Table of ceasefire violations as of 24 May 2019¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
					In vertical		
					flight (also		
					recorded by		
SMM camera in					SMM cameras		
Avdiivka					at the Donetsk		
(government-					Filtration		
controlled, 17km N				Illumination	station and		
of Donetsk)	3-4km SSE	Recorded	1	flare	Oktiabr mine)	N/K	23-May, 22:04
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	23-May, 21:05
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	23-May, 21:06
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 21:07
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 21:08
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	23-May, 21:09
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	23-May, 21:11
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	23-May, 21:20
	2-4km SE	Recorded	7	Projectile	NE to SW	N/K	23-May, 21:21
	2-4km SE	Recorded	5	Projectile	NE to SW	N/K	23-May, 21:22
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	23-May, 21:23
				Illumination	In vertical		
	2-4km SSE	Recorded	1	flare	flight	N/K	23-May, 21:30
	2-4km SE	Recorded	5	Projectile	NE to SW	N/K	23-May, 21:41
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	23-May, 21:42
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 21:54
	3-5km S	Recorded	1	Projectile	NE to SW	N/K	23-May, 22:18
	3-5km SE	Recorded	7	Projectile	NE to SW	N/K	23-May, 22:20
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 22:21
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	23-May, 22:23
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 22:24
	3-5km SE	Recorded	5	Projectile	NE to SW	N/K	23-May, 22:34
	3-5km SE	Recorded	7	Projectile	NE to SW	N/K	23-May, 22:49
	3-5km SE	Recorded	3	Projectile	NE to SW	N/K	23-May, 23:10
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	23-May, 23:12
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	24-May, 00:06
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 00:07
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-May, 00:08
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-May, 00:09
	2-4km SE	Recorded	7	Projectile	ENE to WSW	N/K	24-May, 00:10
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 00:11
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	24-May, 00:11
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 00:16
	2-4km S	Recorded	6	Projectile	WSW to ENE	N/K	24-May, 00:33
	2-4km SSE	Recorded	6	Projectile	ENE to WSW	N/K	24-May, 00:35
	2-4km SE	Recorded	18	Projectile	ENE to WSW	N/K	24-May, 00:36
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-May, 00:37
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 00:38
	2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	24-May, 00:39
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 00:39
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	24-May, 00:39
SMM camera in	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 00:40
Chermalyk	2-4km S	Recorded	11	Projectile	WSW to ENE	N/K	24-May, 00:40
(government-	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	24-May, 00:51
controlled, 31km	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-May, 01:01
NE of Mariupol)	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 01:02

.

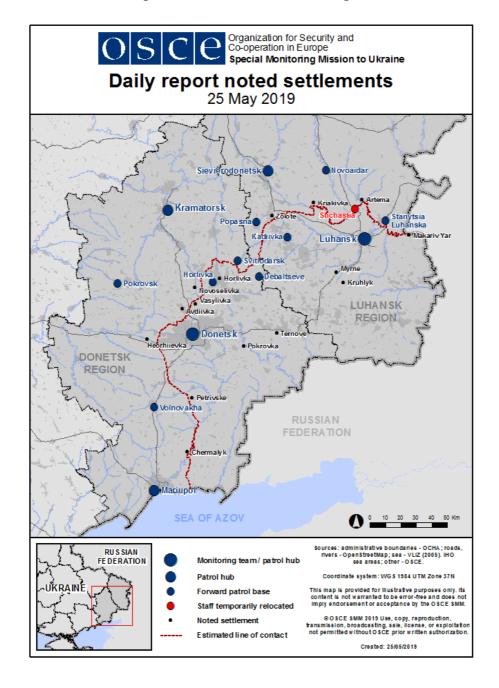
¹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, 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			T.		1
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 01:03
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 01:04
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	24-May, 01:04
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 01:05
	2-4km S	Recorded	3	Projectile	WSW to ENE	N/K	24-May, 01:05
	2-4km SE	Recorded	21	Projectile	ENE to WSW	N/K	24-May, 01:07
	2-4km S	Recorded	1	Explosion	Impact	N/K	24-May, 01:07
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-May, 01:51
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-May, 02:00
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 02:01
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-May, 02:10
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	24-May, 02:11
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 02:18
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 02:19
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 02:30
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-May, 02:45
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	24-May, 03:03
	3-5km ESE	Recorded	4	Explosion	Undetermined	N/K	23-May, 22:19
	3-5km ESE	Recorded	19	Projectile	N to S	N/K	24-May, 00:33
	3-5km ESE	Recorded		3	Undetermined	N/K	24-May, 00:33
	3-5km ENE	Recorded	1	Explosion Projectile	N to S	N/K	24-May, 00.33
			3				
	1-3km ESE	Recorded	1	Explosion	Impact	N/K	24-May, 00:34
	3-5km ENE	Recorded	8	Projectile	N to S	N/K	24-May, 00:35
	3-5km ENE	Recorded	8	Projectile	N to S	N/K	24-May, 00:39
	3-5km E	Recorded	1	Muzzle flash		N/K	24-May, 00:39
	3-5km E	Recorded	1	Projectile	ESE to WNW	N/K	24-May, 00:39
SMM camera 1.5km	3-5km ESE	Recorded	1	Explosion	Impact	N/K	24-May, 00:39
NE of Hnutove	3-5km ENE	Recorded	9	Projectile	N to S	N/K	24-May, 00:40
(government-	3-5km ENE	Recorded	2	Projectile	N to S	N/K	24-May, 01:04
controlled, 20km	3-5km ENE	Recorded	3	Projectile	N to S	N/K	24-May, 01:05
NE of Mariupol)	3-5km ENE	Recorded	1	Projectile	N to S	N/K	24-May, 01:12
SMM camera in	2-4km ENE	Recorded	3	Projectile	S to N	N/K	24-May, 00:07
Krasnohorivka							
(government-							
controlled, 21km W							
of Donetsk)	3-5km ENE	Recorded	4	Projectile	SSW to NNE	N/K	24-May, 00:52
SMM camera at	2-4km E	Recorded	25	Projectile	SSW to NNE	N/K	23-May, 22:59
entry-exit	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	24-May, 00:29
checkpoint in	2-4km ENE	Recorded	7	Projectile	NW to SE	N/K	24-May, 00:32
			,		1111 00 02		
Maiorsk	2-4km ENE	Recorded	3	Projectile	NW to SE	N/K	24-May, 00:33
Maiorsk (government-	2-4km ENE	Recorded				N/K	24-May, 00:33
Maiorsk (government- controlled, 45km	2-4km ENE	Recorded				N/K	24-May, 00:33
Maiorsk (government-	2-4km ENE 3-5km ENE	Recorded Recorded				N/K N/K	24-May, 00:33 24-May, 01:48
Maiorsk (government- controlled, 45km			3	Projectile	NW to SE		
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit	3-5km ENE	Recorded	2	Projectile Projectile	NW to SE	N/K	24-May, 01:48
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in	3-5km ENE 1-3km NNE	Recorded Recorded	2 2	Projectile Projectile Projectile	NW to SE NW to SE SW to NE	N/K N/K	24-May, 01:48 23-May, 22:17
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit	3-5km ENE 1-3km NNE	Recorded Recorded	2 2	Projectile Projectile Projectile	NW to SE NW to SE SW to NE	N/K N/K	24-May, 01:48 23-May, 22:17
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government-	3-5km ENE 1-3km NNE	Recorded Recorded	2 2	Projectile Projectile Projectile	NW to SE NW to SE SW to NE	N/K N/K	24-May, 01:48 23-May, 22:17
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka	3-5km ENE 1-3km NNE	Recorded Recorded	2 2 2 1	Projectile Projectile Projectile Projectile	NW to SE NW to SE SW to NE	N/K N/K N/K	24-May, 01:48 23-May, 22:17
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE	Recorded Recorded Recorded	2 2	Projectile Projectile Projectile Projectile Projectile	NW to SE NW to SE SW to NE SW to NE	N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at	3-5km ENE 1-3km NNE 1-3km NNE	Recorded Recorded Recorded	2 2 2 1	Projectile Projectile Projectile Projectile Projectile Projectile	NW to SE NW to SE SW to NE SW to NE SW to NE W to E	N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW	Recorded Recorded Recorded	2 2 1	Projectile Projectile Projectile Projectile Projectile	NW to SE NW to SE SW to NE SW to NE SW to NE W to E In vertical	N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE	Recorded Recorded Recorded	2 2 1	Projectile Projectile Projectile Projectile Projectile Projectile	NW to SE NW to SE SW to NE SW to NE SW to NE W to E	N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW	Recorded Recorded Recorded Recorded Recorded	3 2 2 1	Projectile Projectile Projectile Projectile Projectile Illumination	NW to SE NW to SE SW to NE SW to NE SW to NE W to E In vertical	N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government-	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW	Recorded Recorded Recorded Recorded Recorded	3 2 2 1	Projectile Projectile Projectile Projectile Projectile Illumination	NW to SE NW to SE SW to NE SW to NE SW to NE W to E In vertical	N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight	N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government-	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 3 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined	N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 00:11
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 3 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight	N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 3 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined	N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 00:11
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 3 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined	N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 00:11 24-May, 10:10
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) SE edge of	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 3 1 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 00:11 24-May, 10:10 24-May, 10:50-
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) SE edge of Avdiivka	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE 1-2km SE 1-3km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded Heard	3 2 2 1 3 1 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 00:11 24-May, 10:10 24-May, 10:50- 11:00
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) SE edge of Avdiivka (government-	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE 1-2km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	3 2 2 1 1 3 1 1 1 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 10:10 24-May, 10:50- 11:00 24-May, 10:50- 11:00
Maiorsk (government- controlled, 45km NE of Donetsk) SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) SE edge of Avdiivka	3-5km ENE 1-3km NNE 1-3km NNE 2-4km NNE 1-2km SSW 1-2km SE 1-2km SE 1-3km SE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded Heard	3 2 2 1 1 3 1 1 1 1	Projectile Projectile Projectile Projectile Projectile Projectile Illumination flare Explosion Explosion	NW to SE NW to SE SW to NE SW to NE W to E In vertical flight Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K N/K	24-May, 01:48 23-May, 22:17 23-May, 22:30 24-May, 00:07 23-May, 21:11 23-May, 23:40 24-May, 10:10 24-May, 10:50- 11:00 24-May, 10:50-

the railway station	2 51 CCW	TT 1	4	P 1	TT. 1.4	NT/TZ	24.34. 11.50
in Yasynuvata	3-5km SSW 2-5km N	Heard	3	Explosion Explosion	Undetermined Undetermined	N/K N/K	24-May, 11:59 24-May, 12:11
(non-government-	3-5km SW	Heard Heard	1	Explosion	Undetermined	N/K	24-May, 12:24
controlled, 16km	3-5km N	Heard	2	Explosion	Undetermined	N/K	24-May, 12:48
NE of Donetsk)	2-5km SW	Heard	1	Explosion	Undetermined	N/K	24-May, 12:52
1	1-2km SW	Heard	1	Shot	Ondetermined	Small arms	24-May, 12:52
Ì	1 ZKIII S W	Ticara	1	Shot		Sman arms	24-May, 14:10-
Ì	1-2km SSW	Heard	6	Explosion	Undetermined	N/K	14:13
About 1km E of							24-May, 11:06-
Kruta Balka (non-	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	11:08
government-							
controlled, 16km N							24-May, 11:06-
of Donetsk)	1-2km SSW	Heard	10	Shot		Small arms	11:08
Central railway	6-8km N	Heard	3	Explosion	Undetermined	N/K	24-May, 11:09
station in non-	6-8km N	Heard	3	Explosion	Undetermined	N/K	24-May, 11:10
government-							
controlled Donetsk city (6km NW of							
Donetsk city centre)	6-8km N	Heard	2	Explosion	Undetermined	N/K	24-May, 11:11
Trudivski area of	1km S	Heard	7	Shot	Ondetermined	Small arms	24-May, 11:38
non-government-	1km S	Heard	3	Burst		HMG	24-May, 11:39
controlled Donetsk	TKIII S	Ticaru	3	Duist		TIMO	24-101ay, 11.39
city's Petrovskyi							
district (15km SW							
of Donetsk city							
centre)	1km SSW	Heard	25	Shot		Small arms	24-May, 11:48
About 2.5km SE of							
Marinka							
(government-							
controlled, 23km							
SW of Donetsk)	1-2km E	Heard	1	Burst		Small arms	24-May, 11:50
Marinka							
(government-							
controlled, 23km SW of Donetsk)	2km E	Heard	1	Explosion	Undetermined	N/K	24-May, 12:56
5 W OI DOILCISK)	ZKIII E	Ticaru	1	Explosion	Ondetermined	Mortar	24-May, 12:12-
Ì	1-2km WSW	Heard	7	Explosion	Outgoing	(type N/K)	12:14
Ì	2-3km WSW	Heard	2	Burst	outgoing	HMG	24-May, 12:20
Dokuchaievsk (non-	2 Jan WSW	Troura	<u> </u>	Barst		Mortar	21 11149, 12.20
government-	1-2km WSW	Heard					
controlled, 30km			3	Explosion	Outgoing		24-May, 12:27
			3	Explosion	Outgoing	(type N/K) Mortar	24-May, 12:27
SW of Donetsk)	2-3km WSW	Heard	3	Explosion Explosion	Outgoing Outgoing	(type N/K)	24-May, 12:27 24-May, 12:35
SW of Donetsk) 1km NNW of	2-3km WSW	Heard				(type N/K) Mortar	_
	2-3km WSW	Heard				(type N/K) Mortar	_
1km NNW of Pyshchevyk (government-	2-3km WSW	Heard				(type N/K) Mortar	_
1km NNW of Pyshchevyk (government- controlled, 25km			3	Explosion		(type N/K) Mortar (type N/K)	24-May, 12:35
1km NNW of Pyshchevyk (government-	2-3km WSW 2km NE	Heard Heard				(type N/K) Mortar	24-May, 12:35 24-May, 09:46
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE	Heard	2	Explosion Shot		(type N/K) Mortar (type N/K) Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32-
1km NNW of Pyshchevyk (government- controlled, 25km			3	Explosion		(type N/K) Mortar (type N/K)	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W	Heard Heard	2 155	Explosion Shot Burst	Outgoing	(type N/K) Mortar (type N/K) Small arms HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32-
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE	Heard	2	Explosion Shot		(type N/K) Mortar (type N/K) Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32- 19:38
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W	Heard Heard Heard	2 155	Explosion Shot Burst Explosion	Outgoing	(type N/K) Mortar (type N/K) Small arms HMG N/K	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32- 19:38 23-May, 19:53-
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W	Heard Heard	2 155	Explosion Shot Burst	Outgoing	(type N/K) Mortar (type N/K) Small arms HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32- 19:38 23-May, 19:53- 20:04
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W	Heard Heard Heard Heard	2 155 15 75	Shot Burst Explosion Burst	Outgoing Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55-
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W	Heard Heard Heard Heard	2 155 15 75	Explosion Shot Burst Explosion Burst Explosion	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W	Heard Heard Heard Heard	2 155 15 75	Shot Burst Explosion Burst	Outgoing Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W 3-5km W	Heard Heard Heard Heard Heard Heard	2 155 15 75 11	Shot Burst Explosion Burst Explosion Explosion	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K	24-May, 12:35 24-May, 09:46 23-May, 19:32-19:38 23-May, 19:53-20:04 23-May, 19:55-20:04 23-May, 20:19 23-May, 20:19
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W	Heard Heard Heard Heard Heard Heard Heard	3 2 155 15 75 11 1	Explosion Shot Burst Explosion Burst Explosion Explosion Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19 23-May, 20:19- 20:21
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W	Heard Heard Heard Heard Heard Heard Heard Heard	2 155 15 75 11 1 5 4	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19 23-May, 20:19- 20:21 23-May, 21:36
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W 3-5km W	Heard Heard Heard Heard Heard Heard Heard Heard Heard	2 155 15 75 11 1 5 4	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst Burst Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19 23-May, 20:19 20:21 23-May, 21:36 23-May, 22:09
1km NNW of Pyshchevyk (government- controlled, 25km NE of Mariupol)	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W	Heard Heard Heard Heard Heard Heard Heard Heard	2 155 15 75 11 1 5 4	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32-19:38 23-May, 19:53-20:04 23-May, 19:55-20:04 23-May, 20:19 23-May, 20:19 23-May, 21:36 23-May, 21:36 23-May, 23:08
Ikm NNW of Pyshchevyk (government- controlled, 25km NE of Mariupol) Horlivka (non-	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W 3-5km W	Heard	2 155 15 75 11 1 5 4 2	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst Burst Burst Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms Small arms HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32-19:38 23-May, 19:53-20:04 23-May, 19:55-20:04 23-May, 20:19 23-May, 20:19 23-May, 21:36 23-May, 21:36 23-May, 23:08 23-May, 23:08
Ikm NNW of Pyshchevyk (government- controlled, 25km NE of Mariupol) Horlivka (non- government-	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W 3-5km W 3-5km W	Heard	2 155 15 75 11 1 5 4 2 2	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst Burst Burst	Outgoing Undetermined Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32-19:38 23-May, 19:53-20:04 23-May, 19:55-20:04 23-May, 20:19 23-May, 20:19 23-May, 21:36 23-May, 22:09 23-May, 23:08 23-May, 23:08 23-May, 23:09-23:11
1km NNW of Pyshchevyk (government- controlled, 25km	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W	Heard Heard Heard Heard Heard Heard Heard Heard	2 155 15 75 11 1 5 4	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst	Outgoing Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19 23-May, 20:19- 20:21 23-May, 21:36
1km NNW of Pyshchevyk (government- controlled, 25km NE of Mariupol) Horlivka (non-	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W 3-5km W	Heard	2 155 15 75 11 1 5 4 2	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst Burst Burst Burst	Outgoing Undetermined Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms Small arms HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32- 19:38 23-May, 19:53- 20:04 23-May, 19:55- 20:04 23-May, 20:19 23-May, 20:19- 20:21 23-May, 21:36 23-May, 22:09 23-May, 23:08 23-May, 23:09-
1km NNW of Pyshchevyk (government- controlled, 25km NE of Mariupol) Horlivka (non-	2km NE 3-5km W 3-5km W 3-5km W 3-5km W 3-5km W 4-6km W 3-5km W	Heard	2 155 15 75 11 1 5 4 2	Explosion Shot Burst Explosion Burst Explosion Explosion Burst Burst Burst Burst Burst Explosion	Outgoing Undetermined Undetermined Undetermined	(type N/K) Mortar (type N/K) Small arms HMG N/K HMG N/K HMG Small arms Small arms HMG	24-May, 12:35 24-May, 09:46 23-May, 19:32-19:38 23-May, 19:53-20:04 23-May, 19:55-20:04 23-May, 20:19 23-May, 20:19 23-May, 21:36 23-May, 21:36 23-May, 23:08 23-May, 23:09

	1	_	1	T			
About 500m NE of	2-3km ENE	Heard	1	Explosion	Undetermined	N/K	24-May, 09:18
Kamianka	2-3km ENE	Heard	1	Explosion	Undetermined	N/K	24-May, 09:54
(government-	3-5km SSE	Heard	3	Burst		HMG	24-May, 11:10
controlled, 20km N							
of Donetsk)	3-5km SSE	Heard	14	Explosion	Undetermined	N/K	24-May, 11:10
Luhanske							
(government-							
controlled, 59km E							24-May, 11:35-
of Donetsk)	2-3km E	Heard	15	Explosion	Undetermined	N/K	11:44
					Undetermined		
					(assessed as		
					outside the		
			_		disengagement		24-May, 11:15-
	5-8km NW	Heard	5	Explosion	area)	N/K	11:27
					Assessed as		
					outside the		
	- ot 2			_	disengagement		24-May, 11:15-
W edge of Zolote-	5-8km NW	Heard	12	Burst	area	HMG	11:27
2/Karbonit					Assessed as		
(government-					outside the		24.34 11.22
controlled, 62km W	0.101 3.137	77 1	2.5	D	disengagement	III (C	24-May, 11:32-
of Luhansk)	8-10km NW	Heard	35	Burst	area	HMG	11:44
					In vertical		
					flight (assessed as inside the		
					disengagement		
	2-3km SE	Recorded	48	Projectile	area)	N/K	23-May, 22:59
SMM camera in	Z-3KIII SE	Recorded	40	Frojectile	In vertical	IN/IX	23-Way, 22.39
Zolote					flight (assessed		
(government-					as inside the		
controlled, 60km W					disengagement		
of Luhansk)	2-3km SE	Recorded	3	Projectile	area)	N/K	23-May, 23:00
SMM camera in	Z-JKIII JE	Recorded	3	Trojectiic	aica)	IV/IX	23-Way, 23.00
Kriakivka							
(government-							
controlled, 38km							
NW of Luhansk)	2-4km SSW	Recorded	3	Projectile	ENE to WSW	N/K	23-May, 23:48
SMM camera on N	2 1811 55 11	recorded		110,0000	ENE to WEW	1.//12	25 17143, 25.10
edge of Popasna							
(government-							
controlled, 69km W					In vertical		
of Luhansk)	3-5km ESE	Recorded	1	Projectile	flight	N/K	23-May, 23:15
of Lunansk)	3-3KM ESE	кесогаеа	1	riojeciiie	mgnt	IN/K	23-May, 23:13

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).