

Table of ceasefire violations as of 21 May 2019¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Burst	ENE to WSW	N/K	20-May, 20:52
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	20-May, 21:10
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	20-May, 21:10
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	20-May, 21:35
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	20-May, 21:49
	2-4km SSE	Recorded	2	Burst	WNW to ESE	N/K	20-May, 22:19
	2-4km SSE	Recorded	2	Burst	WNW to ESE	N/K	20-May, 22:20
	2-4km SSE	Recorded	27	Projectile	WNW to ESE	N/K	20-May, 23:57
	2-4km SSE	Recorded	10	Projectile	ENE to WSW	N/K	21-May, 00:58
	2-4km SSE	Recorded	17	Projectile	In vertical flight	N/K	21-May, 01:31
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	21-May, 01:42
	2-4km S	Recorded	3	Explosion	Undetermined	N/K	21-May, 01:57
2-4km SSE	Recorded	3	Projectile	WNW to ESE	N/K	21-May, 02:08	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Projectile	NNW to SSE	N/K	21-May, 01:51
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-5km E	Recorded	1	Projectile	N to S	N/K	21-May, 02:08
	2-5km E	Recorded	2	Projectile	W to E	N/K	21-May, 02:08
	2-5km E	Recorded	2	Projectile	N to S	N/K	21-May, 02:34
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	1	Burst	In vertical flight	N/K	20-May, 22:20
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	21-May, 00:37
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	21-May, 00:37
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	3	Burst	In vertical flight	N/K	20-May, 22:18
	1-3km E	Recorded	4	Burst	In vertical flight	N/K	20-May, 22:19
	1-3km E	Recorded	1	Burst	In vertical flight	N/K	20-May, 22:20
	0.5-1km ENE	Recorded	4	Projectile	N to S	N/K	21-May, 02:51
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-3km N	Recorded	4	Projectile	SSW to NNE	N/K	20-May, 23:57
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Donetsk)	2-4km S	Recorded	1	Muzzle flash		N/K	20-May, 22:18
	2-4km S	Recorded	1	Projectile	E to W	N/K	20-May, 22:18

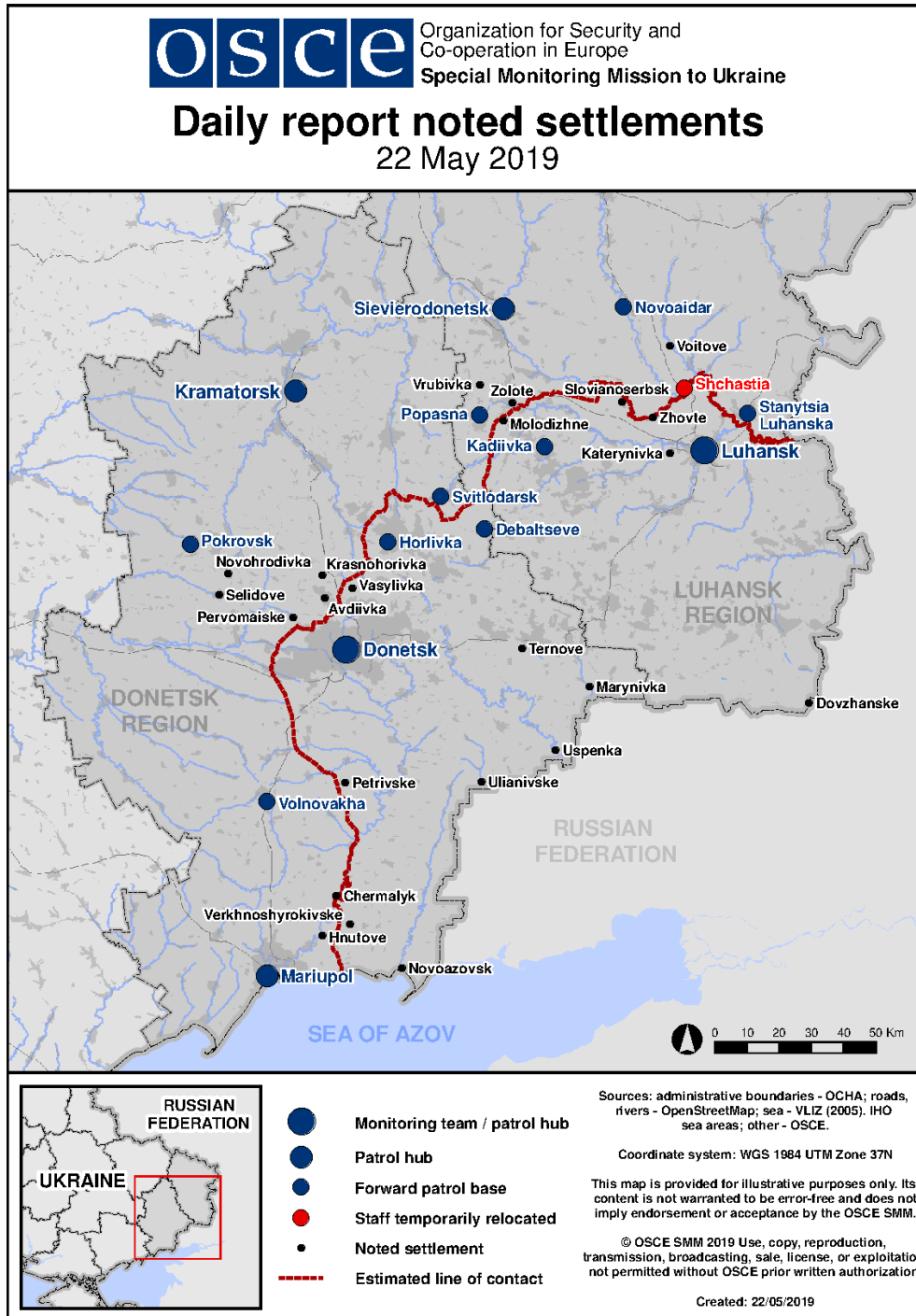
¹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, 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.

of Mariupol)							
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	5km ENE	Heard	3	Explosion	Undetermined	N/K	21-May, 09:32-09:36
	1-2km ESE	Heard	1	Shot		Small arms	21-May, 10:42
	1-2km SE	Heard	5	Shot		Small arms	21-May, 10:50-10:52
	1-2km S	Heard	7	Shot		Small arms	21-May, 11:04
	2-3km S	Heard	4	Explosion	Outgoing	N/K	21-May, 11:15-11:32
	2-3km SSE	Heard	1	Explosion	Outgoing	N/K	21-May, 11:55
	2-3km S	Heard	3	Explosion	Undetermined	N/K	21-May, 14:04-14:35
	2-3km NE	Heard	3	Shot		Small arms	21-May, 14:20
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km E	Heard	1	Explosion	Undetermined	N/K	21-May, 09:30
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	21-May, 11:33-11:57
	1-2km SSW	Heard	5	Shot		Small arms	21-May, 12:03
Krasnohorivka (government-controlled, 21km W of Donetsk)	0.6-1km E	Heard	1	Explosion	Outgoing	N/K	21-May, 15:15
About 6km NNW of Horlivka (non-government controlled, 39km NE of Donetsk)	2-4km S	Heard	2	Explosion	Undetermined	N/K	21-May, 09:26
	2-4km S	Heard	7	Explosion	Undetermined	N/K	21-May, 09:29-10:32
	2-4km S	Heard	4	Explosion	Undetermined	N/K	21-May, 09:41-09:45
WNW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	3-5km SW	Heard	4	Explosion	Undetermined	N/K	21-May, 09:30-09:35
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SE	Heard	2	Explosion	Undetermined	N/K	21-May, 09:31
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	21-May, 09:33
	2-3km SE	Heard	4	Burst		HMG	21-May, 11:23
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	21-May, 14:16
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	5-8km SSW	Recorded	2	Projectile	NNW to SSE	N/K	20-May, 22:18
	5-8km SSW	Recorded	7	Burst	In vertical flight	N/K	20-May, 22:19
	5-8km SSW	Recorded	1	Projectile	NNW to SSE	N/K	20-May, 23:57
	5-8km SSW	Recorded	2	Projectile	NNW to SSE	N/K	20-May, 23:58
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	12	Projectile	NW to SE	N/K	20-May, 22:20
	2-4km ESE	Recorded	22	Explosion	Airburst	N/K	20-May, 22:20
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km ESE	Recorded	3	Projectile	NNE to SSW (assessed as outside the disengagement area)	N/K	20-May, 20:40
	4-6km ESE	Recorded	22	Projectile	NNE to SSW (assessed as outside the disengagement area)	N/K	20-May, 20:42
	4-6km E	Recorded	10	Projectile	NNE to SSW (assessed as outside the disengagement area)	N/K	20-May, 20:42
	3.5-6km S	Recorded	2	Projectile	E to W (unable to assess whether inside	N/K	20-May, 21:41

				or outside the disengagement area)		
	1-2km E	Recorded	2	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K 20-May, 22:16
	3-5km SSE	Recorded	6	Projectile	In vertical flight (unable to assess whether inside or outside the disengagement area)	N/K 20-May, 22:18
	3-5km S	Recorded	1	Burst	In vertical flight (unable to assess whether inside or outside the disengagement area)	N/K 20-May, 22:19
	3-5km S	Recorded	2	Projectile	In vertical flight (unable to assess whether inside or outside the disengagement area)	N/K 20-May, 22:19
	2-4km ENE	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K 20-May, 22:23
	3-5km E	Recorded	3	Projectile	S to N (assessed as outside the disengagement area)	N/K 20-May, 23:27
	2-4km E	Recorded	1	Burst	In vertical flight (assessed as outside the disengagement area)	N/K 20-May, 23:55
	2-4km E	Recorded	10	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K 20-May, 23:55
	3-5km E	Recorded	12	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K 21-May, 01:31
	3-5km E	Recorded	22	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K 21-May, 01:32
	2-3km E	Recorded	1	Burst	In vertical flight (assessed as outside the disengagement area)	N/K 21-May, 01:33
N edge of Popasna (government-controlled, 69km W	2-3km E	Heard and saw	1	Explosion	Impact	N/K 20-May, 18:48
	4-6km SE	Heard	20	Burst		N/K 20-May, 22:20-

of Luhansk)							22:22
	4-6km SE	Heard	50	Burst		N/K	20-May, 23:54-23:58
	4-6km SE	Heard	20	Shot		N/K	20-May, 23:54-23:58
	4-6km ESE	Heard	19	Burst	Assessed as outside the Zolote disengagement area	Small arms	21-May, 08:15-08:25
	3-4km E	Heard	1	Explosion	Undetermined	N/K	21-May, 12:04
E edge of Popasna (government-controlled, 69km W of Luhansk)	1-2km ENE	Heard	30	Burst		HMG	21-May, 10:15-10:30
	1-2km ENE	Heard	4	Explosion	Undetermined	N/K	21-May, 10:15-10:30
	1-3km S	Heard	6	Shot		Small arms	21-May, 10:15-10:30
	1-3km ENE	Heard	42	Burst		HMG	21-May, 10:35-10:40
	1-3km ENE	Heard	6	Explosion	Undetermined	N/K	21-May, 10:35-10:40
About 1.5km NNW of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	2-3km NW	Heard	220	Burst	Assessed as outside the Zolote disengagement area	N/K	21-May, 10:08-10:22
	2-3km NW	Heard	6	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-May, 10:08-10:22
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	1-2km NNW	Heard	4	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	21-May, 10:33-10:38
	1-2km NNW	Heard	120	Burst	Assessed as outside the Zolote disengagement area	N/K	21-May, 10:33-10:38
Zolote (government-controlled, 60km W of Luhansk)	5-10km SW	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	21-May, 10:34-10:39
Zolote-1/Soniachnyi (government-controlled, 61km W of Luhansk)	3-4km E	Heard	20	Shot	Assessed as outside the disengagement area	Small arms	21-May, 11:46-11:52
	3-4km E	Heard	10	Burst	Assessed as outside the disengagement area	N/K	21-May, 11:50-11:51
Vrubivka (government-controlled, 72km W of Luhansk)	500m SE	Heard	11	Shot		Small arms	21-May, 11:00-11:01

Map of Donetsk and Luhansk regions²



² 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).