

**Table of ceasefire violations as of 26 December 2018<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 S	Recorded	5	Projectile	ENE to WSW	N/K	23-Dec, 20:10
	2-4km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Dec, 21:00
	2-4km S	Recorded	2	Projectile	W to E	N/K	24-Dec, 02:59
	2-4km S	Recorded	1	Projectile	E to W	N/K	24-Dec, 04:03
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 17:58
	3-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	24-Dec, 18:01
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km S	Recorded	1	Explosion	Impact	N/K	23-Dec, 18:20
	500-700m S	Recorded	1	Explosion	Impact	N/K	23-Dec, 18:21
	0.8-1km SSE	Recorded	11	Projectile	SE to NW	N/K	23-Dec, 19:27
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	23-Dec, 19:32
	3-4km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	23-Dec, 20:22
	1-2km S	Recorded	1	Projectile	E to W	N/K	24-Dec, 04:25
	1-2km S	Recorded	2	Projectile	E to W	N/K	24-Dec, 04:28
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	24-Dec, 04:48
	1-2km S	Recorded	2	Projectile	E to W	N/K	24-Dec, 04:53
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	24-Dec, 04:55
	1-2km SSW	Recorded	4	Projectile	E to W	N/K	24-Dec, 05:32
	1-2km SSW	Recorded	1	Illumination flare	SSW to NNE	N/K	24-Dec, 17:45
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	24-Dec, 17:31
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 17:39
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	24-Dec, 18:00
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	24-Dec, 18:01
	0.5-1km SSW	Recorded	1	Explosion	Outgoing	N/K	24-Dec, 18:02
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 18:23
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km E	Recorded	10	Projectile	SE to NW	N/K	24-Dec, 04:14
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	10	Projectile	NW to SE	N/K	24-Dec, 03:16
2km ENE of Dolia (non-government-controlled, 15km SW of Donetsk)	3-6km SSW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 10:22-10:27
2km NNW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2km NW	Heard	37	Shot		Small arms	24-Dec, 10:35
	2-3km W	Heard	6	Explosion	Undetermined	N/K	24-Dec, 11:01-11:08
	1-2km W	Heard	1	Explosion	Undetermined	N/K	24-Dec, 11:27
	1-2km SW	Heard	15	Burst		Small arms	24-Dec, 12:43-12:46
	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 13:18
	1-3km WSW	Heard	85	Burst		HMG	24-Dec, 13:18-13:19
	1-2km W	Heard	19	Burst		Small-arms and HMG	24-Dec, 13:31-13:32
	1-2km W	Heard	1	Explosion	Undetermined	N/K	24-Dec, 13:40
1-2km N	Heard	1	Explosion	Undetermined	N/K	24-Dec, 13:40	

<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.

	1-2km NW	Heard	8	Burst		Small arms	24-Dec, 13:55
	1-2km W	Heard	8	Burst		Small arms	24-Dec, 13:55
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 09:22
	1km SW	Heard	8	Shot		Small arms	24-Dec, 11:57
	1-2km NNE	Heard	6	Shot		Small arms	24-Dec, 13:04
	1.5km SW	Heard	10	Burst		Small arms	24-Dec, 13:07
	1-2km SW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 13:10
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 13:40
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	5	Burst		Small arms	24-Dec, 10:25
	1km W	Heard	29	Shot		Small arms	24-Dec, 12:00-12:30
	1km W	Heard	1	Burst		Small arms	24-Dec, 12:00-12:30
	1-2km W	Heard	1	Explosion	Undetermined	N/K	24-Dec, 12:30
Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard	7	Burst		Small arms	24-Dec, 10:40
	N/K NE	Heard	3	Shot		Small arms	24-Dec, 10:40
Chermalyk (government-controlled, 31km NE of Mariupol)	N/K SE	Heard	4	Burst		HMG	24-Dec, 10:28-10:32
	N/K S	Heard	1	Burst		HMG	24-Dec, 11:45
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km NNW	Heard	10	Burst	Undetermined	HMG	23-Dec, 18:50-18:51
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SW	Heard	11	Shot		Small arms	23-Dec, 19:30-19:32
	4-5km S	Heard	1	Explosion	Undetermined	N/K	23-Dec, 20:28
	3-4km S	Heard	3	Burst		HMG	23-Dec, 20:44
	3-4km S	Heard	6	Shot		Small arms	23-Dec, 20:46
	4-5km S	Heard	3	Explosion	Undetermined	N/K	23-Dec, 20:48
	4-5km S	Heard	3	Explosion	Undetermined	N/K	23-Dec, 21:16-21:20
	3-4km S	Heard	21	Burst		HMG	23-Dec, 21:16-21:23
	3-4km S	Heard	7	Shot		Small arms	23-Dec, 21:22
	4-5km S	Heard	2	Explosion	Undetermined	N/K	23-Dec, 21:26
	3-4km S	Heard	2	Burst		HMG	23-Dec, 21:27
	4-5km S	Heard	2	Explosion	Undetermined	N/K	23-Dec, 21:28
	4-5km S	Heard	8	Explosion	Undetermined	N/K	23-Dec, 21:33-21:37
	3-4km S	Heard	2	Burst		HMG	23-Dec, 21:33
	3-4km S	Heard	11	Shot		Small arms	23-Dec, 21:37
	4-5km S	Heard	4	Explosion	Undetermined	N/K	23-Dec, 21:57
	3-4km S	Heard	3	Burst		HMG	23-Dec, 21:58
	3-4km S	Heard	1	Shot		Small arms	23-Dec, 22:25
	3-4km S	Heard	18	Burst		HMG	24-Dec, 10:43-10:56
	3-4km S	Heard	3	Burst		HMG	24-Dec, 11:06
	3-4km S	Heard	8	Shot		Small arms	24-Dec, 11:15-11:18
	3-4km S	Heard	12	Shot		Small arms	24-Dec, 11:32
	3-4km S	Heard	9	Burst		HMG	24-Dec, 11:32-11:39
	4-5km S	Heard	4	Burst	Undetermined	N/K	24-Dec, 11:35-11:39
	4-5km S	Heard	1	Explosion	Undetermined	N/K	24-Dec, 12:03
	4-5km S	Heard	3	Explosion	Undetermined	N/K	24-Dec, 13:05
	4-5km S	Heard	2	Shot		Small arms	24-Dec, 14:10
	3-4km S	Heard	5	Burst		HMG	24-Dec, 14:10
	2-3km SE	Heard	3	Burst		HMG	24-Dec, 15:43
	2-3km SE	Heard	3	Burst		HMG	24-Dec, 15:50
	4-5km S	Heard	2	Explosion	Undetermined	N/K	24-Dec, 18:13
4-5km S	Heard	1	Explosion	Undetermined	N/K	24-Dec, 18:26	

1.5km SE of Luhanske (government-controlled, 59km NE of Donetsk)	5-8km SSW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 10:02
	5-8km SSW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 10:07-10:10
	5-8km SSW	Heard	4	Explosion	Undetermined	N/K	24-Dec, 10:18-10:20
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SW	Recorded	1	Illumination flare	WNW to ESE	N/K	24-Dec, 17:41
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	24-Dec, 17:46
	2-4km SSW	Recorded	2	Illumination flare	WSW to ENE	N/K	24-Dec, 17:53
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km SSE	Recorded	2	Projectile	NW to SE (assessed as inside disengagement area)	N/K	23-Dec, 19:34
	2-4km E	Recorded	2	Projectile	N to S (assessed as outside disengagement area)	N/K	23-Dec, 19:46
	1.5-3km SE	Recorded	1	Projectile	NE to SW (assessed as inside disengagement area)	N/K	23-Dec, 20:45
	2-3km S	Recorded	2	Explosion	Impact (assessed as inside disengagement area)	N/K	24-Dec, 03:37
	0.8-1.5km E	Recorded	1	Projectile	S to N (assessed as outside disengagement area)	N/K	24-Dec, 16:25
	0.8-1.5km ESE	Recorded	1	Projectile	N to S (assessed as outside disengagement area)	N/K	24-Dec, 16:25
	0.8-1.5km E	Recorded	1	Explosion	Impact (assessed as outside disengagement area)	N/K	24-Dec, 16:25
	0.8-1.5km ENE	Recorded	1	Projectile	N to S (assessed as outside disengagement area)	N/K	24-Dec, 16:25
	0.8-1km ENE	Recorded	1	Projectile	N to S (assessed as outside disengagement area)	N/K	24-Dec, 16:33
	0.8-1km ENE	Recorded	1	Projectile	N to S (assessed as outside disengagement area)	N/K	24-Dec, 16:34
	Holubivske (non-government-controlled, 51km W of Luhansk)	2km NW	Heard	2	Burst		Small arms
3.5km ENE of Popasna (government-controlled, 69km W of Luhansk)	0.6-1km SSW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 09:21
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	1-2km W	Heard	25	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	24-Dec, 09:58-10:17
	1-2km W	Heard	131	Burst	Assessed as inside the disengagement area	HMG	24-Dec, 09:58-10:17
	1-2km W	Heard	21	Burst	Assessed as inside the disengagement area	Small arms	24-Dec, 09:58-10:17

	2-3km NW	Heard	12	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Dec, 12:30-12:45
	2-3km NW	Heard	8	Burst	Assessed as outside the disengagement area	N/K	24-Dec, 12:30-12:45
Novohryhorivka (non-government-controlled, 33km W of Luhansk)	8-12km WNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 10:32
1.5km W of Novohryhorivka (non-government-controlled, 33km W of Luhansk)	3-5km NW	Heard	2	Burst		HMG	24-Dec, 10:47
	5-8km WNW	Heard	10	Burst		HMG	24-Dec, 11:17-11:19
	8-12km NE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 11:20
3km N of Stepove (non-government-controlled, 27km W of Luhansk)	10-15km NE	Heard	10	Explosion	Undetermined	N/K	24-Dec, 10:40-10:44
NE edge of Raivka (non-government-controlled, 16km NW of Luhansk)	13-21km NW	Heard	8	Explosion	Undetermined	N/K	24-Dec, 11:13-11:16
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	25-Dec, 17:12
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-Dec, 19:11
	2-4km SE	Recorded	5	Projectile	WSW to ENE	N/K	24-Dec, 19:25
	3-5km SSE	Recorded	5	Projectile	WSW to ENE	N/K	24-Dec, 20:43
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 20:43
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	24-Dec, 22:11
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	25-Dec, 17:40
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 17:41
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	25-Dec, 17:43
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	4	Projectile	ESE to WNW	N/K	24-Dec, 19:35
	1-2km SSW	Recorded	3	Projectile	E to W	N/K	24-Dec, 20:38
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	24-Dec, 20:39
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	25-Dec, 00:07
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	25-Dec, 00:48
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 00:51
	0.6-1km SSW	Recorded	1	Projectile	E to W	N/K	25-Dec, 05:22
	2-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	25-Dec, 05:23
	1-2km SSW	Recorded	1	Illumination flare	W to E	N/K	25-Dec, 06:08
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	0.6-1.5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	25-Dec, 17:21
	2-4km E	Recorded	4	Projectile	S to N	N/K	24-Dec, 18:30
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	24-Dec, 18:44
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	25-Dec, 16:52
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	25-Dec, 17:27
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ESE	Recorded	4	Projectile	N to S	N/K	25-Dec, 17:36
	2-5km ENE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 20:28
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	10-50m NE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 22:02
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 22:55

SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km N	Recorded	2	Projectile	E to W	N/K	25-Dec, 18:26
Debaltseve (non-government-controlled, 58km NE of Donetsk)	6-8km NW	Heard	50	Explosion	Undetermined	N/K	24-Dec, 19:20-19:40
	6-8km NW	Heard	5	Burst		HMG	24-Dec, 19:20-19:40
S edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 12:00
2km NNW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	1km NW	Heard	2	Explosion	Undetermined	N/K	25-Dec, 11:30
	1km NW	Heard	1	Explosion	Undetermined	N/K	25-Dec, 11:39
	1km NW	Heard	20	Burst		HMG	25-Dec, 11:43-11:44
	2km WNW	Heard	3	Burst		HMG	25-Dec, 12:21
	2-3km W	Heard	5	Shot		Small arms	25-Dec, 13:05
	2km WNW	Heard	6	Shot		HMG	25-Dec, 13:26
	2km WNW	Heard	5	Burst		HMG	25-Dec, 13:26
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km NW	Heard	3	Burst		HMG	25-Dec, 13:30
	2-3km SW	Heard	3	Burst		Small arms	25-Dec, 12:52-12:53
	3-4km W	Heard	11	Explosion	Undetermined	N/K	25-Dec, 13:00-13:04
	2-3km WSW	Heard	5	Burst		HMG	25-Dec, 13:07-13:26
	2-3km WSW	Heard	7	Explosion	Undetermined	N/K	25-Dec, 13:07-13:26
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km W	Heard	3	Explosion	Undetermined	N/K	25-Dec, 13:45-14:00
	3-5km NNW	Heard	4	Burst		HMG	24-Dec, 18:58
	3-5km NNW	Heard	4	Burst		HMG	24-Dec, 19:10
	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 19:11
	3-5km NNW	Heard	1	Burst		HMG	24-Dec, 19:12
	3-5km NNW	Heard	2	Burst		HMG	24-Dec, 19:25
	6-8km NNW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 19:35
	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 19:58
	3-5km NNW	Heard	13	Burst		HMG	24-Dec, 20:01-20:03
	3-5km NNW	Heard	10	Burst		HMG	24-Dec, 20:35
	6-8km NNW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 20:35
	3-5km NNW	Heard		Burst	Uncountable overlapping	HMG	24-Dec, 20:36
	3-5km NNW	Heard	8	Burst		HMG	24-Dec, 20:37
	3-5km NNW	Heard	7	Burst		HMG	24-Dec, 20:38
	3-5km NNW	Heard	4	Burst		HMG	24-Dec, 20:39
	3-5km NNW	Heard		Burst	Uncountable overlapping	HMG	24-Dec, 20:40-20:42
	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 20:44
	3-5km NNW	Heard	3	Burst		HMG	24-Dec, 20:47
	3-5km NNW	Heard	5	Burst		HMG	24-Dec, 20:48
	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 20:52
	3-5km NNW	Heard	1	Burst		HMG	24-Dec, 20:55
	3-5km NNW	Heard	7	Burst		HMG	24-Dec, 20:57
	6-8km NNW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 20:58
	8-10km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 20:59
	6-8km NNW	Heard	4	Explosion	Undetermined	N/K	24-Dec, 21:03
	3-5km NNW	Heard	2	Burst		HMG	24-Dec, 21:37
	6-8km NNW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 21:38
6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 21:39	
6-8km NNW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 21:40	
3-5km NNW	Heard	5	Burst		HMG	24-Dec, 21:44	

Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SSE	Heard	20	Explosion	Undetermined	N/K	24-Dec, 19:15-19:37
	4-5km SSE	Heard	32	Burst		HMG	24-Dec, 19:15-19:38
	4-5km SE	Heard	6	Explosion	Undetermined	N/K	24-Dec, 20:00-20:03
	5-7km SE	Heard	7	Explosion	Undetermined	N/K	24-Dec, 20:18-20:30
	4-5km SE	Heard	29	Burst		Small arms	24-Dec, 20:20-20:32
	5-7km ESE	Heard	23	Explosion	Undetermined	N/K	24-Dec, 20:37-20:48
	4-5km ESE	Heard	37	Burst		HMG	24-Dec, 20:40-20:52
	5-7km E	Heard	15	Explosion	Undetermined	N/K	24-Dec, 20:50-20:56
	5-7km E	Heard	12	Explosion	Undetermined	N/K	24-Dec, 21:00-21:06
	4-5km SE	Heard	7	Burst		Small arms	24-Dec, 21:10
	4-5km SE	Heard	18	Burst		HMG	24-Dec, 21:12-21:15
	5-7km ESE	Heard	5	Explosion	Undetermined	N/K	24-Dec, 21:14-21:16
	4-5km SE	Heard	23	Burst		Small arms	24-Dec, 21:15-21:18
	5-6km SW	Heard	9	Burst		HMG	24-Dec, 21:40-21:42
	5-7km SW	Heard	4	Explosion	Undetermined	N/K	24-Dec, 21:45-21:55
	5-6km SW	Heard	8	Burst		HMG	24-Dec, 22:00-22:02
	4-5km E	Heard	11	Burst		Small arms	24-Dec, 22:01-22:03
	5-6km SW	Heard	16	Burst		Small arms	24-Dec, 22:06-22:08
	5-6km N	Heard	2	Explosion	Undetermined	N/K	24-Dec, 22:10-22:11
	5-6km SW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 22:10-22:11
	5-6km SE	Heard	15	Burst		Small arms	24-Dec, 22:15-22:16
	5-6km SW	Heard	26	Explosion	Undetermined	N/K	24-Dec, 22:16-22:22
	5-6km SW	Heard	8	Burst		HMG	24-Dec, 22:28-22:30
	5-6km SW	Heard	6	Explosion	Undetermined	N/K	24-Dec, 22:30-22:32
	6-7km N	Heard	6	Explosion	Undetermined	N/K	24-Dec, 22:30-22:32
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 22:55-22:56
	5-6km SW	Heard	4	Burst		HMG	24-Dec, 23:39
	5-6km SW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 23:40
	5-6km SW	Heard	9	Shot		Small arms	24-Dec, 23:52
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	24-Dec, 23:57-23:59
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	25-Dec, 07:25-07:30
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	25-Dec, 08:45
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	25-Dec, 10:57
	5-7km ESE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 15:04-15:06
5-7km ESE	Heard	6	Explosion	Undetermined	N/K	25-Dec, 15:34	
5-7km ESE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 15:45	
5-7km ESE	Heard	5	Explosion	Undetermined	N/K	25-Dec, 16:00-	

							16:02
	5-7km ESE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 17:30
	5-7km ESE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 17:45
	5-7km ESE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 18:00
E outskirts of Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km W	Heard	4	Burst		HMG	25-Dec, 10:35
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-3km SE	Recorded	2	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	24-Dec, 20:26
	2-3km SE	Recorded	5	Projectile	ENE to WSW (assessed as inside the disengagement area)	N/K	24-Dec, 20:38
	2-3km SE	Recorded	2	Projectile	SW to NE (assessed as inside the disengagement area)	N/K	24-Dec, 20:38
	2-3km SE	Recorded	2	Projectile	SW to NE (assessed as inside the disengagement area)	N/K	24-Dec, 20:39
	2-3km SE	Recorded	2	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	24-Dec, 20:39
	3-5km SE	Recorded	1	Projectile	NNW to SSE (unable to assess whether inside or outside the disengagement area)	N/K	24-Dec, 20:43
	2-3km SE	Recorded	1	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	24-Dec, 20:44
	3-5km SE	Recorded	1	Projectile	WNW to ESE (unable to assess whether inside or outside the disengagement area)	N/K	24-Dec, 20:44
	2-3km SE	Recorded	1	Projectile	WNW to ESE (assessed as inside the disengagement area)	N/K	24-Dec, 20:45
	1-3km ENE	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	24-Dec, 20:51
	2-3km SE	Recorded	3	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	25-Dec, 02:05
	2-3km SE	Recorded	2	Projectile	SW to NE (assessed as inside the disengagement area)	N/K	25-Dec, 02:05
	1-2km ESE	Recorded	1	Projectile	NNE to SSW (unable to assess whether inside or outside the disengagement area)	N/K	25-Dec, 16:56

					area)		
	1-2km E	Recorded	5	Projectile	N to S (unable to assess whether inside or outside the disengagement area)	N/K	25-Dec, 16:57
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km WSW	Heard	7	Explosion	Undetermined	N/K	24-Dec, 19:52-20:20
	10-15km N	Heard	61	Explosion	Undetermined	N/K	24-Dec, 19:52-20:20
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4-6km SSW	Heard	8	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	24-Dec, 19:30-20:00
	4-6km SSW	Heard	16	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	24-Dec, 20:06-20:37
	4-6km SSW	Heard	8	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	24-Dec, 21:21-21:30
	1-2km SSW	Heard	17	Shot	Assessed as outside the disengagement area	Small arms	24-Dec, 21:30-21:33
	1km SW	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	24-Dec, 21:33-21:35
1km SSE of Stanytsia Luhanska bridge (15km NE of Luhansk)	1-3km ESE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	25-Dec, 09:30
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Illumination flare	SSE to NNW	N/K	25-Dec, 19:23
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	25-Dec, 18:27
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	25-Dec, 19:08
	2-5km SSE	Recorded	9	Projectile	WSW to ENE	N/K	25-Dec, 19:16
	2-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	25-Dec, 19:17
	2-5km SSE	Recorded	6	Projectile	ENE to WSW	N/K	25-Dec, 19:18
	2-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	25-Dec, 19:19
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	26-Dec, 02:09
	1-3km SSW	Recorded	1	Projectile	NNE to SSW	N/K	25-Dec, 18:43
	1-3km SSW	Recorded	1	Explosion	Airburst	N/K	25-Dec, 18:43
	1-3km SSW	Recorded	5	Projectile	ESE to WNW	N/K	25-Dec, 18:43
	0.7-1.5km SSW	Recorded	5	Projectile	WNW to ESE	N/K	25-Dec, 19:13
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	25-Dec, 19:23
	0.7-1km SW	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 22:38
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 22:38
	0.7-1km SW	Recorded	1	Projectile	NW to SE	N/K	25-Dec, 22:38
	0.7-1km SW	Recorded	1	Projectile	NW to SE	N/K	25-Dec, 22:39
	0.7-1km SW	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 22:39
	1-2km SW	Recorded	2	Explosion	Undetermined	N/K	25-Dec, 22:40
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 22:44
	2-4km SW	Recorded	3	Explosion	Undetermined	N/K	25-Dec, 22:45
	1-2km S	Recorded	2	Explosion	Undetermined	N/K	25-Dec, 22:47
	1-2km SW	Recorded	2	Projectile	ESE to WNW	N/K	25-Dec, 22:49
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 22:49
1-2km SW	Recorded	2	Explosion	Undetermined	N/K	25-Dec, 23:09	
1-2km SW	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 00:11	
1-2km SW	Recorded	2	Explosion	Undetermined	N/K	26-Dec, 00:13	



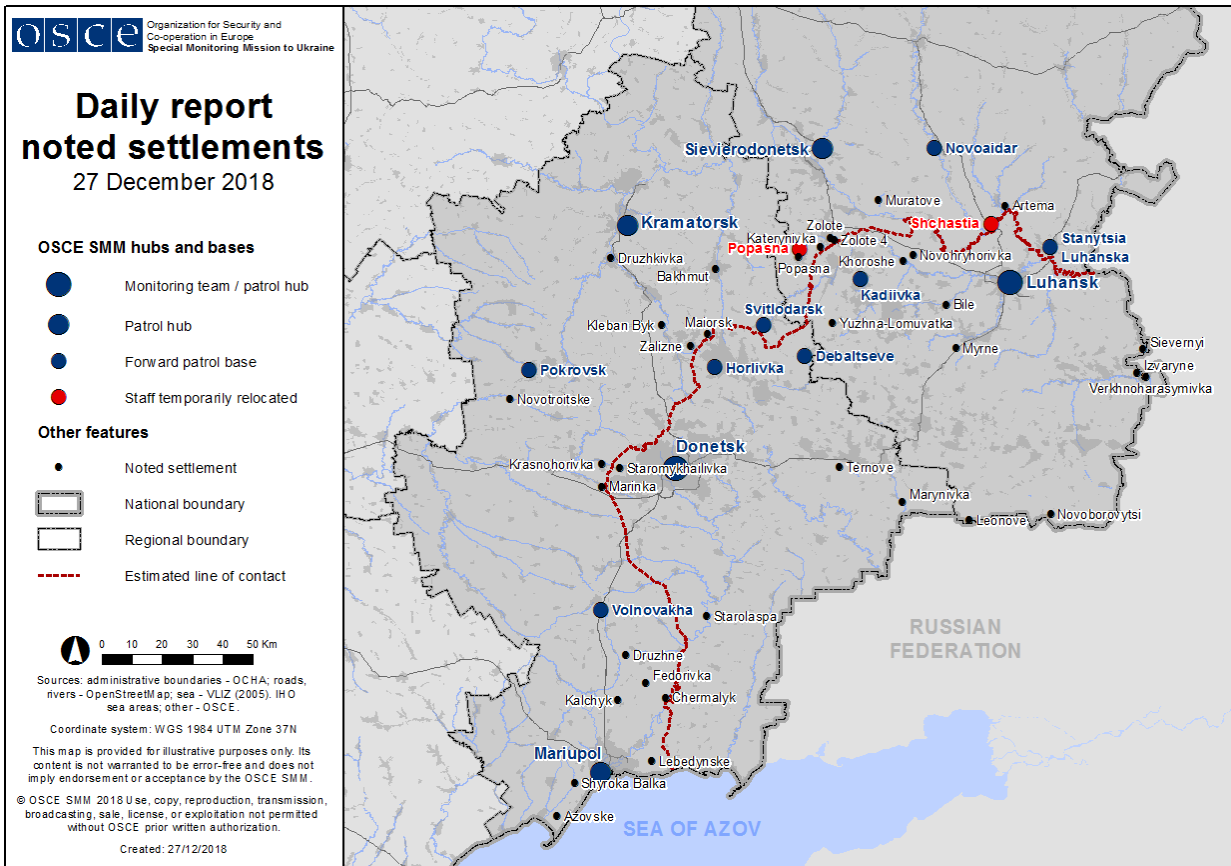
	1-2km SW	Recorded	1	Illumination flare	NNW to SSE	N/K	26-Dec, 01:12
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 01:12
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	25-Dec, 17:27
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	25-Dec, 18:56
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	25-Dec, 19:06
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	25-Dec, 19:07
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	25-Dec, 19:08
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	25-Dec, 19:11
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	25-Dec, 19:12
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	25-Dec, 23:50
	3-5km SE	Recorded	2	Projectile	S to N	N/K	26-Dec, 00:47
	3-5km SE	Recorded	1	Projectile	In vertical flight	N/K	26-Dec, 00:47
	3-5km ESE	Recorded	2	Projectile	N to S	N/K	26-Dec, 01:48
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	4	Projectile	E to W	N/K	25-Dec, 20:58
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	25-Dec, 22:31
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 03:26
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km ESE	Recorded	2	Projectile	SSW to NNE	N/K	25-Dec, 17:49
	2-7km E	Recorded	4	Projectile	S to N	N/K	25-Dec, 23:44
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km NNW	Heard	2	Explosion	Undetermined	N/K	26-Dec, 08:47
	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 09:49
NW edge of Vuhlehirsk (non-government-controlled, 49km NE of Donetsk)	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 10:19
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km WSW	Heard	7	Shot		Small arms	26-Dec, 10:00-10:05
	2km WSW	Heard	3	Burst		Small arms	26-Dec, 10:00-10:05
	2km WSW	Heard	5	Shot	Assessed as live-fire exercise	Small arms	26-Dec, 10:17
	2km WSW	Heard	3	Shot		Small arms	26-Dec, 13:51-13:54
	1.5km WSW	Heard	3	Burst		Small arms	26-Dec, 13:57
2km NNW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km N	Heard	2	Burst		HMG	26-Dec, 12:08
	1-2km W	Heard	1	Explosion	Undetermined	N/K	26-Dec, 13:21
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Heard	4	Explosion	Undetermined	N/K	26-Dec, 13:52-13:58
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 13:52-13:58
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	2km W	Heard	8	Burst		HMG	26-Dec, 13:40
	2km W	Heard		Shot	Uncountable overlapping	Small arms	26-Dec, 13:40
	2km W	Heard	5	Explosion	Undetermined	N/K	26-Dec, 13:40
	2-3km W	Heard	4	Explosion	Undetermined	N/K	26-Dec, 14:45
	1-3km W	Heard		Burst	Uncountable overlapping	HMG	26-Dec, 13:51-14:05
	1-3km W	Heard		Shot	Uncountable overlapping	Small arms	26-Dec, 13:51-14:05
	1-3km W	Heard	2	Explosion	Undetermined	N/K	26-Dec, 13:51-14:05

2.5km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	2-3km W	Heard	5	Burst		Small arms	26-Dec, 14:08
	3-4km NNE	Heard	10	Burst		Small arms	26-Dec, 11:22-11:30
	2km E	Heard	1	Burst		HMG	26-Dec, 11:22-11:30
	3-5km NNE	Heard	2	Explosion	Undetermined	N/K	26-Dec, 11:46
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	5	Shot		Small arms	25-Dec, 21:09
	3-5km SE	Heard	1	Burst		Small arms	25-Dec, 21:09
	3-5km S	Heard	15	Shot		Small arms	25-Dec, 21:14-21:15
	3-5km S	Heard	7	Burst		Small arms	25-Dec, 21:15
	3-5km SE	Heard	12	Burst		HMG	25-Dec, 21:22
	3-5km SE	Heard	7	Shot		Small arms	25-Dec, 21:24
	3-5km SE	Heard	1	Burst		HMG	25-Dec, 21:28
	3-5km SE	Heard	8	Shot		Small arms	25-Dec, 21:46
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 22:23
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 22:25
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 22:30-22:31
	3-5km S	Heard	18	Burst		HMG	25-Dec, 22:37
	3-5km S	Heard	1	Burst		HMG	25-Dec, 22:40
	3-5km S	Heard	8	Burst		HMG	25-Dec, 23:13
	3-5km SE	Heard	5	Shot		Small arms	26-Dec, 09:15-09:19
	3-5km SE	Heard	1	Shot		Small arms	26-Dec, 10:10
	5-7km SE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 10:20
	3-5km SE	Heard	1	Shot		Small arms	26-Dec, 11:50
3-5km SE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 11:53	
3-5km SE	Heard	5	Burst		Small arms	26-Dec, 18:22	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km SE	Recorded	2	Projectile	SW to NE (unable to assess whether inside or outside the disengagement area)	N/K	25-Dec, 18:00
	1-2km ESE	Recorded	2	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	25-Dec, 18:00
	1-2km ESE	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	25-Dec, 18:01
	3-5km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	25-Dec, 18:10
	1-2km ENE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	25-Dec, 18:10
	1-2km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	25-Dec, 18:11
	1-2km E	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	25-Dec, 18:12
	1-2km SE	Recorded	3	Projectile	ESE to WNW (unable to assess whether inside or outside the disengagement area)	N/K	25-Dec, 18:15
	1-2km SE	Recorded	1	Projectile	NW to SE (unable	N/K	25-Dec, 18:15

				to assess whether inside or outside the disengagement area)		
	1-2km SW	Recorded	3	Projectile	WNW to ESE (unable to assess whether inside or outside the disengagement area)	N/K 25-Dec, 18:25
	3-5km SSE	Recorded	1	Explosion	Undetermined (unable to assess whether inside or outside the disengagement area)	N/K 25-Dec, 20:34
	2-3km SE	Recorded	4	Projectile	SSW to NNE (assessed as inside the disengagement area)	N/K 25-Dec, 23:47
	2-3km SE	Recorded	1	Projectile	E to W (assessed as inside the disengagement area)	N/K 25-Dec, 23:48
	2-3km SE	Recorded	1	Projectile	In vertical flight (assessed as inside the disengagement area)	N/K 25-Dec, 23:49
	2-4km ESE	Recorded	2	Projectile	NE to SW (unable to assess whether inside or outside the disengagement area)	N/K 26-Dec, 02:10
	2-3km ESE	Recorded	1	Burst	S to N (assessed as outside the disengagement area)	N/K 26-Dec, 02:10
	1-2km ESE	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)	N/K 26-Dec, 02:10
	2-3km ESE	Recorded	1	Projectile	S to N (assessed as inside the disengagement area)	N/K 26-Dec, 02:16
	2-3km ESE	Recorded	1	Burst	WSW to ENE (assessed as outside the disengagement area)	N/K 26-Dec, 02:19
	2-3km SE	Recorded	1	Projectile	W to E (assessed as inside the disengagement area)	N/K 26-Dec, 05:04
	2-3km SE	Recorded	1	Projectile	N to S (assessed as inside the disengagement area)	N/K 26-Dec, 05:04
	2-3km SE	Recorded	4	Projectile	NW to SE (assessed as inside the disengagement area)	N/K 26-Dec, 05:14
	2-3km SE	Recorded	1	Projectile	NW to SE (assessed as inside the disengagement area)	N/K 26-Dec, 05:40
2km S of Muratove	5-6km SE	Heard	1	Shot		IFV (BMP-2) 26-Dec, 10:54

(government-controlled, 51km NW of Luhansk)						cannon (30mm)	
SE outskirts of Luhansk city (non-government-controlled)	1-2km S	Heard	12	Shot	Assessed as live-fire exercise	N/K	26-Dec, 10:54-10:56
Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km SSW	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	26-Dec, 11:00
	3-5km SSW	Heard	4	Burst	Assessed as outside the disengagement area	HMG	26-Dec, 11:00
	3-5km SSW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area )	N/K	26-Dec, 11:00
2km E of Buhaivka (non-government-controlled, 37km SW of Luhansk)	1-2km SW	Heard	7	Shot		Small arms	26-Dec, 11:04-11:09
NE edge of Orikhove (government-controlled, 57km NW of Luhansk)	4-5km SW	Heard	3	Burst		HMG	26-Dec, 12:40-12:48
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:40-12:48

## 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).