

**Table of ceasefire violations as of 28 March 2019<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 SE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 18:49
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	27-Mar, 19:10
	2-4km SSE	Recorded	8	Projectile	ENE to WSW	N/K	27-Mar, 19:34
	4-6km SSE	Recorded	12	Projectile	W to E	N/K	27-Mar, 20:32
	4-6km SSE	Recorded	1	Projectile	W to E	N/K	27-Mar, 21:11
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 21:11
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	27-Mar, 21:32
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	27-Mar, 21:33
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	27-Mar, 21:45
	2-4km SE	Recorded	12	Projectile	NE to SW	N/K	27-Mar, 21:46
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	27-Mar, 21:49
	3-5km S	Recorded	1	Projectile	E to W	N/K	27-Mar, 21:59
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	27-Mar, 22:20
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:44
	2-4km SE	Recorded	10	Projectile	NE to SW	N/K	27-Mar, 22:44
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	27-Mar, 22:45
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	27-Mar, 23:07
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	27-Mar, 23:08
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	27-Mar, 23:09
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	27-Mar, 23:10
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	27-Mar, 23:13
	2-4km SE	Recorded	5	Projectile	NNE to SSW	N/K	27-Mar, 23:29
	2-4km SE	Recorded	9	Projectile	NNE to SSW	N/K	27-Mar, 23:30
	2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	27-Mar, 23:34
	3-7km SE	Recorded	10	Projectile	ENE to WSW	N/K	28-Mar, 00:17
	3-7km SE	Recorded	2	Projectile	WSW to ENE	N/K	28-Mar, 00:17
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-Mar, 02:18
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-Mar, 02:19
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	28-Mar, 04:08
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	28-Mar, 04:09
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded	1	Projectile	E to W	N/K	27-Mar, 18:36
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Mar, 18:39
	1-2km SSW	Recorded	1	Projectile	WNW to ESE	N/K	27-Mar, 18:40
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	27-Mar, 18:41
	1-2km SSW	Recorded	1	Explosion	Outgoing	Mortar (type N/K)	27-Mar, 18:50
	400-800m SSW	Recorded	1	Explosion	Impact	Mortar (type N/K)	27-Mar, 18:50
	0.5-1km S	Recorded	1	Muzzle flash		AGL	27-Mar, 18:50
	0.7-1.5km SSE	Recorded	1	Explosion	Airburst	AGL	27-Mar, 18:50
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	27-Mar, 18:53
	0.5-1km S	Recorded	6	Muzzle flash		N/K	27-Mar, 18:54
	0.5-1km S	Recorded	3	Explosion	Impact	N/K	27-Mar, 18:54
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	27-Mar, 18:55
	1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	27-Mar, 18:58
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	27-Mar, 19:40
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 21:14
	1-3km S	Recorded	8	Projectile	E to W	N/K	27-Mar, 21:14
	1-3km SSW	Recorded	1	Projectile	NE to SW	N/K	27-Mar, 21:14

<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.

	1-3km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 21:15
	1-3km S	Recorded	4	Projectile	E to W	N/K	27-Mar, 21:15
	1-3km S	Recorded	14	Projectile	E to W	N/K	27-Mar, 21:20
	1-3km SSW	Recorded	1	Illumination flare	SSE to NNW	N/K	27-Mar, 21:22
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:39
	0.5-2km S	Recorded	4	Projectile	E to W	N/K	27-Mar, 23:42
	0.5-2km S	Recorded	1	Projectile	E to W	N/K	28-Mar, 00:44
	0.5-2km S	Recorded	1	Projectile	E to W	N/K	28-Mar, 01:44
	1-3km SW	Recorded	1	Explosion	Undetermined	N/K	28-Mar, 03:43
	1-3km SW	Recorded	1	Illumination flare	W to E	N/K	28-Mar, 03:50
	1-3km SW	Recorded	1	Illumination flare	W to E	N/K	28-Mar, 04:14
SMM camera 1.5km NE of Hnutove (government- controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	1	Projectile	N to S	N/K	27-Mar, 19:48
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	27-Mar, 21:15
	3-5km ENE	Recorded	1	Projectile	N to S	N/K	27-Mar, 21:23
SMM camera in Krasnohorivka (government- controlled, 21km W of Donetsk)	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 20:06
	5-7km ESE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:19
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	5-7km ESE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:29
	5-7km ESE	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:56
	3-5km E	Recorded	1	Projectile	NNE to SSW	N/K	27-Mar, 23:01
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 23:09
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 19:19
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 19:24
	1-2km N	Recorded	1	Projectile	SSW to NNE	N/K	27-Mar, 19:40
	1-2km NNE	Recorded	1	Illumination flare	NNW to SSE	N/K	27-Mar, 19:40
	1-2km NNE	Recorded	1	Illumination flare	NNW to SSE	N/K	27-Mar, 19:42
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 21:51
	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 21:52
	2-4km NNE	Recorded	6	Projectile	WSW to ENE	N/K	28-Mar, 01:11
	2-4km NNE	Recorded	3	Projectile	WSW to ENE	N/K	28-Mar, 01:47
	3-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Mar, 02:42
	2-4km S	Recorded	2	Projectile	E to W	N/K	27-Mar, 18:58
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Projectile	W to E	N/K	27-Mar, 18:58
	2-4km S	Recorded	3	Projectile	E to W	N/K	27-Mar, 19:33
	2-4km S	Recorded	1	Burst	In vertical flight	N/K	27-Mar, 19:49
	5-7km SSE	Recorded	2	Projectile	ENE to WSW	N/K	27-Mar, 21:37
	5-7km SSE	Recorded	1	Projectile	SSW to NNE	N/K	27-Mar, 21:37
	5-7km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 23:19
	2-4km SSE	Recorded	1	Projectile	NNE to SSW	N/K	27-Mar, 23:42
	3-5km SSE	Recorded	2	Projectile	NNE to SSW	N/K	28-Mar, 00:06
	5-7km SSE	Recorded	1	Projectile	E to W	N/K	28-Mar, 02:07
	5-7km SSE	Recorded	1	Projectile	E to W	N/K	28-Mar, 02:28

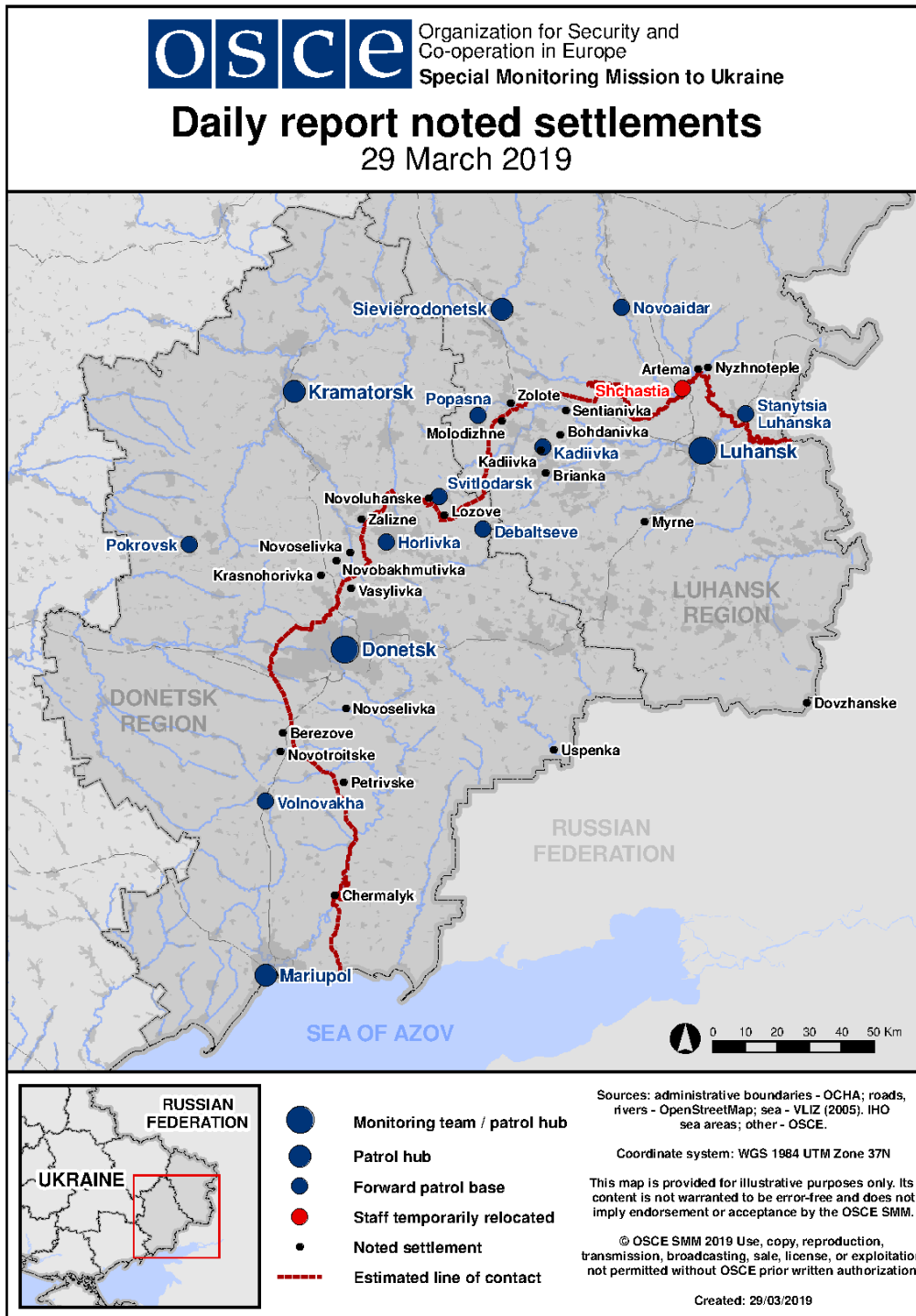
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Heard	7	Burst		HMG	28-Mar, 10:10
	2-4km ENE	Heard	18	Explosion	Undetermined	N/K	28-Mar, 10:10-10:15
	2-4km ENE	Heard	7	Explosion	Undetermined	N/K	28-Mar, 10:17
	2-4km ENE	Heard	8	Explosion	Undetermined	N/K	28-Mar, 10:20-10:23
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	5	Shot		Small arms	28-Mar, 09:48
	2km NNW	Heard	4	Explosion	Undetermined	N/K	28-Mar, 10:02-10:06
	2km NW	Heard	20	Explosion	Undetermined	N/K	28-Mar, 10:10-10:12
	1-2km NNW	Heard	14	Shot		Small arms	28-Mar, 10:15-10:17
	1-2km NNW	Heard	12	Explosion	Undetermined	N/K	28-Mar, 10:15-10:17
	3-4km SW	Heard	2	Shot		Small arms	28-Mar, 10:18
	3-4km SW	Heard	2	Shot		Small arms	28-Mar, 10:19
	1-2km NNW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:19
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 10:21
	3-4km NNW	Heard	5	Shot		Small arms	28-Mar, 10:21
	1-2km NNW	Heard	5	Explosion	Undetermined	N/K	28-Mar, 10:22
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:23
	3-4km SW	Heard	1	Shot		Small arms	28-Mar, 10:23
	4-5km SW	Heard	7	Explosion	Undetermined	N/K	28-Mar, 10:30-10:31
	3-4km NNW	Heard	2	Shot		Small arms	28-Mar, 10:32
	1-2km NNW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:32
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	28-Mar, 10:33
	1-2km NNW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:33
	3-4km NNW	Heard	2	Shot		Small arms	28-Mar, 10:35
	2-3km NNW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:35
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 10:36
	3-4km NNW	Heard	4	Shot		Small arms	28-Mar, 10:37
	2-3km NNW	Heard	3	Explosion	Undetermined	N/K	28-Mar, 10:37
	4-5km NNW	Heard	3	Shot		Small arms	28-Mar, 10:38
	2-3km NNW	Heard	3	Explosion	Undetermined	N/K	28-Mar, 10:38
	2-3km NNW	Heard	9	Explosion	Undetermined	N/K	28-Mar, 10:40-10:43
	1-4km NNW	Heard	36	Shot		Small arms	28-Mar, 10:50-11:15
	1-4km NNW	Heard	24	Shot		HMG	28-Mar, 10:50-11:15
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:57-11:02
	2-3km NNW	Heard	6	Explosion	Undetermined	N/K	28-Mar, 10:57-11:05
	2-4km N	Heard	12	Burst		Small arms	28-Mar, 11:01-11:15
	4-5km SW	Heard	26	Explosion	Undetermined	N/K	28-Mar, 12:34-12:50
4-5km SW	Heard	9	Explosion	Undetermined	N/K	28-Mar, 12:56-12:59	
4-5km NNW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 13:15	
2-4km SW	Heard	50	Explosion	Undetermined	N/K	28-Mar, 13:16	
1-2km NNW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 13:17	
4-5km SW	Heard	6	Shot		Small	28-Mar, 13:18	

	2-3km NNW	Heard	1	Explosion	Undetermined	arms N/K	28-Mar, 13:39
About 2.7km S of Sofiiivka (formerly Karlo-Marksove, non-government-controlled, 40km NE of Donetsk)	1-2km NNW	Heard	3	Explosion	Undetermined	N/K	28-Mar, 11:03-11:05
About 3km SSE of Lozove (non-government-controlled, 52km NE of Donetsk)	1-2km NW	Heard	5	Shot		Small arms	28-Mar, 13:41
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city center)	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 14:05
	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 14:06
	2-4km NNW	Heard	2	Explosion	Undetermined	N/K	28-Mar, 14:09
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	3-4km NNW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 14:10
	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	28-Mar, 10:00
	5-7km SSE	Heard	3	Explosion	Undetermined	N/K	28-Mar, 13:20
1km SW of Lebedynske (government-controlled, 16km NE of Mariupol)	5-7km SSE	Heard	2	Burst		Small arms	28-Mar, 13:27
	N/K NE	Heard	4	Burst		HMG	28-Mar, 10:40
3km WNW of Vodiane (government-controlled, 19km NE of Mariupol)	1-2km E	Heard	6	Shot		Small arms	28-Mar, 11:15-11:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km SE	Heard	1	Explosion	Undetermined	N/K	27-Mar, 18:55
	3-5km SE	Heard	5	Burst		HMG	27-Mar, 19:31
	3-5km SE	Heard	Uncountable	Shots and bursts		Small arms	27-Mar, 19:51
	3-5km SE	Heard	11	Burst		HMG	27-Mar, 20:23
	3-5km SE	Heard	17	Burst		HMG	27-Mar, 21:56
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Mar, 22:11
	3-5km SE	Heard	1	Burst		Small arms	27-Mar, 22:13
	3-5km SE	Heard	19	Burst		HMG	27-Mar, 22:14
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Mar, 22:15
	3-5km SE	Heard	262	Burst		HMG	27-Mar, 22:18-23:10
	3-5km SE	Heard	34	Explosion	Undetermined	N/K	27-Mar, 22:18-23:10
	3-5km SE	Heard	32	Explosion	Undetermined	N/K	27-Mar, 23:15-23:52
	3-5km SE	Heard	186	Burst		HMG	27-Mar, 23:15-23:52
Horlivka (non-government-	2-4km NW	Heard	12	Burst		HMG	28-Mar, 06:30-06:32

controlled, 39km NE of Donetsk)	3-6km NW	Heard	7	Explosion	Undetermined	N/K	28-Mar, 06:30-06:32
	2-4km NW	Heard	6	Burst		HMG	28-Mar, 06:45
	2-4km NW	Heard	8	Burst		HMG	28-Mar, 06:51
	3-6km NW	Heard	4	Explosion	Undetermined	N/K	28-Mar, 06:54
	2-4km NW	Heard	7	Burst		HMG	28-Mar, 06:58
	2-4km NW	Heard	4	Burst		HMG	28-Mar, 07:05
About 2km SSE of Kamianka (government- controlled, 20km N of Donetsk)	2-4km E	Heard	2	Explosion	Undetermined	N/K	28-Mar, 10:04
	2-4km E	Heard	1	Explosion	Outgoing	N/K	28-Mar, 10:10
	2-4km E	Heard	1	Explosion	Impact	N/K	28-Mar, 10:10
	N/K ESE	Heard	15	Shot		Small arms	28-Mar, 10:18
	1-1.5km ESE	Heard and saw	1	Burst	Airburst	Anti- aircraft gun (ZU- 23)	28-Mar, 10:34
	1-1.5km ESE	Heard and saw	1	Burst	Airburst	Anti- aircraft gun (ZU- 23)	28-Mar, 11:00
Berestove (government- controlled, 90km NE of Donetsk)	4-6km N	Heard	3	Explosion	Undetermined	N/K	28-Mar, 11:28-11:33
	3-5km N	Heard	1	Explosion	Undetermined	N/K	28-Mar, 11:34
NE edge of Novobakhmut ivka (government- controlled, 29km NE of Donetsk)	6-7km E	Heard	2	Explosion	Undetermined	N/K	28-Mar, 12:55
SMM camera in Kriakivka (government- controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	27-Mar, 21:12
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:15
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	27-Mar, 22:16
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:17
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:54
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:55
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 22:57
	3-5km SW	Recorded	4	Projectile	ESE to WNW	N/K	27-Mar, 23:02
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Mar, 23:17
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	27-Mar, 23:20
	3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	27-Mar, 23:22
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	27-Mar, 23:22
	Kadiivka (formerly Stakhanov, non- government- controlled, 50km W of Luhansk)	10-15km WSW	Heard	13	Explosion	Undetermined	N/K
10-15km NW		Heard	33	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	27-Mar, 17:35-18:25
2km SW of Myrne (non- government- controlled, 28km SW of Luhansk)	1km N	Heard	7	Explosion	Outgoing (assessed as live-fire exercise)	N/K	28-Mar, 10:42-10:48
	1km N	Heard	10	Burst	Assessed as live-fire exercise	N/K	28-Mar, 10:42-10:48
SE edge of Vesela Hora (non- government- controlled,	2-3km NNW	Heard	7	Shot		Small arms	28-Mar, 11:05-11:17

16km N of Luhansk)							
E edge of Popasna (government-controlled, 69km W of Luhansk)	3-4km SSE	Heard	9	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	28-Mar, 11:32-11:52
	10-15km SSW	Heard	1	Explosion	Undetermined	N/K	28-Mar, 13:50-14:10
	1-3km NE	Heard	61	Burst	Assessed as outside the disengagement area	HMG	28-Mar, 13:50-14:10
	1-3km NE	Heard	33	Burst	Assessed as outside the disengagement area	Small arms	28-Mar, 13:50-14:10
2km NE of Raivka (non-government-controlled, 16km NW of Luhansk)	2km N	Heard	25	Shot		Small arms	28-Mar, 11:55-12:30
Slovianoserbsk (non-government-controlled, 28km NW of Luhansk)	1-2km NNE	Heard	3	Burst		Small arms	28-Mar, 12:07-12:08
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	1-2km NNW	Heard	250	Shot	Assessed as outside the Zolote disengagement area	Small arms/HMG	28-Mar, 13:45-14:05

## 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).