

**Table of ceasefire violations as of 31 May 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	30-May, 22:57
	2-4km SE	Recorded	5	Projectile	NE to SW	N/K	30-May, 22:58
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	30-May, 23:04
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	30-May, 23:08
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 23:30
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	30-May, 23:30
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	31-May, 00:05
	2-4km SE	Recorded	1	Burst	NE to SW (approximately 50 rounds )	N/K	31-May, 00:06
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	31-May, 00:07
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	31-May, 00:08
	2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	31-May, 00:13
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	31-May, 01:25
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 01:43
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 01:44
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 01:45
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 01:46
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km S	Recorded	15	Projectile	In vertical flight	N/K	30-May, 22:03
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	30-May, 22:03
	1-2km SSW	Recorded	18	Projectile	In vertical flight	N/K	30-May, 22:04
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	30-May, 22:05
	1-2km S	Recorded	1	Projectile	NW to ESE	N/K	30-May, 22:36
	1-2km SSW	Recorded	18	Projectile	E to W	N/K	30-May, 22:44
	1-2km SSW	Recorded	1	Projectile	N to S	N/K	30-May, 22:44
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	30-May, 22:44
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	30-May, 22:50
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:14
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:25
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:30
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:32
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:35
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:41
	1-2km SSW	Recorded	1	Projectile	NNW to SSE	N/K	31-May, 00:45
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 00:58
	1-2km SSW	Recorded	2	Projectile	WNW to ESE	N/K	31-May, 01:33
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 01:34
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 01:50
1-3km SSW	Recorded	1	Projectile	NNE to SSW	N/K	31-May, 03:10	
1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km E	Recorded	1	Projectile	N to S	N/K	31-May, 00:16
	2-4km E	Recorded	1	Muzzle flash		N/K	31-May, 00:16
SMM camera at entry-exit checkpoint in Maiorsk (government-	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 21:24
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 21:41
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	30-May, 21:59

<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.

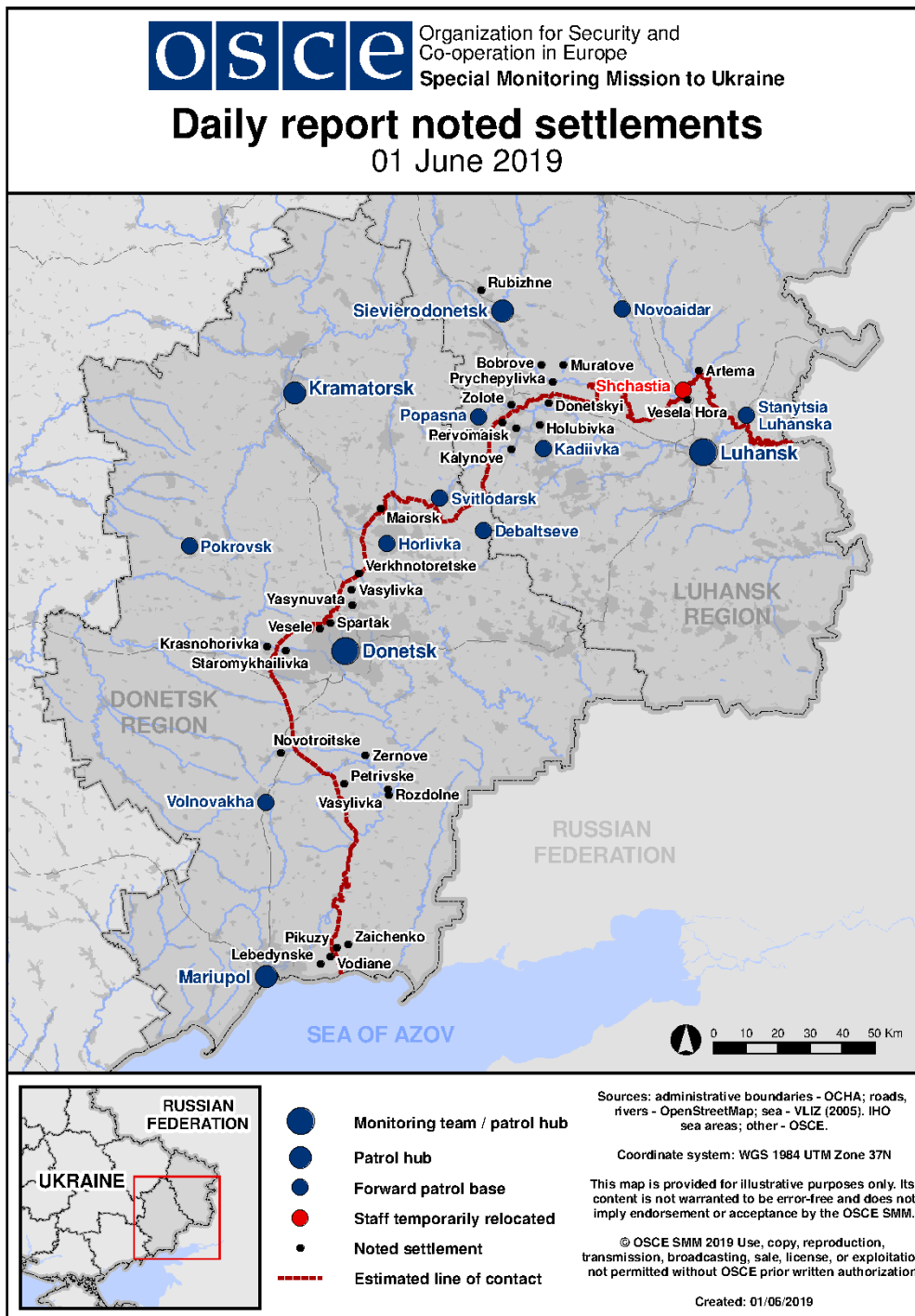
controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	S to N	N/K	30-May, 22:13
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:13
	2-4km E	Recorded	2	Projectile	S to N	N/K	30-May, 22:14
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:14
	2-4km E	Recorded	2	Projectile	N to S	N/K	30-May, 22:27
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 22:28
	2-4km E	Recorded	14	Projectile	N to S	N/K	30-May, 22:34
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-May, 22:34
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	30-May, 22:34
	2-4km E	Recorded	5	Projectile	N to S	N/K	30-May, 22:35
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-May, 22:35
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-May, 22:36
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:36
	2-4km E	Recorded	6	Projectile	N to S	N/K	30-May, 22:37
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:37
	2-4km ENE	Recorded	6	Projectile	S to N	N/K	30-May, 22:38
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 22:42
	2-4km E	Recorded	8	Projectile	S to N	N/K	30-May, 22:50
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:50
	2-4km E	Recorded	20	Projectile	N to S	N/K	30-May, 22:53
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-May, 22:53
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 22:53
	2-4km E	Recorded	24	Projectile	N to S	N/K	30-May, 23:46
	2-4km E	Recorded	2	Projectile	S to N	N/K	30-May, 23:46
	1-3km ENE	Recorded	5	Projectile	N to S	N/K	30-May, 23:48
	2-4km E	Recorded	15	Projectile	N to S	N/K	30-May, 23:59
	2-4km E	Recorded	2	Projectile	S to N	N/K	30-May, 23:59
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	30-May, 23:59
	2-4km E	Recorded	7	Explosion	Airburst (also recorded by the SMM camera in Svitlodarsk)	N/K	31-May, 00:00
	2-4km E	Recorded	18	Projectile	S to N	N/K	31-May, 00:00
	2-4km E	Recorded	2	Projectile	N to S	N/K	31-May, 00:00
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	31-May, 00:02
	2-4km ENE	Recorded	12	Projectile	N to S	N/K	31-May, 00:04
2-4km E	Recorded	9	Projectile	N to S	N/K	31-May, 00:10	
2-4km E	Recorded	7	Projectile	N to S	N/K	31-May, 00:11	
2-4km E	Recorded	6	Projectile	S to N	N/K	31-May, 00:11	
2-4km E	Recorded	1	Burst	N to S	N/K	31-May, 00:17	
2-4km E	Recorded	5	Projectile	S to N	N/K	31-May, 00:17	
2-4km E	Recorded	1	Explosion	Undetermined	N/K	31-May, 02:44	
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-3km S	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:09
	2-3km S	Recorded	1	Explosion	Undetermined	N/K	30-May, 22:29
	2-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 23:30
SMM camera 1km SW of Shyrokyne (government-controlled, 20km E of Mariupol)	3-5km N	Recorded	1	Illumination flare	In vertical flight	N/K	30-May, 23:30
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km WSW	Recorded	21	Projectile	NW to SE	N/K	30-May, 23:46
	2-4km WSW	Recorded	14	Explosion	Undetermined	N/K	30-May, 23:46
	2-4km WSW	Recorded	2	Projectile	NNW to SSE	N/K	30-May, 23:46
	2-4km WSW	Recorded	7	Explosion	Airburst (also recorded by the SMM camera at EECF in	N/K	31-May, 00:00

					(Maiorsk)		
	2-4km WSW	Recorded	1	Explosion	Airburst	N/K	31-May, 00:00
	2-4km WSW	Recorded	2	Projectile	NNW to SSE	N/K	31-May, 02:50
	2-4km WSW	Recorded	2	Projectile	NNW to SSE	N/K	31-May, 02:51
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km W	Heard	2	Explosion	Undetermined	N/K	31-May, 09:34
	1-3km W	Heard	1	Explosion	Undetermined	N/K	31-May, 09:53
	2-3km W	Heard	1	Explosion	Undetermined	N/K	31-May, 10:07
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	31-May, 12:20
	1-3km SW	Heard	1	Explosion	Undetermined	N/K	31-May, 12:39
	1-3km SW	Heard	33	Shot		Small arms	31-May, 12:39
	1-2km SW	Heard	10	Shot		Small arms	31-May, 12:43
	1-2km W	Heard	5	Shot		Small arms	31-May, 12:43
	1.5-3km W	Heard	46	Explosion	Undetermined	N/K	31-May, 13:53-13:56
	1.5-3km W	Heard	15	Burst		HMG	31-May, 13:53-13:56
	1.5-3km W	Heard	38	Explosion	Undetermined	N/K	31-May, 13:59-14:00
	1.5-3km W	Heard	11	Burst		HMG	31-May, 13:59-14:00
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2km W	Heard	1	Explosion	Undetermined	N/K	31-May, 10:41
	1-2km W	Heard	2	Burst		Small arms	31-May, 10:48
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km S	Heard	18	Shot		Small arms	31-May, 11:00-11:20
	2-3km S	Heard	32	Burst		HMG	31-May, 11:00-11:20
About 1km E of Vodiane (government – controlled, 15km NW of Donetsk)	1-2km E	Heard	7	Shot		Small arms	31-May, 11:26
	2-3km E	Heard	2	Explosion	Undetermined	N/K	31-May, 12:20
	2-3km E	Heard	2	Explosion	Undetermined	N/K	31-May, 12:26
	5-6km E	Heard	4	Explosion	Undetermined	N/K	31-May, 13:04-13:07
	2-3km NE	Heard	2	Burst		HMG	31-May, 13:25
About 1km SE of Spartak (non-government-controlled, 9km N of Donetsk city centre)	1-2km N	Heard	2	Shot		Small arms	31-May, 12:30-12:52
	1-2km N	Heard	1	Explosion	Undetermined	N/K	31-May, 13:06
Zaporozhets (non-government-controlled, 71km S of Donetsk)	1-2km SE	Heard	5	Explosion	Undetermined	N/K	31-May, 11:18-11:33
About 3km N of Novotroitske (government-controlled, 36km SW of Donetsk)	4-6km ENE	Heard	3	Explosion	Undetermined	N/K	31-May, 09:36-09:39
	4-6km ENE	Heard	2	Explosion	Undetermined	N/K	31-May, 09:49
	4-6km SE	Heard	9	Explosion	Undetermined	N/K	31-May, 10:14-10:24
	4-6km SE	Heard	5	Explosion	Undetermined	N/K	31-May, 10:34-10:40
Novotroitske (government-controlled, 36km SW of Donetsk)	2-4km E	Heard	1	Explosion	Undetermined	N/K	31-May, 12:33
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SSW	Heard	12	Explosion	Undetermined	N/K	30-May, 20:50-20:51
	4-5km SSW	Heard	15	Explosion	Undetermined	N/K	30-May, 20:58-21:00
	4-5km SSW	Heard	5	Explosion	Undetermined	N/K	30-May, 21:05
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	30-May, 21:57
	3-4km SE	Heard	5	Burst		HMG	30-May, 22:00

	3-4km SSW	Heard	7	Burst		HMG	30-May, 22:05
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	30-May, 22:06
	2-3km SE	Heard	9	Burst		HMG	30-May, 22:09
	3-4km SSW	Heard	12	Explosion	Undetermined	N/K	30-May, 22:12-22:14
	3-4km SE	Heard	11	Burst		HMG	30-May, 22:16-22:22
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	30-May, 22:22
	1-2km SE	Heard	1	Shot		Small arms	30-May, 22:23
	3-4km SE	Heard	18	Burst		HMG	30-May, 22:24-22:25
	3-4km SE	Heard	5	Explosion	Undetermined	N/K	30-May, 22:25-22:26
	3-4km SE	Heard	6	Burst		HMG	30-May, 22:26-22:31
	3-4km SW	Heard	19	Explosion	Undetermined	N/K	30-May, 22:33-22:38
	3-4km SE	Heard	5	Burst		HMG	30-May, 22:34
	4-5km SW	Heard	8	Explosion	Undetermined	N/K	30-May, 22:34-22:42
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	30-May, 22:42
	3-4km ESE	Heard	12	Burst		HMG	30-May, 22:47-22:48
	3-4km SE	Heard	1	Shot		Small arms	30-May, 22:48
	3-4km SE	Heard	21	Burst		HMG	30-May, 22:48-22:51
	1-2km SSW	Heard	15	Burst		HMG	30-May, 22:55
	3-4km S	Heard	5	Shot		Small arms	30-May, 22:56
	4-5km SSE	Heard	1	Explosion	Undetermined	N/K	30-May, 22:57
	4-5km SE	Heard	6	Burst		HMG	30-May, 23:12-23:17
	5-6km SSW	Heard	2	Explosion	Undetermined	N/K	30-May, 23:34
	1-2km SW	Heard	6	Explosion	Undetermined	N/K	30-May, 23:48
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	30-May, 23:54
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km NW	Heard	11	Explosion	Undetermined	N/K	30-May, 19:20
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	30-May, 19:33
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	2-4km WSW	Heard	6	Explosion	Undetermined	N/K	31-May, 11:48-11:49
	2-4km WSW	Heard	2	Explosion	Undetermined	N/K	31-May, 12:01-12:04
	2-4km WSW	Heard	6	Shot	Undetermined	HMG	31-May, 12:05
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km S	Heard	2	Explosion	Undetermined	N/K	31-May, 08:50
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	31-May, 09:34-09:38
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	31-May, 09:53
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	31-May, 10:06
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	31-May, 10:58-10:59
	3-5km SSW	Heard	5	Burst		HMG	31-May, 13:54
Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km NNE	Heard	4	Burst		Small arms	31-May, 12:16
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	30-May, 18:53
	2-4km SE	Heard	5	Burst		HMG	30-May, 21:21-21:35
	4-5km SSE	Heard	5	Burst		HMG	30-May, 21:50-22:20
N edge of Kruta Hora (16km NW of Luhansk)	3-10km N	Heard	5	Explosion	Undetermined	N/K	31-May, 10:12-10:23
	3-10km N	Heard	4	Burst		Small arms	31-May, 10:16-10:19
SMM camera in	3-5km SW	Recorded	1	Burst	WNW to ESE	N/K	30-May, 22:01

Kriakivka (government-controlled, 38km NW of Luhansk)							
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	8	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	30-May, 22:03
	2-4km E	Recorded	9	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	30-May, 22:04
	2-4km E	Recorded	10	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	30-May, 22:04
	1-2km SE	Recorded	2	Projectile	NE to SW (unable to be assessed inside or outside the disengagement area)	N/K	31-May, 00:24
	1-2km ESE	Recorded	1	Projectile	NNE to SSW (assessed as outside the disengagement area)	N/K	31-May, 00:25
	1.5-3km SE	Recorded	1	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	31-May, 01:00

## 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).