

**Table of ceasefire violations as of 28 May 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	1-3km SE	Recorded	1	Projectile	NE to SW	N/K	27-May, 22:42
	1-3km SE	Recorded	15	Burst	In vertical flight	N/K	27-May, 22:55
	1-3km ESE	Recorded	1	Projectile	In vertical flight	N/K	27-May, 22:56
	1-3km SE	Recorded	8	Projectile	NE to SW	N/K	27-May, 23:16
	1-3km SE	Recorded	5	Projectile	NE to SW	N/K	27-May, 23:17
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	28-May, 02:06
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-May, 00:50
	2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	27-May, 00:51
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	27-May, 21:14
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	27-May, 21:14
	2-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	27-May, 21:15
	2-4km SE	Recorded	8	Projectile	WSW to ENE	N/K	27-May, 21:19
	2-4km SE	Recorded	15	Projectile	WSW to ENE	N/K	27-May, 21:20
	2-4km SE	Recorded	15	Projectile	WNW to ESE	N/K	27-May, 21:21
	2-4km S	Recorded	6	Projectile	ENE to WSW (also recorded by Hnutove and Pyshevyk cameras)	N/K	27-May, 22:03
	2-4km S	Recorded	1	Projectile	ENE to WSW (also recorded by Hnutove and Pyshevyk cameras)	N/K	27-May, 22:06
	2-4km S	Recorded	1	Explosion	Airburst (also recorded by Hnutove and Pyshevyk cameras)	N/K	27-May, 22:06
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	27-May, 22:20
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	27-May, 22:21
	2-4km S	Recorded	5	Projectile	WSW to ENE	N/K	27-May, 22:22
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	27-May, 22:28
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	27-May, 22:28
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	27-May, 22:41
	1-2km SE	Recorded	12	Projectile	In vertical flight	N/K	27-May, 22:55
	1-2km SE	Recorded	5	Projectile	In vertical flight	N/K	27-May, 22:56
	2-4km SSE	Recorded	1	Explosion	Airburst (also recorded by Hnutove camera)	N/K	27-May, 23:04
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	27-May, 23:04
	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	27-May, 23:28
	2-4km SSE	Recorded	2	Projectile	WNW to ESE	N/K	27-May, 23:37
	2-4km SSE	Recorded	3	Projectile	WNW to ESE	N/K	27-May, 23:38

<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.

	2-4km S	Recorded	3	Projectile	WNW to ESE	N/K	27-May, 23:47
	2-4km SE	Recorded	11	Projectile	ENE to WSW	N/K	28-May, 00:04
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-May, 00:06
	2-4km SE	Recorded	1	Burst	ENE to WSW (approximately 20 rounds)	N/K	28-May, 00:11
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	28-May, 00:20
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-May, 00:34
	1-3km SSE	Recorded	1	Illumination flare	WNW to ESE	N/K	28-May, 00:39
	2-4km SE	Recorded	1	Burst	ENE to WSW (approximately 20 rounds)	N/K	28-May, 00:45
	2-4km SSE	Recorded	3	Projectile	WNW to ESE	N/K	28-May, 00:50
	2-4km SSE	Recorded	8	Projectile	WNW to ESE	N/K	28-May, 00:51
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	28-May, 00:54
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	28-May, 00:55
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	28-May, 01:02
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	28-May, 01:03
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-May, 01:04
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-May, 01:05
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	28-May, 01:26
	2-4km SE	Recorded	12	Projectile	ENE to WSW	N/K	28-May, 02:12
	2-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	28-May, 02:16
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	28-May, 02:23
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	28-May, 02:29
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	28-May, 02:32
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-May, 02:34
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	28-May, 03:07
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-May, 22:10
	0.8-1.5km SSW	Recorded	1	Projectile	W to E	N/K	27-May, 22:18
	0.8-1.5km SSW	Recorded	1	Projectile	W to E	N/K	27-May, 22:20
	0.8-1.5km S	Recorded	1	Projectile	ESE to WNW	N/K	27-May, 22:32
	0.5-1.5km S	Recorded	8	Projectile	ESE to WNW	N/K	27-May, 23:58
	0.5-1km SSW	Recorded	1	Explosion	Impact	N/K	27-May, 23:58
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	6	Projectile	N to S (also recorded by Chermalyk and Pyshevyk cameras)	N/K	27-May, 22:03
	2-4km ESE	Recorded	1	Projectile	In vertical flight (also recorded by Chermalyk and Pyshevyk cameras)	N/K	27-May, 22:06
	2-4km ESE	Recorded	1	Explosion	Airburst (also recorded by Chermalyk and Pyshevyk cameras)	N/K	27-May, 22:06
	2-4km ESE	Recorded	2	Burst	N to S (approximately 20 rounds )	N/K	27-May, 22:09
	2-4km ESE	Recorded	4	Muzzle flash		N/K	27-May, 22:10
	2-4km ESE	Recorded	2	Burst	N to S (approximately 20 rounds)	N/K	27-May, 22:14
	2-4km E	Recorded	5	Projectile	N to S	N/K	27-May, 22:28
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	27-May, 22:41
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	27-May, 22:43
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	27-May, 22:45
	2-4km ESE	Recorded	6	Explosion	Undetermined	N/K	27-May, 22:49

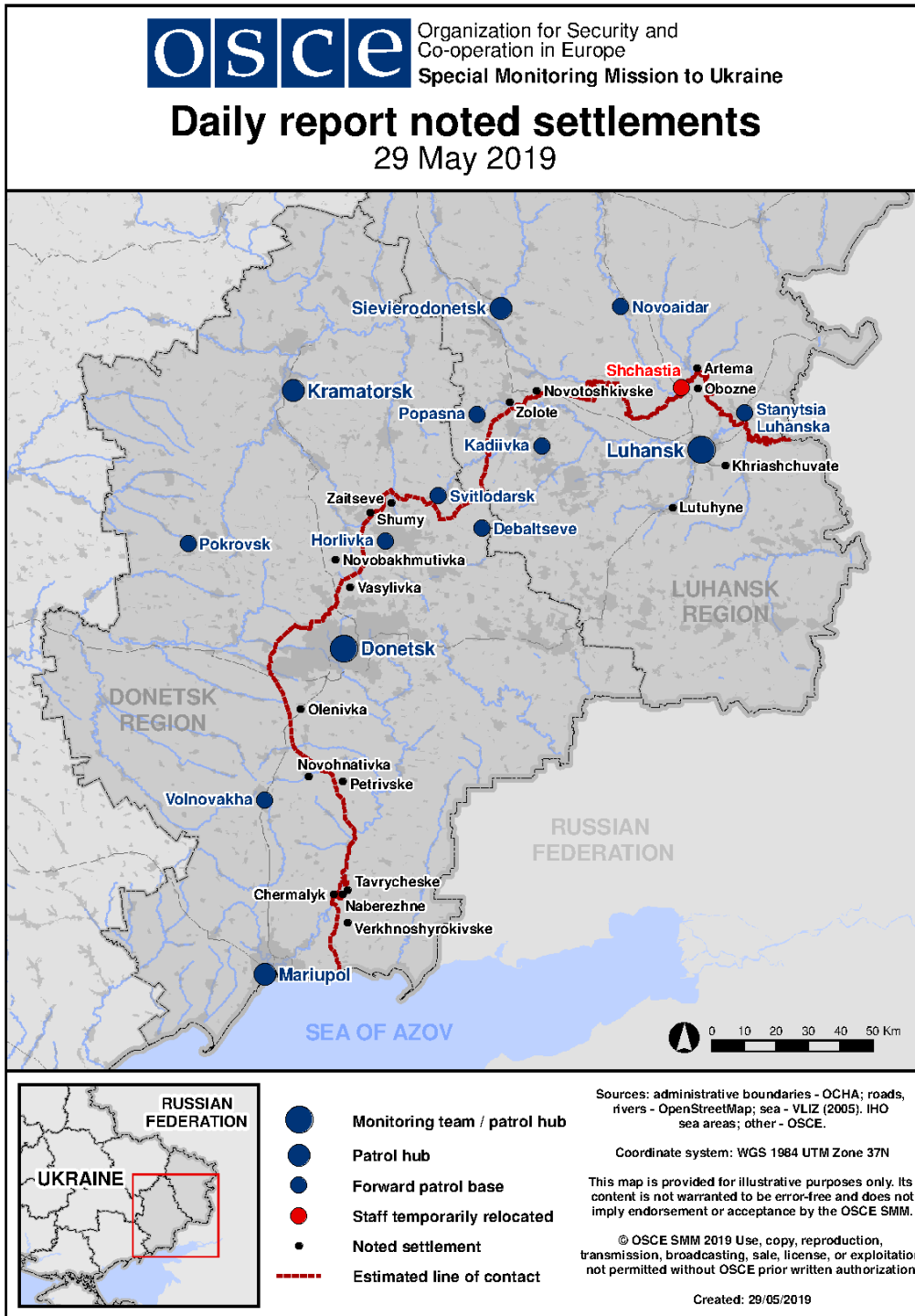
	2-4km ENE	Recorded	1	Explosion	Airburst (also recorded by Chermalyk camera)	N/K	27-May, 23:04
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	27-May, 23:05
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	27-May, 23:38
	2-4km ENE	Recorded	1	Explosion	Airburst	N/K	28-May, 00:48
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	28-May, 00:51
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	28-May, 00:49
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	28-May, 00:50
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	3	Projectile	W to E	N/K	27-May, 22:14
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	28-May, 00:48
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	2	Projectile	S to N	N/K	28-May, 01:19
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	6	Projectile	E to W (also recorded by Chermalyk and Hnutove cameras)	N/K	27-May, 22:03
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	27-May, 22:04
	2-4km SSE	Recorded	1	Projectile	E to W (also recorded by Chermalyk and Hnutove cameras)	N/K	27-May, 22:06
	2-4km SSE	Recorded	1	Explosion	Airburst (also recorded by Chermalyk and Hnutove cameras)	N/K	27-May, 22:06
	2-4km S	Recorded	2	Projectile	W to E	N/K	27-May, 22:21
	2-4km S	Recorded	3	Projectile	W to E	N/K	27-May, 22:22
	2-5km S	Recorded	1	Projectile	W to E	N/K	27-May, 22:42
	2-5km S	Recorded	1	Projectile	W to E	N/K	27-May, 23:08
	2-5km S	Recorded	1	Explosion	Impact	N/K	27-May, 23:08
	2-5km S	Recorded	2	Projectile	E to W	N/K	28-May, 01:08
SMM camera 1km SW of Shyrokyne (government-controlled, 20km E of Mariupol)	2-4km N	Recorded	1	Explosion	Undetermined	N/K	27-May, 20:36
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km ESE	Heard	3	Explosion	Undetermined	N/K	28-May, 10:41-10:45
	1-2km S	Heard	13	Burst		Small arms	28-May, 11:12
	1.5-2km S	Heard	1	Explosion	Undetermined	N/K	28-May, 11:44
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	28-May, 11:53
	2-4km S	Heard	3	Explosion	Undetermined	N/K	28-May, 12:39-

							12:43
The railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-5km N	Heard	1	Explosion	Undetermined	N/K	28-May, 10:43
	3-5km N	Heard	2	Explosion	Undetermined	N/K	28-May, 10:44-10:45
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	27	Shot		Small arms	28-May, 11:08
	2.5km SW	Heard and saw	1	Explosion	Impact	N/K	28-May, 11:44
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	28-May, 12:39
	2.5km SW	Heard and saw	1	Explosion	Impact	N/K	28-May, 12:41
	2-3km SW	Heard	6	Explosion	Undetermined	N/K	28-May, 12:41-12:46
	1-2km SW	Heard	13	Shot		Small arms	28-May, 12:41-12:46
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	28-May, 12:48
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	28-May, 12:51-12:54
	1-2km SW	Heard	8	Shot		HMG	28-May, 13:50
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-May, 13:58
Krasnohorivka (government-controlled, 21km W of Donetsk)	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	28-May, 11:53
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-May, 12:42
	3-4km W	Heard	1	Explosion	Undetermined	N/K	28-May, 12:43
About 2km N of Novotroitske (government-controlled, 36km SW of Donetsk)	3km N	Heard	2	Burst		HMG	28-May, 15:36
	4-5km NW	Heard	1	Explosion	Undetermined	N/K	28-May, 15:37
	3km N	Heard	2	Shot		HMG	28-May, 15:38
1km NNW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	5-6km N	Heard	2	Explosion	Undetermined	N/K	28-May, 15:40
	2-3km NE	Heard	1	Explosion	Undetermined	N/K	28-May, 09:30
	2-3km NE	Heard	1	Explosion	Undetermined	N/K	28-May, 10:05
About 3km SE of Chermalyk (government-controlled, 31km NE of Mariupol)	2km NE	Heard	4	Explosion	Undetermined	N/K	28-May, 10:53-10:56
	2-3km E	Heard	1	Explosion	Undetermined	N/K	28-May, 12:32-12:38
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km E	Heard	8	Shot		Small arms	28-May, 12:32-12:38
	3-4km SE	Heard	3	Shot		Small arms	27-May, 19:56
	4-5km SE	Heard	1	Burst		HMG	27-May, 20:11
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	27-May, 20:11
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	27-May, 21:35
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	27-May, 22:05
	4-5km SE	Heard	2	Shot		Small arms	27-May, 22:05
	4-5km SE	Heard	5	Burst		HMG	27-May, 22:26
	4-5km SE	Heard	2	Burst		HMG	27-May, 22:50
4-5km SE	Heard	3	Burst		HMG	27-May, 23:05-	

							22:06	
	4-5km ESE	Heard	1	Explosion	Undetermined	N/K	27-May, 23:08	
	4-5km ESE	Heard	12	Burst		HMG	27-May, 23:08-23:12	
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	27-May, 23:15	
	4-5km ESE	Heard	15	Burst		HMG	27-May, 23:15-23:18	
	4-5km ESE	Heard	12	Burst		HMG	27-May, 23:29-23:31	
	4-5km ESE	Heard	5	Burst		HMG	27-May, 23:35-23:37	
	4-5km ESE	Heard	2	Burst		HMG	27-May, 23:42	
	4-5km ESE	Heard	1	Explosion	Undetermined	N/K	27-May, 23:56	
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km W	Heard	4	Explosion	Undetermined	N/K	27-May, 19:40-19:42	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 19:46	
	3-5km W	Heard	10	Burst		HMG	27-May, 19:47	
	3-5km W	Heard	5	Burst		HMG	27-May, 19:48	
	3-5km W	Heard	2	Explosion	Undetermined	N/K	27-May, 19:49	
	2-3km W	Heard	5	Shot		Small arms	27-May, 19:56	
	2-3km W	Heard	10	Shot		Small arms	27-May, 19:57	
	2-3km W	Heard	2	Burst		HMG	27-May, 19:57	
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	27-May, 20:08	
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:12	
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	27-May, 20:14	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:15	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:20	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:26	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:29	
	3-5km NW	Heard	6	Burst		HMG	27-May, 20:39	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 20:41	
	3-5km NW	Heard	2	Explosion	Undetermined	N/K	27-May, 20:54	
	3-5km NW	Heard	1	Explosion	Undetermined	N/K	27-May, 21:08	
	2-3km W	Heard	3	Shot		Small arms	27-May, 22:17	
	3-5km W	Heard	2	Explosion	Undetermined	N/K	27-May, 22:45-22:48	
	3-5km W	Heard	1	Explosion	Undetermined	N/K	27-May, 22:59	
	3-5km W	Heard	3	Explosion	Undetermined	N/K	27-May, 23:07	
	3-5km NW	Heard	5	Burst		HMG	27-May, 23:07	
	3-5km NW	Heard	10	Burst		HMG	27-May, 23:13-23:15	
	3-5km W	Heard	2	Burst		HMG	27-May, 23:21	
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	28-May, 00:26	
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	28-May, 05:54	
	About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-6km SE	Heard	1	Explosion	Undetermined	N/K	28-May, 10:41
	2-4km ESE	Heard	1	Explosion	Undetermined	N/K	28-May, 10:45	
Maiorsk (government-controlled, 45km NE of Donetsk)	3-4km S	Heard	2	Explosion	Undetermined	N/K	28-May, 11:29	
	1-2km E	Heard	2	Burst		Small arms	28-May, 13:29	
SMM camera on N edge of Popasna (government-controlled, 69km W of								
	2-5km E	Recorded	3	Projectile	In vertical flight	Anti-aircraft gun (ZU-23, 23mm)	27-May, 22:56	
	2-5km E	Recorded	6	Explosion	Airburst	Anti-	27-May, 22:56	

Luhansk)					(three airbusts assessed as subsequent explosions of above-mentioned projectiles)	aircraft gun (ZU-23, 23mm)	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1.5-2.5km E	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	27-May, 22:47
	1.5-2.5km S	Recorded	1	Projectile	ENE to WSW (assessed as inside the disengagement area)	N/K	27-May, 22:53
	1.5-2.5km SSE	Recorded	40	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	27-May, 22:54
	1.5-2.5km SE	Recorded	2	Projectile	SW to NE (assessed as inside the disengagement area)	N/K	27-May, 22:54
	1.5-2.5km E	Recorded	32	Projectile	In vertical flight (assessed as outside the disengagement area)	N/K	27-May, 22:56
	E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	4.5-5km SSW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K
N edge of Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	10km NW	Heard	4	Explosion	Undetermined	N/K	28-May, 11:15
	2-5km NNW	Heard	1	Explosion	Undetermined	N/K	28-May, 12:25
W edge of Smile (non-government-controlled, 31km NW of Luhansk)	2-5km NW	Heard	1	Explosion	Undetermined (assessed as possible mine explosion)	N/K	28-May, 12:25
	2-3km W	Heard	15	Shot		Small arms	28-May, 13:49
N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km SE	Heard	110	Burst		HMG	28-May, 17:25-17:46
	2-4km SE	Heard	60	Explosion	Undetermined	N/K	28-May, 17:25-17:46
	3-5km SE	Heard	20	Burst		HMG	28-May, 17:46-18:30
	3-5km SE	Heard	30	Burst		Small arms	28-May, 17:46-18:30
	3-5km SE	Heard	10	Explosion	Undetermined	N/K	28-May, 17:46-18:30

## 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).