

Table of ceasefire violations as of 23 May 2019¹

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	Explosion	Undetermined	N/K	22-May, 21:50
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	23-May, 02:10
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	23-May, 02:03
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	23-May, 02:13
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:57
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:59
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 03:01
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 03:03
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 03:08
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-May, 03:14
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	22-May, 21:25
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	22-May, 21:59
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	22-May, 22:01
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-May, 22:03
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-May, 22:04
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	22-May, 22:06
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-May, 22:07
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-May, 22:11
	2-4km SE	Recorded	5	Projectile	WSW to ENE	N/K	22-May, 22:13
	2-4km SE	Recorded	19	Projectile	WSW to ENE	N/K	22-May, 22:14
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:17
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	22-May, 22:18
	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	22-May, 22:48
	2-4km SE	Recorded	11	Projectile	NE to SW	N/K	22-May, 22:49
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	22-May, 22:52
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	22-May, 22:53
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	22-May, 22:57
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	22-May, 23:16
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	22-May, 23:17
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	22-May, 23:35
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	22-May, 23:36
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	22-May, 23:40
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	23-May, 00:09
2-4km SE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:09	
3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	23-May, 01:42	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 21:37
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 21:40
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 21:43
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 21:44
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 21:59
SMM camera 1.5km NE of Hnutove (government-controlled, 20km	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	22-May, 22:19
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:26
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	22-May, 21:27
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:29
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:31
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:33	

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.

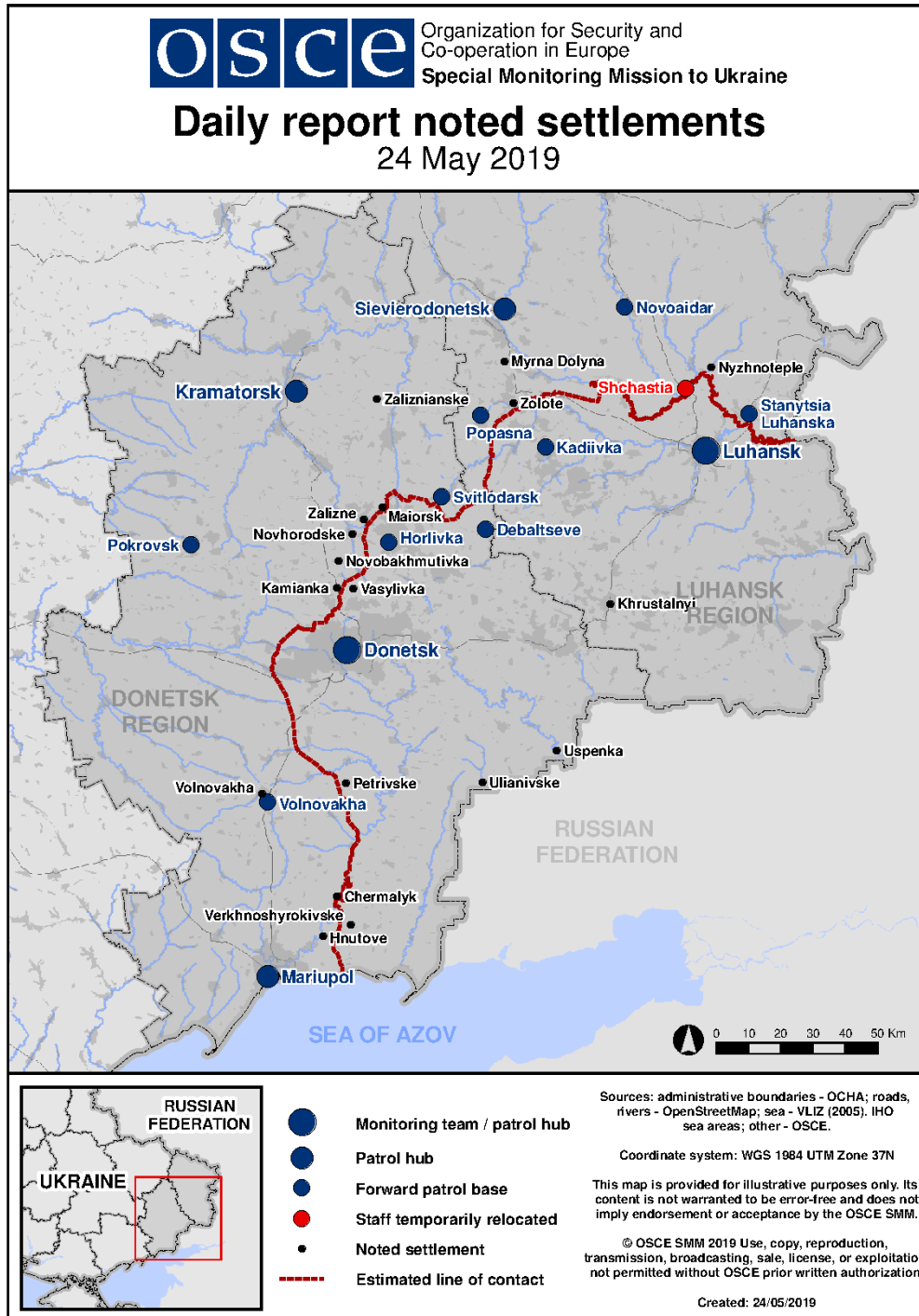
NE of Mariupol)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:34	
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	22-May, 21:36	
	2-4km E	Recorded	3	Projectile	N to S	N/K	22-May, 21:47	
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	22-May, 21:54	
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-May, 21:55	
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-May, 21:59	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	22-May, 23:09	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	22-May, 23:18	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	22-May, 23:19	
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	23-May, 01:56	
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	23-May, 01:57	
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	23-May, 01:58	
	3-5km ENE	Recorded	3	Projectile	S to N	N/K	23-May, 02:05	
	3-5km ENE	Recorded	4	Projectile	N to S	N/K	23-May, 02:06	
	3-5km E	Recorded	1	Projectile	S to N	N/K	23-May, 02:06	
	3-5km E	Recorded	4	Projectile	S to N	N/K	23-May, 02:08	
	3-5km E	Recorded	10	Projectile	S to N	N/K	23-May, 02:11	
	3-5km ENE	Recorded	6	Projectile	N to S	N/K	23-May, 02:12	
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	23-May, 02:13	
	3-5km ENE	Recorded	7	Projectile	N to S	N/K	23-May, 02:15	
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	23-May, 02:16	
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	23-May, 02:17	
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:23	
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:58	
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 03:06	
	3-5km ENE	Recorded	2	Explosion	Undetermined	N/K	23-May, 03:15	
	SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 01:38
		4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 01:43
		4-6km ENE	Recorded	1	Explosion	Airburst	N/K	23-May, 01:49
		4-6km E	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:57
		4-6km E	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:58
		4-6km E	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:59
4-6km E		Recorded	1	Explosion	Undetermined	N/K	23-May, 03:00	
4-6km E		Recorded	1	Explosion	Undetermined	N/K	23-May, 03:01	
4-6km E		Recorded	1	Explosion	Undetermined	N/K	23-May, 03:02	
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	1-3km ENE	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:32	
	1-3km ENE	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:51	
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	22-May, 23:36	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:57	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 00:59	
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 01:32	
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:49	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	23-May, 02:51	
	2-5km E	Recorded	1	Projectile	N to S	N/K	22-May, 23:45	
	2-5km E	Recorded	2	Projectile	N to S	N/K	22-May, 23:46	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km E	Recorded	13	Projectile	SW to NE	N/K	22-May, 23:51	
	2-4km E	Recorded	3	Projectile	SW to NE	N/K	22-May, 23:52	
	1-3km NNE	Recorded	3	Projectile	SW to NE	N/K	23-May, 03:17	
	1-3km NNE	Recorded	3	Projectile	SW to NE	N/K	23-May, 03:18	
	1-3km NNE	Recorded	3	Projectile	SE to NW	N/K	23-May, 03:18	
	1-3km N	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 03:18	
SMM camera at entry-exit checkpoint in Pyshevyk (government-	1-3km NNE	Recorded	1	Projectile	ESE to WNW	N/K	23-May, 03:19	
	1-3km NNE	Recorded	3	Projectile	SW to NE	N/K	23-May, 03:19	
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:13	
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:17	
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:24	
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:31	
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:32	

controlled, 25km NE of Mariupol)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:34
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:35
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	22-May, 22:36
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:45
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:53
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	22-May, 22:54
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	1km ESE	Heard	8	Burst		HMG	23-May, 09:50
	4-5km E	Heard	3	Explosion	Undetermined	N/K	23-May, 10:05-10:10
	1km SE	Heard	2	Explosion	Undetermined	N/K	23-May, 11:28
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NW	Heard	6	Burst		HMG	23-May, 09:55
	1-1.5km NW	Heard	2	Shot		Small arms	23-May, 10:19
	2-3km N	Heard	45	Shot		Small arms	23-May, 10:20-10:26
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	23-May, 12:07
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	23-May, 12:38
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	23-May, 11:30
	2-4km W	Heard	5	Explosion	Undetermined	N/K	23-May, 15:15
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	1-2km W	Heard	2	Burst		Small arms	23-May, 15:15
	1-2km W	Heard	5	Shot		Small arms	23-May, 15:18
	1-3km W	Heard	1	Burst		Small arms	23-May, 15:20
	3-5km W	Heard	6	Burst		HMG	22-May, 22:54
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km W	Heard	2	Burst		HMG	22-May, 23:10
	1-2km N	Heard	1	Burst		Small arms	23-May, 11:32
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	2-2.5km E	Heard	18	Burst		Small arms	23-May, 10:02-10:05
	2-2.5km E	Heard	5	Burst		Small arms	23-May, 10:08-10:09
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	23-May, 10:09
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	23-May, 10:14
	2-2.5km E	Heard	8	Burst		Small arms	23-May, 10:16-10:18
	2-3km ESE	Heard	7	Burst		Small arms	23-May, 10:19-10:20
	2-3km E	Heard	3	Burst		Small arms	23-May, 10:25-10:26
	2-3km E	Heard	1	Explosion	Undetermined	N/K	23-May, 10:29
	2-3km ESE	Heard	1	Explosion	Undetermined	N/K	23-May, 10:29
	2-3km E	Heard	1	Explosion	Undetermined	N/K	23-May, 10:50
	3-4km S	Heard	1	Explosion	Undetermined	N/K	23-May, 11:28
	5-6km NE	Heard	53	Explosion	Undetermined	N/K	23-May, 13:55-14:12
	5-6km NE	Heard	48	Explosion	Undetermined	N/K	23-May, 14:17-14:24
	5-6km NE	Heard	58	Explosion	Undetermined	N/K	23-May, 14:30-14:44
	SMM camera in Kriakivka (government-controlled, 38km	2-4km SW	Recorded	1	Explosion	Undetermined	N/K
2-4km S		Recorded	1	Explosion	Undetermined	N/K	22-May, 23:21
2-4km S		Recorded	1	Explosion	Undetermined	N/K	22-May, 23:59

NW of Luhansk)							
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-1.3km SSE	Recorded	2	Illumination flare	WSW to ENE (assessed as outside the disengagement area)	N/K	22-May, 22:37
	1-2km E	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	22-May, 22:43
	1-2km ESE	Recorded	8	Projectile	WSW to ENE (assessed as outside the disengagement area)	N/K	22-May, 22:52
	1-2km E	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	22-May, 22:54
	1-2km ESE	Recorded	1	Projectile	WSW to ENE (assessed as outside the disengagement area)	N/K	22-May, 23:00
	1-2km SE	Recorded	2	Projectile	WSW to ENE (unable to assess whether inside or outside the disengagement area)	N/K	22-May, 23:08
	1-1.5km SE	Recorded	1	Projectile	WSW to ENE (assessed as outside the disengagement area)	N/K	22-May, 23:22
	1-1.5km E	Recorded	3	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	22-May, 23:28
	1-2km ESE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	22-May, 23:31
	1-2km ESE	Recorded	18	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	22-May, 23:37
	1-1.5km SE	Recorded	1	Projectile	WSW to ENE (assessed as outside the disengagement area)	N/K	22-May, 23:41
	2-3km SE	Recorded	1	Illumination flare	SW to NE (assessed as inside the disengagement area)	N/K	23-May, 00:02
	1-2km ESE	Recorded	9	Projectile	S to N (assessed as outside the	N/K	23-May, 00:05

					disengagement area)		
	2-3km S	Recorded	8	Projectile	NW to SE (assessed as inside the disengagement area)	N/K	23-May, 00:37
N edge of Popasna (government-controlled, 69 km W of Luhansk)	8-10km SE	Heard	10	Explosion	Undetermined	N/K	22-May, 19:10-19:23
	8-10km SE	Heard	9	Explosion	Undetermined	N/K	22-May, 21:12-21:33
	8-10km SE	Heard	2	Explosion	Undetermined	N/K	22-May, 22:23-22:24
	6-8km SE	Heard	1	Explosion	Undetermined	N/K	22-May, 22:25
	6-8km SE	Heard	4	Explosion	Undetermined	N/K	22-May, 23:22-23:27
	8-10km SE	Heard	22	Explosion	Undetermined	N/K	22-May, 23:36-00:09
	6-8km SE	Heard	10	Burst		HMG	22-May, 23:38
	5-7km SE	Heard	12	Shot		N/K	22-May, 23:50
	6-8km SE	Heard	10	Shot		N/K	23-May, 00:05
	6-8km SE	Heard	1	Explosion	Undetermined	N/K	23-May, 00:12
	8-10km SE	Heard	2	Explosion	Undetermined	N/K	23-May, 00:18-00:20
8-10km SE	Heard	8	Explosion	Undetermined	N/K	23-May, 00:57-01:03	
Zolote (government-controlled, 60km W of Luhansk)	2-2.5km E	Heard	3	Burst	Assessed as outside the disengagement area	HMG	23-May, 11:31
	2-2.5km E	Heard	20	Shot	Assessed as outside the disengagement area	Small arms	23-May, 11:31
Berezivske (non-government-controlled, 53km NW of Luhansk)	5-8km NW	Heard	6	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	23-May, 12:13-12:18
NW edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	1.5-2km NW	Heard	1	Explosion	Outgoing (assessed as outside the Zolote disengagement area)	Mortar (type n/k)	23-May, 14:36

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).