Table of ceasefire violations as of 29 September 2019¹

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove	2-4km SSE	Recorded	1	Muzzle flash	Description	N/K	27-Sep, 21:26
(government-controlled,	2 TRILISSE	Incoraca		WIULLIC HUSH	SW to NE (subsequent to		27 500, 21.20
31km SW of Donetsk)	2-4km SSE	Recorded	1	Projectile	previous event)	N/K	27-Sep, 21:26
····· · · · · · · · · · · · · · · · ·	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 21:20
					SW to NE (subsequent to		27.500, 21.2.
	2-4km SSE	Recorded	1	Projectile	previous event)	N/K	27-Sep, 21:27
	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 21:30
	[1			SW to NE (subsequent to		
	2-4km SSE	Recorded	1	Projectile	previous event)	N/K	27-Sep, 21:30
	2-4km SE	Recorded	6		Undetermined	N/K	27-Sep, 21:30
SMM camera in	3-4km SSE	Recorded	4		W to E	N/K	27-Sep, 23:29
Chermalyk (government-	3-4km SSE	Recorded	12		W to E	N/K	28-Sep, 00:21
controlled, 77km S of	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 01:18
Donetsk)	2-3km SSE	Recorded	1	Explosion	Airburst	N/K	28-Sep, 01:51
	2-3km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 05:26
	2-3km SSE	Recorded	2		W to E	N/K	28-Sep, 05:29
	2-3km SSE	Recorded	5		W to E	N/K	28-Sep, 05:39
SMM camera at Donetsk				Illumination			
Filtration Station (15km	3-4km S	Recorded	1	flare	In vertical flight	N/K	27-Sep, 21:53
N of Donetsk)				Illumination	1		
	3-4km S	Recorded	1	flare	In vertical flight	N/K	27-Sep, 21:54
	1-2km SSW	Recorded	8		WNW to ESE	N/K	27-Sep, 22:45
SMM camera 1.5km NE	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K	27-Sep, 19:20
of Hnutove (government-	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	27-Sep, 19:20
controlled, 90km S of	1				SW to NE (also recorded by	\Box	
Donetsk)	3-5km ESE	Recorded	2	Projectile	SMM camera in Chermalyk)	N/K	27-Sep, 19:21
	1	1			Undetermined (also recorded		
	3-5km ESE	Recorded	1	Explosion	SMM camera in Chermalyk)	N/K	27-Sep, 19:21
	1	1			Also recorded by SMM		
					cameras in Chermalyk and		
	3-5km E	Recorded	9	Explosion	Pyshchevyk	N/K	27-Sep, 19:36
	1	1			Also recorded by SMM		
	1.21 . E	D	2	T Lainn	cameras in Chermalyk and	NT/17	27.0 10.45
	1-3km E	Recorded	3	Explosion	Pyshchevyk	N/K	27-Sep, 19:45
	1	1			Also recorded by SMM cameras in Chermalyk and		
	1-3km E	Recorded	1	Projectile	Pyshchevyk	N/K	27-Sep, 19:45
		Kecolucu	1	Flojecule	NW to SE (also recorded by		27-sep, 17.+5
	1	1			SMM cameras in Chermalyk		
	1-3km E	Recorded	1	Explosion	and Pyshchevyk)	N/K	27-Sep, 19:45
	1-3km E	Recorded	1	Explosion	Outgoing	N/K	27-Sep, 19:43 27-Sep, 19:47
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	27-Sep, 19:47 27-Sep, 19:47
	1-3km E	Recorded	1	Explosion	Impact	N/K	27-Sep, 19:47 27-Sep, 19:47
	1-3KIII L	Kettinen		Ехриозии	Outgoing (also recorded by		27-Sep, 17.+7
	1	1			SMM cameras in Chermalyk		
	1-3km E	Recorded	1	Explosion	and Pyshchevyk)	N/K	27-Sep, 19:48
	1-5Km L	Kulture		Баріозіон	Impact, subsequent to	11/15	27-bop, 17.40
	1	1			previous event (also recorded		
	1	1			by Chermalyk and		
	1-3km E	Recorded	1	Explosion	Pyshchevyk cameras)	N/K	27-Sep, 19:48
	1-3km E	Recorded	1	Projectile	NW to SE	N/K	27-Sep, 19:51
<u> </u>		Recoraca	<u> </u>	110,000.00		1.015	27 569, 17.01

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	Event	Moore	Ne	Obcomention	Description	Wagner	Data time
SMM position	location	Means	No.	Observation	Description Impact, subsequent to	Weapon	Date, time
					previous event (also recorded		
					by SMM cameras in		
	1-3km E	Recorded	1	Explosion	Chermalyk and Pyshchevyk)	N/K	27-Sep, 19:51
				•	Outgoing (also recorded by		1,
					SMM cameras in Chermalyk		
	1-3km E	Recorded	1	Explosion	and Pyshchevyk)	N/K	27-Sep, 19:51
					Undetermined (also recorded		
					by SMM cameras in		
	2-4km E	Recorded	4	Explosion	Pyshchevyk)	N/K	27-Sep, 19:53
					Outgoing (also recorded by SMM cameras in Chermalyk		
	1-3km E	Recorded	1	Explosion	and Pyshchevyk)	N/K	27-Sep, 20:00
	1-JKIII L	Recorded	1	Explosion	Impact, subsequent to		27-3cp, 20.00
					previous event (also recorded		
					by SMM cameras in		
	1-3km E	Recorded	1	Explosion	Chermalyk and Pyshchevyk)	N/K	27-Sep, 20:00
				-	N to S (also recorded by the		-
					SMM cameras in Pyshchevyk		
	1-3km E	Recorded	1	Projectile	and Chermalyk)	N/K	27-Sep, 20:11
					Undetermined (also recorded		
	2.41 5	D., 11		Engl	by Pyshchevyk and	NI/17	07 See 20.11
	2-4km E	Recorded	1	Explosion	Chermalyk cameras)	N/K	27-Sep, 20:11
					NNW to SSE (also recorded by SMM cameras in		
	1-3km E	Recorded	2	Projectile	Pyshchevyk and Chermalyk)	N/K	27-Sep, 20:12
	1-3KIII E	Recorded	2	Tiojeetiie	Undetermined (also recorded		27-3cp, 20.12
					by SMM cameras in		
	1-3km E	Recorded	1	Explosion	Pyshchevyk and Chermalyk)	N/K	27-Sep, 20:12
SMM camera E of				•			1/
Lomakyne (government-							
controlled, 90km S of							
Donetsk)	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 03:07
SMM camera at entry-exit	2-4km E	Recorded	4	Projectile	N to S	N/K	27-Sep, 20:37
checkpoint in Maiorsk	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 20:37
(government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	12	Projectile	N to S	N/K	27-Sep, 20:57
45km NE OI Donetsk)	2-4km ENE	Recorded	1 7	Explosion	Impact	N/K N/K	27-Sep, 20:57
	2-4km ENE	Recorded Recorded	1	Projectile Projectile	N to S In vertical flight	N/K N/K	27-Sep, 20:58
	2-4km ENE	Recorded		riojectile	Airburst, subsequent to	1N/ K	27-Sep, 20:58
	2-4km ENE	Recorded	1	Explosion	previous event	N/K	27-Sep, 20:58
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	27-Sep, 21:26
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	27-Sep, 22:38
SMM camera at entry-exit			İ	Ĭ	W to E (also recorded by		
checkpoint in Marinka					SMM cameras in		
(government- controlled,	6-8km N	Recorded	4	Projectile	Krasnohorivka)	N/K	27-Sep, 18:53
23km SW of Donetsk)					Airburst (also recorded by		
		D 11	_	_	SMM camera in	NT/17	07.0 10.52
	6-8km NNE	Recorded	3		Krasnohorivka)	N/K	27-Sep, 18:53
	6-8km NNE	Recorded	1	Projectile Muggle fleeb	In vertical flight	N/K	27-Sep, 18:53
	2-4km N 2-4km NNE	Recorded	3	Muzzle flash	Undatorminad	N/K N/K	27-Sep, 23:51
	2-4km NNE 2-4km NNE	Recorded Recorded	4	Explosion Projectile	Undetermined W to E	N/K N/K	27-Sep, 23:51 27-Sep, 23:51
	2-4km NNE 2-4km N	Recorded	4	Muzzle flash	WUE	N/K N/K	27-Sep, 23:51 27-Sep, 23:52
		Recorded	1	Mullic Hash	W to E, subsequent to	1 1/ 1	21-bep, 23.32
	2-4km NNE	Recorded	2	Projectile	previous event	N/K	27-Sep, 23:52
					Impact, subsequent to		· · · · · · · · · · · · · · · · · · ·
	2-4km NNE	Recorded	1	Explosion	previous event	N/K	27-Sep, 23:52
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	27-Sep, 23:52
	2-4km N	Recorded	1	Muzzle flash		N/K	27-Sep, 23:53
					WSW to ENE, subsequent to		
		1	1 1	Projectile	previous event	N/K	27-Sep, 23:53
	2-4km NNE 2-4km NNE	Recorded Recorded	1	Projectile	W to E	N/K	27-Sep, 23:54

SMM nosition	Event location	Means	No.	Observation	Description	Weener	Data tima
SMM position	2-4km NNE	Recorded	No.	Muzzle flash	Description	Weapon N/K	Date, time 27-Sep, 23:55
	2-4KIII ININE	Recorded	2	Muzzie masn	W to E, subsequent to	IN/K	27-Sep, 25:55
	2-4km NNE	Recorded	1	Projectile	previous event	N/K	27-Sep, 23:55
	2-4km NNE	Recorded	1	Projectile	W to E	N/K N/K	27-Sep, 23:55 27-Sep, 23:57
	2-4km NNE	Recorded	1	Muzzle flash	WIDE	N/K	27-Sep, 23:57
	2-4KIII I (I (L	Recorded	1		W to E, subsequent to		27-50p, 25.57
	2-4km NNE	Recorded	1	Projectile	previous event	N/K	27-Sep, 23:57
		iteesiaea		Tiojeethe	Impact, subsequent to	1.0.11	27 569, 25.57
	2-4km NNE	Recorded	1	Explosion	previous event	N/K	27-Sep, 23:57
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	27-Sep, 23:58
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:18
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:19
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:31
					W to E, subsequent to		
	2-4km NNE	Recorded	2	Projectile	previous event	N/K	28-Sep, 00:31
	2-4km NNE	Recorded	1	Explosion	•	N/K	28-Sep, 00:31
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:35
	2-4km NNE	Recorded	3	Muzzle flash		N/K	28-Sep, 00:36
					W to E, subsequent to		
	2-4km NNE	Recorded	3	Projectile	previous event	N/K	28-Sep, 00:36
	2-4km NNE	Recorded	3	Explosion		N/K	28-Sep, 00:36
	2-4km NNE	Recorded	13	Projectile	W to E	N/K	28-Sep, 00:39
	2-4km NNE	Recorded	8	Projectile	W to E	N/K	28-Sep, 00:40
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:42
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:44
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:44
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 00:45
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:45
					W to E, subsequent to		
	2-4km NNE	Recorded	1	Projectile	previous event	N/K	28-Sep, 00:45
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:49
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:54
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	28-Sep, 01:07
SMM camera at entry-exit	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 19:17
checkpoint in Pyshchevyk	3-5km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 19:18
(government-controlled,	3-5km S	Recorded	3	Projectile	WNW to ESE	N/K	27-Sep, 19:19
84km S of Donetsk)	6-8km S	Recorded	1	Projectile	W to E	N/K	27-Sep, 19:22
	2-4km S	Recorded	3	Projectile	E to W	N/K	27-Sep, 19:33
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	27-Sep, 19:57
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 19:58
	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 20:00
	2-4km SSE	Recorded	1	Explosion	Airburst	N/K	27-Sep, 20:11
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 20:11
					Undetermined (also recorded		
	2-4km SSE	Recorded	4	Explosion	by SMM camera in Hnutove)	N/K	27-Sep, 20:12
	3-5km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 20:24
	6-8km S	Recorded	3	Projectile	W to E	N/K	27-Sep, 20:31
	2-4km S	Recorded	3	Projectile	E to W	N/K	27-Sep, 20:32
	2-4km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 20:32
					Undetermined (also recorded by SMM camera in		
	5-7km S	Recorded	1	Explosion	Lomakyne)	N/K	27-Sep, 21:30
	2-4km S	Recorded	5	Projectile	W to E	N/K	27-Sep, 23:45
	3-5km S	Recorded	1	Projectile	W to E	N/K	27-Sep, 23:46
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 03:01
	3-5km S	Recorded	9	Projectile	W to E	N/K	28-Sep, 03:07
	3-5km S	Recorded	7	Projectile	W to E	N/K	28-Sep, 03:08
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 03:09
	3-5km S	Recorded	4	Projectile	W to E	N/K	28-Sep, 03:10
	3-5km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 03:11
0.07	1-3km ESE	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 19:01
SMM camera in							

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
controlled, 57km NE of	2-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Sep, 19:19
Donetsk)	2-4km S	Recorded	4	Projectile	N to S	N/K	27-Sep, 19:24
	3-4km ESE	Recorded	1	D	In vertical flight, subsequent to previous event	N/K	27 8 10:29
	3-4km ESE	Recorded	1	Projectile Projectile	S to N	N/K N/K	27-Sep, 19:28 27-Sep, 19:29
	3-4km S	Recorded	15	Projectile	N to S	N/K N/K	27-Sep, 19:29 27-Sep, 19:31
	3-4km S	Recorded	13	Projectile	N to S	N/K N/K	27-Sep, 19:31 27-Sep, 19:32
	3-4KIII 5	Recorded	14	Tiojeetiie	N to S, subsequent to previous	11/1	27-5cp, 17.52
	3-4km ESE	Recorded	1	Projectile	event	N/K	27-Sep, 19:36
	2-4km ESE	Recorded	6	Projectile	S to N	N/K	27-Sep, 20:55
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Sep, 21:16
NE part of Avdiivka	4-6km			2			• • • •
(government-controlled,	NNW	Heard	7	Explosion	Undetermined	N/K	28-Sep, 13:17-13:19
17km N of Donetsk)	4-6km						
	NNW	Heard	5	Explosion	Undetermined	N/K	28-Sep, 13:25
	4-6km						
	NNW	Heard	6	Explosion	Undetermined	N/K	28-Sep, 13:29
E part of Avdiivka						C	
(government-controlled, 17km N of Donetsk)	2-3km SSE	Heard	3	Shot		Small	28-Sep, 11:44
SE part of Avdiivka	2-3Kii 33E 8-10km W	Heard	2	Explosion	Undetermined	arms N/K	28-Sep, 09:45-10:00
(government-controlled,	8-10KIII W	Heald	2	Explosion	Ondetermined	Small	28-3ep, 09.43-10.00
17km N of Donetsk)	2-3km S	Heard	1	Shot		arms	28-Sep, 10:05
	2 51411 5	ficure	1	Shot		Small	20 500, 10.05
	1-2km SE	Heard	1	Shot		arms	28-Sep, 10:07
Trudivski area of	2-3km N	Heard	17	Burst		HMG	28-Sep, 11:30-11:38
Donetsk's Petrovskyi							
district (non-government-							
controlled, 15km SW of							
Donetsk city centre)	2-3km N	Heard	42	Explosion	Undetermined	N/K	28-Sep, 11:30-11:38
Krasnohorivka (government-controlled,	2-3km E	Heard	1	Shot		Small	29 San 11.19
(government-controlled, 21km W of Donetsk)	2-3km E	Heard	2	Burst		arms HMG	28-Sep, 11:18 28-Sep, 11:18
21km w of Donetsk)	2-3KIII E	Healu	2	Buist		Small	20-3ep, 11.10
	2-3km E	Heard	2	Shot		arms	28-Sep, 11:19
	2-3km E	Heard	2	Burst		HMG	28-Sep, 11:30
	2-3km E	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:30
	2-3km SE	Heard	14	Burst		HMG	28-Sep, 11:32-11:40
	1-2km SE	Heard	4	Burst		HMG	28-Sep, 11:41
	1-2km SE	Heard	4	Burst		HMG	28-Sep, 11:42
About 2km NE of					Assessed outside Petrivske		
Bohdanivka (government-	1-2km NW	Heard	1	Burst	disengagement area	HMG	28-Sep, 10:41
controlled, 41km SW of					Assessed outside		
Donetsk)	1-2km NW	Heard	8	Burst	disengagement area	HMG	28-Sep, 11:02-11:07
	1 Olana NIW	Head	4	Dermet	Assessed outside	INC	29 Sam 11.14
	1-2km NW	Heard	4	Burst	disengagement area Assessed inside	HMG	28-Sep, 11:14
	1-2km SE	Heard	3	Shot	disengagement area	Small arms	28-Sep, 11:31
	2-3km	Ticaru	5	51101	Assessed outside	Small	20-500, 11.51
	NNW	Heard	1	Shot	disengagement area	arms	28-Sep, 11:02-11:05
	2-3km	110000	-	Shot	Assessed outside	Small	20.500,11102.11100
	NNW	Heard	3	Burst	disengagement area	arms	28-Sep, 11:02-11:05
	2-3km				Assessed outside	Small	-
	NNW	Heard	2	Burst	disengagement area	arms	28-Sep, 11:06
					Assessed outside	Small	
	2-3km N	Heard	6	Burst	disengagement area	arms	28-Sep, 11:14
	2 21 67			G1 .	Assessed inside	Small	
Outinutur (2-3km SE	Heard	13	Shot	disengagement area	arms	28-Sep, 12:05
Orlivske (government- controlled, 23km NE of							
Mariupol)	5-6km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 11:15
Svitlodarsk (government-	4-6km SE	Heard	1	Explosion	Undetermined	N/K N/K	28-Sep, 11:15 27-Sep, 18:34
controlled, 57km NE of	3-5km E	Heard	5	Explosion	Undetermined	N/K N/K	27-Sep, 18:45-18:46
	5 JAIL	110000		Zaprosion	Chaeterinnieu	11/11	2, sep, 10.+5-10.+0

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
Donetsk)	3-5km SE	Heard	6	Explosion	Undetermined	N/K	27-Sep, 18:47-18:48
						Small	
	2-4km S	Heard	2	Shot		arms	27-Sep, 18:48
	3-5km SE	Heard	15	Burst		HMG	27-Sep, 18:49
	3-5km SE	Heard	9	Explosion	Undetermined	N/K	27-Sep, 18:48-18:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 18:55
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 18:58
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:01
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:02
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:05
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:05
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	27-Sep, 19:08-19:10
	4-6km S	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:11-19:12
			2	D (Small	27 0 10 12
	2-3km SE	Heard	3	Burst		arms	27-Sep, 19:13
	5-7km S	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:14
	3-5km SE	Heard	8	Explosion	Undetermined	N/K	27-Sep, 19:17-19:19
	3-5km SE	Heard	7	Explosion	Undetermined	N/K	27-Sep, 19:20-19:22
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:27
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:58
	4-6km SW	Heard	15	Burst	TT 1 4 1	HMG	27-Sep, 20:07
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 20:13
	2 21 CE	II.	7	Design		Small	27 8 20:40 20:45
	2-3km SE 4-6km SE	Heard Heard	7	Burst Explosion	Undetermined	arms N/K	27-Sep, 20:40-20:45 27-Sep, 20:58
	3-5km SE		1	<u>^</u>	Undetermined	N/K	
	5-5KIII SE	Heard	1	Explosion	Undetermined	Small	27-Sep, 21:12
	2-3km SE	Heard	5	Burst		arms	27-Sep, 21:12
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 21:12 27-Sep, 21:17
	3-4km SE	Heard	10	Explosion	Undetermined	N/K	27-Sep, 21:31-21:36
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	27-Sep, 21:40-21:45
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	27-Sep, 21:40-21:45 27-Sep, 21:58
	5-4KIII 5E	Ticaru	5	Explosion		Small	27-5cp, 21.56
	2-3km	Heard	3	Burst		arms	27-Sep, 21:58
	3-4km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 22:15
	3-4km	Heard	13	Burst	Chaeterminea	HMG	27-Sep, 22:55
	3-4km	Heard	9	Explosion	Undetermined	N/K	27-Sep, 23:05-23:07
	3-4km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:10
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:23
	3-5km	Heard	5	Burst		HMG	27-Sep, 23:31
			-			Small	
	2-3km	Heard	2	Burst		arms	27-Sep, 23:32
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:35
				<u> </u>		Small	
	2-3km	Heard	17	Burst		arms	27-Sep, 23:37-23:40
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:52
	3-5km	Heard	1	Explosion	Undetermined	N/K	27-Sep, 23:58
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Sep, 09:19
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:05
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:43
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 12:44
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 13:09
						Small	
	2-3km SW	Heard	1	Shot		arms	28-Sep, 14:57
						Small	
	2-3km SW	Heard	1	Shot		arms	28-Sep, 15:05
						Small	
	1-2km SW	Heard	1	Shot		arms	28-Sep, 15:10
						Small	
	1-2km SW	Heard	1	Shot		arms	28-Sep, 15:15
Horlivka (non-	5-6km SW	Heard	1	Explosion Explosion	Undetermined Undetermined	N/K	28-Sep, 15:50
government-controlled,	4-5km NW	Heard	2			Small	28-Sep, 15:55

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
39km NE of Donetsk)						arms	
SMM camera in Zolote					NNE to SSW (assessed as		
(government-controlled,					inside the disengagement		
60km W of Luhansk)	2-4km SE	Recorded	3	Projectile	area)	N/K	28-Sep, 03:19
	7-10km				Assessed as outside the		
	ESE	Recorded	1	Explosion	disengagement	N/K	28-Sep, 17:11
					NNE to SSW (assessed as		
	2-4km SE	Recorded	3	Projectile	inside the disengagement area)	N/K	28 Sap 04:50
	2-4KIII SE	Recorded	5	Flojectile	NNE to SSW (assessed as	IN/K	28-Sep, 04:50
					inside the disengagement		
	2-4km SE	Recorded	1	Projectile	area)	N/K	28-Sep, 04:50
Kadiivka (formerly	8-11km	literorated	-	Tiojeethe	urou)	1011	20.500,0100
Stakhanov, non-	NNW	Heard	22	Explosion	Undetermined	N/K	27-Sep, 20:40-21:05
government-controlled,	3-5km			-			
50km W of Luhansk)	NNW	Heard	60	Burst		N/K	27-Sep, 20:40-21:05
N edge of Popasna						Small	
(government-controlled,	4-5km SE	Heard	22	Shot		arms	28-Sep, 02:11-02:46
69km W of Luhansk)	4-5km SE	Heard	17	Burst		HMG	28-Sep, 02:11-02:46
	4-5km SE	Heard	7	Explosion	Undetermined	N/K	28-Sep, 02:11-02:46
SMM camera in Berezove							
(government-controlled,	0.41 GE	D 11	-	F 1 ·		21/17	20.0 10.15
31km SW of Donetsk) SMM camera in	3-4km SE 1-3km SSE	Recorded	2	Explosion	Undetermined WSW to ENE	N/K N/K	28-Sep, 19:17
Chermalyk (government-		Recorded	8	Projectile			28-Sep, 19:21
controlled, 77km S of	1-3km SSE 2-3km SSE	Recorded Recorded	5 19	Projectile Projectile	WSW to ENE W to E	N/K N/K	28-Sep, 19:42 28-Sep, 20:37
Donetsk)	2-3km SSE	Recorded	9	Projectile	W to E	N/K N/K	28-Sep, 20:57 28-Sep, 21:22
Donetsky	2-3km SSE	Recorded	7	Projectile	W to E	N/K	28-Sep, 21:22 28-Sep, 21:45
	2-3km SSE	Recorded	3	Projectile	W to E	N/K	28-Sep, 21:45 28-Sep, 23:04
	2-3km SSE	Recorded	34	Projectile	W to E	N/K	28-Sep, 23:30
	2-3km SSE	Recorded	7	Projectile	W to E	N/K	28-Sep, 23:30
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 23:32
	2-3km SSE	Recorded	13	Projectile	W to E	N/K	28-Sep, 23:34
	2-3km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 23:35
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 23:39
	2-3km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 23:41
	2-3km SSE	Recorded	3	Projectile	W to E	N/K	28-Sep, 23:48
	2-3km S	Recorded	3	Projectile	W to E	N/K	29-Sep, 00:04
	2-3km SE	Recorded	1	Projectile	W to E	N/K	29-Sep, 01:33
	2-3km SE	Recorded	1	Projectile	E to W	N/K	29-Sep, 01:33
	2-3km SSE	Recorded	1	Projectile	E to W	N/K	29-Sep, 01:55
				Illumination		/	
	2-3km SSE	Recorded	1	flare	In vertical flight	N/K	29-Sep, 03:09
SMM camera at Donetsk	2.51 0.033	D 11	1	Illumination	T 1 CP 1 .	NT/17	20.0 01.00
Filtration Station (15km N of Donetsk)	3-5km SSW	Recorded	1	flare	In vertical flight	N/K	28-Sep, 21:29
SMM camera 1.5km NE	3-4km SSE	Recorded	1	Projectile	In vertical flight Undetermined	N/K N/K	28-Sep, 23:20
of Hnutove (government-	2-4km ENE 2-4km E	Recorded Recorded	1	Explosion Muzzle flash	Undetermined	N/K N/K	28-Sep, 21:30
controlled, 90km S of	2-4KIII E	Recorded	1	Muzzie masn	N to S, subsequent to previous	IN/K	28-Sep, 22:45
Donetsk)	2-4km E	Recorded	1	Projectile	event	N/K	28-Sep, 22:45
,	2 HKIII E	Recorded	1	Tiojeethe	Impact, subsequent to	1011	20 50p, 22.45
	2-4km E	Recorded	1	Explosion	previous event	N/K	28-Sep, 22:45
SMM camera at entry-exit	2-3km ESE	Recorded	1	Projectile	N to S	N/K	28-Sep, 19:30
checkpoint in Maiorsk	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Sep, 21:13
(government-controlled,				Illumination			
45km NE of Donetsk)	4-6km E	Recorded	1	flare	In vertical flight	N/K	28-Sep, 21:16
	1-2km ESE	Recorded	2	Projectile	SSW to NNE	N/K	28-Sep, 21:16
	1-2km ESE	Recorded	2	Projectile	SSW to NNE	N/K	28-Sep, 21:22
	2-4km E	Recorded	3	Projectile	N to S	N/K	28-Sep, 21:29
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	28-Sep, 21:29
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Sep, 21:30
	1-2km E	Recorded	1	Projectile	In vertical flight	N/K	28-Sep, 21:31
	1-2km E	Recorded	2	Projectile	S to N	N/K	28-Sep, 21:31

	Event					***	
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
	1-2km ENE	Recorded	1	Projectile	N to S	N/K	28-Sep, 21:38
	1-2km ENE	Recorded	6	Projectile	N to S	N/K	28-Sep, 21:39
	2-4km E	Recorded	1	Muzzle flash		N/K	28-Sep, 21:40
	2.4lm E	Recorded	1	Projectile	N to S, subsequent to previous	N/K	29 Sam 21.40
	2-4km E 2-4km E		1	Muzzle flash	event	N/K	28-Sep, 21:40
	2-4KM E	Recorded	1	Muzzie Hash	NE to SW and to many to	IN/K	28-Sep, 21:41
	2 41-m E	Described	1	Ducientile	NE to SW, subsequent to previous event	NI/IZ	29 6 21.41
	2-4km E	Recorded	1	Projectile		N/K	28-Sep, 21:41
	2-4km E	Recorded	1 2	Projectile	S to N	N/K	28-Sep, 22:09
	2-4km E	Recorded	2	Muzzle flash	NE to SW subscreet to	N/K	28-Sep, 22:10
	2.4lm E	Recorded	2	Duciențile	NE to SW, subsequent to	NI/IZ	29 Sam 22.10
	2-4km E 3-5km E	Recorded		Projectile Explosion	previous event Undetermined	N/K N/K	28-Sep, 22:10
	3-3km E 1-2km ENE	Recorded	1 2	Projectile	S to N	N/K	28-Sep, 22:16 28-Sep, 22:46
				Projectile	NW to SE	N/K	
	1-2km ENE	Recorded	8		NW to SE NW to SE	N/K N/K	28-Sep, 22:46
	1-2km ENE	Recorded	4	Projectile			28-Sep, 22:47
	1-2km ENE	Recorded	19	Projectile	NW to SE	N/K	28-Sep, 23:04
	1-2km ENE	Recorded	7	Projectile	S to N	N/K	28-Sep, 23:04
	1-2km ENE	Recorded	1	Projectile	N to S	N/K	28-Sep, 23:04
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	28-Sep, 23:05
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	28-Sep, 23:39
CMM	4-6km ENE	Recorded	1	Explosion	Airburst	N/K	29-Sep, 00:44
SMM camera at entry-exit	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:04
checkpoint in Marinka	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:09
(government- controlled,	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:22
23km SW of Donetsk)	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:23
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:24
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:25
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	28-Sep, 20:26
	2-4km NNE	Recorded	1	Projectile	SE to NW	N/K	28-Sep, 20:26
	2-4km NNE	Recorded	6	Projectile	W to E	N/K	28-Sep, 20:27
	0.08-						
	0.12km						
	NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:27
	2-4km NNE	Recorded	8	Projectile	W to E	N/K	28-Sep, 20:28
	2-4km NNE	Recorded	10	Projectile	W to E	N/K	28-Sep, 20:30
					Airburst, subsequent to		
	2-4km NNE	Recorded	1	Explosion	previous event	N/K	28-Sep, 20:30
	2-4km NNE	Recorded	3		W to E	N/K	28-Sep, 20:31
	2-4km NNE	Recorded	7	Projectile	W to E	N/K	28-Sep, 20:32
					Airburst, subsequent to		
	2-4km NNE	Recorded	1	Explosion	previous event	N/K	28-Sep, 20:32
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:33
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:34
	3-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:36
SMM camera at entry-exit	5-7km S	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 19:15
checkpoint in Pyshchevyk	5-7km S	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 19:16
(government-controlled,	5-7km S	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:21
84km S of Donetsk)	6-8km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 19:21
	6-8km S	Recorded	11	Projectile	NW to SE	N/K	28-Sep, 19:22
	6-8km S	Recorded	5	Projectile	W to E	N/K	28-Sep, 19:23
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:43
	6-8km S	Recorded	1	Projectile	NNE to SSW	N/K	28-Sep, 19:43
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:44
	6-8km S	Recorded	1	Projectile	NNE to SSW	N/K	28-Sep, 19:44
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:47
					Also recorded by SMM		
					cameras in Lomakyne and		
	6-8km S	Recorded	1	Explosion	Chermalyk	N/K	28-Sep, 19:49
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:54
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 19:56
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:58

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km S	Recorded	1	Projectile	E to W	N/K	28-Sep, 20:00
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 20:05
	2-4km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 20:12
	2-4km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 20:12
	2-4km S	Recorded	11	Projectile	E to W	N/K	28-Sep, 20:16
	2-4km S	Recorded	1	Projectile	E to W	N/K	28-Sep, 20:34
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:35
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:37
	2-4km S	Recorded	10	Projectile	W to E	N/K	28-Sep, 20:40
	2-4km S	Recorded	9	Projectile	W to E	N/K	28-Sep, 20:43
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:44
	2-4km SSE	Recorded	7	Projectile	E to W	N/K	28-Sep, 20:47
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:53
	2-4km S	Recorded	5	Projectile	W to E	N/K	28-Sep, 21:01
	2-4km S	Recorded	1	Explosion	Airburst	N/K	28-Sep, 21:01
	2-4km S	Recorded	15	Projectile	W to E	N/K	28-Sep, 21:02
	2-4km S	Recorded	14	Projectile	W to E	N/K	28-Sep, 21:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 21:08
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 21:11
	2-4km S	Recorded	8	Projectile	W to E	N/K	28-Sep, 23:16
SMM camera in	7-10km E	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 17:11
Svitlodarsk (government-	6-8km ESE	Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:51
controlled, 57km NE of	6-8km ESE	Recorded	2	Projectile	NNW to SSE	N/K	28-Sep, 19:52
Donetsk)	6-8km ESE	Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:56
	6-8km ESE	Recorded	3	Projectile	NNW to SSE	N/K	28-Sep, 19:57
					SSW to NNE (approximately		
	6-8km ESE	Recorded	1	Burst	10 rounds)	N/K	28-Sep, 19:58
	6-8km ESE	Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:58
	6-8km ESE	Recorded	1	Projectile	SSW to NNE	N/K	28-Sep, 20:01
	6-8km ESE	Recorded	2	Projectile	SW to NE	N/K	28-Sep, 20:02
					Impact, subsequent to		
	6-8km ESE	Recorded	2	Explosion	previous event	N/K	28-Sep, 20:02
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:03
					Impact, subsequent to		
	6-8km ESE	Recorded	1	Explosion	previous event	N/K	28-Sep, 20:03
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:04
					Impact, subsequent to		
	6-8km ESE	Recorded	1	Explosion	previous event	N/K	28-Sep, 20:04
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:05
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:05
	4-6km ESE	Recorded	1	Projectile	NW to SE	N/K	28-Sep, 20:05
	4-6km ESE	Recorded	1	Explosion	Outgoing	N/K	28-Sep, 20:05
	4-6km E	Recorded	1	Explosion	Outgoing	N/K	28-Sep, 20:15
	A Class ESE	Deserved	1	Englasian	Impact, subsequent to	NI/IZ	29 8 20.15
	4-6km ESE	Recorded	1	Explosion Projectile	previous event SW to NE	N/K	28-Sep, 20:15
	4-6km ESE	Recorded	1	Projectile		N/K	28-Sep, 20:18
	4-6km ESE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:18
	4-6km ESE 4-6km ESE	Recorded	1	Explosion	Impact	N/K N/K	28-Sep, 20:18 28-Sep, 20:19
	4-6km ESE 4-6km ESE	Recorded	1	Projectile	SW to NE	N/K N/K	28-Sep, 20:19 28-Sep, 20:20
	4-6km ESE 6-8km ESE	Recorded	1	Explosion	Outgoing	N/K N/K	28-Sep, 20:20 28-Sep, 20:58
	U-OKIII ESE	Recolueu	1	Explosion	NW to SE, subsequent to	1N/ IX	20-5ep, 20.30
	6-8km ESE	Recorded	1	Projectile	previous event	N/K	28-Sep, 20:58
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:29
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:33
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:35
About 1km E of Kruta	0-0KIII ESE	Recorded	1	Explosion		1 N/ IX	27-50p, 15.55
Balka (non-government-							
controlled, 16km N of							
Donetsk)	2km NW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 10:28
About 1km WSW of the							

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
Yasynuvata (non-	10000000		1100		Description	() oup on	
government-controlled,							
16km NE of Donetsk)							
Railway station in							
Yasynuvata (non-							
government-controlled,							
16km NE of Donetsk)	3-4km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 13:42
Trudivski area of	1.01 0	TT 1	7	<u>61</u>		Small	20.0 11.15
Donetsk's Petrovskyi district (non-government-	1-2km S	Heard	7	Shot		arms	29-Sep, 11:15
controlled, 15km SW of	1-2km SW	Heard	78	Shot		Small	20 Sap 12:10 12:25
Donetsk city centre)	1-2km SW	Heard	5	Shot		arms HMG	29-Sep, 13:10-13:35 29-Sep, 13:10-13:35
Oleksandrivka (non-	1-2KII 5 W	Ticaru	5	51101		TIMO	27-5cp, 15.10-15.55
government-controlled,							
20km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:27
About 1km S of							
Novohryhorivka (non-							
government-controlled,	2-5km						
61km NE of Donetsk)	WSW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 15:35
Bohdanivka (government-							
controlled, 41km SW of	0.5-1km					Small	
Donetsk)	NNE	Heard	1	Shot		arms	29-Sep, 12:00
Svitlodarsk (government-	3-4km NW	Heard	4	Burst		HMG	28-Sep, 18:54-18:55
controlled, 57km NE of	4-6km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 20:59
Donetsk)	4-6km SE	Heard	4	Explosion	Undetermined	N/K	28-Sep, 21:04
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:22
	4.51	TTanud	6	Class 4		Small	28 8 22:27
	4-5km SSE 2-3km SSE	Heard	6	Shot	Undetermined	arms	28-Sep, 22:27
	2-3km SSE 2-3km SSE	Heard Heard	2	Explosion	Undetermined	N/K N/K	28-Sep, 23:00
	4-6km SSW	Heard	4	Explosion Burst	Undetermined	HMG	28-Sep, 23:10 28-Sep, 23:13
	4-6km S	Heard	4	Explosion	Undetermined	N/K	28-Sep, 23:13 28-Sep, 23:18
	4-6km SE	Heard	6	Burst	Ondetermined	HMG	28-Sep, 23:20
	4-0KIII SE	Ticaru	0	Duist		Small	20-50p, 25.20
	2-3km SSE	Heard	10	Shot		arms	28-Sep, 23:25
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	28-Sep, 23:32-23:34
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:37
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:39
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:46
				· ·		Small	
	2-3km SE	Heard	5	Shot		arms	28-Sep, 23:50
	3-4km S	Heard	22	Explosion	Undetermined	N/K	29-Sep, 06:40
	3-4km SW	Heard	24	Burst		HMG	29-Sep, 07:25
						Small	
	3-4km SW	Heard	9	Shot		arms	29-Sep, 07:30
About 500m NE of							
Kamianka (government- controlled, 20km N of							
Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	20 San 00:28
Horlivka (non-	5-6km NW	Heard	5	Explosion	Undetermined	N/K N/K	29-Sep, 09:28 29-Sep, 17:30-17:37
government-controlled,	5-6km NW	Heard	2	Explosion	Undetermined	N/K N/K	29-Sep, 17:30-17:37 29-Sep, 17:43
39km NE of Donetsk)	5-6km NW	Heard	6	Explosion	Undetermined	N/K N/K	29-Sep, 17:46-17:48
	5-6km NW	Heard	10	Explosion	Undetermined	N/K	29-Sep, 17:49-17:52
	4-5km NW	Heard	15	Burst		HMG	29-Sep, 17:49-17:52
	5-6km NW	Heard	6	Explosion	Undetermined	N/K	29-Sep, 17:57-18:05
	5-6km NW	Heard	4	Explosion	Undetermined	N/K	29-Sep, 18:06-18:08
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 18:17-18:19
	5-6km NW	Heard	5	Explosion	Undetermined	N/K	29-Sep, 18:23-18:26
	5-6km NW	Heard	5	Burst		HMG	29-Sep, 18:23-18:26
SMM camera in							
Kriakivka (government-							
controlled, 38km NW of					NNW to SSE (approximately		
Luhansk)	3-5km SSW	Recorded	1	Burst	15 rounds)	N/K	28-Sep, 22:25

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Zolote							
(government-controlled,					Airburst, assessed as inside		
60km W of Luhansk)	2-3.5km S	Recorded	1	Explosion	the disengagement area	N/K	28-Sep, 22:49
Kadiivka (formerly	8-10km						
Stakhanov, non-	NNW	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:10
government-controlled,							
50km W of Luhansk)	6-7km W	Heard	6	Explosion	Undetermined	N/K	28-Sep, 22:32-22:36
NE edge of Stanytsia							
Luhanska (government-					Undetermined (assessed as		
controlled, 16km N of					outside the disengagement		
Luhansk)	2-4km S	Heard	1	Explosion	area)	N/K	29-Sep, 00:36
N edge of Popasna							
(government-controlled,							
69km W of Luhansk)	4-5km SE	Heard	39	Burst		HMG	29-Sep, 02:00-02:45
1.5km NNE of Lobacheve							
(non-government-							
controlled, 13km E of					Assessed as directed at SMM	Small	
Luhansk)	3-3.2km SE	Heard	7	Shot	mini-UAV	arms	29-Sep, 11:49
Smile (non-government-							
controlled, 31km NW of							
Luhansk)	1-2km NW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:35
E edge of Popasna							
(government-controlled,							
69km W of Luhansk)	2-4km SSW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:51