Table of ceasefire violations as of 7 October 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date and time
	2-5km NNE	Recorded	1	Projectile	SSW to NNE	N/K	5-Oct, 20:20
SMM camera	2-5km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 20:20
in Berezove	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	6-Oct, 00:46
(government-	2-4km NNE	Recorded	1	Muzzle flash		N/K	6-Oct, 01:18
controlled,	2-4km NE	Recorded	5	Projectile	ESE to WNW	N/K	6-Oct, 01:27
31km SW of	2-4km NE	Recorded	5	Projectile	ESE to WNW	N/K	6-Oct, 05:16
Donetsk)	2-4km NE	Recorded	2	Projectile	ESE to WNW	N/K	6-Oct, 05:17
	2-4km NE	Recorded	1	Projectile	ESE to WNW	N/K	6-Oct, 05:18
	5-7km SE	Recorded	1	Projectile	NW to SE	N/K	5-Oct, 21:13
	5-7km SSE	Recorded	2	Projectile	NNE to SSW	N/K	5-Oct, 21:29
	5-7km SE	Recorded	3	Projectile	NNE to SSW	N/K	5-Oct, 21:51
	5-7km SSE	Recorded	1	Projectile	N to S	N/K	5-Oct, 22:22
	5-7km SSE	Recorded	2	Projectile	WSW to ENE	N/K	5-Oct, 22:22
	6-7km SSE	Recorded	7	Explosion	Undetermined	N/K	5-Oct, 22:34
SMM camera	6-7km SSE	Recorded	5	Projectile	N to S	N/K	5-Oct, 22:34
in Chermalyk	3-7km SE	Recorded	9	Projectile	SW to NE	N/K	5-Oct, 22:38
(government-	3-7km SE	Recorded	2	Projectile	SW to NE	N/K	5-Oct, 22:39
controlled,	3-7km SE	Recorded	6	Projectile	SW to NE	N/K	5-Oct, 22:44
31km NE of	3-7km SE	Recorded	3	Projectile	NE to SW	N/K	5-Oct, 22:49
Mariupol)	3-7km S	Recorded	2	Projectile	NE to SW	N/K	5-Oct, 22:50
	3-7km SSE	Recorded	4	Projectile	WNW to ESE	N/K	5-Oct, 22:52
	3-7km SSE	Recorded	2	Projectile	WNW to ESE	N/K	5-Oct, 22:53
	3-7km SSE	Recorded	9	Projectile	WNW to ESE	N/K	5-Oct, 23:54
	3-7km S	Recorded	7	Projectile	W to E	N/K	6-Oct, 00:32
	4-7km S	Recorded	5	Projectile	NW to SE	N/K	6-Oct, 02:52
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 19:06
	1.5-2km S	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 19:07
	1-2km S	Recorded	2	Projectile	ESE to WNW	N/K	5-Oct, 19:07
a. a. t	1-2km S	Recorded	2	Explosion	Undetermined	N/K	5-Oct, 19:13
SMM camera	1-2km S	Recorded	5	Projectile	ESE to WNW	N/K	5-Oct, 19:13
at Donetsk	1.5-2.5km S	Recorded	3	Projectile	ESE to WNW	N/K	5-Oct, 19:15
Filtration	1-2km SSW	Recorded	4	Projectile	WNW to ESE	N/K	5-Oct, 19:22
Station (15km	1-2km S	Recorded	11	Explosion	Undetermined	N/K	5-Oct, 19:22
N of Donetsk)	2-3km S	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 19:23
	1-2km S	Recorded	1	Muzzle flash		N/K	5-Oct, 19:24
	1-2km S	Recorded	1	Projectile	SE to NW	N/K	5-Oct, 19:24
	2-4km SSW	Recorded	3	Projectile	WNW to ESE	N/K	5-Oct, 20:53
	2-4km SSW	Recorded	3	Projectile	E to W	N/K	5-Oct, 21:42
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 19:11
SMM camera	3-4km ENE	Recorded	4	Burst	NNW to SSE (approximately 200 rounds)	N/K	5-Oct, 20:14
1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-4km E	Recorded	2	Burst	ESE to WNW (approximately 10 rounds)	N/K	5-Oct, 20:14
	3-4km ENE	Recorded	3	Burst	NNW to SSE (approximately 50 rounds)	N/K	5-Oct, 20:15
	3-4km ENE	Recorded	1	Burst	ESE to WNW (approximately 10 rounds)	N/K	5-Oct, 20:15

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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.

3-4km ENE Recorded 1 Projectile SW to NNE NK 5-Oct, 22:								
3-4km E Recorded 12 Projectile Nto S NK 5-Oct, 22:		3-4km ENE	Recorded	2	Projectile		N/K	5-Oct, 20:16
3-4km EN Recorded 1 Szplosion Undetermined NK 5-Oct, 22:		3-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	5-Oct, 22:32
3-4km ENE Recorded 1 Explosion Undetermined N/K 5-Oct, 22:		3-4km E	Recorded	12	Projectile	SSW to NNE	N/K	5-Oct, 22:34
3-4km ENE Recorded 8 Projectile NW to SE N/K 5-Oct, 22:		3-4km E	Recorded	6	Projectile	N to S	N/K	5-Oct, 22:34
3-4km EN		3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 22:35
3-4km EN		3-4km E	Recorded	3	Projectile	NW to SE	N/K	5-Oct, 22:36
3-4km E		3-4km ENE	Recorded	8	Projectile	NW to SE	N/K	5-Oct, 22:47
3-4km ENE			Recorded					5-Oct, 23:54
3-4km ENE								
Sakm ENE								
3-4km ENE			1					
3-4km ENE								
Salkm ENE								
3-4km ESE						IVW to SE		
3-4km ENE		-				NW to CE		
3-4km EN		5-4KIII ESE	Recorded	1	Fiojectile		IN/IX	0-001, 00.47
Askm ENE		3-4km E	Recorded	1	Burst	(approximately	N/K	6-Oct, 01:29
SAMM camera in Krasnohorivka (government-controlled, 2-4km SE Recorded 1 Projectile ENE to WSW N/K 6-Oct, 02:		3-4km ENE	Recorded	4	Projectile	· ·	N/K	6-Oct 01:29
SMM camera in Krasnohorivka (government controlled, 21km W of Donetsk)								
2.4km SSE			1					6-Oct, 03:04
SAM Camerarian Kriakivka (government-controlled, 21km W of Donetsk) 2-3km SW Recorded 5 Projectile ENE to WSW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 6 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 6 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 6 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 6 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 6 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Rec	SMM camera							
Rrasnohorivka (government-controlled, 21km W of Donetsk)		2-4KIII SSL	Recorded	1	Trojectiic	LIVE to VISIV	11/11	0-001, 02.00
2-5km SW	Krasnohorivka (government- controlled, 21km W of	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 02:29
2-5km SW	,	2-5km SW	Recorded	5	Projectile	WNW to ESE	N/K	5-Oct, 19:47
2-5km SW								5-Oct, 20:01
2-5km SW								
2-5km SW								
2-5km SW								
2-5km SW								
2-5km SW								
2-5km SW								,
2-5km SW								
2-5km SW								
2-5km SSW								
2-5km SW					J			
2-5km SW								
2-5km SW					,			
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk) 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20: Luhansk) 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20: Luhansk) 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N								
2-5km SW								
2-5km SE								
2-5km SW			1	4				
2-5km SW				1				5-Oct, 20:12
Luhansk) 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded								5-Oct, 20:13
2-5km SW Recorded 3 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SSW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion		2-5km SW	Recorded	2	Projectile	WNW to ESE		5-Oct, 20:13
2-5km SSW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20:: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile	Luhansk)	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 20:13
2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20:: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile		2-5km SW	Recorded	3	Projectile	WNW to ESE	N/K	5-Oct, 20:14
2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20:: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20:: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile		2-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	5-Oct, 20:24
2-5km SW Recorded 4 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20:				2				5-Oct, 20:24
2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:				4				5-Oct, 20:27
2-5km SW Recorded 2 Muzzle flash N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:								5-Oct, 20:32
2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile WNW to ESE N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:		-						5-Oct, 20:33
2-5km SWRecorded2ProjectileWNW to ESEN/K5-Oct, 20:2-5km SWRecorded3ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded2ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded1ExplosionUndeterminedN/K5-Oct, 20:2-5km SWRecorded3ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded1ProjectileWNW to ESEN/K5-Oct, 21:						ESE to WNW		5-Oct, 20:34
2-5km SWRecorded3ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded2ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded1ExplosionUndeterminedN/K5-Oct, 20:2-5km SWRecorded3ProjectileESE to WNWN/K5-Oct, 20:2-5km SWRecorded1ProjectileWNW to ESEN/K5-Oct, 21:								5-Oct, 20:34
2-5km SW Recorded 2 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20:: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:								5-Oct, 20:34
2-5km SW Recorded 1 Explosion Undetermined N/K 5-Oct, 20:: 2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:4					•			
2-5km SW Recorded 3 Projectile ESE to WNW N/K 5-Oct, 20:: 2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:4								
2-5km SW Recorded 1 Projectile WNW to ESE N/K 5-Oct, 21:4		-						
Illumination					_			
2-5km SW Recorded 1 Hullimation In vertical flight N/K 5-Oct 21.				1				
2-3km 3 W Recorded 1 flare in vertical hight 14/K 3-0ct, 21		2-5km SW	Recorded	1		In vertical flight	N/K	5-Oct, 21:52

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	2-5km SW	Recorded	5	Projectile	WNW to ESE	N/K	5-Oct, 21:56
	2-5km SW	Recorded	3	Projectile	WNW to ESE	N/K	5-Oct, 21:57
	2-5km SW	Recorded	3	Projectile	WNW to ESE	N/K	5-Oct, 22:00
	2-5km SW	Recorded	2	Projectile	WNW to ESE	N/K	5-Oct, 22:01
	2-5km SW	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 22:25
	2-5km SW	Recorded	2	Projectile	WNW to ESE	N/K	6-Oct, 00:03
	2-5km SSW	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 00:09
	2-5km SSW	Recorded	2	Muzzle flash		N/K	6-Oct, 00:09
	2-5km SW	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 04:46
SMM camera	4-6km ENE	Recorded	2	Projectile	NW to SE	N/K	5-Oct, 19:54
E of	4-6km ENE	Recorded	5	Projectile	SE to NW	N/K	5-Oct, 19:54
Lomakyne	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 22:17
(government-	2-6km NE	Recorded	7	Projectile	NW to SE	N/K	6-Oct, 02:25
controlled,	2-6km NE	Recorded	4	Projectile	WNW to ESE	N/K	6-Oct, 02:25
15km NE of Mariupol)	3-6km NE	Recorded	11	Projectile	WNW to ESE	N/K	6-Oct, 02:52
SMM camera	3-4km E	Recorded	3	Projectile	N to S	N/K	5-Oct, 19:11
on N edge of Popasna (government- controlled, 69km W of Luhansk)	3-6km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	5-Oct, 23:57
SMM camera	3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	5-Oct, 19:19
at entry-exit	3-5km SSE	Recorded	3	Projectile	E to W	N/K	5-Oct, 19:38
checkpoint in	2-3km SE	Recorded	1	Projectile	NNE to SSW	N/K	5-Oct, 20:54
Pyshchevyk (government- controlled, 25km NE of Mariupol)	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 23:22
SMM camera at Prince Ihor Monument SE of Stanytsia	N/K N	Recorded	1	Projectile	NW to SE (unable to assess whether inside or outside the disengagement area)	N/K	6-Oct, 02:00
Luhanska bridge (15km NE of Luhansk)	N/K WNW	Recorded	1	Projectile	NW to SE (unable to assess whether inside or outside the disengagement area)	N/K	6-Oct, 04:20
	3-4km E	Recorded	3	Projectile	N to S	N/K	5-Oct, 19:08
	3-4km E	Recorded	2	Projectile	N to S	N/K	5-Oct, 19:09
	3-4km E	Recorded	2	Burst	S to N (approximately 20 rounds)	N/K	5-Oct, 19:09
	3-4km E	Recorded	3	Projectile	N to S	N/K	5-Oct, 19:11
SMM camera	3-5km E	Recorded	8	Projectile	In vertical flight	N/K	5-Oct, 19:25
in Svitlodarsk	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	5-Oct, 20:04
(government-	2-4km ESE	Recorded	7	Projectile	S to N	N/K	5-Oct, 21:21
controlled,	2-4km ESE	Recorded	1	Projectile	N to S	N/K	5-Oct, 21:21
57km NE of	4-6km E	Recorded	4	Projectile	S to N	N/K	5-Oct, 21:22
Donetsk)	4-6km E	Recorded	5	Projectile	In vertical flight	N/K	5-Oct, 21:22
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	5-Oct, 22:34
	2-4km ESE	Recorded	6	Projectile	S to N	N/K	5-Oct, 22:34
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	5-Oct, 22:34
	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K	5-Oct, 23:17
	2-4km E	Recorded	4	Projectile	SW to NE	N/K	6-Oct, 02:40
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 02:40
1.1km NW of	2km WNW	Heard	2	Burst	2 2	HMG	6-Oct, 09:05
railway station	2-3km SW	Heard	3	Burst		Small	6-Oct, 09:39-
in Yasynuvata (non-	2-3km SW	Heard	5	Durct		arms	09:40 6-Oct, 09:39-
CHUH-	∠-3KIII 3 W	пеаги)	Burst		HMG	0-001, 09:39-

government-					1		09:40
controlled, 16km NE of	1.5-1.8km SW	Heard	20	Shot		Small arms	6-Oct, 10:15- 10:20
Donetsk)	2km WNW	Heard	1	Shot		Small arms	6-Oct, 15:56
SE of Avdiivka	1-2km ESE	Heard	60	Shot		Small arms	6-Oct, 10:18
(government-	2-3km E	Heard	1	Explosion	Undetermined	N/K	6-Oct, 15:14
controlled, 17km N of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	6-Oct, 15:40
Oleksandrivka	1-2km W	Heard	17	Shot		Small arms	6-Oct, 11:10- 11:25
(non- government-	1-2km W	Heard	4	Burst		HMG	6-Oct, 11:10- 11:25
controlled, 20km SW of	2-3km W	Heard	5	Explosion	Undetermined	N/K	6-Oct, 11:25- 11:30
Donetsk)	2-3km NW	Heard	3	Explosion	Undetermined	N/K	6-Oct, 11:25- 11:30
1.2km NE of central railway station in Donetsk (non- government- controlled, 6km NW of Donetsk city centre)	1-2km W	Heard	1	Explosion	Undetermined	N/K	6-Oct, 15:30
1km SW of Lebedynske	N/K E	Heard	6	Explosion	Undetermined	N/K	6-Oct, 09:54- 09:55
(government-controlled,	N/K ENE	Heard	2	Explosion	Undetermined	N/K	6-Oct, 10:13- 10:22
16km NE of Mariupol)	N/K ENE	Heard	3	Burst		HMG	6-Oct, 10:13- 10:22
	2km NE	Heard	3	Burst		HMG	6-Oct, 13:12- 13:17
2km SE of Lebedynske	2km NE	Heard	2	Explosion	Undetermined	N/K	6-Oct, 13:12- 13:17
(government-controlled,	4-5km NNE	Heard	3	Explosion	Undetermined	N/K	6-Oct, 13:12- 13:17
16km NE of Mariupol)	4-5km NNW	Heard	3	Explosion	Undetermined	N/K	6-Oct, 13:12- 13:17
	4-5km NNW	Heard	1	Explosion	Undetermined	N/K	6-Oct, 13:25
	4-5km NNW	Heard	4	Burst		HMG	6-Oct, 13:25
1km N of Zaichenko (non- government controlled, 26 km NE of Mariupol)	N/K NNW	Heard	1	Explosion	Undetermined	N/K	6-Oct, 12:03
Sopyne (government-	N/K N	Heard	8	Explosion	Undetermined	N/K	6-Oct, 12:47- 12:52
controlled, 16km E of Mariupol)	N/K N	Heard	12	Burst		HMG	6-Oct, 12:47- 12:52
1km N of Chermalyk (government- controlled, 31 km NE of Mariupol)	N/K N	Heard	1	Explosion	Undetermined	N/K	6-Oct, 12:03
Chermalyk (government-	1-2km S	Heard	13	Shot		Small arms	6-Oct, 13:09- 13:34
controlled, 31km NE of	1-2km SSW	Heard	7	Shot		Small arms	6-Oct, 13:09- 13:34

Mariupol)	1-2km SE	Heard	5	Shot		Small	6-Oct, 13:09- 13:34
						arms Small	6-Oct, 13:45-
	1-2km S	Heard	3	Burst			13:56
Svitlodarsk						arms	13.30
(government- controlled, 57km NE of Donetsk)	5-8km SE	Heard	2	Burst		HMG	5-Oct, 23:15
Horlivka (non- government-	4-5km NNW	Heard	5	Explosion	Undetermined	N/K	5-Oct, 18:27- 18:28
controlled, 39km NE of Donetsk)	4-5km NW	Heard	13	Burst		HMG	5-Oct, 18:40- 18:41
NW edge of	2-3km NNW	Heard	35	Burst		HMG	6-Oct, 09:25- 09:30
Horlivka (non- government	1km WNW	Heard	5	Shot		Small arms	6-Oct, 10:35
controlled, 39km NE of	1-2km WNW	Heard	5	Shot		Small arms	6-Oct, 14:02
Donetsk)	1-2km WNW	Heard	20	Shot		Small arms	6-Oct, 14:05
	3-4km WNW	Heard	2	Explosion	Undetermined	N/K	6-Oct, 14:20
Holmivskyi	3-4km W	Heard	1	Explosion	Undetermined	N/K	6-Oct, 12:09
(government-	3-4km W	Heard	1	Explosion	Undetermined	N/K	6-Oct, 12:14
controlled	3-4km W	Heard	1	Explosion	Undetermined	N/K	6-Oct, 12:30
49km north-	3-4km W	Heard	3	Burst		HMG	6-Oct, 12:35
east of Donetsk)	3-4km W	Heard	3	Burst		Small arms	6-Oct, 12:55
Zolote- 5/Mykhailivka (non- government- controlled, 58km west of Luhansk)	1km N	Heard	1	Explosion	Undetermined	N/K	6-Oct, 10:47
NE edge of Zolote- 5/Mykhailivka (non- government- controlled, 58km west of Luhansk)	1.5km NW	Heard	1	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	6-Oct, 11:57
NE edge of Orikhove (government- controlled, 57km north- west of Luhansk)	5-7km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	6-Oct, 10:48
SMM camera	2-5km ESE	Recorded	1	Projectile	NNW to SSE	N/K	6-Oct, 20:34
in Avdiivka	2-5km SE	Recorded	1	Projectile	NNE to SSW	N/K	6-Oct, 21:26
(government-	2-5km ESE	Recorded	1	Projectile	N to S	N/K	6-Oct, 22:19
controlled, 17km N of	2-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	6-Oct, 23:56
Donetsk) SMM camera in Berezove (government- controlled, 31km SW of Donetsk) SMM camera	1-3km NE	Recorded	1	Projectile	SE to NW	N/K	6-Oct, 19:35
in Chermalyk	3-5km SE	Recorded	3	Projectile	ENE to WSW	N/K	6-Oct, 18:49

	T	1		I	T	1	1
(government-							
controlled,							
31km NE of							
Mariupol)	2 21 22			- · · ·		37.77	10 10 70
	3-5km SE	Recorded	6	Projectile	ENE to WSW	N/K	6-Oct, 18:50
	3-5km SE	Recorded	3	Burst	ENE to WSW	N/K	6-Oct, 19:02
	3-5km SE	Recorded	3	Projectile	ENE to WSW	N/K	6-Oct, 19:02
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	6-Oct, 19:02
SMM camera in Chermalyk (government-	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 19:03
	3-5km SSE	Recorded	4	Muzzle flash		N/K	6-Oct, 19:04
	3-5km SSE	Recorded	5	Projectile	ENE to WSW	N/K	6-Oct, 19:06
controlled,	3-5km SSE	Recorded	8	Projectile	In vertical flight	N/K	6-Oct, 19:07
31km NE of	3-5km SSE	Recorded	8	Projectile	ENE to WSW	N/K	6-Oct, 19:07
Mariupol)	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 19:08
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	6-Oct, 19:08
	3-5km S	Recorded	1	Muzzle flash		N/K	6-Oct, 19:45
	3-6km SE	Recorded	2	Explosion	Undetermined	N/K	7-Oct, 01:21
	3-6km SE	Recorded	3	Projectile	NE to SW	N/K	7-Oct, 01:21
	1-2km SW	Recorded	1	Projectile	W to E	N/K	6-Oct, 19:03
					W to E		
	1-2km SSW	Recorded	1	Burst	(approximately	N/K	6-Oct, 19:08
					10 rounds)		
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	6-Oct, 19:08
SMM camera	1-2km SW	Recorded	2	Projectile	In vertical flight	N/K	6-Oct, 19:14
at Donetsk		D 1.1		Illumination			
Filtration	1-2km S	Recorded	1	flare	In vertical flight	N/K	6-Oct, 19:35
Station (15km	1-2km SW	Recorded	6	Projectile	E to W	N/K	6-Oct, 21:14
N of Donetsk)	1-2km SW	Recorded	2	Projectile	SSE to NNW	N/K	6-Oct, 22:15
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 22:17
	1-2km SSW	Recorded	2	Projectile	SSW to NNE	N/K	6-Oct, 22:18
	1-2km SSW	Recorded	1	Projectile	SSW to NNE	N/K	6-Oct, 23:04
	1-2km SSW	Recorded	1	Projectile	N to S	N/K	7-Oct, 03:53
	2-4km E	Recorded	3	Projectile	N to S	N/K	6-Oct, 19:10
	2-4km ENE	Recorded	3	Projectile	SE to NW	N/K	
	2-4km ENE	Recorded	3	Projectile	WNW to ESE	N/K	6-Oct, 20:14 6-Oct, 20:14
	2-4km ENE	Recorded	10	Projectile	SE to NW	N/K	6-Oct, 20:14
	2-4km ENE	Recorded	10	Muzzle flash	SE to NW	N/K	6-Oct, 20:17
	2-4km ESE	Recorded	1	Projectile	WNW to ESE	N/K N/K	6-Oct, 20:17
	2-4km ESE	Recorded	1	Projectile	S to N	N/K N/K	6-Oct, 20:31
	2-4km E	Recorded	2	Muzzle flash	3 to N	N/K N/K	
							6-Oct, 20:36
	2-4km SE	Recorded	3	Muzzle flash	NI C	N/K	6-Oct, 21:04
	2-4km ENE	Recorded	13	Projectile	N to S	N/K	6-Oct, 21:22
	2-4km ENE	Recorded	2	Projectile	WNW to ESE	N/K	6-Oct, 21:22
	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 21:23
SMM camera	2-4km ENE	Recorded	4	Projectile	NW to SE	N/K	6-Oct, 21:23
1.5km NE of	2-4km ENE	Recorded	1	Projectile	W to E	N/K	6-Oct, 21:23
Hnutove	2-4km ENE	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 21:23
(government-	2-4km ENE	Recorded	3	Projectile	N to S	N/K	6-Oct, 21:23
controlled,	2-4km ENE	Recorded	7	Projectile	NNW to SSE	N/K	6-Oct, 21:24
,		Recorded	2	Explosion	Undetermined	N/K	6-Oct, 21:24
20km NE of	2-4km E						(0 , 01 00
20km NE of Mariupol)	2-4km ESE	Recorded	3	Projectile	WNW to ESE	N/K	6-Oct, 21:26
20km NE of Mariupol)			3 2	Muzzle flash	WNW to ESE	N/K	6-Oct, 21:26 6-Oct, 21:27
	2-4km ESE	Recorded			WNW to ESE WSW to ENE		6-Oct, 21:27 6-Oct, 21:27
	2-4km ESE 2-4km ENE	Recorded Recorded	2	Muzzle flash	WSW to ENE	N/K N/K N/K	6-Oct, 21:27
	2-4km ESE 2-4km ENE 2-4km ESE	Recorded Recorded Recorded	2	Muzzle flash Projectile		N/K N/K	6-Oct, 21:27 6-Oct, 21:27
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE	Recorded Recorded Recorded Recorded	2 1 2	Muzzle flash Projectile Muzzle flash	WSW to ENE	N/K N/K N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E	Recorded Recorded Recorded Recorded Recorded	2 1 2 4	Muzzle flash Projectile Muzzle flash Projectile	WSW to ENE N to S	N/K N/K N/K N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	2 1 2 4 1	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion	WSW to ENE N to S NNW to SSE	N/K N/K N/K N/K N/K N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE 2-4km ENE	Recorded	2 1 2 4 1 1 2	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion Muzzle flash	WSW to ENE N to S NNW to SSE Undetermined	N/K N/K N/K N/K N/K N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 22:21
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE 2-4km ENE 2-4km E	Recorded	2 1 2 4 1 1 2 2	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion Muzzle flash Projectile	WSW to ENE N to S NNW to SSE Undetermined WSW to ENE	N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 22:21 6-Oct, 22:22
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE 2-4km ENE 2-4km ENE 2-4km ENE	Recorded	2 1 2 4 1 1 2 2 2	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion Muzzle flash Projectile Projectile	WSW to ENE N to S NNW to SSE Undetermined WSW to ENE NW to SE	N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 22:21 6-Oct, 22:22 6-Oct, 22:51
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE 2-4km ENE 2-4km ENE 2-4km E 2-4km E	Recorded	2 1 2 4 1 1 2 2 2 2 5	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion Muzzle flash Projectile Projectile Projectile	WSW to ENE N to S NNW to SSE Undetermined WSW to ENE NW to SE NNW to SSE	N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 22:21 6-Oct, 22:22 6-Oct, 22:51 6-Oct, 23:00
	2-4km ESE 2-4km ENE 2-4km ESE 2-4km ESE 2-4km E 2-4km ENE 2-4km ENE 2-4km ENE 2-4km ENE 2-4km ENE	Recorded	2 1 2 4 1 1 2 2 2	Muzzle flash Projectile Muzzle flash Projectile Projectile Explosion Muzzle flash Projectile Projectile	WSW to ENE N to S NNW to SSE Undetermined WSW to ENE NW to SE	N/K	6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:27 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 21:33 6-Oct, 22:21 6-Oct, 22:22 6-Oct, 22:51

2-4km E Recorded 20 Projectile SSW to NNE N/K 6-Oct, 23	1	2-4km E	Recorded	11	Projectile	NNW to SSE	N/K	6-Oct, 23:01
2-4km E Recorded 14 Projectile NW to SS NK 6-Oct, 23			1					
2-4km E Recorded 1 Projectile NW to SSE NK 6-Oct, 23					· J · · · ·			
2-4km E		2-4km E	Recorded		Projectile	SSW to NNE	N/K	6-Oct, 23:05
2-4km ENE		2-4km E	Recorded	14	Projectile	NNW to SSE	N/K	6-Oct, 23:05
2-4km ENE		2-4km E	Recorded	8	Projectile	WNW to ESE	N/K	6-Oct, 23:06
2-4km ENE								1
2-4km ENE			1					
2-4km ENE					3	S to N		1
Projectile		2-4km ENE	Recorded	2	Muzzle flash		N/K	6-Oct, 23:29
Projectile		2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	6-Oct, 23:33
Part		2-4km ENE	Recorded	1	Projectile	NW to SE		
SMM camera in Kriakivka (government-controlled, 2-5km SW Recorded 1 Projectile ENE to WSW N/K 6-Oct, 02:								
SMM camera in Kranohorivka (government-controlled, 21km W of Donetsk) 2-5km SE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 02: Mrs 6-Oct, 02								
In Krasnohorivka (government-controlled, 21km W of Donetsk)			1					
Sample Controlled Control	SMM camera	2-5km SE	Recorded	3	Projectile	WSW to ENE	N/K	6-Oct, 02:57
Qovernment-controlled, 2-5km SE Recorded 2 Projectile ENE to WSW N/K 7-Oct, 03:	in	2-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 02:57
2-5km SE	(government- controlled, 21km W of	2-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	7-Oct, 03:02
2-5km SE	,	2-5km SE	Recorded	1	Burst	(approximately 13 rounds)	N/K	6-Oct, 19:06
2-5km SW						(approximately 14 rounds)		6-Oct, 19:07
1-2.5km SW								6-Oct, 19:12
in Kriakivka (government-controlled, 38km NW of Luhansk) 1-2.5km SW Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 1-2.5km SW Recorded 2 Projectile NW to SE N/K 6-Oct, 22: 1-2.5km SW Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 1-2.5km SW Recorded 2 Explosion Undetermined N/K 6-Oct, 22: 1-2.5km SW Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 1-2.5km SW Recorded 2 Explosion Undetermined N/K 6-Oct, 23: 1-2.5km SW Recorded 1 Projectile NNW to SE N/K 6-Oct, 23: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 6-Oct, 23: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 6-Oct, 23: 3-5km ENE Recorded 8 Projectile NW to SE N/K 6-Oct, 20: 3-5km NE Recorded 8 Projectile NW to SE N/K 6-Oct, 20: 3-5km NE Recorded 2 Explosion Undetermined N/K 6-Oct, 21: 3-5km NE Recorded 1 Projectile NW to SE N/K 6-Oct, 21: 3-5km NE Recorded 2 Explosion Undetermined N/K 6-Oct, 21: 3-5km NE Recorded 1 Projectile NW to SE N/K 6-Oct, 21: 3-5km NE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 1 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 1 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 3-5km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illu		2-5km SW	Recorded	3	Projectile	E to W	N/K	6-Oct, 19:12
In Kriakivka (government-controlled, 38km NW of Luhansk)		1-2.5km SW	Recorded	2.	Explosion	Undetermined	N/K	6-Oct. 21:23
	in Kriakivka							
1-2.5km SW	(government-							
1-2.5km SW	·C							
Luhansk) 1-2.5km Recorded 1 Explosion Undetermined N/K 6-Oct, 22:	,							6-Oct, 22:08
1-2.5km SW Recorded 1 Explosion Undetermined N/K 6-Oct, 22: -2.5km SW Recorded 2 Projectile NNW to SSE N/K 6-Oct, 23: -2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: -2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: -2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: -2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: -2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: -2.5km SW Recorded 2 Illumination In vertical flight N/K 7-Oct, 02: -2.5km SW Recorded 1 Muzzle flash N/K 6-Oct, 20: -2.5km SW Recorded 8 Projectile NW to SE N/K 6-Oct, 21: -2.5km SW Recorded 8 Projectile NW to SE N/K 6-Oct, 21: -2.5km SW Recorded 2 Explosion Undetermined N/K 6-Oct, 21: -2.5km SW Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km SW Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km SW Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km SW Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: -2.5km ENE Recorded 3 Projectile WSW to ENE N/K 6-Oct, 21: -2.5km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 22: -2.5km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: -2.5km ENE Recorded		1-2.5km SW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 22:15
1-2.5km SW Recorded 2 Projectile NNW to SSE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 2 Illumination In vertical flight N/K 7-Oct, 02: 1-2.5km SW Recorded 1 Muzzle flash N/K 6-Oct, 20: 3-5km ENE Recorded 8 Projectile NW to SE N/K 6-Oct, 20: 3-5km NE Recorded 6 Projectile NW to SE N/K 6-Oct, 21: 3-5km NE Recorded 2 Explosion Undetermined N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 21: 3-5km ENE Recorded 3 Projectile ENE to WSW N/K 6-Oct, 23: 3-6km ENE Recorded 4 Projectile SE to NW N/K 6-Oct, 23: 3-6km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E	Lunansk)		Recorded		Explosion	Undetermined	N/K	6-Oct, 22:36
1-2.5km SW Recorded 2 Projectile NNW to SSE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 2 Illumination In vertical flight N/K 7-Oct, 02: 1-2.5km SW Recorded 1 Muzzle flash N/K 6-Oct, 20: 3-5km ENE Recorded 8 Projectile NW to SE N/K 6-Oct, 20: 3-5km NE Recorded 6 Projectile NW to SE N/K 6-Oct, 21: 3-5km NE Recorded 2 Explosion Undetermined N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 21: 3-5km ENE Recorded 3 Projectile ENE to WSW N/K 6-Oct, 23: 3-6km ENE Recorded 4 Projectile SE to NW N/K 6-Oct, 23: 3-6km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E		1-2.5km SW	Recorded	8	Muzzle flash		N/K	6-Oct, 22:44
1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 1 Projectile NW to SE N/K 7-Oct, 01: 1-2.5km SW Recorded 2 Illiumination flare In vertical flight N/K 7-Oct, 02: 1 N/K 6-Oct, 20: 3-5km ENE Recorded 8 Projectile NW to SE N/K 6-Oct, 20: 3-5km NE Recorded 6 Projectile NW to SE N/K 6-Oct, 21: 3-5km NE Recorded 2 Explosion Undetermined N/K 6-Oct, 21: 3-5km NE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 3 Projectile ENE to WSW N/K 6-Oct, 21: 3-6km ENE Recorded 3 Projectile SE to NW N/K 6-Oct, 23: 3-6km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 3-6km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 3-6km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 3-6km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 23: 3-6km ENE Recorded 1 Explosion Undetermined N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 3-2km ENE Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 3-2km ENE Recorded 1 Illumination In vertic			Recorded		Projectile	NNW to SSE	N/K	6-Oct, 23:18
1-2.5km SW								
1-2.5km SW Recorded 2 Illumination flare In vertical flight N/K 7-Oct, 02:								
SMM camera E of Lomakyne (government-controlled, 15km NE Becorded 1		1-2.3KIII 3 W	Recorded	1		NW 10 SE	IN/IX	7-Oct, 01:43
SMM camera E of Lomakyne (government- controlled, 15km NE of Mariupol) SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 4-7km E Recorded 4-7km E Recorded 1 Recorded 1 Recorded 2 Projectile NW to SE N/K 6-Oct, 20: Explosion Undetermined N/K 6-Oct, 21: SMM to SE N/K 6-Oct, 21: NW to SE N/K 6-O					flare	In vertical flight		7-Oct, 02:00
E of Lomakyne (government-controlled, 15km NE								6-Oct, 20:43
E of Lomakyne (government-controlled, 15km NE	SMM camera	3-5km ENE	Recorded	8	Projectile	NW to SE	N/K	6-Oct, 20:46
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) SMM E			Recorded	6	Projectile		N/K	6-Oct, 21:30
(government-controlled, 15km NE of Mariupol) 3-5km ENE Recorded 2 Projectile NW to SE N/K 6-Oct, 21: 3-5km ENE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 21: 3-5km ENE Recorded 3 Projectile ENE to WSW N/K 6-Oct, 23: 3-6km NE Recorded 6 Projectile SE to NW N/K 6-Oct, 23: 3-6km ENE Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 1llumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination fla					, ,			
controlled, 15km NE of Mariupol) 3-5km ENE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 21: 3-6km NE Recorded 3 Projectile ENE to WSW to ENE N/K 6-Oct, 23: 3-6km ENE Recorded 6 Projectile SE to NW N/K 6-Oct, 23: 3-6km ENE Recorded 1 Illumination flare 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 1llumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N	•				•			
3-5km ENE Recorded 2 Projectile ENE to WSW N/K 6-Oct, 21:								
Mariupol) 3-6km NE Recorded 3 Projectile WSW to ENE N/K 6-Oct, 23: 3-6km ENE Recorded 6 Projectile SE to NW N/K 6-Oct, 23: 2-4km ENE Recorded 1 Illumination flare 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) Recorded 1 Illumination flare Recorded 1 Illumination flare 1 Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 23:								
3-6km ENE Recorded 6 Projectile SE to NW N/K 6-Oct, 23: 2-4km ENE Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 19: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 22: 1 Illumination flare In vertical flight N/K 6-Oct, 23: 1 Illumination flare In vertical flight N/K 6-Oct, 23: 1 Illumination flare In vertical flight N/K 6-Oct, 23: 1 Illumination flare In vertical flight N/K 6-Oct, 23: 1 Illumination flare In vertical flight N/K 6-Oct, 23:					3			6-Oct, 21:56
3-6km ENE Recorded 6 Projectile SE to NW N/K 6-Oct, 23: 2-4km ENE Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 19: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23:	Mariupol)			3	Projectile	WSW to ENE	N/K	6-Oct, 23:43
2-4km ENE Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 19: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23:		3-6km ENE	Recorded	6	Projectile	SE to NW	N/K	6-Oct, 23:43
4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) 4-7km E Recorded 1 Explosion Undetermined N/K 6-Oct, 21: Recorded 1 Explosion Undetermined N/K 6-Oct, 21: Illumination flare In vertical flight N/K 6-Oct, 22: Illumination flare In vertical flight N/K 6-Oct, 23: Illumination flare In vertical flight N/K 6-Oct, 23: Illumination flare In vertical flight N/K 6-Oct, 23:					Illumination			6-Oct, 19:19
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 4-7km E Recorded 1 Illumination flare (government-controlled, 4-7km E Recorded 1 Illumination flare Illumination flare 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare Illumination flare		4-7km E	Recorded	1		Undetermined	N/K	6-Oct, 21:25
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination Illumina			1					
checkpoint in Maiorsk (government-controlled, 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00:					Illumination	İ		6-Oct, 21:26 6-Oct, 22:52
(government-controlled, 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 22: 45km NE of Donetsk) 4-7km E Recorded 1 Illumination flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct, 00:	checkpoint in	4-7km E	Recorded	1	Illumination	In vertical flight	N/K	6-Oct, 22:57
Donetsk) 4-7km E Recorded 1 flare In vertical flight N/K 6-Oct, 23: 4-7km E Recorded 1 Illumination In vertical flight N/K 7-Oct 00:	(government- controlled,	4-7km E	Recorded	1	Illumination	In vertical flight	N/K	6-Oct, 22:58
1 4-7km H Recorded		4-7km E	Recorded	1		In vertical flight	N/K	6-Oct, 23:02
		4-7km E	Recorded	1	flare	In vertical flight	N/K	7-Oct, 00:25
4-7km ESE Recorded 1 Illumination flare In vertical flight N/K 7-Oct, 01:		4-7km ESE	Recorded	1		In vertical flight	N/K	7-Oct, 01:23

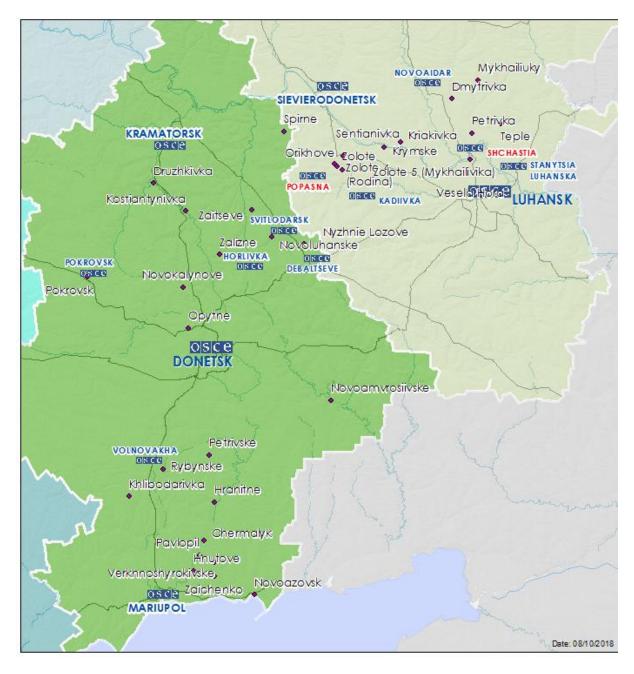
	·	T		l =	T	T	T = 0 = 0 = 0 = 0
	2-5km ESE	Recorded	1	Explosion	Undetermined	N/K	7-Oct, 03:04
	2-4km S	Recorded	1	Projectile	E to W	N/K	6-Oct, 18:58
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 18:58
	2-4km S	Recorded	8	Projectile	In vertical flight	N/K	6-Oct, 19:27
	3-6km SSW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 20:58
	3-6km SSW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 21:03
	3-6km SSW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 21:05
	3-6km SSW	Recorded		Explosion	Undetermined	N/K	6-Oct, 21:07
SMM camera	3-6km SSW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 21:08
at entry-exit	3-6km SSW	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 21:09
checkpoint in	3-6km SSE	Recorded	3	Projectile	E to W	N/K	6-Oct, 21:26
Pyshchevyk	3-6km SSE	Recorded	1	Projectile	NW to SE	N/K	6-Oct, 21:27
(government-	3-6km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 22:22
controlled,	3-6km SSE	Recorded	1	Muzzle flash	W/ F	N/K	6-Oct, 22:22
25km NE of	3-6km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 22:36
Mariupol)	3-6km SSE	Recorded	19	Projectile	NW to SE	N/K	6-Oct, 23:43
	3-6km SSE	Recorded	5	Projectile	WNW to ESE	N/K	7-Oct, 00:57
	N/K SSE	Recorded	1	Explosion	Undetermined	N/K	7-Oct, 00:57
	N/K SSE	Recorded	1	Illumination flare	In vertical flight	N/K	7-Oct, 00:57
	N/K SSE	Recorded	11	Projectile	NW to SE	N/K	7-Oct, 01:05
	N/K SSE	Recorded	1	Projectile	E to W	N/K	7-Oct, 01:05
	N/K SSE	Recorded	2	Projectile	SSE to NNW	N/K	7-Oct, 01:13
	N/K SSE	Recorded	1	Projectile	E to W	N/K	7-Oct, 01:32
C) D I	2-4km E	Recorded	2	Burst	In vertical flight	N/K	6-Oct, 19:30
SMM camera	2-4km E	Recorded	3	Projectile	SW to NE	N/K	6-Oct, 19:31
in Svitlodarsk	3-5km E	Recorded	2	Projectile	N to S	N/K	7-Oct, 02:40
(government- controlled,	3-5km E	Recorded	4	Projectile	NNW to SSE	N/K	7-Oct, 03:42
57km NE of	3-5km E	Recorded	3	Projectile	S to N	N/K	7-Oct, 04:06
Donetsk)	3-5km E	Recorded	3	Projectile	NNW to SSE	N/K	7-Oct, 04:11
Dolletsk)	3-5km E	Recorded	4	Projectile	S to N	N/K	7-Oct, 04:41
SMM camera in Zolote (government- controlled, 60km W of Luhansk)	4-5km SSW	Recorded	3	Burst	Assessed as outside the disengagement area	N/K	6-Oct, 19:08
2.6km SW of	3-4km S	Heard	1	Explosion	Undetermined	N/K	7-Oct, 10:10
Avdiivka (government- controlled, 17km N of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	7-Oct, 10:29
1.8km N of Petrivske (non-	2-3km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Oct, 10:22
government- controlled, 41km S of Donetsk)	0.5-1km NW	Heard and saw	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	7-Oct, 11:24
1.1km NW of	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 09:31
railway station	2-3km SW	Heard	11	Burst		HMG	7-Oct, 09:39
in Yasynuvata	2km SW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:10
(non- government-	2km SW	Heard	11	Shot		Small arms	7-Oct, 11:08- 11:10
controlled,	2-3km SW	Heard	5	Burst		HMG	7-Oct, 14:45
16km NE of Donetsk)	2-3km SW	Heard	20	Shot		Small	7-Oct, 14:45
						arms Mortar	
Pavlopil (government- controlled, 26	1km NW	Heard	2	Explosion	Outgoing	(type N/K)	7-Oct, 10:28
km NE of	2-3km NE	Heard	2	Explosion	Subsequent	Mortar	7-Oct, 10:28
KIII INE UI	2-JAIII INE	Healu		Explosion	Subsequent	wiortar	/-Oct, 10:28

Mariupol)					impact	(type N/K)	
	1km NW	Heard	2	Explosion	Outgoing	Mortar (type N/K)	7-Oct, 10:35- 10:37
	2-3km NE	Heard	2	Explosion	Subsequent impact	Mortar (type N/K)	7-Oct, 10:35- 10:37
	N/K ENE	Heard	1	Explosion	Undetermined	N/K	7-Oct, 13:35- 13:55
	N/K ENE	Heard	6	Burst		HMG	7-Oct, 13:35- 13:58
1km NW of Pavlopil (government- controlled, 26 km NE of Mariupol)	2-4km ENE	Heard	5	Explosion	Undetermined	N/K	7-Oct, 14:05
2km NNW of Pavlopil (government- controlled, 26 km NE of Mariupol)	1-2km ENE	Heard	20	Shot		Small arms	7-Oct, 14:15- 14:17
Entry-exit checkpoint in	N/K SW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 13:25- 13:30
Pyshchevyk (government-	N/K S	Heard	2	Explosion	Undetermined	N/K	7-Oct, 13:25- 13:30
controlled, 25 km NE of Mariupol)	N/K S	Heard	2	Burst		HMG	7-Oct, 13:25- 13:30
	3-4km SE	Heard	2	Burst		HMG	6-Oct, 19:07
	4-5km SE	Heard	6	Shot		Small arms	6-Oct, 21:28
	3-4km NW	Heard	10	Burst		HMG	6-Oct, 21:38
	5-7km S	Heard	2	Explosion	Undetermined	N/K	6-Oct, 22:30- 22:35
	2-3km S	Heard	3	Burst		HMG	6-Oct, 22:30- 22:35
	5-7km S	Heard	1	Explosion	Undetermined	N/K	6-Oct, 22:35
	5-7km W	Heard	25	Burst		HMG	6-Oct, 23:07- 23:10
	5-7km SE	Heard	8	Burst		HMG	6-Oct, 23:10
	5-7km W	Heard	29	Burst		HMG	6-Oct, 23:20- 23:30
Svitlodarsk (government-	5-7km W	Heard	5	Burst		HMG	6-Oct, 23:38
controlled,	2-3km SE	Heard	37	Burst		HMG	6-Oct, 23:41- 23:45
57km NE of Donetsk)	5-7km SE	Heard	1	Explosion	Undetermined	N/K	6-Oct, 23:51
Donetsk)	3-4km E	Heard	3	Shot		Small arms	7-Oct, 18:00
	3-4km E	Heard	4	Burst		HMG	7-Oct, 18:00
	3-4km E	Heard	4	Explosion	Undetermined	N/K Small	7-Oct, 18:00 7-Oct, 18:13-
	3-4km E	Heard	10	Burst		arms	18:14
	3-4km E	Heard	5	Explosion	Undetermined	N/K	7-Oct, 18:13- 18:14
	5-6km W	Heard	6	Explosion	Undetermined	N/K	7-Oct, 18:16- 18:18
	2-3km W	Heard	10	Burst		Small arms	7-Oct, 18:16- 18:18
	5-6km W	Heard	15	Explosion	Undetermined	N/K	7-Oct, 18:20- 18:30
Horlivka (non- government-	2-3km W	Heard	6	Explosion	Undetermined	N/K	7-Oct, 03:00- 03:07

controlled,	2-3km W	Heard	1	Explosion	Undetermined	N/K	7-Oct, 03:12-
39km NE of Donetsk)	3-4km W	Heard	10	Explosion	Undetermined	N/K	03:13 7-Oct, 03:33-
				_			04:35 7-Oct, 04:30-
	4-5km W	Heard	7	Explosion	Undetermined	N/K	04:45
NW edge of Horlivka (non- government controlled, 39km NE of Donetsk)	2-3km N	Heard	2	Burst		Small arms	7-Oct, 09:26
1.6km SSE of Kamianka	0.5-0.7km SE	Heard	3	Shot		Small arms	7-Oct, 09:01
(government- controlled,	0.6-0.7km SE	Heard	4	Shot		Small arms	7-Oct, 09:06
20km N of Donetsk)	1.5-2km S	Heard	11	Burst		HMG	7-Oct, 09:38
	3km E	Heard	1	Explosion	Undetermined	N/K	7-Oct, 09:49
2km WSW of	2km E	Heard	1	Explosion	Undetermined	N/K	7-Oct, 10:01
Zalizne	2km E	Heard	1	Burst		HMG	7-Oct, 10:01
(government-	2km SSE	Heard	7	Shot		Small arms	7-Oct, 12:25
controlled,	4km SSE	Heard	4	Explosion	Undetermined	N/K	7-Oct, 12:33
42km north-					Chacterinnica	Small	
east of Donetsk)	2km SSE	Heard	1	Shot		arms	7-Oct, 12:45
Donetsk)	1.5km SSE	Heard	7	Shot		Small	7-Oct, 12:52-
						arms	12:59
2.5km SW of	2-3km NNE	Heard	3	Shot	Assessed as inside the disengagement area	Small arms	7-Oct, 09:05
Stanytsia Luhanska bridge (15km NE of	2-3km NNE	Heard	2	Shot	Assessed as inside the disengagement area	Small arms	7-Oct, 09:09
Luhansk)	2-3km E	Heard	10	Shot	Assessed as outside the disengagement area	Small arms	7-Oct, 09:11- 09:14
NW edge of Holubivske (non- government- controlled, 51km W of Luhansk)	1-2km N	Heard	2	Burst		Small arms	7-Oct, 10:59
S edge of Trokhizbenka (government- controlled, 32km NW of Luhansk)	5-7km SW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:28
N edge of the Zolote disengagement area (government- controlled, 60km W of Luhansk)	1-2km SE	Heard	6	Shot	Assessed as inside the disengagement area	Small arms	7-Oct, 11:53- 11:54
NE edge of Zolote- 3/Stakhanovets (government- controlled,	1-4km SE	Heard	7	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	7-Oct, 12:22- 12:28

61km W of				
Luhansk)				

Map of Donetsk and Luhansk regions²



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 based on recommendations of security experts from participating States as well as SMM security considerations).