SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)		Recorded 1 airburst		2 June, 19:35
		Recorded 13 undetermined explosions		2 June, 19:38-19:49
		Recorded 3 undetermined explosions		2 June, 20:01-20:06
		Recorded 6 undetermined explosions		2 June, 20:34-21:01
of Donetsk)		Recorded 2 tracers from E to W		2 June, 21:28
	4-6 km ESE	Recorded 1 undetermined explosion		2 June, 21:29
		Recorded 1 undetermined explosion		2 June, 21:56
		Recorded 10 projectiles from SE to NW		2 June, 22:05-22:11
		Recorded 1 undetermined explosion		2 June, 22:28
		Recorded 3 illumination flares from SE to NW	N/K	2 June, 22:39-22:41
		Recorded 3 projectiles from SE to NW		2 June, 22:47-22:59
		Recorded 3 projectiles from SE to NW		2 June, 23:37
	4-6 km ESE	Recorded 1 undetermined explosion		3 June, 10:15
	3-4 km S	Recorded 5 undetermined explosions		3 June, 16:10 – 16:25
	4-6 km ESE	Recorded 12 undetermined explosions		3 June, 17:59 – 18:11
		Recorded 1 airburst		3 June, 18:11
		Recorded 9 undetermined explosions		3 June, 18:15 – 18:25
SMM camera at	3-4km NE	Recorded 8 undetermined explosions		2 June, 19:02-19:09
Oktiabr mine (9km	4-5km NE	Recorded 1 undetermined explosion		2 June, 19:18
NW of Donetsk city		Recorded 1 undetermined explosion	N/K	2 June, 19:39
centre)	6-10 km NE	Recorded 4 airbursts		2 June, 19:47-19:52
		Recorded 2 undetermined explosions		2 June, 20:16-20:20
		Recorded 1 airburst		2 June, 20:32
		Recorded 1 projectile from E to W		2 June, 20:35
		Recorded 2 airbursts		2 June, 20:50-20:55
		Recorded 40 projectiles from NW to		2 June, 20:55-20:57
		SE		2.1. 21.00
		Recorded 1 airburst Recorded 3 projectiles from NW to		2 June, 21:00 2 June, 21:01
		SE		2 Julie, 21.01
		Recorded 1 projectile from SE to NW		2 June, 21:07
		Recorded 1 illumination flare from NE to SW		2 June, 21:26
		Recorded 1 projectile from NE to SW		2 June, 21:29
		Recorded 44 projectiles from SE to NW		2 June, 21:38-21:39
		Recorded 27 projectiles from NW to SE		2 June, 21:39-21:41
		Recorded 3 projectiles from SE to NW		2 June, 21:45
		Recorded 38 projectiles from NW to SE		2 June, 21:54-22:04

## Table of ceasefire violations as of 4 June 2017<sup>1</sup>

<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.

		Recorded 3 projectiles from NE to SW		2 June, 22:05
		Recorded 24 tracers from NW to SE	-	2 June, 22:10-22:15
		Recorded 4 projectiles from NW to SE		2 June, 22:16-22:18
		Recorded 3 projectiles from SE to NW		2 June, 22:34
		Recorded 1 undetermined explosion		2 June, 22:39
		Recorded 11 projectiles from NW to SE		2 June, 22:46-22:48
		Recorded 7 projectiles from NW to SE		2 June, 23:05-23:14
		Recorded 1 undetermined explosion	-	2 June, 23:13
		Recorded 8 projectiles from NW to SE		2 June, 23:33-23:36
		Recorded 2 projectiles from NE to SW		2 June, 23:50
		Recorded 4 projectiles from SE to NW		3 June, 00:10
		Recorded 10 projectiles from E to W		3 June, 00:27
Yasynuvata ("DPR"-		Heard 1 undetermined explosion		3 June, 10:14
controlled, 16km NE of Donetsk)	3-5km W	Heard 1 undetermined explosion	N/K	3 June, 11:00
of Donetsk)		Heard 1 undetermined explosion	-	3 June, 12:09
	2-3km W	Heard 2 bursts	HMG	3 June, 12:11
	2-4km W	Heard 2 undetermined explosion		3 June, 12:17
	3-5km W	Heard 1 undetermined explosion	N/K	3 June, 12:28
	5-8km W	Heard 1 undetermined explosion	-	3 June, 12:42
	2-3km W	Heard 12 shots	Small arms	3 June, 12:22-12:24
	3-5km W	Heard 1 undetermined explosion	N/K	3 June, 12:51
	2-3km NNW	Heard 4 bursts	HMG	3 June, 12:52
		Heard 1 undetermined explosion		3 June, 13:10
	3-5km W	Heard 6 bursts	N/K	3 June, 13:46
		Heard 1 undetermined explosion	-	3 June, 14:12
	2-3km W	Heard 2 bursts	HMG	3 June, 14:49
	5-8km W	Heard 2 undetermined explosion	N/K	3 June, 15:15-15:17
Oleksandrivka	2-3km W	Heard 10 outgoing explosions	N/K	3 June, 09:31-09:38
("DPR"-controlled, 20km SW of	1km W	Heard 3 bursts	Small arms	3 June, 11:44
Donetsk)	5-8km NW	Heard 1 undetermined explosion	N/K	3 June, 14:55
	2-3km NNE	Heard 4 bursts	Small arms	3 June, 15:12
	2-3km NNE	Heard 2 undetermined explosions	N/K	3 June, 15:15-15:17
		Heard 6 undetermined explosions	N/K	3 June, 15:20-15:33
Donetsk central	2.5km N	Heard 9 bursts	HMG	
railway station		Heard 10 shots	Small arms	- 3 June, 15:33
("DPR"-controlled, 6km NW of Donetsk	2.5-3km	Heard 102 undetermined explosions	N/K	
city centre)	NNW	Heard 52 bursts	HMG	3 June, 15:41-16:05
		Heard 6 undetermined explosions	N/K	3 June, 16:06-16:12
		Heard 12 bursts	HMG	3 June, 16:13-16:15
	2-3km NW	Heard 3 undetermined explosions	N/K	3 June, 16:15
		Heard 32 bursts	HMG	3 June, 16:16-16:19
SMM camera at	N/W N	Recorded 1 undetermined explosion.		2 June, 18:44
Shyrokyne (20km E	N/K N	Recorded 1 undetermined explosion.	N/K	2 June, 18:46

of Mariupol)		Recorded 9 tracers from W to E		2 June, 21:02-21:03
••••••••••••••••••••••••••••••••••••••		Recorded 4 rocket assisted projectiles		2 June, 21:08-21:11
	N/K NE	from W to E		20000, 21:00 21:11
	IN/K INE	Recorded 16 tracers from W to E		
		Recorded 2 tracers from E to W		2 June-, 21:08-21:11
		Recorded 1 undetermined explosion		2 June, 21:38
		Recorded 1 tracer from E to W		2 June, 23:02
		Recorded 2 tracers from W to E		2 June, 23:49
	N/K NNE	Recorded 6 tracers from E to W		3 June, 00:10
		Recorded 1 tracer from W to E		3 June, 02:09
		Recorded 1 tracer from W to E		3 June, 02:55
Novohnativka (government- controlled, 40km S of Donetsk)	3-4km NW	Heard 3 explosions (outgoing)	N/K	03 June, 10:43-10:50
2km SSE of		Heard at least 8 bursts	AGL	
Sakhanka ("DPR"-	1-2km W	Heard 6 shots	Small arms	03 June, 11:15-11:35
controlled, 24km NE	N/K W	Heard 5 undetermined explosions	Sindir drins	05 Julie, 11:15-11:55
of Mariupol)		Heard 10 undetermined explosions		03 June,11:50-12:00
••••• <b>•</b> •••	N/K NW	Heard 2 undetermined explosions	N/K	03 June, 12:40-12:45
	N/K NNW	Heard 1 undetermined explosion	10/11	05 Julie, 12:10 12:15
3km NNE of	3-5km S	Heard 4 undetermined explosion	N/K	03 June
Hnutove (government- controlled, 20km NE of Mariupol)	5-5km 5	fread + undetermined explosions		12:30
Sopyne (government- controlled, 16km E of Mariupol)	N/K NE	Heard 4 undetermined explosions	N/K	03 June, 13:29-13:35
Horlivka ("DPR"- controlled, 39km NE of Donetsk)	3-5 km W	Heard 4 shots	Small arms	2 June, 21:40
Pervomaisk ("LPR"-controlled, 58km W of Luhansk)	4km W	Heard 1 undetermined explosion (assessed as outside the disengagement area)	N/K	03 June, 10:04
	8km W	Heard 1 undetermined explosion (assessed as outside the disengagement area)		
	3km W	Heard 1 undetermined explosion (assessed as outside the disengagement area)		03 June, 13:49
2km S of Muratove	2-3km S	Heard 40 shots	IFV (BMP-2)	03 June, 10:45-11:01
(government-	- ~		cannon (30mm)	
controlled, 51km		Heard 10 shots	AGL	
NW of Luhansk)	0.21		0 11	0.2 I
Zolote-4 (government- controlled, 60km NW of Luhansk)	0.3km NE	Heard 1 shot (assessed as outside the disengagement area)	Small arms	03 June, 15:55
"DPR"-controlled,	8-12km N	Heard 22 undetermined explosions	N/K	3 June, 22:43-22:54
Donetsk city		December 2 - interioring (* 1919)	NI/IZ	2 Iune 10 01 10 05
SMM camera in	4-6km ESE	Recorded 3 explosions (impact)	N/K	3 June, 19:01-19:05
Avdiivka		Recorded 5 undetermined explosions		3 June, 22:54
(government- controlled, 17km N		Recorded 3 undetermined explosions		3 June, 23:29
of Donetsk)		Recorded 5 undetermined explosions		3 June, 23:53
or convolt		Recorded 10 undetermined explosions		4 June, 00:08-00:22
		Recorded 3 undetermined explosions Recorded 1 illumination flare in		4 June, 00:53 4 June, 00:56
		vertical flight Recorded 1 illumination flare in vertical flight		4 June, 03:57
SMM camera at		Recorded 10 undetermined explosions	N/K	3 June, 18:40 –18:59
	•	- · · ·	÷	

Oktubr mine (Wm) centire)     3-Sim NF:     Recorded & undetermined explosion Recorded at least 10 projectiles from W to E     3 June, 19:50       Recorded & least 10 projectiles from W to E     Recorded at least 30 projectiles from W to E     3 June, 21:37-2       Recorded & least 10 projectiles from W to E     3 June, 21:32-22:59     3 June, 22:32-22       Debaltseve ("DPR"; controlled, 5km NF: of Donesks)     2-4km N     Recorded at least 25 projectiles from Fecorded at least 25 projectiles from View     3 June, 22:51-22:58       Debaltseve ("DPR"; controlled, 5km NF: of Donesks)     2-4km N     Heard 1 shots     Small arms     4 June, 14:39-11:01       Donesks central railway station     NK W     Heard 1 shots     Small arms     4 June, 14:43-11:20       Min Worl Donesks     NK W     Heard 1 shots     Small arms     4 June, 14:43-11:400       railway station     NK W     Heard 1 shots     Small arms     4 June, 16:31-12:0       Min Worl Donesks     Heard 1 shots     Small arms     4 June, 16:31-12:0       Min Worl Donesks     Heard 1 shots     Small arms     4 June, 10:31-12:0       Min Worl Donesks     Heard 1 undetermined explosion     NK 4 June, 10:32-11:42:0       Heard 1 undetermined explosion     NK 4 June, 10:32-11:42:0     Heard 1:42:0       Heard 2 brots     HiMG     4 June, 10:33-11:42:0     Heard 1:42:0       Heard 1 undetermined explosion     NK		0.51 NIE			2.1 10.15
centre)       Recorded 1 undetermined explosion       3 June, 21:14         Recorded 1 least 30 projectiles from W to E       Recorded a least 30 projectiles from W to E       3 June, 21:37         Recorded a least 30 projectiles from W to E       3 June, 21:52:22:2       3 June, 22:15:22:22         Debaftseve ("DPR", controlled, Skm Nt: of Donetsk)       3 June, 22:15:22:28       3 June, 22:15:22:28         Debaftseve ("DPR", controlled, Skm Nt: of Donetsk)       4 Hard 7 shots       Small arms       4 June, 10:39:11:91         Of Donetsk)       Heard 1 shots       Small arms       4 June, 10:39:11:91         Of Donetsk)       NK       Heard 1 shots       Small arms       4 June, 15:40         Nyny, Uxan ("DPR", controlled, Ifkm NW       Heard 1 shots       Small arms       4 June, 15:40         Km W / Donetsk       Heard 1 shots       Small arms       4 June, 10:39:11:91         Of Donetsk)       Heard 1 shots       Small arms       4 June, 10:30         Heard 1 shots       <		3-5km NE	-	-	
Provided at least 30 projectiles from Wo E     Provedied at least 30 projectiles from Wo E     Provedied at least 30 projectiles from Wo E       Recorded 2 projectiles from Wo E     Provedied at least 150 projectiles from Eventied at least 50 projectiles from Eventied at least 50 projectiles in Vectored at least 25 projectiles in Vectored at least 150 projectiles from Wo E     3 June, 22:15-22:22       Debaltseve ("DPR")     2-4km N     Heard 1 shots     Small arms     4 June, 10:59-11:01       Dotestic     NKW     Heard 1 shots     Small arms     4 June, 14:24-14:40       Dotestic     NKW     Heard 1 shots     Small arms     4 June, 14:24-14:40       Drovestic     NKW     Heard 1 shots     Small arms     4 June, 14:34-14:40       Drovestic     NKW     Heard 1 shots     Small arms     4 June, 16:12       Vectored (Jokn Ne)     Vectored (Jokn Ne)     Heard 1 burst     Small arms     4 June, 10:30       Vectored (Jokn Ne)     Orbonestic     Nik     4 June, 10:31     Heard 2 molectrnined explosion     Nik       4 June, 10:3     Heard 3 bursts     HMG     4 June, 10:3     Heard 1 Junetermined explosion     Nik       4 June, 10:3     Heard 3 bursts     HMG     4 June, 10:3     Heard 3 bursts     HMG       4 June, 10:3     Heard 3 bursts     HMG     4 June, 10:3     Heard 3 bursts     HMG       4 June, 10:3     <					
W to E         Recorded 2 projectiles from W to E         3 June, 21:37           Recorded at least 10 projectiles from W to E         3 June, 21:37         3 June, 21:37           Recorded at least 25 projectiles from W to E         3 June, 21:37         3 June, 21:37           Debattseve ("DPR"- controlled, 5km NE of Donetsk)         3 June, 22:31         3 June, 22:31           Debattseve ("DPR"- controlled, 5km NE of Donetsk)         2-4km N         Heard 1 shots         Small arms         4 June, 10:59-11:01           Ordonetski         Ikm NW         Heard 1 shots         Small arms         4 June, 14:34-14:40           Ways rustan         Fileway Station         NK         4 June, 15:40         3 June, 22:51-22:58           Mikeway Station         NK         Heard 1 shots         Small arms         4 June, 14:34-14:40           Ways rustan ("DPR"- controlled, 16km Ne of Donetsk)         Heard 1 horts         HMG         4 June, 15:40           Ways rustan ("DPR"- controlled, 16km Ne of Donetsk)         Heard 1 horts         HMG         4 June, 10:03           Heard 2 barts         HMG         4 June, 10:03         Heard 1 horts         HMG         4 June, 10:03           Heard 3 barts         Heard 2 barts         HMG         4 June, 10:13         Heard 1 horts         HMG         4 June, 10:13           Heard 3 b	centre)			-	3 June, 21:14
Recorded at least 10 projectiles from W to E Recorded at least 15 projectiles from E to W Recorded at least 25 projectiles in vertical flightSmall arms3 June, 22: 5-22: 32Debaltever ("DPR"- controlled, 5km NE or Donetsk)2-4km NHeard 7 shotsSmall arms4 June, 10: 59-11:01Derbaltever ("DRP"- controlled, 5km NE or Donetsk)1km NWHeard 4 shotsSmall arms4 June, 14:24:14:40Donetsk central rulway stationNKWHeard 4 shotsSmall arms4 June, 14:24:14:40MKW WHeard 4 shotsSmall arms4 June, 14:24:14:40CMR NW of Donetsk- Lam NWHeard 1 shotSmall arms4 June, 14:24:14:40CMR NW of Donetsk- Lam NWHeard 1 shotSmall arms4 June, 15:402:Skm WWHeard 1 burstSmall arms4 June, 10:95Heard 2 shotsortholet, Jkm NHeard 2 obstosSmall arms4 June, 10:031:Heard 1 undetermined explosionN/K4 June, 10:031:Heard 2 undetermined explosionN/K4 June, 10:031:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:431:Heard 3 burstsHMG4 June, 10:201:Heard 3 burstsHMG4 June, 10:201:Heard 4 shotsSmall arms4 June, 10:201:Heard 4 burstsHeard 4 June, 10:151:Heard 4 burstsHeard 4 June, 10:151:Heard 4 burstsHeard 4					
Recorded at least 10 projectiles from W to E Recorded at least 15 projectiles from E to W Recorded at least 25 projectiles in vertical flightSmall arms3 June, 22: 5-22: 32Debaltever ("DPR"- controlled, 5km NE or Donetsk)2-4km NHeard 7 shotsSmall arms4 June, 10: 59-11:01Derbaltever ("DRP"- controlled, 5km NE or Donetsk)1km NWHeard 4 shotsSmall arms4 June, 14:24:14:40Donetsk central rulway stationNKWHeard 4 shotsSmall arms4 June, 14:24:14:40MKW WHeard 4 shotsSmall arms4 June, 14:24:14:40CMR NW of Donetsk- Lam NWHeard 1 shotSmall arms4 June, 14:24:14:40CMR NW of Donetsk- Lam NWHeard 1 shotSmall arms4 June, 15:402:Skm WWHeard 1 burstSmall arms4 June, 10:95Heard 2 shotsortholet, Jkm NHeard 2 obstosSmall arms4 June, 10:031:Heard 1 undetermined explosionN/K4 June, 10:031:Heard 2 undetermined explosionN/K4 June, 10:031:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:151:Heard 3 burstsHMG4 June, 10:431:Heard 3 burstsHMG4 June, 10:201:Heard 3 burstsHMG4 June, 10:201:Heard 4 shotsSmall arms4 June, 10:201:Heard 4 burstsHeard 4 June, 10:151:Heard 4 burstsHeard 4 June, 10:151:Heard 4 burstsHeard 4			Recorded 2 projectiles from W to E		3 June, 21:37
win 5 E         Recorded at least 150 projectiles from E to W         3 June, 22:15-22:22           June, 22:15-22:22         3 June, 22:15-22:22           Dehalberey ("DPR"- controlled, 5km NF controlled, 5km NF         2-4km N         Heard 7 shots         Small arms         4 June, 14:34-14:40           Donetskis         NK W         Heard 14 shots         Small arms         4 June, 14:34-14:40           Tobrowskis         NK W         Heard 1 shots         Small arms         4 June, 14:34-14:40           Tobrowskis         NK W         Heard 1 undetermined explosion         NK         4 June, 14:34-14:40           Tobrowskis         NK W         Heard 1 undetermined explosion         NK         4 June, 15:40           Yaymuvata ("DPR"- controlled, 16km NF of Donetskis         4 June, 10:31         Heard 1 undetermined explosion         NK         4 June, 10:31           Heard 2 undetermined explosion         NK         4 June, 10:33         Heard 3 June; 10:33         Heard 1 June; 10:44           Heard 2 undetermined explosion         NK         4 June, 10:44         Heard 2 June; 10:45         4 June; 10:44           Heard 3 June; 12:20 shots         HMG         4 June; 10:46         Heard 3 June; 10:46         4 June; 10:44					
Recorded at least 150 projectiles from E to W Recorded at least 25 projectiles in vertical flight3 June, 22:15-22:223 June, 22:233 June, 22:23Dehalleeve ("DPR". controlled, 58tm Nic of Donetsk)2-4km NHeard 7 shotsSmall arms4 June, 10:59-11:01Donetsk central rubwy station ("DPR"- controlled, 64tm Nic ("DPR"- controlled, 64tm Nic of Donetsk)Ihm NWHeard 14 shotsSmall arms4 June, 14:43-14:40MK W ("DPR"- controlled, 64tm Nic ("DPR"- taryanival ("DPR"- activated ("DR"- outside)N/KHaard 14 shotsSmall arms4 June, 14:45-14:40MK W ("DPR"- taryanival ("DPR"- taryanival ("DPR"- taryani					
Recorded at least 25 projectiles in vertical flight3 June, 22:23Debaltneve ("DPR"- controlled, 58km NE af Donetsk or Donetsk central railway station3 June, 22:51-22:58MK WHeard 7 shotsSmall arms4 June, 10:59-11:01NK WHeard 14 shotsSmall arms4 June, 14:34-14:40NK WHeard 14 shotsSmall arms4 June, 14:34-14:40NK WHeard 14 shotsSmall arms4 June, 15:12City CentrolTum NWHeard 1 undetermined explosionN/K4 June, 15:12Stand Kin Kin Kin Kin MitTum NWHeard 1 undetermined explosionN/K4 June, 05:51Orbonetsk ()Heard 2 obstosSmall arms4 June, 00:55Fleard 1 undetermined explosionN/K4 June, 10:03Heard 1 undetermined explosionN/K4 June, 10:16Heard 1 undetermined explosionN/K4 June, 10:13Heard 1 undetermined explosionN/K4 June, 10:16Heard 1 undetermined explosionN/K4 June, 10:16Heard 2 undetermined explosionN/K4 June, 10:16Heard 3 bardsHeard 4 shotsSmall arms4 June, 11:06Heard 3 bardsHeard 4 shotsSmall arms4 June, 11:06-Skm WWHeard 3 shotsHard 4 shotsSmall arms4 June, 11:06-Skm WWHeard 3 shotsHeard 3 shotsHuard 2 shotsJune, 12:00Heard 4 shotsSmall arms4 June, 12:004 June, 12:00Heard 2 undetermined explosionN/K4 June, 12:014 June, 12:01 <td></td> <td></td> <td>Recorded at least 150 projectiles from</td> <td>-</td> <td>3 June, 22:15-22:22</td>			Recorded at least 150 projectiles from	-	3 June, 22:15-22:22
vertical flight Recorded 3 projectiles from W to E3 June, 22:51-22:58Debataeve ("DPR"- controlled, 58km NE of Donetsk)2-4km NHeard 7 shotsSmall arms4 June, 10:59-11:01Otonetsk central ralway station ("DPR"-controlled, 6km NW of Donetsk)Ikm NWHeard 14 shotsSmall arms4 June, 14:34-14:45NK WHeard 1 shotSmall arms4 June, 15:12Small arms4 June, 15:12Vasynuvata ("DPR"- controlled, 16km NK of Donetsk)				-	3 June, 22:23
Recorded 2 projectiles from W to E3 June, 22:51-22:58Controlled, 58km NE of DonetskyHeard 7 shotsSmall arms4 June, 10:59-11:01Donetsk central railway station (1PR *-controlled, (1PR *-controlled, MW of Donetsk)Ikm NWHeard 1 shotsSmall arms4 June, 14:34-14:40MK W (1PR *-controlled, (1PR *-controlled, (1PR *-controlled, (1Rm NE)Heard 1 shotSmall arms4 June, 15:12Atm NU of Donetsk (1PR *-controlled, (1Rm NE)Heard 1 burstHIMG4 June, 15:12Atm NU of Donetsk of Donetsk)Heard 1 burstHIMG4 June, 09:51Atm NU of Donetsk of Donetsk)Heard 1 burstHIMG4 June, 10:03Heard 1 undetermined explosion Heard 1 undetermined explosionN/K4 June, 10:03Heard 1 undetermined explosion Heard 1 undetermined explosionN/K4 June, 10:13Heard 1 undetermined explosion Heard 1 burstsHIMG4 June, 10:43Heard 1 undetermined explosion Heard 1 burstsHIMG4 June, 10:46Heard 2 bursts Heard 1 undetermined explosionN/K4 June, 10:46Heard 2 bursts Heard 1 undetermined explosionN/K4 June, 11:403-Skm WN Heard 1 undetermined explosionN/K4 June, 11:20-11:403-Skm WN Heard 1 undetermined explosionN/K4 June,					
controlled, S&m NE     image: station     image: station     image: station       Donotsk central railway station     Ikm NW     Heard 1 shot     Small arms     4 June, 14:34-14:40       MK W     Heard 1 shot     Small arms     4 June, 15:12       6km NW of Donetsk (if y centry)     2-3km W     Heard 1 burst     HMG     4 June, 09:51       7asynuvata ("DPR", controlled, 16km NE of Donetsk)     2-3km W     Heard 1 burst     HMG     4 June, 00:30       Heard 1 undetermined explosion     N/K     4 June, 00:31     Heard 1 undetermined explosion     N/K       Heard 1 undetermined explosion     N/K     4 June, 10:13     Heard 1 undetermined explosion     N/K       Heard 1 undetermined explosion     N/K     4 June, 10:33     Heard 1 undetermined explosion     N/K     4 June, 10:33       Heard 1 undetermined explosion     N/K     4 June, 10:43     Heard 1 undetermined explosion     N/K     4 June, 10:43       Heard 1 undetermined explosion     N/K     4 June, 10:43     Heard 1 undetermined explosion     N/K     4 June, 10:43       Heard 1 undetermined explosion     N/K     4 June, 10:33     Heard 2 undetermined explosion     N/K     4 June, 10:40       Heard 1 undetermined explosion     N/K     4 June, 11:20-11:40     Heard 1 undetermined explosion     N/K     4 June, 11:20-11:40       3-5km W			Recorded 3 projectiles from W to E		3 June, 22:51-22:58
of Donesk         em         em         em           Donesk outright         Ikm NW         Heard 1 shots         Small arms         4 June, 14:43-14:40           rulway station         Texm NW         Heard 1 indetermined explosions         N/K         4 June, 15:12           6km NW of Donetsk         4-Stm NE         Heard 1 undetermined explosion         N/K         4 June, 15:40           4'yasynuvata ("DPR"- controlled, 16km NE of Donetsk)         2-3km W         Heard 1 undetermined explosion         N/K         4 June, 09:51           Heard 2 Distots         Small arms         4 June, 10:03         Heard 2 Undetermined explosion         N/K         4 June, 10:03           Heard 1 undetermined explosion         N/K         4 June, 10:15         Heard 1 undetermined explosion         N/K         4 June, 10:43           Heard 1 undetermined explosion         N/K         4 June, 10:43         Heard 2 undetermined explosion         N/K         4 June, 10:43           Heard 2 undetermined explosions         N/K         4 June, 10:44         Heard 1 undetermined explosion         N/K         4 June, 10:44           Heard 2 undetermined explosion         N/K         4 June, 10:45         4 June, 11:40         4 June, 11:40           Advarta         June 20 shots         Small arms         4 June, 11:40         4 June, 1	Debaltseve ("DPR"-	2-4km N	Heard 7 shots	Small arms	4 June, 10:59-11:01
Donetsk central rulway station         Ikm I W         Heard I shots         Small arms         4 June, 14:34-14:40           ("DPR"-controlled, 6km NW of Donetsk (by centre)         Ikm NW         Heard 1 shot         Small arms         4 June, 15:12           (W W) of Donetsk (by centre)         Ikm NW         Heard 1 undetermined explosion         N/K         4 June, 15:12           (Ye cutre)         2-3km W         Heard 1 burst         HMG         4 June, 09:51           (Ya cutre)         Fleard 20 shots         Small arms         4 June, 00:3           Heard 1 undetermined explosion         N/K         4 June, 10:3           Heard 1 undetermined explosion         N/K         4 June, 10:3           Heard 1 undetermined explosion         N/K         4 June, 10:33           Heard 1 undetermined explosion         N/K         4 June, 10:43           Heard 2 undetermined explosion         N/K         4 June, 10:43           Heard 1 undetermined explosion         N/K         4 June, 10:43           Heard 2 biorsts         HMG         4 June, 10:43           Heard 2 undetermined explosion         N/K         4 June, 11:40           4 June, 11:40         Heard 2 biorsts         HMG         4 June, 11:40           Heard 1 undetermined explosion         N/K         4 June, 11:40 <td></td> <td></td> <td></td> <td></td> <td></td>					
NK W     Heard 4 undetermined explosions     N/K     4 June, 14:45       (CPDPR"-controlled, etry centre)     4 June, 15:12     4 June, 15:12       Vasynuvat ("DPR"- controlled, 16km Ne of Donetsk)     2-3km W     Heard 1 undetermined explosion     N/K     4 June, 10:03       Heard 1 undetermined explosion     N/K     4 June, 10:03     4 June, 10:03       Heard 1 undetermined explosion     N/K     4 June, 10:13       Heard 2 undetermined explosion     N/K     4 June, 10:43       Heard 1 undetermined explosion     N/K     4 June, 10:43       Heard 2 undetermined explosion     N/K     4 June, 10:43       Heard 2 undetermined explosions     N/K     4 June, 10:46       Heard 2 undetermined explosions     N/K     4 June, 10:46       Heard 2 barsts     HMG     4 June, 11:30-11:40       3-5km WNW     Heard 3 shots     4 June, 11:30-11:40       3-5km WNW     Heard 1 shots     N/K     4 June, 12:20       Heard 1 undetermined explosion     N/K     4 June, 12:20       Heard 1 undetermined explosion		1km NW	Heard 14 shots	Small arms	4 June, 14:34-14:40
("DPR":controlled, 6km NW of Donetsk       Itm NW       Heard 1 shot       Small arms       4 June, 15:12         (km NW of Donetsk)       Heard 1 undetermined explosion       N/K       4 June, 15:12         (Yasynuvata ("DPR"- of Donetsk)       2-3km W       Heard 1 burst       HMG       4 June, 09:51         ortnolled, 16km NE of Donetsk)       Heard 1 undetermined explosion       N/K       4 June, 00:03         Heard 1 undetermined explosion       N/K       4 June, 10:03         Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:44         Heard 2 undetermined explosion       N/K       4 June, 10:43         Heard 2 undetermined explosion       N/K       4 June, 10:44         Heard 2 undetermined explosion       N/K       4 June, 10:44         Heard 2 undetermined explosion       N/K       4 June, 11:20-11:40         3-5km WW       Heard 8 shots       Small arms       4 June, 11:20-11:40         3-5km WW       Heard 1 shots       M/K       4 June, 12:20         Heard 2 shots       Small arms       4 June, 12:33         Heard 2 undetermined explosion       N/K       4 June, 12:03 <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
6km NW of Donetsk       4-5km NE       Heard 1 undetermined explosion       N/K       4 June, 15:40         Yasynuvata ("DPR"- controlled, 16km NE of Donetsk)       2-3km W       Heard 1 burst       HMG       4 June, 00:51         Heard 2 barts       HMG       4 June, 00:03       Heard 1 undetermined explosion       N/K       4 June, 10:03         Heard 3 bursts       HMG       4 June, 10:13       Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:13       Heard 2 undetermined explosion       N/K       4 June, 10:13         Heard 2 undetermined explosion       N/K       4 June, 10:43       Heard 2 undetermined explosion       N/K       4 June, 10:43         Heard 2 undetermined explosion       N/K       4 June, 10:43       Heard 2 undetermined explosion       N/K       4 June, 10:43         Heard 2 barts       HMG       4 June, 10:46       Heard 2 undetermined explosion       N/K       4 June, 10:43         Heard 2 barts       Heard 2 barts       HMG       4 June, 11:20-11:40       4 June, 11:20-11:40         3-5km WN       Heard 3 shots       N/K       4 June, 11:20-11:40       4 June, 12:20         Heard 1 barts       Heard 1 barts       Small arms       4 June, 12:20         Heard 2 barts </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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of Donetsk) of Donetsk)          Heard 1 undetermined explosion       N/K       4 June, 10:03         Heard 5 bursts       HMG       4 June, 10:03         Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:13         Heard 1 undetermined explosion       N/K       4 June, 10:43         Heard 1 undetermined explosion       N/K       4 June, 10:43         Heard 2 undetermined explosion       N/K       4 June, 10:43         Heard 2 undetermined explosion       N/K       4 June, 10:44         Heard 2 undetermined explosion       N/K       4 June, 10:46         Heard 2 bursts       HMG       4 June, 11:20-11:40         3-5km WW       Heard 1 undetermined explosion       N/K       4 June, 11:20-11:40         3-5km WW       Heard 3 shots       Small arms       4 June, 11:20-11:40         3-5km WW       Heard 1 undetermined explosion       N/K       4 June, 11:20-11:40         2-3km W       Heard 1 undetermined explosion       N/K       4 June, 11:20-11:40         Oleksandrivka       1-2km NW       Heard 1 undetermined explosion       N/K       4 June, 11:20-11:40         Oleksandrivka       1-2km					
Image: Problem StateHeard 1 undetermined explosionHMG4 June, 10:03Heard 3 burstsHMG4 June, 10:13Heard 3 burstsHMG4 June, 10:13Heard 3 burstsHMG4 June, 10:13Heard 1 undetermined explosionN/K4 June, 10:13Heard 2 undetermined explosionN/K4 June, 10:43Heard 2 undetermined explosionsN/K4 June, 10:43Heard 2 undetermined explosionsN/K4 June, 10:46Heard 2 undetermined explosionsN/K4 June, 10:46Heard 3 burstsHMG4 June, 10:46Heard 1 uncountable overlapping shots and burstsSmall arms4 June, 11:20-11:403-5km WHeard 3 shots5mall arms4 June, 11:30-11:403-5km WWHeard 2 burstsSmall arms4 June, 12:03Heard 2 burstsHeard 3 shots4 June, 12:03Heard 2 burstsSmall arms4 June, 12:03Heard 3 botsSmall arms4 June, 14:07Heard 4 undetermined explosionN/K4 June, 14:07Heard 4 undetermined explosionN/K4 June, 15:25-15:46Oleksandrivka1-2km NWHeard 1 undetermined explosionsN/K(PDPR"-controlled, 20km W of Donetsk)1.5km EHeard 1 undetermined explosionN/KHeard 1 undetermined explosionN/K4 June, 11:26Mariupol)1.5km EHeard 1 undetermined explosion4 June, 11:26Mariupol)1.5km ERecorded 1 tracer from E to WN/K3 June, 21:27Recorded 1 tracers f	of Donetsk)				
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W     3 June, 21:39			Recorded at least 35 tracers from E to	-	3 June, 21:35
			W	4	
Recorded at least 20 tracers from E to 3 June, 21:40			Recorded 2 tracers from W to E		3 June, 21:39
			Recorded at least 20 tracers from E to		3 June, 21:40

	W	
	Recorded 26 tracers from W to E	
	Recorded 25 tracers from E to W	3 June, 21:43
	Recorded 17 tracers from W to E	3 June, 21:43
	Recorded 1 undetermined explosion	3 June, 21:45
	Recorded 1 undetermined explosion	
	Recorded 1 tracer from E to W	3 June, 21:53
	Recorded 10 tracers from E to W	3 June, 21:55
	Recorded 1 undetermined explosion	3 June, 21:55
	Recorded 5 tracers from W to E	3 June, 21:58
	Recorded 1 rocket assisted projectile	
	from W to E	3 June, 23:18
	Recorded 2 tracers from E to W	4 June,00:22
	Recorded 2 tracers from E to W	4 June, 00:23
	Recorded 1 rocket assisted projectile	4 June, 00:24
	from W to E	4 Julie, 00.24
	Recorded 2 rocket assisted projectiles	4 June,00:26-00:27
	from W to E	
	Recorded 2 tracers from W to E	4 June, 00:31
	Recorded 17 tracers in vertical flight	4 June, 00:32
	Recorded 19 tracers from E to W	4 June, 00:33
	Recorded 1 rocket assisted projectile	4 June, 00:45
	from W to E	
	Recorded 1 rocket assisted projectile	4 June, 00:47
	from W to E	4 I
	Recorded 2 rocket assisted projectiles	4 June, 00:48
	from W to E Recorded 3 tracers from E to W	4 June 00:57
		4 June, 00:57
	Recorded 18 tracers from E to W	4 I
	Recorded 2 rocket assisted projectiles	4 June, 00:58
	from E to W Recorded 3 rocket assisted projectiles	4 June, 01:00
	from E to W	4 June, 01.00
	Recorded 15 tracers from E to W	4 June, 01:01
	Recorded 15 tracers from E to W	4 June, 01.01
	Recorded 2 tracers from W to E	4 June, 01:01
		r sune, or or
	Recorded 1 rocket assisted projectile	4 June, 01:03
	from E to W	. <i>vane</i> , <i>v</i> 1.02
	Recorded 1 rocket assisted projectile	4 June, 01:04
	from W to E	,
	Recorded 3 rocket assisted projectiles	4.1. 01.05
	from E to W	4 June, 01:05
	Recorded 1 rocket assisted projectile	4 June, 01:07
	from E to W	
	Recorded 2 rocket assisted projectiles	4 June, 01:08
	from W to E	- June, 01.00
	Recorded 1 rocket assisted projectiles	4 June, 01:10
	from W to E	- Julie, 01.10
	Recorded 1 undetermined explosion	
	Recorded 2 rocket assisted projectiles	4 June, 01:14
	from W to E	
	Recorded 1 undetermined explosion	
	Recorded 2 rocket assisted projectiles	4 June, 01:16-01:18
	from W to E	
	Recorded 2 rocket assisted projectiles	4 June, 01:19
	from W to E	-
	Recorded 1 tracer from SW to NE	4 June, 01:19
	Recorded 3 tracers from W to E	4 June, 01:19
	Recorded 7 tracers from W to E	4 June, 01:21
	Recorded 2 undetermined explosions	4.1
	Recorded 3 tracers from W to E	4 June, 01:31
	Recorded 2 tracers from SE to NW	 4 June, 01:32
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		Recorded 8 tracers from E to W		4 June, 01:45
		Recorded 2 tracers from SE to NW	-	4 June, 01:54
		Recorded 1 tracer from W to E		4 June, 02:02
		Recorded 6 tracers from E to W		4 June, 02:17
		Recorded 3 tracers from W to E		4 June, 02:51
		Recorded 22 tracers from E to W		4 June, 02:56
		Recorded 1 undetermined explosion		4 June, 02:59
		Recorded 25 tracers from E to W		4 June, 03:01
		Recorded 2 explosions (impacts)	-	4 June, 03:33
		Recorded 2 explosions (impacts)		4 June, 03:36
2km SSE of	N/K WNW	Heard 6 shots	Small arms	4 June, 11:25
Sakhanka ("DPR" controlled, 24 km NE of Mariupol)	N/K W	Heard 2 undetermined explosions	N/K	4 June,12:03-12:09
3km NE of	N/K W	Heard 1 undetermined explosion	Small arms	4 June,13:37
Zaichenko ("DPR" controlled, 26 km NE of Mariupol)		Heard 15 shots		4 June,13:40
Horlivka	4-5km SW	Heard 5 bursts	HMG	3 June, 21:40
("DPR"-controlled,	3-4km SW	Heard 12 shots	Small arms	3 June, 21:47
39km NE of		Heard 8 bursts	HMG	3 June, 22:15
Donetsk)		Heard 7 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	3 June, 22:17-22:20
	5-6km SW	Heard 10 undetermined explosions	N/K	,
		Heard 12 shots		
		Heard 6 shots	AGL	3 June, 22:40 -22:50
		Heard 5 shots		
		Heard 5 shots		
Svitlodarsk	8-10km SE	Heard 20 undetermined explosions	N/K	3 June, 22:30-23:00
(government- controlled, 57km NE	3-4km SE	Heard 15 bursts	HMG	5 5 une, 22.50 25.00
of Donetsk)	5-4KIII SE	Heard 2 outgoing explosions	IFV (BMP-1) cannon	3 June, 23:00-23:30
3km N of Pervomaisk ("LPR"-controlled, 58km W of Luhansk)	5km WSW	Heard 18 single shots (assessed as outside the disengagement area)	HMG	4 June, 10:20
Zolote-4 (government- controlled, 60km	4-5km SW	Heard 23 undetermined explosions (assessed as outside the disengagement area)	N/K	4 June, 14:51
NW of Luhansk)		Heard 7 bursts (assessed as outside the disengagement area)	Small arms	4 June, 15:01
	0.5-0.7km W	Heard 2 explosions (outgoing) (assessed as outside the disengagement area but flying over it)	Mortar (120mm)	4 June, 15:04
	4-5km SW	Heard 2 explosions (subsequent impacts) (assessed as outside the disengagement area)		
	4-5km SW	Heard 2 undetermined explosions (assessed as outside the disengagement area)	N/K	4 June, 15:09



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