## Table of ceasefire violations as of 9 June 2017<sup>1</sup>

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
"DPR"-controlled	3-6km NW	Heard 2 undetermined explosions	•	8 June, 22:46
		Heard 1 undetermined explosion		8 June, 23:14
		Heard 1 undetermined explosion	N/K	9 June, 00:06
Donetsk city centre		Heard 1 undetermined explosion	IN/ IX	9 June, 03:10
	7-10km NW	Heard 1 undetermined explosion		9 June, 03:24
	/-10KIII IN W	Heard 1 undetermined explosion		9 June, 03:53
	4-6 km ESE	Recorded 18 explosions (impacts)		8 June, 19:31-19:52
		Recorded 3 explosions (impacts)		8 June, 20:42-20:44
		Recorded 2 projectiles from N to S		8 June, 20:45
		Recorded 1 explosion (impact)		-
		Recorded 4 explosions (impacts)		8 June, 20:47-20:56
		Recorded 3 projectiles from N to S		8 June, 21:18
		Recorded 2 projectiles from N to S		8 June, 21:50
		Recorded 4 projectiles from S to N		8 June, 21:52-21:55
		Recorded 8 projectiles in vertical flight		8 June, 21:59
	5-7km SE	Recorded 4 projectiles in vertical flight		8 June, 22:01
		Recorded 8 projectiles in vertical flight		8 June, 22:21
		Recorded 8 projectiles from N to S		8 June, 22:28
		Recorded 11 projectiles from N to S	N/K	-
SMM camera in		Recorded 1 projectile from S to N		8 June, 22:29
Avdiivka		Recorded 6 projectiles from S to N		8 June, 22:33
(government-		Recorded 1 projectile from N to S		8 June, 22:37
controlled, 17km N		Recorded 1 explosion (impact)		o June, 22.37
of Donetsk)	4-6km ESE	Recorded 3 projectiles from N to S		8 June, 23:20
		Recorded 1 projectile from NW to		
		SE		8 June, 23:37
		Recorded 1 explosion (impact)		
		Recorded 5 projectiles from N to S		9 June, 00:10
		Recorded 1 projectile from N to S		9 June, 02:01
		Recorded 3 projectiles from N to S		9 June, 02:02
		Recorded 2 projectiles from S to N		
		Recorded 2 projectiles from N to S		9 June, 02:14-02:15
		Recorded 1 undetermined explosion		9 June, 09:56
		Recorded 1 undetermined explosion		9 June, 10:04
	2km S	Recorded the presence of a tank	Tank (type N/K)	0.1 12.22 12.20
		(the tank started the engine and		9 June, 12:23-12:38
	4-6km ESE	moved in reverse towards east)	N/K	0 June 12:15
		Recorded 1 undetermined explosion		9 June, 13:15
		Recorded 3 undetermined explosions		9 June, 17:03-17:06
	3-5km NE	Recorded 1 explosion (impact)		8 June, 19:39
	6-8km NE	Recorded 2 explosions (impacts)	1	8 June, 20:46
SMM camera at the		Recorded 5 explosions (impacts)		8 June, 20:47-20:49
Oktiabr mine (9km NW of Donetsk city centre)	3-5km NE	Recorded 9 projectiles from SE to NW	N/K	8 June, 21:17-21:22
		Recorded 1 projectile from NW to SE		8 June, 21:23
		Recorded 4 projectiles from NW to		8 June, 21:24

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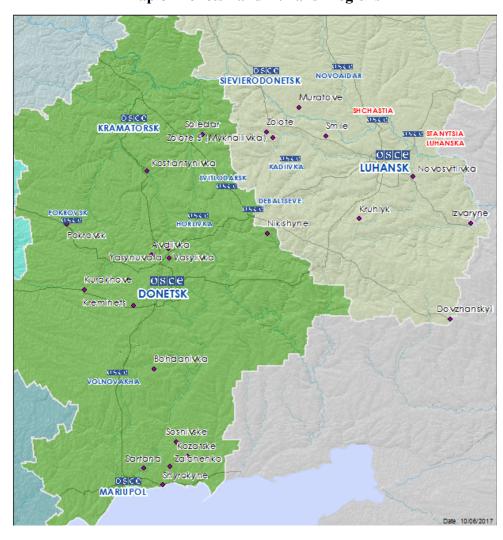
<sup>&</sup>lt;sup>1</sup> The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided 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.

		SE		
		Recorded 1 projectile from SE to		
		NW Recorded 7 projectiles from NW to SE		8 June, 22:26
		Recorded 1 illumination flare in vertical flight		8 June, 23:05
		Recorded 1 illumination flare in vertical flight		8 June, 23:13
		Recorded 3 projectiles from W to E		8 June, 23:16
	5-8km NE	Recorded 2 projectiles from W to E  Recorded 3 tracers from W to E		8 June, 23:25
		Recorded 3 tracers from W to E		8 June, 23:52
		Recorded 2 tracers from W to E		9 June, 01:25
		Recorded 1 illumination flare in vertical flight		9 June, 03:04
	10-12km NNE	Recorded 1 undetermined explosion		9 June, 17:08
	5-7km NE	Recorded 1 undetermined explosion		9 June, 18:24
	2-4km WSW 2-5km W	Heard 3 undetermined explosions Heard 5 undetermined explosions		9 June, 09:53-10:03 9 June, 11:55-12:10
	2-3KIII W	Heard 3 undetermined explosions	N/K	9 June, 11:33-12:10 9 June, 13:07-13:13
	2-4km WSW	Heard 1 undetermined explosion	17/12	9 June, 13:37
		Heard 1 undetermined explosion		9 June, 13:45
	3-4km W	Heard 3 bursts	Small arms	9 June, 13:52
	3-4km WSW	Heard 2 undetermined explosions	N/K	9 June, 13:59
		Heard uncountable explosions Heard 1 burst	HMG	9 June, 14:35
V ("DDD"	3-5km W	Heard 4 undetermined explosions		9 June, 14:37
Yasynuvata ("DPR"-controlled, 16km NE		Heard uncountable explosions	N/K	9 June, 14:38
of Donetsk)	2-4km W	Heard uncountable overlapping bursts and shots	HMG, small arms	9 June, 14:40-14:44
	2 IKIII W	Heard 1 shot	Small arms	9 June, 14:46
		Heard 35 bursts	HMG	9 June, 15:11
		Heard 1 undetermined explosion	N/K	9 June, 15:14
		Heard uncountable overlapping bursts and shots	HMG, small arms	9 June, 15:15-15:17
	2-4km WSW	Heard 8 undetermined explosions	N/K	9 June, 15:17-15:18
		Heard uncountable overlapping	HMG, small arms	9 June, 15:19-15:21
		bursts and shots Heard 1 undetermined explosion	N/K	9 June, 15:21
		Recorded 1 explosion ( impact)	1V/ IX	8 June, 19:16
		Recorded 1 explosion (impact)		8 June, 20:15
		Recorded 3 tracers from E to W		8 June, 21:12
		Recorded 1 tracer from W to E		8 June, 21:22
		Recorded 5 tracers from W to E		8 June, 21:30
		Recorded 2 tracers from W to E		8 June, 21:49
		Recorded 6 tracers from W to E  Recorded 1 tracer from E to W	-	8 June, 21:50
		Recorded 1 tracer from W to E		8 June, 21:51
		Recorded 1 tracer from E to W		8 June, 21:55
C) (I) (		Recorded 4 tracers from E to W		8 June, 22:11
SMM camera in Shyrokyne (20km E of Mariupol)	N/K N	Recorded 1 airburst	N/K	8 June, 22:29
		Recorded 1 airburst	14/14	8 June, 22:43
		Recorded 1 undetermined explosion Recorded 2 tracers from E to W		8 June, 23:02
		Recorded 2 undetermined		8 June, 23:05-23:06
		explosions Recorded 2 undetermined		
		explosions		8 June, 23:08-23:09
		Recorded 1 undetermined explosion Recorded 1 rocket-assisted	-	8 June, 23:10
		projectile from W to E		8 June, 23:12
		Recorded 1 undetermined explosion		
		Recorded 1 undetermined explosion		8 June, 23:13

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Projectile from E to W   Recorded I rocket-assisted projectile from E to W   Recorded I undetermined explosion   Recorded I rocket-assisted projectile from E to W   Recorded I vocket-assisted projectile from E to W   Recorded I vocket-assisted projectile from E to W   Recorded I undetermined explosion   Recorded I undetermined explosion   Recorded I vocket-assisted projectile from E to W   Recorded I vocket-assisted projectile from W to E   Pune, 00:37   Pune, 00:38   Pune, 00:38   Pune, 00:39   Pune, 00:30   Pun					0.7
Recorded   Incket-assisted projectile   Sune, 23:27   Sune, 23:30   Recorded   Indetermined explosion   Recorded   Indetermined   In					8 June, 23:25
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Recorded 2 undetermined explosions Recorded 3 rocket-assisted projectiles from W to E Recorded 1 rocket-assisted projectile from E to W Recorded 3 rocket-assisted projectiles from W to E Recorded 1 rocket-assisted projectile from E to W Recorded 1 racers from W to E Recorded 17 tracers in vertical flight Recorded 82 tracers from E to W Recorded 4 rocket-assisted projectiles from W to E Recorded 10 tracers from E to W Recorded 1 tracers from E to W Recorded 1 tracers from W to E 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 6 rocket-assisted projectiles from W to E Recorded 12 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 12 tracers from E to W Recorded 8 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from W to E Recorded 1 undetermined explosion Recorded 2 rocket-assisted Pojectiles from E to W Recorded 3 rocket-assisted Pojectiles from E to W Recorded 4 rocket-assisted Pojectiles from E to W Recorded 5 rocket-assisted Pojectiles from E to W Recorded 6 rocket-assisted Pojectiles from E to W Recorded 6 rocket-assisted Pojectiles from E to W Recorded 6 rocket-assisted Pojectiles from E to W					<u> </u>
explosions  Recorded 3 rocket-assisted projectiles from W to E  Recorded Irocket-assisted projectile from E to W  Recorded 3 rocket-assisted projectiles from E to W  Recorded 1 rocket-assisted projectiles from E to W  Recorded 1 rocket-assisted projectiles from W to E  Recorded 1 rocket-assisted projectiles from E to W  Recorded 1 rocket-assisted projectiles from B to W  Recorded 1 rocket-assisted projectiles from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers in vertical flight  Recorded 4 rocket-assisted projectiles from W to E  Recorded 1 projectiles from E to W  Recorded 1 tracer from E to W  Recorded 1 projectiles from W to E  Recorded 1 tracer from W to E  Recorded 1 tracer from W to E  Recorded 1 tracers from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers from W to E  Recorded 6 rocket-assisted projectiles from W to E  Recorded 6 rocket-assisted  Polune, 01:38  Recorded 9 June, 01:38  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 6 rocket-assisted projectiles from W to E  Recorded 1 tracer from E to W  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 3 tracers from E to W  Recorded 4 tracers from E to W  Recorded 1 undetermined explosion  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 E to W  Recorded 6 tracers from E to W  Recorded 7 tracers from E to W  Recorded 8 tracers from E to W  Recorded 9 June, 03:09  9 June, 03					8 June, 23:46
Recorded 3 rocket-assisted projectiles from W to E Recorded 1 rocket-assisted projectile from E to W Recorded 1 rocket-assisted projectiles from W to E Recorded 3 rocket-assisted projectiles from W to E Recorded 3 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectiles from E to W Recorded 9 tracers from W to E Recorded 1 rocket-assisted projectile from E to W Recorded 1 racers from E to W Recorded 4 rocket-assisted projectiles from W to E Recorded 1 racers from E to W Recorded 1 racers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 2 tracers from W to E Recorded 6 rocket-assisted Projectiles from W to E Recorded 2 tracers from E to W Recorded 6 rocket-assisted Projectiles 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 rocket assisted Projectiles from W to E Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 3 tracers from E to W Recorded 4 tracers from E to W Recorded 5 rocket assisted Recorded 5 rocket assisted Recorded 6					8 June 23:54
projectiles from W to E Recorded 1rocket-assisted projectile from E to W Recorded 3 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectile from E to W Recorded 1 rocket-assisted projectile from E to W Recorded 17 tracers in vertical flight Recorded 18 tracers from E to W Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 19 tracers from E to W Recorded 10 tracers from E to W Recorded 10 tracers from E to W Recorded 1 tracers from W to E Recorded 1 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 3 tracers from W to E Recorded 6 tracers from W to E Recorded 6 tracers from E to W Recorded 6 tracers from E to W Recorded 6 tracers from E to W Recorded 1 cracers from E to W Recorded 1 cracers from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 1 cracers from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket-assisted projectiles from W to E Recorded 1 undetermined explosion Recorded 2 rocket-assisted P June, 03:02-03:03 P June, 03:09 P June, 03:04-03:04 P June, 03:04-03:04 P June, 03:04-03:04 P June, 03:04 P June					6 Julic, 23.34
Recorded 1 rocket-assisted projectile from E to W Recorded 3 rocket-assisted projectiles from W to E Recorded 3 rocket-assisted projectiles from W to E Recorded 1 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectiles from E to W Recorded 9 tracers from W to E Recorded 9 tracers from W to E Recorded 17 tracers in vertical flight Recorded 22 tracers from E to W Recorded 19 tracers from W to E Recorded 19 tracers from W to E Recorded 10 tracers from W to E Recorded 1 undetermined explosion Recorded 12 tracers from W to E Recorded 12 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 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 E to W Recorded 6 tracers from E to W Recorded 7 tracers from E to W Recorded 8 tracers from E to W Recorded 9 tracers from E to W Recorded 9 tracers from E to W Recorded 1 undetermined explosion Recorded 1 undetermined explosion 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 E to W Recorded 6 tracers from E to W Recorded 7 tracers from E to W Recorded 8 tracers from E to W Recorded 9 tracers fr					9 June 00:04
from E to W  Recorded 3 rocket-assisted projectiles from W to E  Recorded 3 rocket-assisted projectiles from E to W  Recorded 1 rocket-assisted projectile from E to W  Recorded 9 tracers from W to E  Recorded 17 tracers in vertical flight  Recorded 17 tracers from E to W  Recorded 4 rocket-assisted projectiles from W to E  Recorded 4 rocket-assisted projectiles from W to E  Recorded 1 tracers from E to W  Recorded 1 tracers from E to W  Recorded 2 tracers from W to E  Recorded 1 tracers from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers from W to E  Recorded 4 rocket-assisted projectiles from W to E  Recorded 5 tracers from W to E  Recorded 6 tracers from W to E  Recorded 12 tracers from W to E  Recorded 12 tracers from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from E to W  Recorded 6 tracers from E to W  Recorded 6 tracers from E to W  Recorded 7 tracers from E to W  Recorded 8 tracers from E to W  Recorded 9 June, 02:54  9 June, 02:54  9 June, 03:02-03:03  9 June, 03:02-03:03  9 June, 03:05  9 June, 03:07  9 June, 03:07  9 June, 03:07  1 June, 03:07  9 June, 03:07  1 June, 03:07  9 June, 03:08  9 June,					7 June, 00.01
Recorded 3 rocket-assisted projectiles from W to E Recorded 3 rocket-assisted projectiles from E to W Recorded 1 rocket-assisted projectile from E to W Recorded 9 tracers from W to E Recorded 17 tracers in vertical flight Recorded 4 rocket-assisted projectiles from W to E Recorded 17 tracers in vertical flight Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 19 tracers from W to E Recorded 1 tracers from W to E Recorded 1 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 5 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 82 tracers from E to W Recorded 85 tracers from E to W Recorded 86 tracers from E to W Recorded 95 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 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 3 tracers from E to W Recorded 4 tracers from E to W Recorded 5 tracers from E to W Recorded 6 frocket-assisted Projectiles from W to E Recorded 1 tracers from E to W Reco					9 June 00:08
projectiles from W to E Recorded 3 rocket-assisted projectiles from E to W Recorded 9 tracers from W to E Recorded 170 rocket-assisted projectile from E to W Recorded 17 tracers in vertical flight Recorded 4 rocket-assisted projectiles from W to E Recorded 17 tracers in vertical flight Recorded 19 tracers from E to W Recorded 19 tracers from W to E Recorded 19 tracers from W to E Recorded 11 tracers from W to E Recorded 1 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 2 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 12 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 2 tracers from E to W Recorded 8 tracers from E to W Recorded 6 rocket-assisted projectiles 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 2 tracers from E to W Recorded 1 tracers from E to W Recorded 2 tracers from E to W Recorded 2 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 3 tracers from E to W Recorded 4 tracers from E to W Recorded 5 tracers from E to W Recorded 6 frocket-assisted projectiles from W to E  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Heard 1 undetermined explosion Rocket 4 ("DPR"-") Heard 10 bursts  HMG  S tune 20:401-20:42					7 June, 00.00
Projectiles from W to E   Pune, 00:27-00:28					9 June. 00:10-00:11
Projectiles from E to W   Recorded 1 rocket-assisted projectile from E to W   Recorded 9 tracers from W to E   Recorded 9 tracers from E to W   Pune, 00:37					
Recorded 1 rocket-assisted projectile from E to W Recorded 9 tracers from W to E Recorded 17 tracers in vertical flight Recorded 82 tracers from E to W Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 19 tracers from E to W Recorded 11 tracers from W to E Recorded 12 tracers from W to E Recorded 12 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 3 tracers from W to E Recorded 6 rocket-assisted Projectiles from W to E Recorded 6 rocket-assisted Projectiles from E to W Recorded 2 tracers from E to W Recorded 2 rocket-assisted Projectiles from E to W Recorded 2 tracers from E to W Recorded 2 rocket-assisted Projectiles from E to W Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 3 from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 3 from E to W Recorded 1 undetermined explosion Recorded 2 from E to W Recorded 3 from E to W Recorded 3 from E to W Recorded 4 from E to W Recorded 5 from E to W Recorded 6 from E to W Recorded 9 from E to W					9 June, 00:27-00:28
projectile from E to W Recorded 9 tracers from W to E Recorded 17 tracers in vertical flight Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 19 tracers from E to W Recorded 19 tracers from E to W Recorded 19 tracers from W to E Recorded 19 tracers from W to E Recorded 1 tracer from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 2 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 6 rocket-assisted projectiles from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 9 June, 03:02-03:03 PJune, 03:04-02:05 PJune, 03:04-03:05 PJune, 03:04-03:05 PJune, 03:14-03:15  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Heard 10 bursts  HMG  Recorded 8 tracers from E tMG  Recorded 9 June, 03:24-03:43					·
Recorded 9 tracers from W to E Recorded 17 tracers in vertical flight Recorded 82 tracers from E to W Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 1 tracers from E to W Recorded 1 tracers from W to E Recorded 1 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 12 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 2 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from E to W Recorded 2 rocket assisted projectiles from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Heard 10 bursts  HMG  Recorded 8 tune 20:40-20:42					9 June, 00:33
Recorded 17 tracers in vertical flight  Recorded 82 tracers from E to W  Recorded 4 rocket-assisted projectiles from W to E  Recorded 19 tracers from E to W  Recorded 1 tracer from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers from W to E  Recorded 6 rocket-assisted projectiles from W to E  Recorded 6 rocket-assisted projectiles from W to E  Recorded 2 rocket-assisted projectiles from E to W  Recorded 8 tracers from E to W  Recorded 8 tracers from E to W  Recorded 9 June, 02:04-02:05  Recorded 1 undetermined explosion  Recorded 1 undetermined explosion  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion  Recorded 1 undetermined explosion  Recorded 2 rocket assisted projectiles from W to E  Soom NW of Roza  ("DPR"-controlled, 36km NE of Mariupol)  Mariupol)  Heard 1 undetermined explosion  N/K W  Recorded 1 undetermined explosion  N/K W  Reard 10 bursts  HMG  S June, 00:155-01:18  9 June, 01:15-01:18  9 June, 01:15-01:18  9 June, 01:30-01:35  9 June, 01:36  P June, 01:36  9 June, 01:36  10:38  10:38  10:38  10:38  10:38  10:38  10:38  10:38  10:38  10:38  10:39  10:49					0 I 00.27
Recorded 82 tracers from E to W   Pune, 01:15-01:18					9 June, 00:37
Recorded 82 tracers from E to W   Pune, 01:15-01:18					9 June, 00:49
Recorded 4 rocket-assisted projectiles from W to E Recorded 19 tracers from E to W Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 1 undetermined explosion Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 6 rocket-assisted projectiles from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted P June, 02:39-02:40  9 June, 02:39-02:40  9 June, 02:39-02:40  9 June, 03:02-03:03 9 June, 03:05 9 June, 03:05 9 June, 03:05 9 June, 03:05 9 June, 03:14-03:15  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horlinka ("DPR"-			8 -		0 June 01:15 01:19
projectiles from W to E  Recorded 19 tracers from E to W  Recorded 1 tracer from W to E  Recorded 2 tracers from W to E  Recorded 2 tracers from W to E  Recorded 3 tracers from W to E  Recorded 3 tracers from W to E  Recorded 6 rocket-assisted projectiles from W to E  Recorded 2 rocket-assisted projectiles from E to W  Recorded 8 tracers from E to W  Recorded 8 tracers from E to W  Recorded 9 June, 02:04-02:05  P June, 02:39-02:40  9 June, 03:05-03:03  9 June, 03:05  9 June, 03:14-03:15  S00m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horlivka ("DPR"-					-
Recorded 19 tracers from E to W Recorded 1 tracer from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 3 tracers from W to E Recorded 6 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 8 tracers from E to W Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted P June, 02:39-02:40  9 June, 02:39-02:40  9 June, 02:39-02:40  9 June, 03:02-03:03  9 June, 02:34-03:03  9 June, 02:34-03:04  9 June, 01:38  9 June, 01:48  9 June, 02:64  9 June, 02:64  9 June, 02:64  9 June, 02:64  9 June, 02					9 June, 01:19
Recorded 1 tracer from W to E Recorded 2 tracers from W to E Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 3 tracers from W to E Recorded 12 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horligka ("DPR"- Heard 10 bursts HMG  8 June, 01:36  9 June, 01:38  9 June, 01:38  9 June, 01:38  9 June, 01:48  9 June, 02:04-02:05  9 June, 02:39-02:40  9 June, 03:02-03:03  Pune, 03:0			1 3		9 June 01:33-01:35
Recorded 2 tracers from W to E Recorded 1 undetermined explosion Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 2 tracers from E to W Recorded 2 rocket-assisted projectiles from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horlivka ("DPR"- Heard 10 bursts HMG  Source 10 June, 01:38  9 June, 01:38  9 June, 01:48  9 June, 02:04-02:05  9 June, 02:39-02:40  9 June, 02:39-02:40  9 June, 02:39-02:40  9 June, 03:02-03:03  9 June, 03:05 9 June, 03:05 9 June, 03:14-03:15					
Recorded 1 undetermined explosion Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 8 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  Som NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horligha ("DPR"- Heard 10 bursts  HMG  Som NMG  Recorded 1 undetermined explosion N/K  Recorded 1 undetermined explosion N/K  Recorded 2 rocket assisted Pojune, 03:14-03:15					-
Recorded 2 tracers from W to E Recorded 3 tracers from W to E Recorded 12 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Heard 1 undetermined explosion Recorded 2 tracers from W to E  Heard 10 bursts  HMG  Source, 01:48  9 June, 01:48  9 June, 02:04-02:05  9 June, 02:39-02:40  9 June, 02:39-02:40  9 June, 03:02-03:03  9 June, 03:02-03:03  9 June, 03:05  9 June, 03:14-03:15					9 June, 01:38
Recorded 3 tracers from W to E Recorded 12 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  N/K W  Recorded 1 undetermined explosion Recorded 2 rocket assisted Recorded 2 rocket assisted Recorded 3 tracers from E to W Pune, 02:39-02:40  9 June, 02:54  9 June, 03:02-03:03  9 June, 03:09  9 June, 03:09  9 June, 03:14-03:15  1 June, 03:14-03:15  1 June, 03:09  9 June, 03:14-03:15  1 June, 03:09  9 June, 03:14-03:15  1 June, 03:09  9 June, 03:09  1 June, 03:09  9 June, 03:09					9 June 01:48
Recorded 12 tracers from E to W Recorded 6 rocket-assisted projectiles from W to E Recorded 2 rocket-assisted projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horligka ("DPR"- Heard 10 bursts HMG  9 June, 02:04-02:05  9 June, 03:02-03:03  9 June, 03:09  9 June, 03:14-03:15					
Recorded 6 rocket-assisted projectiles from W to E  Recorded 2 rocket-assisted projectiles from E to W  Recorded 8 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 rocket assisted projectiles from W to E   500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horligka ("DPR"-  Heard 10 bursts  P June, 02:39-02:40  9 June, 02:39-02:40  9 June, 03:02-03:03  9 June, 03:02-03:03  9 June, 03:05-03:05  9 June, 03:14-03:15  9 June, 03:09-03:04  9 June, 03:09-03:04  9 June, 03:09-03:09-03:09  9 June, 03:09-03:09  9					9 June, 02:04-02:05
projectiles from W to E  Recorded 2 rocket-assisted projectiles from E to W  Recorded 3 tracers from E to W  Recorded 1 undetermined explosion  Recorded 2 rocket assisted projectiles from W to E  9 June, 02:39-02:40  9 June, 03:02-03:03  9 June, 03:02-03:03  9 June, 03:03-03:05  9 June, 03:09  9 June, 03:14-03:15  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horligka ("DPR"- Heard 10 bursts  Heard 10 bursts  HMG  8 June, 20:40-20:42					
Recorded 2 rocket-assisted projectiles from E to W  Recorded 8 tracers from E to W  Recorded 2 tracers from E to W  Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E   500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horliyka ("DPR"-  Heard 10 bursts  Heard 10 bursts  HMG  9 June, 02:54  9 June, 03:02-03:03  9 June, 03:05- 9 June, 03:09  9 June, 03:14-03:15  9 June, 03:09  9 June, 03:14-03:15					9 June, 02:39-02:40
projectiles from E to W Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horliyka ("DPR"- Heard 10 bursts  Heard 10 bursts  Heard 10 bursts  HMG  9 June, 03:02-03:03 9 June, 03:05-09 9 June, 03:09 9 June, 03:14-03:15  9 June, 03:09 9 June,					0.1 00.54
Recorded 8 tracers from E to W Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  Soom NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horliyka ("DPR"- Heard 10 bursts  Recorded 8 tracers from E to W 9 June, 03:02-03:03 9 June, 03:05 9 June, 03:09 9 June, 03:14-03:15					9 June, 02:54
Recorded 2 tracers from E to W Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horliyka ("DPR"- Heard 10 bursts Heard 10 bursts HMG  8 June, 03:05 9 June, 03:09 9 June, 03:14-03:15			2 2		9 June, 03:02-03:03
Recorded 1 undetermined explosion Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol) Horliyka ("DPR"- Heard 10 bursts Heard 10 bursts HMG  8 June, 03:09 9 June, 03:14-03:15					
Recorded 2 rocket assisted projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horliyka ("DPR"- Heard 10 bursts HMG 8 June 20:40-20:42					
projectiles from W to E  500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Horliyka ("DPR", Heard 10 bursts HMG 8 June, 03:14-03:15					
500m NW of Roza ("DPR"-controlled, 36km NE of Mariupol)  Heard 10 bursts  Heard 10 bursts  HMG  8 June 20:40-20:42					9 June, 03:14-03:15
36km NE of Mariupol)  Heard 10 bursts HMG 8 June 20:40-20:42	500m NW of Roza				
Mariupol)  Horliyka ("DPR", Heard 10 bursts HMG 8 June 20:40-20:42	("DPR"-controlled,	N/K W	Heard 1 undetermined evaluation	N/K	0 June 10:27
Horliyka ("DPR"- Heard 10 bursts HMG 8 June 20:40-20:42	36km NE of	IN/IN VV	ricard i undetermined explosion	1N/ <b>K</b>	7 Julie, 10.27
Horliyka ("DPR"- Heard 10 hursts HMG & hine 20:40-20:42					
	Horlivka ("DPR"-	3-5km SSW	Heard 10 bursts	HMG	8 June, 20:40-20:42
controlled, 39km NE   3-3km SS W   Heard 30 bursts   Anti-aircraft gun (ZU-   8 June, 21:08-21:15	controlled, 39km NE	J JKIII DD VV	Heard 30 bursts	Anti-aircraft gun (ZU-	8 June, 21:08-21:15

of Donetsk)	3-5km N	Heard 5 bursts	23,23mm)	8 June, 21:18
,	4.61 .05	Heard unaccountable overlapping	Small arms	8 June, 19:42-19:43
	4-6km SE	bursts and shots	IIMC	
	6-8km SW	Heard 1 burst Heard 1 undetermined explosion	HMG N/K	8 June, 20:15 8 June, 20:21
	0-8KM SW	Heard 7 bursts	Small arms	8 June, 20:21
	2-3km SE	Heard 1 explosion (outgoing)	IFV (BMP-1) cannon	8 June, 20:24
	2-3KIII SE	Heard 1 explosion (outgoing)	Mortar (type K/N)	8 June, 20:26
	4-6km SW	Heard 2 undetermined explosions	N/K	8 June, 20:28
	3-5km S	Heard 1 burst	Small arms	
	3-3Kiii 3	Heard 2 explosions (outgoing)	IFV (BMP-1) cannon	8 June, 20:33
		Heard 3 bursts	Small arms	8 June, 20:35
	2-3km SE	Heard 6 bursts	IFV (BMP-2) cannon	8 June, 20:35-20:37
	2 Jan 52	Heard unaccountable overlapping	II v (Bivii 2) camion	
		bursts and shots	Small arms	8 June, 20:35-20:42
		Heard unaccountable overlapping	Sman arms	9 June 20:45 20:51
		bursts and shots		8 June, 20:45-20:51
	4.61 .05	Heard and saw 4 explosions (outgoing)	IFV (BMP-1) cannon	8 June, 20:47
	4-6km SE	Heard unaccountable overlapping bursts and shots	Small arms	8 June, 20:53
		Heard and saw 9 explosions	IEW (D) (D 1)	0.1 20.55.20.55
		(outgoing)	IFV (BMP-1) cannon	8 June, 20:55-20:57
	2-3km S	Heard 15 bursts	IFV (BMP-2) cannon	8 June, 21:01-21:05
	2-3Km S	Heard 5 explosions (outgoing)	IFV (BMP-1) cannon	
	4-6km SE	Heard unaccountable overlapping	Small arms	8 June, 21:04-21:05
	4-0KIII SE	bursts and shots		
Svitlodarsk		Heard 3 bursts	HMG	8 June, 21:04
(government- controlled, 57km NE	2-3km S	Heard unaccountable overlapping bursts and shots	Small arms	8 June, 21:06-21:08
of Donetsk)	2-4km SW	Heard 1 undetermined explosion	N/K	8 June, 22:06
	6-8km E	Heard 10 explosions (outgoing)	IFV (BMP-1) cannon	8 June, 22:09-22:13
	5-6km W	Heard 1 undetermined explosion	N/K	8 June, 22:13
	4-6km ESE	Heard unaccountable overlapping bursts and shots	Small arms	8 June, 22:13-22:17
	6-8km E	Heard 1 explosion (outgoing)	IFV (BMP-1) cannon	8 June, 22:21
	4-6km SE	Heard unaccountable overlapping	Small arms	8 June, 22:22-22:25
		bursts and shots		·
	3-4km S	Heard 1 burst	HMG	8 June, 22:25
	4-6km SW	Heard 4 undetermined explosions	N/K	8 June, 22:30
	4-6km ESE	Heard unaccountable overlapping bursts and shots		8 June, 23:32-23:33
	6-8km E	Heard unaccountable overlapping		8 June, 23:36
		bursts and shots	Small arms	-
	2-4km S	Heard 16 bursts	4	8 June, 23:39
	6-8km E	Heard unaccountable overlapping bursts and shots		8 June, 23:42-23:45
	4-6km SE	Heard 6 explosions (outgoing)	IFV (BMP-1) cannon	8 June, 23:47
	6-8km SE	Heard 2 undetermined explosions	N/K	8 June, 23:51
		Heard 11 bursts	Small arms	8 June, 23:54
		Heard 7 bursts		9 June,00:01
	4-6km SE	Heard 1 explosion (outgoing)	IFV (BMP-1) cannon	9 June,00:02
	4-0KIII SE	Heard 12 explosions (outgoing)	Automatic grenade launcher	9 June,00:06
	2-3km S	Heard 1 explosion (outgoing)	IFV (BMP-1) cannon	9 June,00:08
1		Heard 3 bursts	HMG	9 June, 00:10
		Heard 6 bursts	IFV (BMP-2) cannon	9 June, 00:13-00:16
	2-3KM S			
		Heard 2 undetermined explosions		9 June, 12:15
(government-	8-10km SSE		N/K	9 June, 12:15 9 June, 12:16
Novoselivka Druha (government- controlled, 21km N of Donetsk)		Heard 2 undetermined explosions	N/K	
(government- controlled, 21km N	8-10km SSE	Heard 2 undetermined explosions Heard 1 undetermined explosion	N/K Small arms	9 June, 12:16

Kadiivka (formerly Stakhanov, "LPR"- controlled, 50km W	5-10km NNW	Heard 3 explosions (impacts) Heard 6 explosions (outgoing)	N/K	9 June, 01:22-01:24 9 June, 01:34-01:37
of Luhansk)	3-5km W	Heard 2 explosions (impacts)		9 June, 02:03-02:19
S of Zolote (government- controlled, 60km W of Luhansk)	10-12km E	Heard 1 undetermined explosion (assessed as outside the disengagement area)	N/K	9 June, 09:50
1km S of Muratove (government- controlled, 51km W of Luhansk)	2-3km S	Heard 70 shots	Small arms	9 June, 12:15-12:41
Zolote-5 ("LPR"- controlled, 60km W of Luhansk)	500m N	Heard 8 bursts (assessed as outside the disengagement area)	Small arms	9 June, 12:30
Zolote (government-	0.1km SE	Heard 25 shots		9 June, 11:06
controlled, 60km W of Luhansk)	0.1km SW	Heard 4 shots Heard 20 bursts	Small arms	9 June, 11:15



Map of Donetsk and Luhansk regions<sup>2</sup>

<sup>&</sup>lt;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 based on recommendations of security experts from participating States.)