Table of ceasefire violations as of 22 September 2019¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-3km SSW	Recorded	1	Projectile	NNE to SSW	N/K	20-Sep, 22:01
SMM camera at Donetsk Filtration Station (15km N	0.5-1.5km SSW	Recorded	1	Explosion	Undetermined	N/K	20-Sep, 22:01
	0.5-1.5km SSW	Recorded	3	Explosion	Undetermined	N/K N/K	20-Sep, 22:09
	0.5-1.5km SSW	Recorded	1	Projectile	NW to SE	N/K	20 Sep, 22:14 20-Sep, 22:14
of Donetsk)	0.5-1.5km SSW	Recorded	2	Explosion	Undetermined	N/K	20-Sep, 22:14 20-Sep, 22:15
of Donetsk)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	20-Sep, 22:15
	2-4km SSW	Recorded	8	Projectile	E to W	N/K	20-Sep, 22:15
	2-3km ENE	Recorded	6	Projectile	In vertical flight	N/K N/K	20-Sep, 22:20 20-Sep, 20:30
	1-2km ENE	Recorded	4	Projectile	N to S	N/K	20-Sep, 20:30
	1-2km ENE	Recorded	1	Projectile	NW to SE	N/K	20-Sep, 20:50
	1-2km ENE	Recorded	4	Projectile	NW to SE	N/K	20-Sep, 21:01
SMM camera at entry-exit	1-2km ENE	Recorded	6	Projectile	N to S	N/K	20-Sep, 21:16
checkpoint in Maiorsk		Theostaca	Ű	Illumination	11100	1.0.11	20 Sep;21110
(government-controlled,	3-5km E	Recorded	1	flare	In vertical flight	N/K	20-Sep, 22:16
45km NE of Donetsk)	1-2km ENE	Recorded	3	Projectile	NW to SE	N/K	20-Sep, 21:18
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	20-Sep, 22:27
	3-5km E	Recorded	4	Projectile	In vertical flight	N/K	21-Sep, 00:03
	1-2km ENE	Recorded	3	Projectile	N to S	N/K	21-Sep, 00:35
SMM camera at Oktiabr			-				F,
mine (non-government- controlled, 9km NW of Donetsk city centre)	2-4km N	Recorded	9	Projectile	NW to SE	N/K	20-Sep, 23:36
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 02:00
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 02:01
	2-4km S	Recorded	3	Projectile	NW to SE	N/K	20-Sep, 20:26
	2-4km S	Recorded	5	Projectile	W to E	N/K	20-Sep, 21:35
	2-4km S	Recorded	5	Projectile	In vertical flight	N/K	20-Sep, 21:35
			1	Illumination			
	2-4km S	Recorded	1	flare	In vertical flight	N/K	20-Sep, 22:11
	2-4km S	Recorded	4	Projectile	W to E	N/K	20-Sep, 22:49
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	20-Sep, 22:50
	2-4km S	Recorded	1	Projectile	E to W	N/K	20-Sep, 22:50
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	21-Sep, 00:17
	2-4km S	Recorded	3	Projectile	NE to SW	N/K	21-Sep, 00:50
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	21-Sep, 00:50
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 00:55
	2-4km S	Recorded	5	Projectile	NW to SE	N/K	21-Sep, 01:07
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	21-Sep, 01:07
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	21-Sep, 01:10
SMM camera at entry-exit	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:10
checkpoint in Pyshchevyk	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:28
(government-controlled,	2-4km S	Recorded	3	Projectile	NE to SW	N/K	21-Sep, 01:29
84km S of Donetsk)	2-4km S	Recorded	3	Projectile	NE to SW	N/K	21-Sep, 01:30
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:30
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	21-Sep, 01:31
	2-4km S	Recorded	1	Explosion	Airburst	N/K	21-Sep, 01:31
	2-4km S	Recorded	2	Projectile	NE to SW	N/K	21-Sep, 01:32
	2-4km S	Recorded	Uncountable	Explosion	Undetermined	N/K	21-Sep, 01:32
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:33
	2-4km S	Recorded	3	Projectile	NE to SW	N/K	21-Sep, 01:33
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:35
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:38
	2-4km S	Recorded	7	Projectile	NW to SE	N/K	21-Sep, 01:38
	2-4km S	Recorded	3	Projectile	NE to SW	N/K	21-Sep, 01:38
	2-4km S	Recorded	18	Projectile	NW to SE	N/K	21-Sep, 01:39
	2-4km S	Recorded	5	Projectile	E to W	N/K	21-Sep, 01:39
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:39
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:40
	2-4km S	Recorded	16	Projectile	NW to SE	N/K	21-Sep, 01:40
	2-4km S	Recorded	11	Projectile	NW to SE	N/K	21-Sep, 01:41

¹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an "N/K"), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

SMM position	Eventleastion	Maana	No	Observation	Decomintion	Weenen	Data tima
SMM position	Event location 2-4km S	Means Recorded	No. 2	Observation Explosion	Description Undetermined	Weapon N/K	Date, time 21-Sep, 01:41
	2-4km S	Recorded	3	Explosion	Undetermined	N/K N/K	21-Sep, 01:41 21-Sep, 01:42
	2-4km S	Recorded	4	Projectile	NW to SE	N/K N/K	21-Sep, 01:42 21-Sep, 01:42
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	21-Sep, 01:43
	2-4km S	Recorded	3	Explosion	Undetermined	N/K	21-Sep, 01:43
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:44
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	21-Sep, 01:44
	2-4km S	Recorded	10	Projectile	NW to SE	N/K	21-Sep, 01:45
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:45
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	21-Sep, 01:47
	2-4km S	Recorded	4	Projectile	NW to SE	N/K	21-Sep, 01:49
	2-4km S 2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:49
	2-4km S 2-4km S	Recorded Recorded	1 10	Explosion Projectile	Undetermined NW to SE	N/K N/K	21-Sep, 01:50 21-Sep, 01:50
	2-4km S	Recorded	50	Projectile	NW to SE	N/K	21-Sep, 01:50 21-Sep, 01:51
	2-4km S	Recorded	5	Projectile	NW to SE NE to SW	N/K N/K	21-Sep, 01:51 21-Sep, 01:51
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:51 21-Sep, 01:51
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:51 21-Sep, 01:52
	2-4km S	Recorded	6	Projectile	NW to SE	N/K	21-Sep, 01:52
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	21-Sep, 01:54
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 01:54
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:55
	2-4km S	Recorded	3	Explosion	Undetermined	N/K	21-Sep, 01:57
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	21-Sep, 01:57
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 01:59
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 02:00
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 02:01
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 02:03
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 02:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 02:04
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Sep, 02:09
	2-4km S	Recorded	9	Projectile	W to E	N/K	21-Sep, 02:12
	2-4km S	Recorded	8	Projectile	E to W	N/K	21-Sep, 02:13
	2-4km S	Recorded Recorded	5	Projectile	W to E	N/K N/K	21-Sep, 02:13
	2-4km S 2-4km S	Recorded Recorded	5	Projectile Projectile	W to E E to W	N/K N/K	21-Sep, 02:17 21-Sep, 02:18
	2-4km S 2-4km S	Recorded	6 7	Projectile	E to W W to E	N/K N/K	21-Sep, 02:18 21-Sep, 02:18
	2-4km S	Recorded	1	Projectile	W to E	N/K N/K	21-Sep, 02:18 21-Sep, 02:20
	2-4km S 2-4km S	Recorded	2	Projectile	E to W	N/K N/K	21-Sep, 02:20 21-Sep, 02:21
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 02:21 21-Sep, 02:43
	2-4km SSW	Recorded	9	Projectile	W to E	N/K N/K	21-Sep, 02:43 21-Sep, 02:54
	2-4km S	Recorded	Uncountable	Explosion	Undetermined	N/K	21-Sep, 02:54
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 02:54
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 03:48
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 03:49
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 03:54
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Sep, 03:55
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 03:56
	2-4km S	Recorded	3	Projectile	W to E	N/K	21-Sep, 03:57
	2-4km S	Recorded	1	Projectile	W to E	N/K	21-Sep, 03:58
	2-4km S	Recorded	2	Projectile	W to E	N/K	21-Sep, 03:59
	2-4km S	Recorded	4	Projectile	NW to SE	N/K	21-Sep, 05:09
About 1km NW of the railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	21-Sep, 12:41
	2-3km NW	Heard	5	Burst		Small arms	21-Sep, 11:32-11:35
Oleksandrivka (non-	2-3km NW	Heard	13	Shot		Small arms	21-Sep, 11:32-11:35
government-controlled,	2-3km NW	Heard	1	Explosion	Undetermined	N/K	21-Sep, 11:41
20km SW of Donetsk)	2-3km NW	Heard	1	Explosion	Undetermined	N/K	21-Sep, 11:43
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	21-Sep, 12:03
	2-3km NW	Heard	1	Burst	<u>† </u>	Small arms	21-Sep, 12:04
	2-3km NW	Heard	5	Shot		Small arms	21-Sep, 12:04
About 1km NNE of the	2-3km NNW	Heard	1	Explosion	Undetermined	N/K	21-Sep, 11:20
Donetsk central railway station (non-government- controlled, 6km NW of Donetsk city centre)	2-3km NNW	Heard	2	Shot		Small arms	21-Sep, 11:20
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Abour MW Or Donerta Itm NW Hend I Stor Small arms 2.1-Sep. 12-75 giverance controlled Abour Star NYC Star Star Star Star Star Star Star Star	SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
city catachenic (non- procession) controlled, About Run NC of Zachenic (non- Zachenic (non- nachenic (non- zachenic (non- zachenic (non- zachenic (non- zachenic (non- zachenic (non- zachenic (non- zachenic (non- nachenic (non- zachenic (non- zachenic (non- zachenic (non- nachenic (non- nachenic (non- nachenic (non- nachenic (non- zachenic (non- nachenic (non- nach								
System Strip System Strip<		1_2km NW	Heard	1	Evolosion	Undetermined	N/K	
Zackenko (zon- controlled/Jkm Sof) Doards/)3.4km NWHead2.FxphusionUnderensined NKNK21.Sep. 11.00Abour 1ko NR6 our trolled/Jkm Sof Doards/)3.4km NWHead9.ExplusionUnderensined NKNK21.Sep. 11.27Abour 1ko NR6 our trolled/Jkm Sof Doards/)3.4km NWHead9.ExplusionUnderensined NKNK21.Sep. 11.27Z-Sun Skie of Lornslyne (government-controlled, to controlled, 41 km SW4.5km NNFHead8.FxphusionUnderensined NKNK21.Sep. 11.27Switz Skie of Lornslyne (government-controlled, 41 km SW for Doards/)Zine EHead8.FxphusionUnderensined NKNK21.Sep. 11.46Switz Skie of Lornslyne (government-controlled, 41 km SW for Doards/)Zine KHead2.ExplusionUnderensined NKNK20.Sep. 21.30Switz Skie of Lornslyne (government-controlled, 37 km NCHead4.Bars-Smill arms21.Sep. 11.46Doards/) 2. Star NWHead2.ExplusionUnderensined NKNK20.Sep. 21.30Switz Skie of Lornslyne (government-controlled, 37 km NCHead4.Bars-Switz Skie of Skie		1-2KIII IN W	Heard	1	Explosion	Undetermined	1N/K	21-Sep, 12.00
government controlled/Sins Sof Donectsi) J-4km NW Hoard 2 Explosion Undetermined N/K 21-Sp. 11/00 Donectsion 3.4km NW Heard 9 Fxplosion Undetermined N/K 21-Sp. 11/20/11/25 Donectsion 3.4km NW Heard 9 Fxplosion Undetermined N/K 21-Sp. 11/20/11/25 Donectsion -Stam Sof J-skm NW Heard 2 Explosion Undetermined N/K 21-Sp. 11/30 String Sof Donackync -Stam Sof J-skm NW Heard 5 Stor Snall arms 21-Sp. 11/46 Donerski Zam E Heard 7 Stor Snall arms 21-Sp. 11/46 Donerski Zam E Heard 10 Barst Snall arms 21-Sp. 11/46 Donerski -4 km NW Heard 10 Explosion Undetermined N/K 20-Sp. 27:27 String Mark (government- controlled, 3N/M -4 km NW Heard 10 Explosion Undetermined N/K 20-Sp. 27:37			[ſ	Γ		Т	T I
controlled Jacken Markov J.4km NW Heard 9 Explosion Undermined N/K 21-Sep. (2)-12-30 About TAR NNE of generation generation 3.4km NW Heard 9 Explosion Undermined N/K 21-Sep. (2)-12-30 2.5km SN of Lonakyse generation 3.4km NW Heard 2 Explosion Undermined N/K 21-Sep. (1)-22-11-29 2.5km SN of Lonakyse generation 4.5km NNF Heard 8 Explosion Undermined N/K 21-Sep. (1)-22-Sep. 3/km SN of Lonakyse generation 4.5km NNF Heard 5 Stot Small arms 21-Sep. 11:46 Bohdinska (governmet- controlled, 3/km NF of Lonatish -4.4km SW Heard 7 Explosion Undermined N/K 20-Sep. 23:00 Virtholark (governmet- controlled, 3/km NF of Lonatish -4.4km SW Heard 2 Explosion Undermined N/K 20-Sep. 23:00 10 Distriky -4.4km SW Heard 2 Explosion Undermined N/K 20-Sep. 23:01 2.00 Addition (governmet- controlled, 3/km NF di- Lonat		2 Alem NW	Hoord	2	Evolution	Undetermined	NI/IZ	21 Sap 11:00
Dencisis) Image: Second S	6	3-4KIII IN W	Heard	۷	Explosion	Undetermined	IN/K	21- Se p, 11.00
About Lun NNE of Zachenko (non- poverment) 3.4 km NW Heard 9 Fxphosion Undetermined N.K 21-Spr. 11:20-11:20- 20-20-20-20-20-20-20-20-20-20-20-20-20-2				ĺ				
Zaichenko (non- portrament controlled/9km Sof S-4km NW Heard 9 Explosion Outsetmine NK 1126/1125 2.5km Skg of Lonakyne (byterminer-controlled, Synthesion and controlled, 4km SW 3-4km NW Heard 2 Explosion Undetermined NK 21-sep, 11 1122-1129 Absel J.Stm E G Zim E Heard 8 Explosion Undetermined NK 21-sep, 11 1122-1129 Absel J.Stm E G Zim E Heard 4 Birst Small arms 21-sep, 11-36 Donetsk) 3-4km SW Heard 10 Birst Small arms 21-sep, 11-36 Donetsk) 3-4km SW Heard 10 Explosion Undetermined NK 20-sep, 22-50 Donetsk) 3-4km W Heard 10 Explosion Undetermined NK 20-sep, 22-50 Donetsk) 3-4km W Heard 10 Explosion Undetermined NK 20-sep, 22-50 Donetsk) 3-4km W Heard 10 Explosion Undetermined NK 21-sep, 21	,				l		1	21-Sep.
controlled 93km Sof Donets3. 3.4km NW Heard 2 Explosion Undetermined NK 21.sep, 11:27 2.Sto SSF of Lomakyne Digwarmaett-controlled, 93km S of Donets4. - - Explosion Undetermined NK 21.sep, 11:22- 11:22-11:22 12.Mar 1/Star Format- bound 1/Star Format- Donets4. - - Sniof - Snial arms 21.sep, 11:32- 12:20 13.Min 1/Star Format- Donets4. 2km F Heard 4 Rust Snial arms 21.sep, 11:42- 20.sep, 20:25 13.Min 1/Star Format- Donets4. 3.4km SW Heard 2 Explosion Undetermined NK 20.sep, 20:25 14.Star SW Heard 10 Bara - HM3G 20.sep, 21:30 15.ontrolled, 37km NF eff 3.4km W Heard 2 Explosion Undetermined NK 20.sep, 21:31 15.ontrolled, 37km NF eff 3.4km W Heard 2 Explosion Undetermined NK 21.sep, 11:32 16.ontrolled, 37km NF eff - Stard W Heard 2 Explosion Und		3-4km NW	Heard	9	Explosion	Undetermined	N/K	
Donets() Construct Construct <thconstruct< th=""> <thconstruct< th=""> <thco< td=""><td>e</td><td></td><td>l l</td><td></td><td>1</td><td></td><td>1</td><td>1 1</td></thco<></thconstruct<></thconstruct<>	e		l l		1		1	1 1
2.5km SE of Lomakyre (gwarmanet.contolled, 93km S of Donetsk) 4-5km NNF Heard 8 Fxplnston Undetermined N.K 21-Sep. 11:22-11:29 Bohdmit Skm For Donetsk) 2km F Heard 5 Stot Small arms 21-Sep. 11:22-11:29 Bohdmit Skm For Donetsk) 2km F Heard 2 Fxplnston Small arms 21-Sep. 11:36 Svitlodarsk (government- controlled, Stm SW Heard 2 Fxplnston Undetermined N.K 20-Sep. 20-25 Svitlodarsk (government- controlled, Stm SW Heard 10 Buart Undetermined N.K 20-Sep. 20-25 Jonetsk) 3-4km SW Heard 7 Explosion Undetermined N.K 20-Sep. 20-25 Jonetsk) 3-4km W Heard 4 Explosion Undetermined N.K 20-Sep. 20-25 Jonetsk) 3-4km W Heard 4 Explosion Undetermined N.K 20-Sep. 20-25 Jonetsk) 3-4km W Heard 4 Explosion Undetermined N.K 20-Sep. 20-25	,	3-4km NW	Heard	2	Explosion	Undetermined	N/K	21-Sep, 11:27
(government-controlled, 93m & of Donersk) 4-5km NNE Heard 8 Explosion Undetermined NR N/K 1:22:11:29 1:22:12:90 Absul 15km F of Dondmixk (government- controlled, 41km SW of Donetsk) 2km E Heard 5 Nnt Small arms 21:8ep, 11:46 Syltodarsk (government- controlled, 57km Nr of Donetsk) 3:4km SW Heard 2 Explosion Undetermined N/K 20:5ep, 0:25 Donetsk) 3:4km SW Heard 5 Explosion Undetermined N/K 20:5ep, 0:25 Donetsk) 4:5km SW Heard 5 Explosion Undetermined N/K 20:5ep, 0:25 Donetsk) 4:6km NW Heard 10 Explosion Undetermined N/K 20:5ep, 0:21 Donetsky 4:4km WSW Heard 2 Explosion Undetermined N/K 20:5ep, 0:21 Donetsky 3:5km S Recorded 1 Explosion Undetermined N/K 20:5ep, 0:21 Donetsky 3:5km SS Recorded 1 Explosion Unde	,			ļ				
Government 4-3sm NPL Head 8 Exposen Undetermined N/K 11:22,11:29 About 13sm 5 of Duceska) 2km E Heard 5 Shot Small arms 21-Sep, 11:46 Dometska 2km SW Heard 4 Burst Small arms 21-Sep, 11:46 Dometska 3-4km SW Heard 4 Burst Small arms 21-Sep, 11:46 Dometska 3-4km SW Heard 10 Burst N/K 20-Sep, 22:50 Donetska 3-4km WW Heard 10 Explosion Undetermined N/K 20-Sep, 23:01 Donetska 3-4km WW Heard 2 Explosion Undetermined N/K 20-Sep, 23:14 SMM camera in Chernalyk 3-4km WW Heard 2 Explosion Undetermined N/K 20-Sep, 23:14 SMM camera in Chernalyk 3-5km S Recorded 2 Projectid N/K 21-Sep, 23:34 SMM camera in Chernalyk 0.5-0.8km SR Recorded 1		4	TT	0	T 1	TT 1 (NT /17	21-Sep,
About 1.5km For Band Band Short		4-5km ININE	Heard	δ	Explosion	Undetermined	N/K	
Bohdmirka (government- controlled, 14): NR Work Zem E Heard 4 Burst Snall arms 2.1-Sep, 11:46 Swithdarka (government- controlled, 57: NR Fort Donetsk) 3-4km SW Heard 2 Fxplosion Undetermined NK 20-Sep, 20:25 Southarka (government- controlled, 57km NR Fort Donetsk) 4.5km SW Heard 10 Explosion Undetermined NK 20-Sep, 22:50 Horlivka (non-government- controlled, 57km NR Fort Donetsk) 3-4km W Heard 4 Explosion Undetermined NK 20-Sep, 21:04 SMM camera in Chernalyk (government-controlled, 37km NR Fort 3-4km W Heard 1 Explosion Undetermined NK 20-Sep, 23:04 SMM camera in Chernalyk (government-controlled) 3-km SW Recordel 1 Explosion Undetermined NK 20-Sep, 23:124 SAM camera at Donetsk) 0-S.0 &km SW Recordel 1 Explosion Undetermined NK 21-Sep, 21:58 SAM camera 1.5 km SF of Donetsk) 0-S.0 &km SW Recordel 1 Explosion Undetermined NK 22	· · · · · · · · · · · · · · · · · · ·	2km E	Heard	5	Shot		Small arms	21-Sep 11:46
controlled, 41km SW of Donetsk) 2km E Heard 4 Burst Small arms 21.5kp, 11.40 Switlodark (government controlled, 57km NE of Donetsk) 3-4km SW Heard 2 Fxplosion Undetermined N/K 20.5kp, 12.40 Onnetsky 4-5km SW Heard 5 Explosion Undetermined N/K 20.5kp, 22.50 Donetsky 4-6km NW Heard 6 Explosion Undetermined N/K 20.5kp, 22.50 Horikka (non-government) 3-4km W Heard 2 Explosion Undetermined N/K 20.5kp, 23.13 Donetsky 2-3km WSW Heard 1 Explosion Undetermined N/K 22.5kp, 23.13 SMM camera in Chernalyk (government-controlled, 77km S of Donetsk) 3-5km S Recorded 1 Explosion Undetermined N/K 22.5kp, 23.13 SMM camera in Donetsk 0.5-0.8km SR Recorded 1 Explosion Undetermined N/K 21.5kp, 23.58 SMM camera in Donetsk 0.5-0.8km SR Recorded 1 <t< td=""><td></td><td>2KIII L</td><td>11curo</td><td></td><td>Bildt</td><td></td><td>Diluit uritis</td><td>21 bbp, 11.10</td></t<>		2KIII L	11curo		Bildt		Diluit uritis	21 bbp, 11.10
Donetsk)		2km E	Heard	4	Burst		Small arms	21-Sep, 11:46
Switdoarsk (governament- controlled, 37km NF of Donetsk) Hard 10 Burkt HMG 20 Sep. 21:40 Donetsk) 4-5km SW Heard 7 Explosion Undetermined N/K 20-Sep. 22:50 Hortivka (ron-government- controlled, 39km NE of Donetsk) 3-4km WW Heard 10 Explosion Undetermined N/K 20-Sep. 21:30 Donetsk) 3-4km WW Heard 2 Explosion Undetermined N/K 20-Sep. 21:31 Donetsk) 3-4km WW Heard 3 Shot 20-Sep. 23:34 GWM camera in Chemalyk 3-5km S Recorded 1 Explosion Undetermined N/K 20-Sep. 23:34 GMM camera in Donetsk) 0-5-0 & 8km S Recorded 1 Explosion Undetermined N/K 21-Sep. 23:34 SMM camera in Donetsk) 0-5-0 & 8km S Recorded 1 Explosion Undetermined N/K 21-Sep. 23:36 GV contsk) 0-5-0 & 8km S Recorded 1 Explosion Undetermined N/K 21-Sep. 05:07				l				_
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3-5km S Recorded 3 Projectile ENE to WSW N/K 21-Sep, 22:05								
3-5km S Recorded 2 Projectile E to W N/K 21-Sep, 22:16					U			-
		3-5km S	Recorded	2	Projectile	E to W	N/K	21-Sep, 22:16

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km S	Recorded	4	Projectile	W to E	N/K	21-Sep, 22:26
	3-5km S	Recorded	2	Projectile	E to W	N/K	21-Sep, 22:30
	3-5km S	Recorded	2	Projectile	NW to SE	N/K	21-Sep, 23:54
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 23:55
	4-6km S	Recorded	22	Projectile	W to E	N/K	22-Sep, 00:18
	3-5km S	Recorded	2	Projectile	W to E	N/K	22-Sep, 00:22
	4-6km S 3-5km S	Recorded Recorded	8	Projectile	W to E W to E	N/K N/K	22-Sep, 01:30
	3-5km S	Recorded	1	Projectile Projectile	In vertical flight	N/K N/K	22-Sep, 01:33 22-Sep, 02:08
	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K N/K	21-Sep, 02:08
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	21-Sep, 20:47 21-Sep, 21:23
	3-5km E	Recorded	1	Projectile	SSW to NNE	N/K	21-Sep, 22:35
	3-5km E	Recorded	2	Projectile	NNW to SSE	N/K	21-Sep, 22:36
	3-5km E	Recorded	2	Explosion	Undetermined	N/K	21-Sep, 22:36
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	21-Sep, 22:36
	3-5km ESE	Recorded	4	Projectile	SSW to NNE	N/K	21-Sep, 22:44
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 22:45
	3-5km ESE	Recorded	1	Flash		N/K	21-Sep, 22:45
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	21-Sep, 22:45
	3-5km ESE	Recorded	4	Projectile	SSW to NNE	N/K	21-Sep, 22:46
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	21-Sep, 22:47
	3-5km ESE 4-6km ESE	Recorded Recorded	2	Explosion Explosion	Undetermined Undetermined	N/K N/K	21-Sep, 22:47 21-Sep, 22:58
	4-6km E	Recorded	1	Explosion	Undetermined	N/K N/K	21-Sep, 22:38 21-Sep, 23:03
	4-6km ESE	Recorded	2	Explosion	Undetermined	N/K N/K	21-Sep, 23:03
	4-6km ESE	Recorded	2	Projectile	SSW to NNE	N/K	21-Sep, 23:03
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Sep, 23:05
SMM camera in Svitlodarsk	4-6km E	Recorded	1	Explosion	Undetermined	N/K	21-Sep, 23:06
(government-controlled,	4-6km ESE	Recorded	3	Projectile	SW to NE	N/K	21-Sep, 23:06
57km NE of Donetsk)	4-6km E	Recorded	3	Projectile	N to S	N/K	21-Sep, 23:07
	4-6km E	Recorded	4	Projectile	S to N	N/K	21-Sep, 23:07
	4-6km E	Recorded	1	Explosion	Airburst	N/K	21-Sep, 23:10
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Sep, 23:10
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Sep, 23:11
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Sep, 23:12
	4-6km E 4-6km E	Recorded	1	Flash	NW to SE	N/K	21-Sep, 23:15
	4-6km ESE	Recorded Recorded	1	Projectile	NW to SE Undetermined	N/K N/K	21-Sep, 23:15
	4-6km E	Recorded	2	Explosion Projectile	NW to SE	N/K N/K	21-Sep, 23:15 21-Sep, 23:15
	4-6km E	Recorded	64	Projectile	S to N	N/K N/K	21-Sep, 23:15 21-Sep, 23:16
	4-6km E	Recorded	1	Projectile	N to S	N/K	21-Sep, 23:16
	4-6km E	Recorded	1	Explosion	Impact	N/K	21-Sep, 23:16
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	21-Sep, 23:16
	4-6km E	Recorded	1	Projectile	S to N	N/K	21-Sep, 23:44
	4-6km E	Recorded	2	Projectile	N to S	N/K	21-Sep, 23:46
	3-5km E	Recorded	2	Projectile	N to S	N/K	22-Sep, 00:12
	3-5km E	Recorded	1	Projectile	N to S	N/K	22-Sep, 00:14
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	22-Sep, 01:03
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	21-Sep, 21:18
Debaltseve (non-	3-4km NW	Heard	5	Shot		Small arms	21-Sep, 21:19
government-controlled,	3-4km NW	Heard	3	Burst	The data was in a d	HMG	21-Sep, 21:19
58km NE of Donetsk)	5-6km WNW	Heard	5	Explosion	Undetermined	N/K	21-Sep, 21:21
	6-7km NW	Heard	33	Explosion	Undetermined	N/K	21-Sep, 22:44-23:49
Oleksandrivka (non- government-controlled, 20km SW of Donetsk)	1.5-2km W	Heard	1	Explosion	Undetermined	N/K	22-Sep, 10:08
	2-3km W	Heard	3	Shot		Assessed likely anti-aircraft gun	22-Sep, 13:30
	2-3km W	Heard	2	Burst		Assessed likely anti-aircraft gun	22-Sep, 13:30
Railway station in	2-3km W	Heard	3	Burst		Small arms	22-Sep, 13:30
Yasynuvata (non-	2-3km W	Heard	5	Shot		Small arms	22-Sep, 13:30
government-controlled, 16km NE of Donetsk)	2-3km W	Heard	7	Shot		Assessed likely anti-aircraft gun	22-Sep, 13:45-13:50
	2-3km W	Heard	9	Burst		Assessed likely anti-aircraft gun	22-Sep, 13:45-13:50
	2-3km SW	Heard	13	Shot		Assessed likely anti-aircraft gun	22-Sep, 14:00
Svitlodarsk (government- controlled, 57km NE of	1-2km SW	Heard	11	Shot		Small arms	21-Sep, 19:56-19:57

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Donetsk)	4-5km SW	Heard	2	Explosion	Undetermined	N/K	21-Sep, 21:53
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	21-Sep, 23:12
	5-6km S	Heard	1	Explosion	Undetermined	N/K	21-Sep, 23:15
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	22-Sep, 15:12-15:15
	2-4km SW	Heard	2	Burst		HMG	22-Sep, 15:12-15:15
	2-4km NW	Heard	25	Burst		HMG	22-Sep, 12:47-12:51
	3-5km NW	Heard	20	Explosion	Undetermined	N/K	22-Sep, 12:53-12:57
Horlivka (non-government- controlled, 39km NE of	2-4km NW	Heard	36	Burst		HMG	22-Sep, 12:53-12:59
Donetsk)	4-6km NW	Heard	3	Explosion	Undetermined	N/K	22-Sep, 16:11-16:12
	4-6km NW	Heard	3	Explosion	Undetermined	N/K	22-Sep, 16:37-16:38
	4-6km NW	Heard	3	Explosion	Undetermined	N/K	22-Sep, 16:43-16:44
SMM camera in Kriakivka	4-6km SSW	Recorded	2	Projectile	WNW to ESE	N/K	22-Sep, 00:18
(government-controlled,	4-6km SSW	Recorded	1	Muzzle flash		N/K	22-Sep, 00:22
38km NW of Luhansk)	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	22-Sep, 00:22