of Smile (non-government-controlled, 31km NW of Luhansk)	3-5km NNE	Heard	3	Burst		Small arms	23-Mar, 11:53-11:58
	3-5km NNW	Heard	2	Burst		Small arms	23-Mar, 11:53-11:58
	3-5km NNE	Heard	8	Shot		Small arms	23-Mar, 11:53-11:58
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Projectile	WNW to ESE	N/K	23-Mar, 19:08
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 19:08
	2-4km SE	Recorded	2	Projectile	WNW to ESE	N/K	23-Mar, 19:09
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	23-Mar, 19:09
	2-4km SSE	Recorded	11	Projectile	NE to SW	N/K	23-Mar, 19:10
	2-4km ESE	Recorded	4	Projectile	WNW to ESE	N/K	23-Mar, 19:10
	2-4km ESE	Recorded	1	Projectile	NE to SW	N/K	23-Mar, 19:10
	2-4km ESE	Recorded	2	Muzzle flash		N/K	23-Mar, 19:10
	2-4km SSE	Recorded	2	Muzzle flash		N/K	23-Mar, 19:10
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 21:39
	3-5km ESE	Recorded	2	Projectile	NE to SW	N/K	23-Mar, 21:42
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 21:50
SMM camera in Chermalyk (government-controlled,	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 18:59
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 19:11
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 20:06

31km NE of Mariupol)

2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 20:06
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 20:09
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 21:01
2-4km S	Recorded	4	Projectile	WSW to ENE	N/K	23-Mar, 21:16
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 21:21
3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 21:21
2-4km SE	Recorded	21	Projectile	ENE to WSW	N/K	23-Mar, 21:22
2-4km SE	Recorded	13	Projectile	ENE to WSW	N/K	23-Mar, 21:23
2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	23-Mar, 21:24
3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 21:57
3-5km S	Recorded	5	Projectile	WSW to ENE	N/K	23-Mar, 21:57
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	23-Mar, 22:02
2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 22:20
2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 22:34
2-4km SE	Recorded	14	Projectile	ENE to WSW	N/K	23-Mar, 22:35
2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 22:36
3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 22:41
3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 22:56
3-5km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 22:57
3-5km S	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 23:03
2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	23-Mar, 23:18
2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	23-Mar, 23:18
2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	23-Mar, 23:19
2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 23:38
2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 23:38
2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 23:39
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 23:53
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:15
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:20
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Mar, 00:20
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:22
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Mar, 00:22
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:28
2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:28
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:29
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:31
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:33
2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-Mar, 00:46
3-5km S	Recorded	3	Projectile	ENE to WSW	N/K	24-Mar, 00:48
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:49
2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:50
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 01:16
2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	24-Mar, 01:19
2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	24-Mar, 01:21
2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	24-Mar, 01:22
2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	24-Mar, 01:23
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 01:26
2-4km SSE	Recorded	10	Projectile	WSW to ENE	N/K	24-Mar, 01:27
2-4km SSE	Recorded	15	Projectile	WSW to ENE	N/K	24-Mar, 01:28
2-4km SSE	Recorded	17	Projectile	WSW to ENE	N/K	24-Mar, 01:29
2-4km SSE	Recorded	1	Explosion	Impact	N/K	24-Mar, 01:29
2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-Mar, 01:29
2-4km S	Recorded	10	Projectile	W to E	N/K	24-Mar, 01:30
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 01:32
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 01:34
2-4km S	Recorded	1	Projectile	W to E	N/K	24-Mar, 01:35
2-4km S	Recorded	3	Projectile	W to E	N/K	24-Mar, 01:36
2-4km S	Recorded	5	Projectile	ENE to WSW	N/K	24-Mar, 01:36
2-4km SE	Recorded	3	Projectile	N to S	N/K	24-Mar, 01:47
2-4km SE	Recorded	2	Projectile	N to S	N/K	24-Mar, 01:48
2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	24-Mar, 02:14
3-5km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-Mar, 02:36

SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 18:26
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Mar, 18:42
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 18:42
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 18:44
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	23-Mar, 18:44
	1-2km SSW	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 18:44
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Mar, 18:45
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	23-Mar, 18:53
	1-2km SSW	Recorded	5	Projectile	NW to SE	N/K	23-Mar, 18:54
	1-2km SSW	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 18:54
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	23-Mar, 18:55
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	23-Mar, 19:04
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	23-Mar, 19:08
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	23-Mar, 19:09
	1-2km SSW	Recorded	6	Explosion	Undetermined	N/K	23-Mar, 19:10
	1-2km SSW	Recorded	1	Muzzle flash		N/K	23-Mar, 19:10
	1-2km SSW	Recorded	1	Illumination flare	SW to NE	N/K	23-Mar, 21:21
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 21:39
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Mar, 21:42
	1-2km SSW	Recorded	1	Illumination flare	SW to NE	N/K	23-Mar, 21:50
1-2km S	Recorded	1	Illumination flare	ENE to WSW	N/K	23-Mar, 22:39	
1-2km S	Recorded	1	Projectile	E to W	N/K	23-Mar, 23:26	
1-2km SSW	Recorded	4	Projectile	W to E	N/K	24-Mar, 03:12	
1-3km SSW	Recorded	1	Illumination flare	SW to NE	N/K	24-Mar, 18:09	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km E	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 21:01
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Projectile	WNW to ESE	N/K	23-Mar, 19:50
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-4km N	Recorded	1	Projectile	S to N	N/K	23-Mar, 21:00
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 22:28
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 22:39
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 23:00
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 23:01
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 23:02
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 23:30
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 23:31
	1-4km N	Recorded	2	Illumination flare	In vertical flight	N/K	23-Mar, 23:33
	1-4km N	Recorded	1	Projectile	In vertical flight	N/K	24-Mar, 00:03
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 00:08
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 00:20
	1-4km N	Recorded	2	Illumination flare	In vertical flight	N/K	24-Mar, 00:54

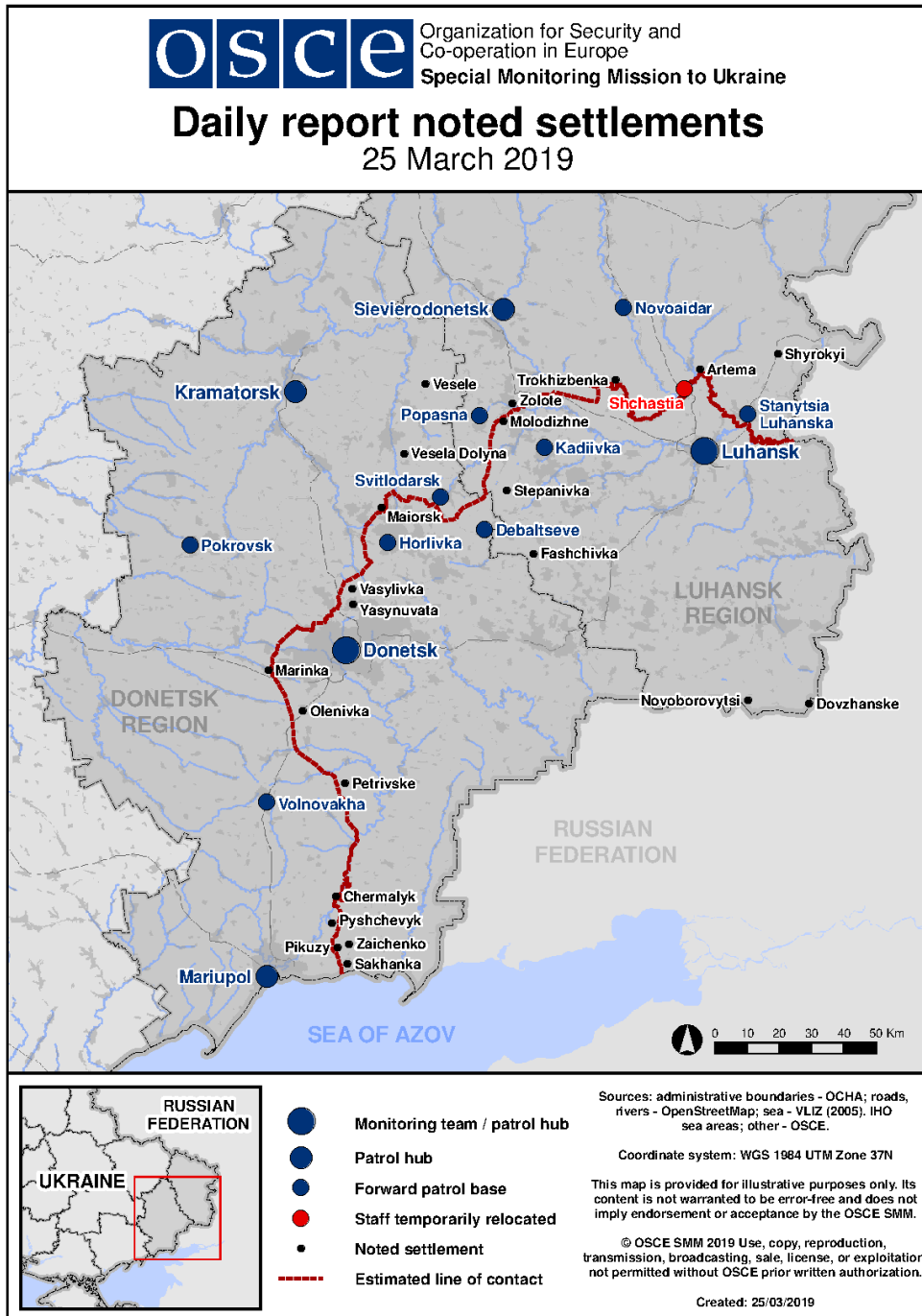
	1-4km N	Recorded	1	Projectile	In vertical flight	N/K	24-Mar, 01:04
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 01:08
	1-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 01:54
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 02:09
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 04:09
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 03:06
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km WNW	Recorded	1	Projectile	WNW to ESE	N/K	23-Mar, 18:42
	2-4km NE	Recorded	1	Illumination flare	NE to SW	N/K	23-Mar, 18:44
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	23-Mar, 19:08
	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 19:08
	2-4km NNE	Recorded	7	Projectile	WNW to ESE	N/K	23-Mar, 19:09
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 19:09
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 19:09
	2-4km NNE	Recorded	10	Projectile	WNW to ESE	N/K	23-Mar, 19:10
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-4km NE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 19:10
	7-9km NE	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 18:09
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	23-Mar, 18:41
	3-5km SSE	Recorded	5	Projectile	E to W	N/K	23-Mar, 21:57
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	23-Mar, 21:57
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	23-Mar, 22:20
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 22:20
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	23-Mar, 22:25
	2-4km SE	Recorded	4	Projectile	E to W	N/K	23-Mar, 22:41
	3-5km S	Recorded	3	Projectile	E to W	N/K	23-Mar, 22:57
	2-4km SE	Recorded	2	Projectile	E to W	N/K	23-Mar, 23:03
	2-4km SE	Recorded	3	Projectile	E to W	N/K	23-Mar, 23:38
	3-5km S	Recorded	3	Projectile	E to W	N/K	24-Mar, 01:36
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	3-5km SSE	Recorded	2	Projectile	E to W	N/K	24-Mar, 01:51
	3-5km SSE	Recorded	2	Projectile	W to E	N/K	24-Mar, 03:31
	3-5km SSE	Recorded	2	Projectile	E to W	N/K	24-Mar, 03:32
	1-2km NW	Heard	31	Burst		HMG	24-Mar, 09:30-09:36
	1-2km NW	Heard	2	Explosion	Undetermined	N/K	24-Mar, 09:35
About 2.5km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km NW	Heard	Uncountable	Burst	Overlapping	HMG	24-Mar, 09:36
	2-3km NNW	Heard	2	Burst		HMG	24-Mar, 09:58
	1km NW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 10:44
	3-4km N	Heard	13	Explosion	Undetermined	N/K	24-Mar, 10:50-10:54
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	24-Mar, 10:54
	2-3km W	Heard	1	Shot		Small arms	24-Mar, 10:54
	2-3km N	Heard	2	Shot		Small arms	24-Mar, 11:02
	3-4km N	Heard	4	Explosion	Undetermined	N/K	24-Mar, 12:20
About 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	17	Shot		Small arms	24-Mar, 12:29-12:35
	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 12:38
	1-2km W	Heard	11	Shot		Small arms	24-Mar, 12:42-12:48
	1-2km W	Heard	5	Burst		Small arms	24-Mar, 12:42-12:48
	1-2km W	Heard	3	Explosion	Undetermined	N/K	24-Mar, 12:48

	500m WSW	Heard	2	Shot		Small arms	24-Mar, 12:50
	2-3km SW	Heard	2	Shot		Small arms	24-Mar, 13:09
	2-3km N	Heard	8	Explosion	Undetermined	N/K	24-Mar, 13:21-13:30
	1-2km N	Heard	14	Shot		Small arms	24-Mar, 13:21-13:30
	2-3km SW	Heard	5	Shot		Small arms	24-Mar, 13:30
	1-3km N	Heard	7	Shot		Small arms	24-Mar, 13:35-13:37
	1-2km W	Heard	3	Shot		Small arms	24-Mar, 13:42
	2-3km WSW	Heard	4	Burst		Small arms	24-Mar, 13:51
About 4km NW of Kalynivka (non-government-controlled, 55km NE of Donetsk)	1-2km NW	Heard	15	Burst		HMG	24-Mar, 12:44
About 2km NW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	1-2km N	Heard	1	Explosion	Undetermined	N/K	24-Mar, 10:50
About 3km WSW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	2-3km N	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:15
	1-3km NE	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:19
	1-2km NW	Heard	39	Shot		HMG	24-Mar, 14:24
	1-3km NW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:29
	1-2km NW	Heard	35	Burst		HMG	24-Mar, 14:40-14:45
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	Uncountable	Burst	Overlapping	HMG	24-Mar, 10:13-10:20
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	23-Mar, 19:16
	3-5km SE	Heard	7	Shot		Small arms	23-Mar, 19:18
	3-5km SSE	Heard	2	Burst		HMG	23-Mar, 21:14
	3-5km SSE	Heard	6	Shot		Small arms	23-Mar, 21:16
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	23-Mar, 22:32
	3-5km S	Heard	3	Burst		HMG	23-Mar, 22:50
	3-5km S	Heard	5	Shot		Small arms	23-Mar, 22:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	23-Mar, 23:24
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	1	Projectile	ESE to WNW (assessed as outside the disengagement area)	N/K	23-Mar, 20:36
S edge of the disengagement area near Zolote (non-government-controlled, 58km W of Luhansk)	1-2km N	Heard	5	Shot	Assessed as inside the disengagement area	Small arms	24-Mar, 08:39-08:40
	3-6km NE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Mar, 09:03-09:06
	3-6km NE	Heard	20	Burst	Assessed as outside the disengagement area	HMG	24-Mar, 09:03-09:06





## 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).