Table of ceasefire violations as of 23 July 2017<sup>1</sup>

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Avdiivka (government- controlled, 17km N	3-4km ESE	Recorded 1 illumination flare from E to W	N/K	21July, 22:33
of Donetsk)		Recorded 1 illumination flare from W to E		21 July, 23:20
Yasynuvata ("DPR"-controlled, 16km NE	4-6km WSW	Heard 1 undetermined explosion		22 July, 10:07
of Donetsk)	4-0KIII WSW	Heard 1 undetermined explosion	N/K	22 July, 10:20
		Heard 1 undetermined explosion		22 July, 10:31
	4-6km W	Heard 1 undetermined explosion		22 July, 11:11
	3-4km W	Heard 4 bursts	Small arms	22 July, 12:20
	5-7km WSW	Heard 1 undetermined explosion	N/K	22 July, 14:24
SMM camera at		Recorded 1 undetermined explosion		21 July, 21:12
Shyrokyne		Recorded 1 undetermined explosion		21 July, 21:16
(20km E of		Recorded 1 tracer from E to W		21 July, 21:49
Mariupol)		Recorded 1 tracer from E to W		21 July, 21:55
		Recorded 2 tracers from E to W		21 July, 21:58
		Recorded 33 tracers from E to W		21 July, 22:01
		Recorded 21 tracers from E to W		21 July, 22:04
	N/K N	Recorded 16 tracers from E to W		21 July, 22:06
		Recorded 1 rocket-assisted projectile from SW to NE	N/K	21 July, 22:12
		Recorded 6 tracers from E to W Recorded 3 tracers from W to E		21 July, 22:19
		Recorded 2 tracers from E to W		21 July, 22:22
		Recorded 8 tracers from W to E  Recorded 1 tracer from W to E		21 July, 23:33
	N/K NE	Recorded 1 rocket-assisted projectile from SE to NW		22 July, 00:50
		Recorded 1 undetermined explosion		22 July, 03:14
	N/K N	Recorded 9 tracers from E to W		22 July, 03:38
		Recorded 1 rocket-assisted projectile from E to W		22 July, 03:53
		Recorded 2 rocket-assisted projectiles from E to W		22 July, 03:54
Horlivka	5-6km SW	Heard 1 burst	Small arms	21 July, 19:09
("DPR"-controlled, 39km NE of Donetsk)	5-6km S	Heard 3 undetermined explosions		21 July, 19:36
		Heard 1 undetermined explosion	N/K	21 July, 19:37
	5-6km SW	Heard 2 undetermined explosions		21 July, 19:38
	5-6km S	Heard 2 shots	Small arms	21 July, 19:38
		Heard 3 bursts	Anti-aircraft cannon (ZU-23, 23mm)	21 July, 19:40
		Heard 5 bursts	Anti-aircraft cannon (ZU-23)	21 July, 19:41
	5-6km SW	Heard 3 bursts	HMG	21 July, 19:44

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<sup>&</sup>lt;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.

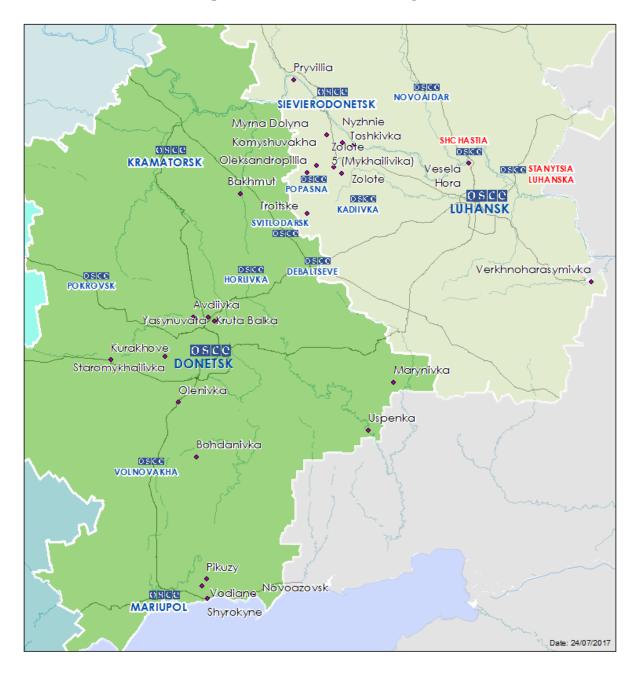
	5-6km SSW	Heard uncountable overlapping bursts and shots	Small arms	21 July, 19:45-19:47
	5-6km SW	Heard 4 bursts	Anti-aircraft cannon (ZU-23)	21 July, 19:48
Svitlodarsk		Heard 9 undetermined explosions		21 July, 20:20-20:35
(government- controlled, 57km NE		Heard 10 undetermined explosions	N/K	21 July, 20:36-20:45
		Heard 5 undetermined explosions		21 July, 20:46-20:50
of Donetsk)		Heard 1 burst	Small arms	21 July, 21:33
		Heard 2 bursts	HMG	21 July, 22:07-22:10
		Heard 3 undetermined explosions		21 July, 22:15
		Heard 3 undetermined explosions	N/K	21 July, 22:20-22:30
		Heard 11 bursts	HMG	21 July, 22:45
		Heard 3 bursts	Small arms	21 July, 22:50
		Heard 6 undetermined explosions	N/K	21 July, 22:51-22:53
		Heard 4 undetermined explosions	IV/IX	21 July, 23:00-23:03
		Heard 15 bursts	HMG	21 July, 23:05-23:09
		Heard 8 undetermined explosions	N/K	21 July, 23.03-23.07
	5-9km SE	Heard 3 bursts	HMG	21 July, 23:11-23:15
		Heard 2 undetermined explosions		21 July, 23.11-23.13
		Heard 3 undetermined explosions	N/K	21 July, 23:17-23:19
		Heard 2 undetermined explosions		21 July 22,47 22,51
		Heard 2 bursts	HMG	21 July, 23:47-23:51
		Heard 2 undetermined explosions	N/K	22 1-1- 00-05 00-00
		Heard 7 bursts	HMG	22 July, 00:05-00:09
		Heard 3 undetermined explosions	N/K	22 1 1 00 20 00 27
		Heard 6 bursts	HMG	22 July, 00:30-00:37
		Heard 4 undetermined explosions	N/K	22 July, 00:50-01:10
		Heard 5 bursts	In C	22 July, 01:20-01:25
		Heard 3 bursts	HMG	22 July, 01:28-01:33
		Heard 2 undetermined explosions	N/K	22 July, 01:35
		Heard 9 bursts	HMG	22 July, 01:37-01:39
Popasna	2.41. 65	Heard 15 explosions (outgoing)	Mortar (120mm)	21 July, 21:39-22:00
(government- controlled, 69km W		Heard 20 explosions (outgoing)	Mortar (82mm)	
of Luhansk)		Heard 15 shots	AGL (type N/K)	
or Euranok)		Heard 25 shots	IFV (BMP-2) cannon	
		Treate 25 shots	(30mm)	
		Heard 400 bursts	HMG	
		Heard 600 bursts	Small arms	
		Heard 2 explosions (outgoing)	Mortar (120mm)	
	3-4km SE	Heard 24 explosions (outgoing)	Mortar (82mm)	
		Heard 7 explosions (outgoing)	Recoilless gun (SPG-9, 73mm)	21 July 22.09 22 02
		Heard 40 shots	AGL (type N/K)	21 July, 22:08-23:00
		Heard 15 shots	IFV (BMP-2) cannon	
		Heard 175 bursts	HMG	
		Heard 85 bursts	Small arms	
SMM camera in	3-5km S	Recorded 1 projectile from S to N	N/K	21 July, 21:21
Zolote (government- controlled, 60km NW of Luhansk)	3-3Kiii B	(assessed as crossing the airspace of the disengagement area)	TVIX	21 July, 21.21
SMM camera in		Recorded 3 explosions (impacts)		22 July, 20:09-21:17
Avdiivka (government- controlled, 17km N of Donetsk)	4-5km ESE	Recorded 10 projectiles from N to S	N/K	22 July, 20:11-21:06
		Recorded at least 16 projectiles from S to N		22 July, 20:12-21:15
		Recorded 2 airbursts		22 July, 20:58
		Recorded 2 projectiles in vertical		22 July, 21:36-21:50

	T	]	<u> </u>	<u> </u>
		flight		
		Recorded 2 illumination flares in vertical flight		22 July, 22:51-22:53
		Recorded at least 27 projectiles from S to N		23 July, 00:48-00:58
		Recorded 10 projectiles from N to S		23 July, 00:49-00:52
		Recorded 2 explosions (impacts)		23 July, 00:55-01:10
		Recorded 1 illumination flare in vertical flight		23 July, 03:12
		Recorded 1 illumination flare in vertical flight		23 July, 03:13
		Recorded 2 projectiles from W to E		23 July, 04:22
Yasynuvata	2-3km N	Heard 2 undetermined explosions	N/K	23 July, 11:46-12:05
("DPR"-controlled, 16km NE of		Heard 20 bursts	HMG	22 July 12:22 12:25
Donetsk)	2-3km W	Heard 9 shots	Small arms	23 July, 12:32-12:35
		Heard 3 undetermined explosions	N/K	23 July, 14:08
	3-4km W	Heard 1 undetermined explosion	TV K	23 July, 15:34
Oleksandrivka ("DPR"-controlled,	2-3km W	Heard 7 bursts	HMG and small arms	· 23 July, 11:51-11:53
20km SW of Donetsk)		Heard 2 undetermined explosions	N/K	3,
SMM camera at		Recorded 3 tracers from E to W		22 July, 21:19
Shyrokyne (20km E of		Recorded 2 undetermined explosions		22 July, 21:23
Mariupol)		Recorded 8 tracers from E to W Recorded 2 tracers from W to E		22 July, 21:43
		Recorded 2 rocket-assisted projectiles from W to E		22 July, 21:44
		Recorded 1 undetermined explosion		22 July, 21:44
		Recorded 2 rocket assisted projectiles from E to W		22 July, 21:49
		Recorded 9 tracers from E to W		
		Recorded 16 tracers from W to E		22 July, 21:51
		Recorded 6 tracers from E to W		22 July, 21:54
		Recorded 9 tracers from E to W  Recorded 5 tracers from W to E		22.1.1.21.56
	N/K N	Recorded 1 undetermined explosion	N/K	22 July, 21:56
		Recorded 6 tracers from E to W		
		Recorded 1 tracer from W to E		22 July, 22:17
		Recorded 1 tracer from W to E		
		Recorded 1 rocket-assisted projectile from W to E		22 July, 22:23
		Recorded 2 tracers from E to W		22 July, 22:29
		Recorded 2 tracers from E to W  Recorded 1 tracer from W to E		22 July, 22:36
		Recorded 17 tracers from E to W		
		Recorded 1 tracer from W to E		22 July, 22:45
		Recorded 3 tracers from W to E		22 July, 22:51
		Recorded 10 tracers from E to W  Recorded 7 tracers from E to W		22 July, 22:56 22 July, 23:05
		Recorded 2 tracers from E to W		22 3419, 23.03
		Recorded 1 rocket-assisted projectile from E to W		22 July, 23:12
		Recorded 2 tracers from E to W		22 July, 23:22
		Recorded 2 tracers from E to W		22 July, 23:25
		Recorded 2 tracers from E to W		22 July, 23:33
		Recorded 2 tracers from E to W  Recorded 1 illumination flare in		22 July, 23:38
		vertical flight		22 July, 23:41
		Recorded 8 tracers from E to W		

Recorded I kineners from W to E   Recorded I kinener from W to E   Recorded I finener from W to E   Recorded I finener from B to W   Recorded I finener from E to W   Recorded I finener from W to E   Recorded I finener from W to E   Recorded I finener from E to W   Recorded I finener from E to W		T		T	T
Recorded 2 tracers from W to E   22 July, 23:51   22 July, 23:51   22 July, 23:57   22 July, 23:57   22 July, 23:57   22 July, 23:57   22 July, 20:40   23 July, 00:00   23 July, 00:31   23 July, 00:31   23 July, 00:35   23 Ju			Recorded 18 tracers from W to F		22 July, 23:45
Recorded 6 tracers from W to E   Recorded 6 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 tracers from E to W   Recorded 1 undetermined explosion   Recorded 1 undetermined   Recorded 1 tracers from E to W   Recorded 1 tra					-
Recorded 6 tracers from E to W   Recorded 6 tracers from E to W   Recorded 2 rocket-assisted projectiles from E to W   Recorded 6 tracers from W to E   Recorded 6 tracers from W to E   Recorded 6 tracers from W to E   Recorded 1 dillumination flare invertical flight   Recorded 4 tracers from W to E   Recorded 1 dillumination flare invertical flight   Recorded 2 tracers from W to E   Recorded 1 dillumination flare invertical flight   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 dillumination flare invertical flight   Recorded 1 rocket-assisted projectiles from W to E   Recorded 2 tracers from E to W   Recorded 1 dillumination flare invertical flight   Recorded 1 tracer from E to W   Recorded 1 dillumination flare invertical flight   Recorded 1 dillumination flare invertical flight					• ,
Recorded 2 rocket-assisted projectiles from E to W   Recorded 3 rocket from E to W   Recorded 6 tracers from E to W   Recorded 1 illumination flare in vertical flight   Recorded 1 undetermined explosion   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 2 tracers from E to W   Recorded 1 rocket-assisted projectiles from W to E   Recorded 3 tracers from E to W   Recorded 1 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 5 tracers from E to W					
From E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from W to E   Recorded 4 tracers from E to W   Recorded 1 lillumination flare in vertical flight   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 lillumination flare in vertical flight   Recorded 1 tracer from B to W   Recorded 1 flight   Recorded 2 tracers from E to W   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded			Recorded 6 tracers from W to E		23 July, 00:04
N/K N   Recorded 1 Illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 3 tracers from W to E   Recorded 4 tracers from W to E   Recorded 4 tracers from W to E   Recorded 1 Illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 Illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 Illumination flare in vertical flight   Recorded 1 Illumination flare in vertical flight   Recorded 3 tracers from E to W   Recorded 1 Tracers from E to W   Recorded 1 Undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 Undetermined explosion   Recorded 5 tracers from E to W   Recor					23 July 00:05
Recorded 6 tracers from W to E   Recorded 4 tracers from W to E   Recorded 4 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 1 undertermined explosion   Recorded 2 tracers from E to W   Recorded 2 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 tracer from E to W   Recorded 5 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 4 tracer from E to W   Recorded 4 tracer from E to W   Recorded 5 tracers from E to W					23 July, 00.03
Recorded of tracers from E to W   Recorded of tracers from E to W   Recorded 1 illumination flare in vertical flight   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 2 tracers from E to W   Recorded 1 tracers from E to W   Recorded 2 tracers from E to W   Recorded 5 tracers from E to W   Recorded					23 July, 00:09
Recorded 4 tracers from W to E   Recorded 4 Illumination flare in vertical flight   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 2 tracers from W to E   Recorded 1 Undertermined explosion   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 Undertermined flare in vertical flight   Recorded 1 Undertermined flare in vertical flight   Recorded 1 Undertermined flare in vertical flight   Recorded 1 Undertermined explosion   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undertermined explosion   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 undertermined explosion   Recorded 5 tracers from E to W   Recorded 1 tracer from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 5 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 5 tracers from E to W   Recorded 5 tracers from E to W   Recorded 5					<u> </u>
No.   No.					23 July, 00:15
Recorded 4 macers from E to W   Recorded 4 macers from E to W   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 3 macers from E to W   Recorded 1 tracers from W to E   Recorded 3 indeets from W to E   Recorded 3 indeets from E to W   Recorded 3 indeets from E to W   Recorded 3 indeets from E to W   Recorded 5 tracers from E to W   Recorded 5 indeets from E to W   Recorded 6 indeets from E to W   Recorded 6 indeets from E to W   Recorded 3 indeets from E to W   Recorde					23 July, 00:23
Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 3 tracers from W to E   Recorded 4 tracers from W to E   Recorded 1 illumination flare in vertical flight   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 5 tracers from E to					
Recorded 2 tracers from W to E   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracers from E to W   Recorded 5 tracers from E to W					
Recorded 2 tracers from W to E   Recorded 2 tracers from W to E   Recorded 1 rocket-assisted projectile from W to E   Recorded 1 rocket-assisted projectile from W to E   Recorded 1 illumination flare in vertical flight   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from W to E   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracers from E to W   Recorded 2					
Recorded 2 tracers from W to E					23 July, 00:37
Recorded 1 rocket-assisted projectile from W to E   Recorded 2 rocket-assisted projectiles from W to E   Recorded 1 illumination flare in vertical flight   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 19 tracers from E to W   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 illumination flare in vertical flight   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 4 tracers from E to W   Recorded 5 tracers from					
From W to E   Recorded 1 illumination flare in vertical flight   Recorded 1 illumination flare in vertical flight   Recorded 1 illumination flare in vertical flight   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 5 t					23 July, 00:38
From W to E   Recorded 1 illumination flare in vertical flight			from W to E		23 July, 00:39
Recorded   Illumination   flare in vertical flight			1 3		23 July, 00:52
N/K N   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1			Recorded 1 illumination flare in		23 July, 00:53
Recorded 1 tracer from W to E   Recorded 3 tracers from E to W			Recorded 10 tracers from E to W		23 July, 00:53
Recorded 3 tracers from E to W   Recorded 3 rocket-assisted projectiles from E to W   Recorded 10 undetermined explosion		N/K N		N/K	23 July, 01:06
Recorded 3 rocket-assisted projectiles from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 1 illumination flare in vertical flight   Recorded 1 illumination flare in vertical flight   Recorded 5 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1					
From E to W   Recorded 19 tracers from E to W   Recorded 1 undetermined explosion					23 July, 01:13
Recorded 1 undetermined explosion   23 July, 01:37					
Recorded 1 undetermined explosion   23 July, 01:37			Recorded 19 tracers from E to W		
Recorded 1 undetermined explosion   Recorded 5 tracers from E to W   Recorded 5 tracers from W to E   Recorded 1 including from E to W   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Record					23 July, 01:37
Recorded 5 tracers from E to W   Recorded 1 inducted from W to E   Recorded 5 tracers from E to W   Recorded 1 indumination flare in vertical flight   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W			Recorded 5 tracers from E to W		22 1 1 01 41
Recorded 1 tracers from W to E   Recorded 1 rocket-assisted projectile from W to E   Recorded 1 illumination flare in vertical flight   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer			Recorded 1 undetermined explosion		23 July, 01:41
Recorded 1 rocket-assisted projectile from W to E   Recorded 1 illumination flare in vertical flight   Recorded 5 tracers from E to W   Recorded 2 tracers from E to W   Recorded 1 tracer f					23 July, 01:43
N/K N   From W to E   Recorded 1 illumination flare in vertical flight   Recorded 5 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   23 July, 02:50   23 July, 03:03   23 July, 03:03   23 July, 03:06			Recorded 5 tracers from W to E		
Recorded 1 illumination flare in vertical flight   Recorded 5 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recor					23 July, 01:49
Vertical flight   Recorded 5 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 2 tracers from E to W   Recorded 1 tracer from E to W   23 July, 03:03   23 July, 03:26   23 July, 10:37   22 July, 20:46   22 July, 20:46   22 July, 20:49   22 July, 20:40   23 July, 20:40   24 July, 2		N/K N		N/K	
Recorded 5 tracers from E to W   Recorded 2 tracers from E to W   Recorded 2 tracers from E to W   Recorded 3 tracers from E to W   Recorded 1 tracer from E to W   Recorded 2 July, 03:03   Recorded 1 tracer from E to W   Recorded 2 July, 10:37   Recorded 1 tracer from E to W   Recorded 1 tracer from E to W   Recorded 2 July, 10:37   Recorded 1 tracer from E to W   Recorded 2 July, 20:46   Recorded 1 tracer from E to W   Recorded 1 tracer fr					23 July, 01:58
Recorded 3 tracers from E to W   23 July, 03:03   23 July, 03:26					23 July, 02:42
Recorded 1 tracer from E to W   23 July, 03:26					
SW edge of Lebedynske (government-controlled, 16km NE of Mariupol)         N/K ESE         Heard 3 bursts         Small arms         23 July, 10:37           Horlivka ("DPR"-controlled, 39km NE of Donetsk)         5-6km SW         Heard 1 burst         Small arms         22 July, 20:46           8-10km NNW         Heard 1 burst         Small arms         22 July, 20:47           22 July, 20:49         22 July, 20:49           8-8km W         Heard 4 bursts         N/K         22 July, 20:49-21:02           4 Heard 4 bursts         HMG         22 July, 21:30           22 July, 22:32         22 July, 22:32					
Lebedynske (government-controlled, 16km NE of Mariupol)       Heard 1 burst       22 July, 20:46         Horlivka ("DPR"-controlled, 39km NE of Donetsk)       5-6km SW       Heard 1 burst       Small arms       22 July, 20:47         8-10km NNW       Heard 8 undetermined explosions       N/K       22 July, 20:49-21:02         8-10km NNW       Heard 4 bursts       22 July, 20:49-21:02         Heard 4 bursts       HMG       22 July, 21:30         22 July, 22:32       22 July, 22:32	CW 1 2	N/IZ EGE		G 11	
(government-controlled, 16km NE of Mariupol)         Heard 1 burst         22 July, 20:46           Horlivka ("DPR"-controlled, 39km NE of Donetsk)         5-6km SW         Heard 1 burst         Small arms         22 July, 20:46           8-10km NNW         Heard 1 burst         22 July, 20:47         22 July, 20:49           8-10km NNW         Heard 8 undetermined explosions         N/K         22 July, 20:49-21:02           6-8km W         Heard 4 bursts         HMG         22 July, 21:30           5-6km W         Heard 4 bursts         HMG         22 July, 22:32		N/K ESE	Heard 3 bursts	Small arms	23 July, 10:37
Controlled, 16km NE of Mariupol)         Heard 1 burst         22 July, 20:46           Horlivka ("DPR"-controlled, 39km NE of Donetsk)         5-6km SW         Heard 1 burst         Small arms         22 July, 20:47           8-10km NNW         Heard 8 undetermined explosions         N/K         22 July, 20:49-21:02           6-8km W         Heard 4 bursts         HMG         22 July, 21:30           5-6km W         Heard 4 bursts         HMG         22 July, 22:32					
Horlivka ("DPR"-controlled, 39km NE of Donetsk)   5-6km SW   Heard 1 burst   Heard 1 burst   Small arms   22 July, 20:46   22 July, 20:47   22 July, 20:49	·C				
("DPR"-controlled, 39km NE of Donetsk)       5-6km SW       Heard 1 burst       Small arms       22 July, 20:47         8-10km NNW       Heard 8 undetermined explosions       N/K       22 July, 20:49-21:02         6-8km W       Heard 4 bursts       HMG       22 July, 21:30         5-6km W       Heard 4 bursts       HMG       22 July, 22:32	•				
5-6km SW					22 July, 20:46
8-10km	39km NE of	5-6km SW		Small arms	-
NNW         Heard 8 undetermined explosions         N/K         22 July, 20:49-21:02           6-8km W         Heard 4 bursts         22 July, 21:30           5-6km W         Heard 4 bursts         22 July, 22:32	Donetsk)	0.10	Heard 1 burst		22 July, 20:49
5-6km W Heard 4 bursts HMG 22 July, 22:32			Heard 8 undetermined explosions	N/K	22 July, 20:49-21:02
5-6km W Heard 4 bursts 22 July, 22:32		6-8km W	Heard 4 bursts	HMG	22 July, 21:30
Svitlodarsk 3-7 km SE Heard 3 undetermined explosions N/K 22 July, 20:40-20:45			Heard 4 bursts	TIIVIO	22 July, 22:32
	Svitlodarsk	3-7 km SE	Heard 3 undetermined explosions	N/K	22 July, 20:40-20:45

(government- controlled, 57km NE of Donetsk)		Heard 5 undetermined explosions Heard 19 undetermined explosions Heard 5 undetermined explosions Heard 6 undetermined explosions Heard 1 undetermined explosion Heard 2 undetermined explosions Heard 47 bursts	Small arms	22 July, 20:56-21:00 22 July, 21:58-22:10 22 July, 22:14-22:20 22 July, 22:28-22:33 22 July, 22:38 22 July, 22:57 22 July, 23:08-23:28
Popasna	3-5km N	Heard 17 bursts Heard 29 shots	HMG Small arms	22 July, 23:37-23:46 23 July, 02:53-03:04
(government- controlled, 69km W of Luhansk)	3km E	Heard 1 burst	Small arms	23 July, 03:20
1.5km NW of	4-5km SE	Heard 1 undetermined explosion	N/K	23 July, 10:24
Troitske (government- controlled, 69km W of Luhansk)	5-8km SE	Heard 1 undetermined explosion	N/K	23 July, 11:11

## 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 since 27 September 2016 based on recommendations of security experts from participating States.)