

Table of ceasefire violations as of 30 November 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km ESE	Recorded	1	Projectile	NE to SW	N/K	29-Nov, 21:19
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-5km SE	Recorded	3	Burst	SW to NE	N/K	30-Nov, 00:47
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	29-Nov, 18:09
	2-4km SE	Recorded	1	Burst	ENE to WSW	N/K	29-Nov, 23:25
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 04:40
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	2	Projectile	E to W	N/K	29-Nov, 18:42
	1-3km SSW	Recorded	4	Projectile	W to E	N/K	29-Nov, 18:58
	1-3km SSW	Recorded	4	Projectile	E to W	N/K	29-Nov, 19:35
	1-2km S	Recorded	2	Projectile	ESE to WNW	N/K	29-Nov, 20:13
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	29-Nov, 23:32
	1-3km SSW	Recorded	1	Projectile	In vertical flight	N/K	29-Nov, 23:32
	1-3km SSW	Recorded	3	Projectile	SE to NW	N/K	29-Nov, 23:46
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 01:45
	1-3km SSW	Recorded	1	Projectile	SE to NW	N/K	30-Nov, 02:45
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	30-Nov, 02:55
	1-3km SSW	Recorded	1	Projectile	SE to NW	N/K	30-Nov, 04:38
	2-3km SSW	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 04:51
	2-3km SSW	Recorded	3	Projectile	NW to SE	N/K	30-Nov, 04:52
	1-3km SSW	Recorded	2	Projectile	NNW to SSE	N/K	30-Nov, 04:53
	1-3km SSW	Recorded	3	Projectile	NW to SE	N/K	30-Nov, 05:39
	0.8-1.5km S	Recorded	3	Explosion	Undetermined	N/K	30-Nov, 05:45
	1-3km SSW	Recorded	1	Projectile	SE to NW	N/K	30-Nov, 05:48
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	30-Nov, 17:31
	1-2km SSW	Recorded	2	Projectile	WNW to ESE	N/K	30-Nov, 17:44
	1-3km SSW	Recorded	4	Projectile	WNW to ESE	N/K	30-Nov, 18:23
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	2	Projectile	S to N	N/K	29-Nov, 18:28
	2-4km E	Recorded	3	Projectile	N to S	N/K	29-Nov, 18:48
	2-4km E	Recorded	20	Projectile	SSE to NNW	N/K	29-Nov, 19:00
	2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	29-Nov, 19:01
	2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	29-Nov, 19:02
	2-4km E	Recorded	9	Projectile	S to N	N/K	29-Nov, 19:08
	1-3km ENE	Recorded	2	Projectile	NW to SE	N/K	29-Nov, 20:15
	1-3km ENE	Recorded	5	Projectile	NW to SE	N/K	29-Nov, 20:30
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	29-Nov, 20:40
	1-3km ENE	Recorded	3	Projectile	SE to NW	N/K	29-Nov, 20:46
	1-3km ENE	Recorded	2	Projectile	SE to NW	N/K	29-Nov, 20:47
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	29-Nov, 20:47
	1-3km NE	Recorded	1	Projectile	NW to SE	N/K	29-Nov, 20:48

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.

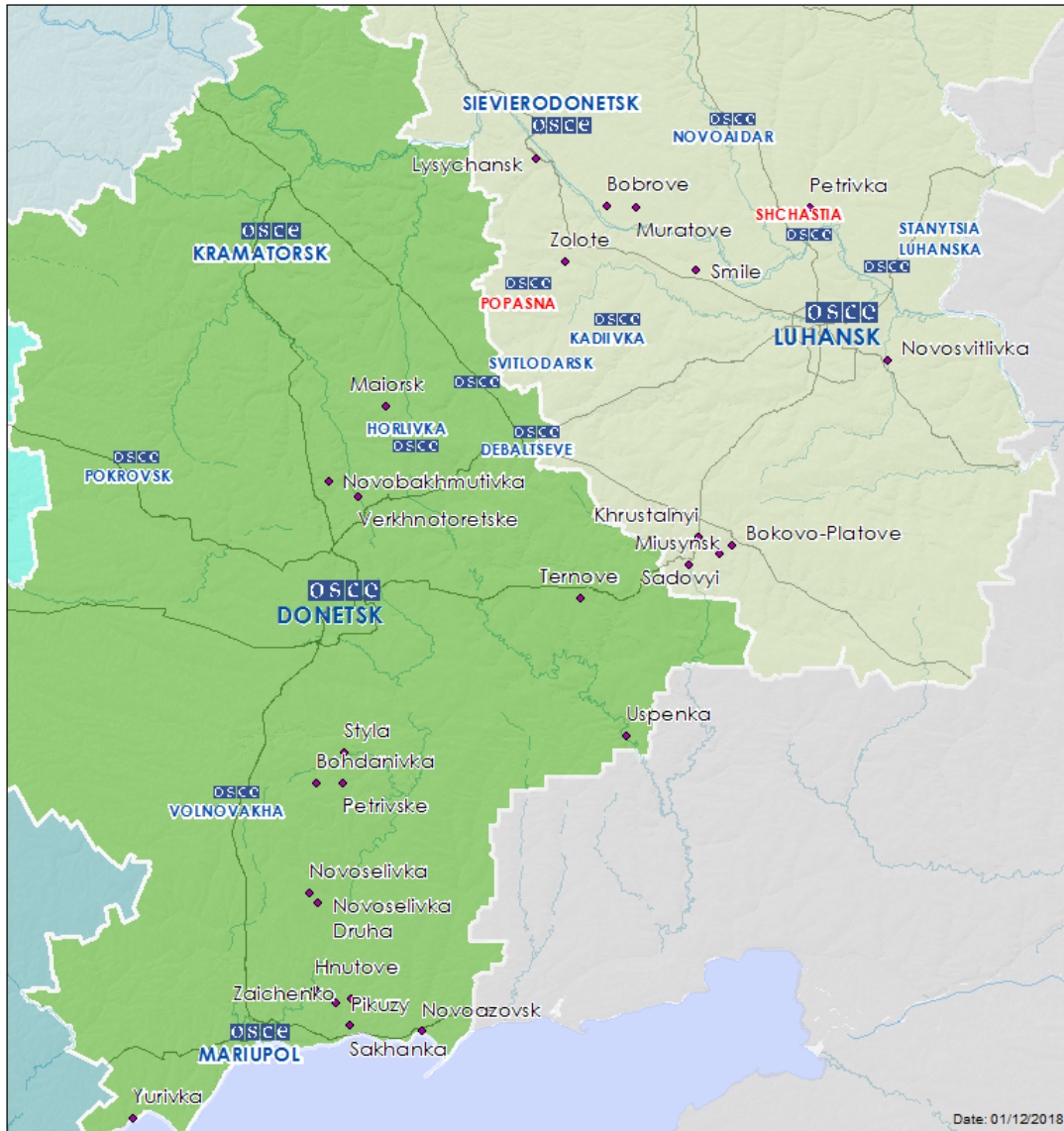
	1-3km E	Recorded	4	Projectile	S to N	N/K	29-Nov, 21:15
	1-3km ENE	Recorded	3	Explosion	Undetermined	N/K	29-Nov, 21:35
	1-3km E	Recorded	2	Projectile	S to N	N/K	29-Nov, 21:46
	1-3km E	Recorded	3	Projectile	S to N	N/K	29-Nov, 22:23
	1-3km ENE	Recorded	2	Projectile	NW to SE	N/K	29-Nov, 22:28
	1-3km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 22:28
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	29-Nov, 22:32
	1-3km E	Recorded	3	Projectile	NW to SE	N/K	29-Nov, 23:21
	1-3km ENE	Recorded	1	Projectile	SE to NW	N/K	29-Nov, 23:23
	1-3km ENE	Recorded	12	Projectile	SE to NW	N/K	30-Nov, 01:51
	1-3km ENE	Recorded	6	Projectile	SE to NW	N/K	30-Nov, 01:52
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 02:35
	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	30-Nov, 02:47
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 03:03
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 05:19
	2-4km ENE	Recorded	11	Projectile	SE to NW	N/K	30-Nov, 05:42
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	30-Nov, 05:42
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	5	Projectile	W to E	N/K	30-Nov, 05:31
	2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	29-Nov, 18:52
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	29-Nov, 18:52
	1-3km ENE	Recorded	13	Projectile	S to N	N/K	29-Nov, 18:53
	1-3km ENE	Recorded	5	Projectile	N to S	N/K	29-Nov, 18:53
	1-3km ENE	Recorded	2	Projectile	S to N	N/K	29-Nov, 18:53
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 18:53
	1-3km E	Recorded	1	Projectile	N to S	N/K	29-Nov, 18:53
	1-3km E	Recorded	20	Projectile	N to S	N/K	29-Nov, 18:54
	2-4km E	Recorded	1	Projectile	N to S	N/K	29-Nov, 21:47
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 22:03
	1-2km E	Recorded	1	Projectile	SW to NE	N/K	29-Nov, 22:11
	2-4km ENE	Recorded	1	Illumination flare	ENE to WSW	N/K	29-Nov, 22:40
	2-4km E	Recorded	2	Projectile	N to S	N/K	29-Nov, 23:30
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	30-Nov, 00:07
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	30-Nov, 00:50
	2-4km ESE	Recorded	2	Explosion	Impact	N/K	30-Nov, 01:37
	2-4km ESE	Recorded	1	Explosion	Impact	N/K	30-Nov, 01:45
	2-4km ESE	Recorded	10	Projectile	S to N	N/K	30-Nov, 01:56
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	30-Nov, 05:26
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-2km NNE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 02:49
	1-2km NNE	Recorded	1	Projectile	SE to NW	N/K	30-Nov, 05:09
	2-4km S	Recorded	5	Projectile	ENE to WSW	N/K	29-Nov, 18:14
	1-3km SSE	Recorded	7	Projectile	E to W	N/K	29-Nov, 20:19
	1-3km S	Recorded	2	Projectile	E to W	N/K	29-Nov, 21:43
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	29-Nov, 21:56
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 22:25
	1-3km SSE	Recorded	3	Projectile	W to E	N/K	29-Nov, 23:24
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	29-Nov, 23:25
	1-3km SSE	Recorded	2	Projectile	W to E	N/K	30-Nov, 00:22
	1-3km SSE	Recorded	1	Projectile	W to E	N/K	30-Nov, 00:56
SMM camera 1km SW of Shyrokyne	3-5km N	Recorded	4	Projectile	SE to NW	N/K	30-Nov, 01:29
	3-5km N	Recorded	3	Projectile	SE to NW	N/K	30-Nov, 01:30

(government-controlled, 20km E of Mariupol)	3-5km N	Recorded	5	Projectile	SE to NW	N/K	30-Nov, 01:40
	3-5km N	Recorded	5	Projectile	SE to NW	N/K	30-Nov, 04:04
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	2	Projectile	S to N	N/K	29-Nov, 20:51
	2-4km E	Recorded	22	Projectile	S to N	N/K	29-Nov, 21:13
	2-4km E	Recorded	5	Projectile	S to N	N/K	29-Nov, 21:14
	2-4km E	Recorded	9	Projectile	NW to SE	N/K	29-Nov, 22:42
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	29-Nov, 22:43
	2-4km E	Recorded	3	Projectile	S to N	N/K	30-Nov, 00:42
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	30-Nov, 00:57
	2-4km E	Recorded	6	Projectile	S to N	N/K	30-Nov, 01:04
	2-4km E	Recorded	4	Projectile	N to S	N/K	30-Nov, 01:08
	2-4km E	Recorded	1	Explosion	Impact	N/K	30-Nov, 01:08
	2-4km E	Recorded	6	Projectile	N to S	N/K	30-Nov, 01:13
	2-4km E	Recorded	6	Projectile	S to N	N/K	30-Nov, 01:56
	2-4km E	Recorded	4	Projectile	N to S	N/K	30-Nov, 02:00
	2-4km E	Recorded	5	Projectile	NW to SE	N/K	30-Nov, 03:46
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-Nov, 03:53
	2-4km NE	Recorded	3	Projectile	In vertical flight	N/K	30-Nov, 16:56
	2-4km ENE	Recorded	6	Projectile	NNW to SSE	N/K	30-Nov, 16:57
2-4km ENE	Recorded	3	Projectile	SSE to NNW	N/K	30-Nov, 16:57	
2.6km SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1km SE	Heard	3	Explosion	Undetermined	N/K	30-Nov, 09:05-09:15
	1km SE	Heard	2	Burst		HMG	30-Nov, 09:45-09:56
	1km SE	Heard	5	Explosion	Undetermined	N/K	30-Nov, 09:45-09:56
	2-3km SE	Heard		Shot and burst	Uncountable	HMG	30-Nov, 11:18-11:30
	2-3km SE	Heard	18	Explosion	Undetermined	N/K	30-Nov, 11:18-11:30
	2-3km SE	Heard	3	Explosion	Undetermined	N/K	30-Nov, 11:48-12:15
	2-3km S	Heard	8	Burst		HMG	30-Nov, 13:52-14:52
	2-3km S	Heard	2	Explosion	Undetermined	N/K	30-Nov, 13:52-14:52
	2-3km S	Heard	15	Shot		Small arms	30-Nov, 13:52-14:52
Trudivski area in Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city centre)	3-5km S	Heard	1	Explosion	Undetermined	N/K	30-Nov, 13:04
2.5km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 10:32
	N/K NE	Heard	1	Explosion	Undetermined	N/K	30-Nov, 11:18
Chermalyk (government-controlled, 31km NE of Mariupol)	N/K SSE	Heard	3	Explosion	Outgoing	N/K	30-Nov, 11:15-11:45
	N/K SSE	Heard	3	Explosion	Impact	N/K	30-Nov, 11:15-11:45
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	10	Shot		Small arms	29-Nov, 18:45
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 19:15
	3-5km SSE	Heard	31	Shot		Small arms	29-Nov, 19:15-19:17
	3-5km SE	Heard	11	Burst		HMG	29-Nov, 19:20-20:00
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	29-Nov, 19:45
	5-8km SSE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 19:50
	3-5km SE	Heard	8	Shot		Small arms	29-Nov, 19:20-

						20:00	
3-5km SSE	Heard	6	Shot		Small arms	29-Nov, 19:20-20:00	
3-5km SE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 20:10	
3-5km SE	Heard	28	Burst		HMG	29-Nov, 20:00-20:30	
3-5km SE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 20:20	
3-5km SE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 20:24	
3-5km SSE	Heard	6	Shot		Small arms	29-Nov, 20:15	
3-5km SE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 20:35-20:45	
3-5km SE	Heard	7	Burst		HMG	29-Nov, 20:35-20:45	
3-5km SE	Heard	6	Shot		Small arms	29-Nov, 20:35-20:45	
5-8km SSE	Heard	4	Burst		HMG	29-Nov, 21:04	
3-5km SE	Heard	7	Burst		HMG	29-Nov, 21:20-21:25	
3-5km SE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 22:05	
3-5km SE	Heard	4	Explosion	Undetermined	N/K	29-Nov, 22:25-22:35	
3-5km SE	Heard	13	Burst		HMG	29-Nov, 22:25-22:35	
3-5km ESE	Heard	11	Burst		HMG	29-Nov, 22:25-22:35	
5-8km ESE	Heard	4	Burst		HMG	29-Nov, 22:25-22:35	
3-5km SE	Heard	17	Burst		HMG	29-Nov, 22:50-23:00	
3-5km ESE	Heard	14	Burst		HMG	29-Nov, 22:50-23:00	
3-5km SE	Heard	7	Explosion	Undetermined	N/K	29-Nov, 23:10-23:15	
3-5km SE	Heard	11	Burst		HMG	29-Nov, 23:10-23:15	
3-5km SE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 23:40-23:45	
3-5km SE	Heard	6	Burst		HMG	29-Nov, 23:40-23:45	
3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 12:08	
3-5km SE	Heard	2	Burst	Undetermined	HMG	30-Nov, 12:08	
3-5km SE	Heard	41	Burst		HMG	30-Nov, 16:00-16:30	
3-5km SE	Heard	15	Explosion	Undetermined	N/K	30-Nov, 16:30	
3-5km SE	Heard	23	Explosion	Undetermined	N/K	30-Nov, 16:31-17:00	
3-5km SE	Heard	14	Burst		HMG	30-Nov, 16:31-17:00	
3-5km SE	Heard	5	Explosion	Undetermined	N/K	30-Nov, 17:01-17:30	
3-5km SE	Heard	3	Burst		HMG	30-Nov, 17:01-17:30	
3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 18:00-18:27	
3-5km SE	Heard	2	Burst		HMG	30-Nov, 18:00-18:27	
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-4km SW	Heard	5	Explosion	Undetermined	N/K	29-Nov, 18:55
E edge of Kamianka (government-controlled, 20km N of)	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	30-Nov, 09:15
	2-3km SSW	Heard	1	Explosion	Outgoing	N/K	30-Nov, 09:35
	3km NW	Heard	1	Explosion	Impact	N/K	30-Nov, 09:35

Donetsk)	2-3km SSW	Heard	1	Burst		HMG	30-Nov, 09:40
	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	30-Nov, 09:48
	4-5km SSW	Heard	8	Explosion	Undetermined	N/K	30-Nov, 11:00
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	30-Nov, 11:24
	2-3km SSW	Heard	6	Explosion	Undetermined	N/K	30-Nov, 11:26
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	30-Nov, 11:31
	2-3km SSW	Heard	3	Explosion	Undetermined	N/K	30-Nov, 11:36
	3-5km SSW	Heard	3	Explosion	Undetermined	N/K	30-Nov, 11:40
	2-3km SSW		2	Explosion	Undetermined	N/K	30-Nov, 11:49
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	30-Nov, 12:16
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	30-Nov, 12:27
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 13:01
	3-4km SE	Heard	2	Burst		HMG	30-Nov, 13:01
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	30-Nov, 12:16
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	30-Nov, 12:27
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 13:01
	3-4km SE	Heard	2	Burst		HMG	30-Nov, 13:01
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	30-Nov, 13:21
	4-5km SW	Heard	6	Explosion	Undetermined	N/K	30-Nov, 13:57
	N/K E	Heard	2	Burst		Small arms	30-Nov, 14:05
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SW	Recorded	5	Projectile	WNW to ESE	N/K	30-Nov, 16:56
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	0.5-1.5km SSE	Recorded	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Nov, 18:10
	0.5-1.5km SSE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Nov, 18:12
	1-2km SSE	Recorded	1	Projectile	W to E (assessed as outside the disengagement area)	N/K	29-Nov, 18:19
	0.5-1.5km SSE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Nov, 18:21
	1-2km SSE	Recorded	1	Projectile	E to W (assessed as outside the disengagement area)	N/K	29-Nov, 18:31
Zolote-4/Rodina (government-controlled, 60km NW of Luhansk)	1km NE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	30-Nov, 09:55-10:05
Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	2-8km SE	Heard	50	Explosion	Impact and outgoing	N/K	30-Nov, 12:50-14:05
	2-8km E	Heard	2	Explosion	Undetermined	N/K	30-Nov, 12:50-14:05
	2-3km SE	Heard	5	Burst		HMG	30-Nov, 12:50-14:05
	3-5km SW	Heard	1	Burst		HMG	30-Nov, 12:50-14:05
	2-5km SE	Heard	6	Salvo	Outgoing	MLRS (type N/K)	30-Nov, 12:50-14:05

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).