SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km SE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Oktiabr cameras)	N/K	5-Jul, 22:24
	4-6km SSE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Oktiabr cameras)	N/K	5-Jul, 23:21
SMM camera in Avdiivka (government- controlled, 17km	4-6km SSE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Oktiabr cameras)	N/K	5-Jul, 23:48
N of Donetsk)	4-6km SSE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Oktiabr cameras)	N/K	6-Jul, 00:00
	4-6km SSE	Recorded	6	Projectile	In vertical flight (also recorded by DFS camera)	N/K	6-Jul, 01:56
	4-6km SSE	Recorded	5	Projectile	In vertical flight (also recorded by DFS camera)	N/K	6-Jul, 01:59
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	5-Jul, 22:17
	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	5-Jul, 22:17
	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	5-Jul, 22:18
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	5-Jul, 22:27
	2-4km S	Recorded	1	Muzzle flash		N/K	5-Jul, 22:54
SMM camera in Chermalyk	2-4km S	Recorded	1	Projectile	WSW to ENE (subsequent to previous event.)	N/K	5-Jul, 22:54
(government- controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	5-Jul, 22:54
(1) of manupol)	2-4km S	Recorded	3	Projectile	WSW to ENE	N/K	6-Jul, 00:15
	2-4km S	Recorded	8	Projectile	WSW to ENE	N/K	6-Jul, 00:16
	2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	6-Jul, 00:16
	2-4km S	Recorded	1	Explosion	Impact	N/K	6-Jul, 00:16
	2-4km S	Recorded	1	Explosion Drain stills	Undetermined	N/K	6-Jul, 01:08
	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	6-Jul, 03:03
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	6-Jul, 03:03
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW 2-4km SSW	Recorded Recorded	1 2	Projectile Projectile	In vertical flight W to E	N/K N/K	5-Jul, 21:40 5-Jul, 21:40
	2-4km SSW	Recorded	1	Illumination flare	In vertical flight (also recorded by Oktiabr and Avdiivka cameras)	N/K	5-Jul, 21:40
	1-2km S	Recorded	3	Projectile	NW to SE	N/K	5-Jul, 22:36

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

	•						
					In vertical flight		
	2.41 0.0337	D 11	1	T11 · .·	(also recorded	NI/IZ	5 1 1 22 21
	2-4km SSW	Recorded	1	Illumination flare	by Oktiabr and Avdiivka	N/K	5-Jul, 23:21
					cameras)		
	2-4km SSW	Recorded	3	Projectile	NW to SE	N/K	5-Jul, 23:24
	1-2km S	Recorded	3	Projectile	NW to SE	N/K	5-Jul, 23:38
	1-2km S	Recorded	1	Projectile	N to S	N/K	5-Jul, 23:43
	1-2km S	Recorded	2	Projectile	NW to SE	N/K	5-Jul, 23:43
	1 21011 5	Recorded		Tiojeenie	In vertical flight	1.0.11	5 541, 25.15
					(also recorded		
	2-4km SSW	Recorded	1	Illumination flare	by Oktiabr and	N/K	5-Jul, 23:48
					Avdiivka		,
					cameras)		
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	5-Jul, 23:51
	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	5-Jul, 23:51
	2-4km SSW	Recorded	7	Projectile	WNW to ESE	N/K	5-Jul, 23:53
	2-4km SSW	Recorded	1	Muzzle flash		N/K	5-Jul, 23:53
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	5-Jul, 23:55
					In vertical flight		
					(also recorded		
	2-4km SSW	Recorded	1	Illumination flare	by Oktiabr and	N/K	6-Jul, 00:00
					Avdiivka		
					cameras)		
	2-4km SSW	Recorded	4	Projectile	NW to SE	N/K	6-Jul, 00:14
	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	6-Jul, 00:16
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	6-Jul, 01:35
	2-4km SSW	Recorded	5	Projectile	W to E	N/K	6-Jul, 01:41
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	6-Jul, 01:56
					W to E (also		
	2-4km SSW	Recorded	6	Projectile	recorded by	N/K	6-Jul, 01:56
				5	Avdiivka		,
	2-4km SSW	Recorded	1	Projectile	camera) NW to SE	N/K	6-Jul, 01:58
	2-4KIII 55 W	Recorded	1	Projectile	W to E (also	IN/ K	0-Jul, 01:38
					recorded by		
	2-4km SSW	Recorded	5	Projectile	Avdiivka	N/K	6-Jul, 01:59
					camera)		
	2-4km SSW	Recorded	2	Projectile	N to S	N/K	6-Jul, 01:59
	2-4km SSW	Recorded	2	Projectile	N to S	N/K	6-Jul, 02:03
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 02:05
	2-4km SSW	Recorded	13	Projectile	WNW to ESE	N/K	6-Jul, 02:07
	2-4km E	Recorded	22	Projectile	NW to SE	N/K	5-Jul, 22:11
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	5-Jul, 22:12
	2-4km E	Recorded	5	Projectile	NNW to SSE	N/K	5-Jul, 22:12
	2-4km E	Recorded	3	Projectile	NNW to SSE	N/K	5-Jul, 22:16
	2-4km E	Recorded	21	Projectile	NNW to SSE	N/K	5-Jul, 22:17
	2-4km E	Recorded	5	Projectile	NW to SE	N/K	5-Jul, 23:24
SMM camera	2-4km E	Recorded	1	Muzzle flash		N/K	5-Jul, 23:30
1.5km NE of	2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	5-Jul, 23:30
Hnutove	2-4km E	Recorded	34	Projectile	NNW to SSE	N/K	5-Jul, 23:33
(government-	2-4km E	Recorded	1	Projectile	NW to SE	N/K	5-Jul, 23:47
controlled, 20km NE of Mariupol)	2-4km E	Recorded	24	Projectile	NW to SE	N/K	6-Jul, 00:13
THE OF Mariupor)	2-4km E	Recorded	1	Explosion	Undetermined	N/K	6-Jul, 00:15
	2-4km E	Recorded	16	Projectile	NW to SE	N/K	6-Jul, 00:15
	2-4km E	Recorded	3	Projectile	SW to NE	N/K	6-Jul, 01:52
	2-4km E	Recorded	16	Projectile	W to E	N/K	6-Jul, 01:57
	2-4km E	Recorded	21	Projectile	W to E	N/K	6-Jul, 02:01
	3-5km ESE	Recorded	2	Projectile	SW to NE	N/K	6-Jul, 03:05
SMM camera in							
Hranitne							
(government-	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	6-Jul, 01:37
	1	1	1	1	1	1	1
controlled, 60km							
controlled, 60km S of Donetsk) SMM camera in	1-3km SSE	Recorded	2	Projectile	NE to SW	N/K	5-Jul, 21:05

Vroanahanivila							
Krasnohorivka							
(government-							
controlled, 21km W of Donetsk)							
w of Donetsk)	2-4km S	Recorded	2	Projectile	NW to SE	N/K	5 Jul 22.05
	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	5-Jul, 22:05 5-Jul, 22:06
	-					N/K N/K	
	2-4km SSW	Recorded	1	Explosion Due is stille	Undetermined		5-Jul, 22:06
	2-4km SSW	Recorded	2	Projectile	In vertical flight	N/K	5-Jul, 22:08
	2-4km SSW	Recorded	1	Explosion	Impact	N/K	5-Jul, 22:10
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	5-Jul, 22:10
	2-4km SSW	Recorded	4	Projectile	SE to NW	N/K	5-Jul, 22:12
	2-4km SSW	Recorded	4	Projectile	NW to SE	N/K	5-Jul, 22:12
	2-4km SSW	Recorded	1	Muzzle flash		N/K	5-Jul, 22:14
	2-4km SSW	Recorded	1	Projectile	NW to SE	N/K	5-Jul, 22:16
SMM camera in	2-4km SSW	Recorded	1	Projectile	NW to SE	N/K	5-Jul, 22:16
Kriakivka (government-	2-4km SSW	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	5-Jul, 22:16
controlled, 38km	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	5-Jul, 22:20
NW of Luhansk)	2-4km SSW	Recorded	5	Explosion	Undetermined	N/K	5-Jul, 22:20
	2-4km SSW	Recorded	13	Projectile	NW to SE	N/K	5-Jul, 22:20
	2-4km SSW	Recorded	1	Projectile	NW to SE	N/K	6-Jul, 00:37
	2-4km SSW	Recorded	1	Muzzle flash		N/K	6-Jul, 00:37
	2-4KIII 55 W	Recorded	1		NW to SE	IN/IX	0-Jul, 00.40
	2-4km SSW	Recorded	1	Projectile	(subsequent to previous event)	N/K	6-Jul, 00:40
	2-4km SSW	Recorded	1	Muzzle flash		N/K	6-Jul, 00:45
	2-4km SSW	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	6-Jul, 00:45
SMM camera at	1-2km NNE	Recorded	2	Projectile	ESE to WNW	N/K	5-Jul, 22:05
entry-exit	2-4km NE	Recorded	1	Explosion	Impact	N/K	5-Jul, 22:07
checkpoint in	2-4km N	Recorded	1	Explosion	Undetermined	N/K	5-Jul, 22:48
Marinka (government- controlled, 23km SW of Donetsk)	2-4km N	Recorded	2	Explosion	Undetermined	N/K	6-Jul, 01:03
B to of D onetsky	6-8km NNE	Recorded	2	Projectile	NW to SE	N/K	5-Jul, 21:10
	6-8km NNE	Recorded	6	Projectile	NW to SE	N/K	5-Jul, 21:11
	6-8km NNE	Recorded	1	Explosion	Undetermined	N/K	5-Jul, 22:09
	6-8km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	5-Jul, 22:09
	6-8km NNE			<b>T</b> 11 1 1 01	In vertical flight	N/K N/K	5-Jul, 22:14 5-Jul, 22:16
	6-8km NNE	Recorded	1	Illumination flare	In vertical flight	N/K N/K	
		Recorded	1	Illumination flare	ě	N/K N/K	5-Jul, 22:18
	6-8km NNE 6-8km NNE	Recorded	1	Illumination flare	In vertical flight	N/K N/K	5-Jul, 22:20
SMM camera at Oktiabr mine	6-8km NE	Recorded Recorded	1	Illumination flare	In vertical flight In vertical flight (also recorded by DFS and Avdiivka cameras)	N/K	5-Jul, 22:22 5-Jul, 22:24
(non-government- controlled, 9km NW of Donetsk city centre)	6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Avdiivka cameras)	N/K	5-Jul, 23:21
	6-8km NE	Recorded	1	Illumination flare	In vertical flight.	N/K	5-Jul, 23:30
	6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and Avdiivka cameras)	N/K	5-Jul, 23:48
	6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by DFS and	N/K	6-Jul, 00:00

				Avdiivka		
6_8km NNE	Recorded	1	Illumination flare	/	N/K	6-Jul, 00:45
0-okiii ININE	Recolueu	1	Inumination nate		IN/K	0-Jul, 00.45
2-4km ESF	Recorded	1	Explosion	Impact	N/K	6-Jul, 03:00
2-4KIII LSL	Recorded	1	Explosion	Impact	11/1	0- <b>J</b> ul, 05.00
3-5km S	Recorded	1	Projectile	W to F	N/K	5-Jul, 21:21
			5			5-Jul, 21:40
	Recorded	6			N/K	5-Jul, 21:42
3-5km SSE	Recorded	1	Projectile	E to W	N/K	5-Jul, 22:10
2-4km SSE	Recorded	24	Projectile	ENE to WSW	N/K	5-Jul, 22:11
		5		ENE to WSW		5-Jul, 22:12
						5-Jul, 22:16
		-	U U			5-Jul, 22:17
						5-Jul, 22:17
		-				5-Jul, 22:18
						5-Jul, 23:33 5-Jul, 23:34
			U U			6-Jul, 23.34
						6-Jul, 00:13
						6-Jul, 00:15
		-				6-Jul, 00:16
						6-Jul, 00:16
		-				6-Jul, 00:16
						6-Jul, 00:36
		1				6-Jul, 01:08
		3				6-Jul, 01:26
3-5km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 01:26
2-4km SSE	Recorded	8	Projectile	W to E	N/K	6-Jul, 01:57
2-4km S	Recorded	4	Projectile	WNW to ESE	N/K	6-Jul, 02:09
	Recorded	4	Projectile	W to E	N/K	6-Jul, 02:02
						6-Jul, 02:08
						6-Jul, 02:13
						6-Jul, 02:13
			5			6-Jul, 02:14
		-				6-Jul, 02:18
						6-Jul, 02:25
						6-Jul, 02:26
				WIDE		6-Jul, 02:38 6-Jul, 02:38
				W to F		6-Jul, 02:48
						6-Jul, 02:40
						6-Jul, 03:04
		1				6-Jul, 03:04
						6-Jul, 03:05
						6-Jul, 03:10
2-4km S	Recorded	6	Projectile	W to E	N/K	6-Jul, 03:15
2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 03:15
2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 03:32
2-4km S	Recorded	2	Projectile	W to E	N/K	6-Jul, 03:33
2-4km S	Recorded	1	Muzzle flash		N/K	6-Jul, 03:33
2-4km SE	Heard	1	Explosion	Undetermined	N/K	6-Jul, 09:00
1-2km S	Heard	1	Burst		Small	6-Jul, 11:10
					arms	· ·
	Heard		Explosion			6-Jul, 12:16
2-4km SE	Heard	2	Explosion	Undetermined	N/K	6-Jul, 12:54
3.5km MME	Haard	1	Explosion	Undetermined	N/F	6 101 00.42
5-JKIII ININE	nearu	1	Explosion	Undetermined	1N/ <b>K</b>	6-Jul, 08:42
	1	1	1	1		
	2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 3-5km S 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km S 3-5km S 3-5km S 3-5km S 3-5km S 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km S 2-4km S 3-5km S	2-4km ESERecorded3-5km SRecorded2-4km SSERecorded2-4km SSERecorded3-5km SRecorded3-5km S <t< td=""><td>2-4km ESERecorded13-5km SRecorded12-4km SSERecorded272-4km SSERecorded63-5km SSERecorded12-4km SSERecorded242-4km SSERecorded22-4km SSERecorded22-4km SSERecorded62-4km SSERecorded12-4km SSERecorded13-5km SRecorded12-4km SSERecorded12-4km SSERecorded33-5km SRecorded12-4km SSERecorded43-5km SRecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SRecorded13-5km SRecorded1<trr>3-5km SRecorded1<!--</td--><td>2-4km ESERecorded1Explosion3-5km SRecorded27Projectile2-4km SSERecorded27Projectile2-4km SSERecorded1Projectile2-4km SSERecorded24Projectile2-4km SSERecorded24Projectile2-4km SSERecorded5Projectile2-4km SSERecorded6Projectile2-4km SSERecorded6Projectile2-4km SSERecorded1Projectile2-4km SSERecorded10Projectile2-4km SSERecorded10Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded3Projectile2-4km SSERecorded1Explosion3-5km SRecorded1Projectile2-4km SSRecorded3Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile<td>6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile&lt;</td><td>6-8km NNE     Recorded     1     Illumination flare     In vertical flight     N/K       2-4km ESE     Recorded     1     Explosion     Impact     N/K       3-5km S     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     27     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     1     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     24     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     5     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     6     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE</td></td></trr></td></t<>	2-4km ESERecorded13-5km SRecorded12-4km SSERecorded272-4km SSERecorded63-5km SSERecorded12-4km SSERecorded242-4km SSERecorded22-4km SSERecorded22-4km SSERecorded62-4km SSERecorded12-4km SSERecorded13-5km SRecorded12-4km SSERecorded12-4km SSERecorded33-5km SRecorded12-4km SSERecorded43-5km SRecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SRecorded13-5km SRecorded1 <trr>3-5km SRecorded1<!--</td--><td>2-4km ESERecorded1Explosion3-5km SRecorded27Projectile2-4km SSERecorded27Projectile2-4km SSERecorded1Projectile2-4km SSERecorded24Projectile2-4km SSERecorded24Projectile2-4km SSERecorded5Projectile2-4km SSERecorded6Projectile2-4km SSERecorded6Projectile2-4km SSERecorded1Projectile2-4km SSERecorded10Projectile2-4km SSERecorded10Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded3Projectile2-4km SSERecorded1Explosion3-5km SRecorded1Projectile2-4km SSRecorded3Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile<td>6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile&lt;</td><td>6-8km NNE     Recorded     1     Illumination flare     In vertical flight     N/K       2-4km ESE     Recorded     1     Explosion     Impact     N/K       3-5km S     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     27     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     1     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     24     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     5     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     6     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE</td></td></trr>	2-4km ESERecorded1Explosion3-5km SRecorded27Projectile2-4km SSERecorded27Projectile2-4km SSERecorded1Projectile2-4km SSERecorded24Projectile2-4km SSERecorded24Projectile2-4km SSERecorded5Projectile2-4km SSERecorded6Projectile2-4km SSERecorded6Projectile2-4km SSERecorded1Projectile2-4km SSERecorded10Projectile2-4km SSERecorded10Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded3Projectile2-4km SSERecorded1Explosion3-5km SRecorded1Projectile2-4km SSRecorded3Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile <td>6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile&lt;</td> <td>6-8km NNE     Recorded     1     Illumination flare     In vertical flight     N/K       2-4km ESE     Recorded     1     Explosion     Impact     N/K       3-5km S     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     27     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     1     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     24     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     5     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     6     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE</td>	6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile<	6-8km NNE     Recorded     1     Illumination flare     In vertical flight     N/K       2-4km ESE     Recorded     1     Explosion     Impact     N/K       3-5km S     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     27     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     1     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     24     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     5     Projectile     ENE to WSW     N/K       2-4km SSE     Recorded     6     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     E to W     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE     Recorded     1     Projectile     W to E     N/K       2-4km SSE

	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 08:44
	4-6km SSW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 08:47
	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 08:52
About 1.5km NW	1-2km SSW	Heard	1	Shot		Small arms	6-Jul, 08:57
of Yasynuvata	3-4km W	Heard	1	Explosion	Undetermined	N/K	6-Jul, 09:01
(non-government- controlled, 16km NE of Donetsk)	1-2km W	Heard	5	Shot		Small arms	6-Jul, 09:03
NE OI DOIleisk)	2-3km WNW	Heard	1	Explosion	Outgoing	N/K	6-Jul, 09:08
	2-3km WNW	Heard	1	Explosion	Impact	N/K	6-Jul, 09:08
About 1km NW	4-5km W	Heard	1	Explosion	Undetermined	N/K	6-Jul, 09:25
of the railway	3-5km W	Heard	2	Explosion	Undetermined	N/K	6-Jul, 09:33-09:35
station in Yasynuvata (non-	3-6km N	Heard	3	Explosion	Undetermined	N/K	6-Jul, 09:45
government-	2-3km N	Heard	10	Shot		HMG	6-Jul, 09:46
controlled, 16km NE of Donetsk)	2-3km N	Heard	12	Shot		Small arms	6-Jul, 09:46
,	2-3km SW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 10:11
Yasynuvata Railway station	3-5km WNW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 12:05
(non-government- controlled, 16km	2-4km WNW	Heard	4	Shot		Small arms	6-Jul, 12:12
NE of Donetsk)	1-2km NW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 12:16
About 1km E of Kruta Balka (non- government- controlled, 16km N of Donetsk)	4-6km W	Heard	1	Explosion	Undetermined	N/K	6-Jul, 11:20
Marinka (government-	2-3km E	Heard	10	Explosion	Undetermined	N/K	6-Jul, 12:47-12:55
controlled, 23km SW of Donetsk)	1km E	Heard	1	Explosion	Undetermined	N/K	6-Jul, 12:55
About 3.5km NE of Heorhiievka (government- controlled, 27km SW of Donetsk)	1-2km SE	Heard and saw	1	Burst	Airburst	N/K	6-Jul, 12:54
About 1km NNE of Zaichenko (non-government- controlled, 26km NE of Mariupol)	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 11:08
Pikuzy (formerly Kominternove,	500m S	Heard	11	Shot		Small arms	6-Jul, 12:10-12:25
non-government-	500m NNW	Heard	9	Shot		Small arms	6-Jul, 12:10-12:25
controlled, 23km NE of Mariupol)	500m WNW	Heard	24	Burst		Small arms	6-Jul, 12:10-12:25
500m NNW of Pyshchevyk	3-5km NNE	Heard	32	Explosion	Undetermined	N/K	6-Jul, 13:19-13:27
(government- controlled, 25km NE of Mariupol)	4-7km WSW	Heard	7	Explosion	Undetermined	N/K	5-Jul, 20:25-20:35
<b>_</b> _ /	4-7km WSW	Heard	7	Explosion	Undetermined	N/K	5-Jul, 20:37-20:45
Svitlodarsk	4-6km SW	Heard	3	Explosion	Undetermined	N/K	5-Jul, 22:13-22:15
(government- controlled, 57km	3-5km SW	Heard	2	Explosion	Undetermined	N/K	5-Jul, 22:58-23:00
NE of Donetsk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	5-Jul, 23:18
	5-7km SW	Heard	6	Explosion	Undetermined	N/K	6-Jul, 07:59
	5-7km SW	Heard	7	Explosion	Undetermined	N/K	6-Jul, 09:02
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 11:05

Positiva (non- government- controlled, 39km)     Heard Heard     2     Persposion     Undeermined Undeermined     N/K     5-Jul, 19:25       5-7km NW     Heard     3     Explosion     Undeermined     N/K     5-Jul, 19:25       5-7km NW     Heard     1     Explosion     Undeermined     N/K     5-Jul, 19:25       5-7km NW     Heard     1     Explosion     Undeermined     N/K     5-Jul, 29:20       4-6km     Heard     1     Explosion     Undeermined     N/K     5-Jul, 20:28       4-6km     Heard     1     Burst     HMG     6-Jul, 01:39       4-6km W     Heard     1     Explosion     Undeermined     N/K     6-Jul, 02:24       5-7km     Heard     1     Explosion     Undeermined     N/K     6-Jul, 02:24       6-6km W     Heard     1     Explosion     Undeermined     N/K     6-Jul, 02:24       5-7km     Heard     1     Explosion     Undeermined     N/K     6-Jul, 02:47       7/km     Heard     1     Explosion </th <th></th> <th>2.51 GW</th> <th>TT 1</th> <th></th> <th>F 1 '</th> <th>TT 1 / 1</th> <th>NT/17</th> <th>6 1 1 17 01</th>		2.51 GW	TT 1		F 1 '	TT 1 / 1	NT/17	6 1 1 17 01
Fram NW     Heard     3     Explosion     Undetermined     N/K     5-Jul, 19-25       5.7km NW     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20-20-11       5.7km NW     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20-20-20-10       4.6km     Warw     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20-20-20-20-20-20-20-20-20-20-20-20-20-2		3-5km SW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 17:21
S-7km NW     Heard     3     Explosion     Undetermined     N/K     S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- 20:20-20:30       4-6km W     Heard     1     Explosion     Undetermined     N/K     S-1d, 20:20- 20:20-20:30       4-6km W     Heard     1     Burst     Indetermined     N/K     S-1d, 10:29.58       4-6km W     Heard     1     Burst     Indetermined     N/K     6-1d, 01:31       4-6km W     Heard     1     Burst     Indetermined     N/K     6-1d, 02:24       5-7km WW     Heard     12     Burst     Indetermined     N/K     6-1d, 02:24       5-7km WW     Heard     12     Burst     Indetermined     N/K     6-1d, 02:24       5-7km WW     Heard     3     Burst     Indetermined     N/K     6-1d, 03:30       5-7km WW     Heard     1     Explosion     Undetermined     N/K     6-1d, 03:30       5-7km SW     Heard     2     Explosion     Undetermined     N/K     6-1d, 03:30						Undetermined		
5-7km NW     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20:20       4-6km     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20:20     3-Jul, 20:28       4-6km     Heard     1     Explosion     Undetermined     N/K     5-Jul, 20:29     3-Jul, 20:29       4-6km     Heard     1     Burst     HMG     6-Jul, 01:31       4-6km     Heard     1     Burst     HMG     6-Jul, 01:24       4-6km     Heard     1     Explosion     Undetermined     N/K     6-Jul, 01:24       4-6km     Heard     1     Explosion     Undetermined     N/K     6-Jul, 01:24       5-7km     Heard     12     Burst     HMG     6-Jul, 02:47     02:25-02:26       4-6km     Heard     13     Explosion     Undetermined     N/K     6-Jul, 02:47       2-3km     Heard     1     Explosion     Undetermined     N/K     6-Jul, 03:05       7-7km     Heard     1     Explosion     Undetermined					-			5-Jul,
Horikva (non- government- controlled, 20km)     Heard     4     Burst     HMG     5-Jul, 20:29-20:30       Horikva (non- government- controlled, 20km)     Heard     1     Burst     HMG     6-Jul, 01-J1       4-6km W     Heard     1     Burst     Image: second se					-			
wnw     Heard     4     Burst     HNC     20:29-20:30 $4$ -bin     Heard     1     Explosion     Undeternined     N/K     5-Jul. 20:30 $4$ -bin     Heard     1     Burst     HMG     6-Jul. 01:41 $4$ -bin     Heard     1     Burst     HMG     6-Jul. 01:59 $4$ -bin     Heard     1     Burst     HMG     6-Jul. 02:14-02:17 $57km$ Heard     1     Explosion     Undetermined     N/K     6-Jul. 02:24-02:61 $57km$ Heard     1     Explosion     Undetermined     N/K     6-Jul. 02:24-02:51 $60$ mW     Heard     1     Explosion     Undetermined     N/K     6-Jul. 02:43-02:51 $57km$ Heard     3     Burst     Small     6-Jul. 02:43-02:51 $57km$ Heard     1     Explosion     Undetermined     N/K     6-Jul. 02:43-02:51 $57km$ Heard     1     Explosion     Undetermined     N/K     6-Jul. 02:56 $57km$ Heard<				1		Undetermined		
WNW     Heard     1     Explosion     Undetermined     N/K     6-Jul, 2/35       4-6km W     Heard     1     Burst     HMG     6-Jul, 01:41       4-6km W     Heard     1     Burst     HMG     6-Jul, 01:41       4-6km W     Heard     7     Burst     HMG     6-Jul, 02:24       5-7km     WNW     Heard     1     Explosion     Undetermined     N/K     6-Jul, 02:24       900rmmeth- controlled, 39km     Frikm     Heard     12     Burst     HMG     6-Jul, 02:47       2-3km W     Heard     13     Burst     HMG     6-Jul, 02:47       2-3km W     Heard     3     Burst     HMG     6-Jul, 02:47       2-3km W     Heard     1     Explosion     Undetermined     N/K     6-Jul, 02:47       2-3km W     Heard     1     Explosion     Undetermined     N/K     6-Jul, 02:40       4-6km NV     Heard     1     Explosion     Undetermined     N/K     6-Jul, 02:40       5-7km     WNW		WNW	Heard	4	Burst		HMG	
			Heard	1	Explosion	Undetermined	N/K	5-Jul, 20:58
			Heard	1	Burst		HMG	6-Jul, 01:41
		4-6km W	Heard	1	Burst		HMG	
		4-6km W	Heard	7	Burst		HMG	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		WNW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 02:24
			Heard	4	Burst		HMG	02:25-02:26
NE of DonetskyWNWHeard3ExplosionUndeterminedN/K6-Jul, 02:472.3km WHeard5Burstarms $6Jul, 02:47-02:51$ 4-6km WHeard3Burstarms $02:49-02:51$ 5.7kmHeard1ExplosionUndeterminedN/K $6-Jul, 03:03$ 5.7kmHeard1ExplosionUndeterminedN/K $6-Jul, 04:57$ 4.6km NWHeard2ExplosionUndeterminedN/K $6-Jul, 05:66$ 4.6km NWHeard2ExplosionUndeterminedN/K $6-Jul, 05:66$ 5.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 05:66$ 5.7kmHeard8ExplosionUndeterminedN/K $6-Jul, 17:28-17:44$ 5.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 8ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ $6-Jul, 17:28-17:48$ 95.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 96.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 106.7kmHeard8ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 2.9km8Recorded1ExplosionUndeterminedN/K $6-Jul, 02:07$ 10101010101010101010101010	``	4-6km W	Heard	12	Burst		HMG	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Heard	3	Explosion	Undetermined	N/K	6-Jul, 02:47
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2-3km W	Heard	5	Burst			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		4-6km W	Heard	3	Burst			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Heard	1	Explosion	Undetermined	N/K	6-Jul, 04:15
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		5-7km	Heard	1	Explosion	Undetermined	N/K	6-Jul, 04:57
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			Heard	2	Explosion	Undetermined	N/K	6-Jul, 07:56
$\frac{WNW}{5.7km} + Heard 7 = Explosion Undetermined N/K = 17:28-17:44 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 17:46-17:58 \\ 5.7km + Heard 7 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 1 = Explosion Undetermined N/K = 6-Jul, 09:07 \\ controlled, 20km + N/K = 2.3km S = Heard 1 = Explosion Undetermined N/K = 6-Jul, 09:07 \\ ontrolled, 20km + N/K = 5.7km SSE + Heard 1 = Explosion Undetermined N/K = 5.7km SSE + Heard 1 = Explosion Undetermined N/K = 5.7km SSE + Recorded 1 = In vertical flight (assessed as outside the disengagement area) = N/K = 5.7km (assessed as inside the disengagement area) = N/K = 6.7ul, 01:55 \\ SMM camera in Zolote (government-controlled, 60km + 2.4km SSE + Recorded 1 = Projectile + Recorded 2 = Projectile + Recorded 1 = Projectile + Recorded A = N/K = 6.7ul, 01:55 \\ 2.4km SSE + Recorded 1 = Projectile + Recorded A = Recorde A = $			Heard	2	Explosion	Undetermined	N/K	
WNWHeard8ExplosionUndeterminedN/K17:46-17:585-7km WNWHeard7ExplosionUndeterminedN/K6-Jul, 18:01-18:13About 500m Ne of Kamiaka (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 18:17-18:28About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileMNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:55SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileMSW to E (assessed as inside the disengagement area)N/K6-Jul, 02:30			Heard	7	Explosion	Undetermined	N/K	
$\frac{5.7 \text{km}}{\text{WNW}}  \text{Heard}  7  \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad \frac{6.3 \text{Ll}}{18:01-18:13} \\ \frac{5.7 \text{km}}{\text{WNW}}  \text{Heard} \qquad 8  \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad \frac{6.3 \text{Ll}}{18:01-18:13} \\ \frac{4 \text{About 500m NE}}{\text{of Kamianka}} \\ (government-controlled, 20 \text{km}}{\text{N of Donetsk}} \qquad 2.3 \text{km S} \qquad \text{Heard} \qquad 1  \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad 6.3 \text{Ll}, 09:07 \\ \frac{5.7 \text{km}}{\text{N of Donetsk}} \qquad \frac{5.7 \text{km SSE}}{\text{SMM camera in}}  \frac{8 \text{ecorded}}{1}  1  \text{Illumination flare} \qquad \text{In vertical flight} \\ \frac{6.3 \text{Gasessed as}}{(assessed as} \text{outside the} \\ \frac{6.3 \text{Gasessed as}}{(assessed as} \text{outside the} \\ \frac{2.4 \text{km SSE}}{\text{Controlled}, 60 \text{km}} \\ \text{W of Luhansk} \qquad \frac{2.4 \text{km SE}}{\text{W SE}}  \frac{\text{Recorded}}{1}  1  \frac{2}{\text{Projectile}} \qquad \frac{\text{WNW to ESE}}{(assessed as} \text{inside the} \\ \frac{6.3 \text{Gasessed as}}{\text{inside the}} \\ 6.3 \text{Gasesse$			Heard	8	Explosion	Undetermined	N/K	
5-7km WNWHeard8ExplosionUndeterminedN/K6-Jul, 18:17-18:28About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWito E (assessed as inside the disengagement area)N/K6-Jul, 02:30		5-7km	Heard	7	Explosion	Undetermined	N/K	6-Jul,
About 500m NE of Kamianka (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)6-Jul, 02:30			Heard	8	Explosion	Undetermined	N/K	
5-7km SSERecorded1Illumination flare(assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWto E (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWto E (assessed as inside the disengagement area)N/K6-Jul, 02:30	of Kamianka (government- controlled, 20km		Heard	1	Explosion	Undetermined	N/K	
SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1Projectile(assessed as inside the disengagement 		5-7km SSE	Recorded	1	Illumination flare	(assessed as outside the disengagement area)	N/K	5-Jul, 21:19
controlled, 60km W of Luhansk)2-4km SERecorded2Projectile(assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileW to E (assessed as inside the disengagement area)N/K6-Jul, 02:30		2-4km SSE	Recorded	1	Projectile	(assessed as inside the disengagement area)	N/K	6-Jul, 01:55
2-4km SSE Recorded 1 Projectile (assessed as inside the disengagement area) N/K 6-Jul, 02:30	controlled, 60km	2-4km SE	Recorded	2	Projectile	(assessed as inside the disengagement area)	N/K	6-Jul, 02:30
		2-4km SSE	Recorded	1	Projectile	(assessed as inside the disengagement	N/K	6-Jul, 02:30
		2-4km SSE	Recorded	1	Muzzle flash	/	N/K	6-Jul, 02:30

Wedge of Pervomisk (non- government- controlled, Skm W 2-2.5km W Heard 1 Explosion Undetermined NK 6-Jul, 11:15 Nedge of Pervomisk (non- government- controlled, Skm V 1-4.5km W Heard 15 Burst Small arms 13:00-13:01 W of Luhansk) W of Luhansk 1 W of Luhansk 1 N dege of Pervomisk (non- government- controlled, Skm V 1-4.5km V Heard 15 Burst Small arms 13:00-13:01 W of Luhansk 1 N dege of Pervomisk (non- government- controlled, Skm V 1-4.5km V 1-5.5km V 1-						inside the disengagement area (subsequent to the previous event)		
Per-omaisk (non- government- controlled,58km     4-5km W     Heard     15     Burst     Small surst     Small arms     6-Jul, 13:00-13:01       W of Luhansk)     4-6km ESE     Recorded     1     Illumination flaw in our camerais     In vertical flight (also recorded by Oktiabr Mine and DFS cameras)     N/K     6-Jul, 22:49       SMM camera in Avdiva     4-6km ESE     Recorded     1     Illumination flaw in our camerasis     N/K     6-Jul, 22:49       (government- controlled, 17km N of Donetsk)     4-6km ESE     Recorded     1     Illumination flaw in our camerasis     In vertical flight (also recorded by Oktiabr Mine and DFS cameras)     N/K     7-Jul, 03:02       4-6km ESE     Recorded     1     Illumination flaw in our camerasis     N/K     7-Jul, 03:02       4-6km ESE     Recorded     1     Illumination flaw in our camerasis     N/K     6-Jul, 21:23       4-6km ESE     Recorded     1     Projectile     ENE to WSW     N/K     6-Jul, 21:23       4-6km ESE     Recorded     1     Projectile     Camerasis     N/K     6-Jul, 21:23       4-6km ESE     Recorded     1     Projectile	Pervomaisk (non- government- controlled,58km W of Luhansk)	2-2.5km W	Heard	1	Explosion	Undetermined	N/K	6-Jul, 11:15
SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded Recorded1Illumination flare by Oktaber Mine and DFS cameras)N/K6-Jul, 22:49SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded1Illumination flare in vertical flight (also recorded) in the vertical flight (also recorded) in the vertical flight (also recorded) by Oktaber Mine and DFS cameras)N/K7-Jul, 03:02 and DFS cameras)Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded1Illumination flare in the post of the post of t	Pervomaisk (non- government- controlled,58km	4-5km W	Heard	15	Burst			,
SMM camera in Avdityka (government- controlled, 17km N of Donetsk)4-6km ESERecorded1Illumination flare and L(also recorded by Oktiabr Mine and DFS cameras)N/K7-Jul, 03:024-6km ESERecorded1Illumination flareIn vertical flight (also recorded by Oktiabr Mine and DFS cameras)N/K7-Jul, 03:054-6km ESERecorded1Illumination flareIn vertical flight, (also recorded by Mine and DFS cameras)N/K7-Jul, 03:054-6km ESERecorded1Illumination flareIn vertical flight, (also recorded by Mine and DFSN/K6-Jul, 21:282-4km SSERecorded1ProjectileENE to WSWN/K6-Jul, 21:282-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:292-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:212-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded <td></td> <td>4-6km ESE</td> <td>Recorded</td> <td>1</td> <td>Illumination flare</td> <td>(also recorded by Oktiabr Mine and DFS</td> <td>N/K</td> <td>6-Jul, 22:49</td>		4-6km ESE	Recorded	1	Illumination flare	(also recorded by Oktiabr Mine and DFS	N/K	6-Jul, 22:49
(government- controlled, 17km N of Donetsk)4-6km ESERecorded1Illumination flare lumination flareIn vertical flight (also recorded by Oktiab Mine and DFS 		4-6km ESE	Recorded	1	Illumination flare	(also recorded by Oktiabr Mine and DFS	N/K	7-Jul, 03:02
SMM camera in Chermalyk (government- controlled, 31km NE of MariupolRecorded Recorded1Illumination flareflight. (also recorded by 	controlled, 17km	4-6km ESE	Recorded	1	Illumination flare	In vertical flight (also recorded by Oktiabr Mine and DFS	N/K	7-Jul, 03:05
SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSE RecordedRecorded1Projectile ExplosionENE to WSW (also recorded by Pyshchevyk camera)N/K6-Jul, 21:283-5km SSE 		4-6km ESE	Recorded	1	Illumination flare	flight. (also recorded by Oktiabr Mine and DFS	N/K	7-Jul, 03:08
SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)Recorded1ExplosionUndetermined (also recorded by Pyshchevyk camera)N/K6-Jul, 21:283.5km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:313-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded1ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1		2-4km SSE	Recorded	1	Projectile	,	N/K	6-Iul 21.28
2-4km SSERecorded2ExplosionUndeterminedN/K6-Jul, 21:292-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:319-12km SSERecorded1ExplosionN/K6-Jul, 21:359-12km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:373-5km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1Projectile						Undetermined (also recorded by Pyshchevyk		
SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:313-5km SSERecorded1ExplosionInvertical flight VoltantN/K6-Jul, 21:353-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded15ProjectileIn vertical flight VSW to ENEN/K6-Jul, 21:372-4km SSERecorded1ProjectileIn vertical flight 		2-4km SSE	Recorded	2	Explosion		N/K	6-Jul. 21:29
SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ExplosionUndetermined recorded by Pyshchevyk camera)003-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded15ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:302-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:202-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)9-12km SSERecorded1ExplosionAirburst (also recorded by Pyshchevyk camera)N/K6-Jul, 21:353-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km				-				
Chermalyk (government- controlled, 31km NE of Mariupol)3-5km SSERecorded15110jectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW t		9-12km SSE	Recorded			Airburst (also recorded by Pyshchevyk camera)		6-Jul, 21:35
(government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6				15	U			
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2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26				1				
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2-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26			Recorded	1	Projectile	WSW to ENE		
2-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26			Recorded	1		WSW to ENE	N/K	
2-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26		2-4km SE	Recorded	1	Explosion	Impact	N/K	6-Jul, 22:19
2-4km SSE Recorded 4 Projectile WSW to ENE N/K 6-Jul, 22:26		2-4km SSE	Recorded	5		WSW to ENE		
				4				
2-4km SSE   Recorded   /   Projectile   WSW to ENE   N/K   6-Jul, 22:27		2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	6-Jul, 22:27
2-4km SSE Recorded 5 Projectile WSW to ENE N/K 6-Jul, 22:32				5				

r	1	n	r	T	•	1	1
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	6-Jul, 22:33
	0.5-1.5km SSE	Recorded	7	Projectile	WNW to ESE	N/K	6-Jul, 22:38
	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 22:39
	2-4km SSE	Recorded	4	Explosion	Undetermined	N/K	6-Jul, 22:39
	0.5-1.5km SSE	Recorded	4	Projectile	WNW to ESE	N/K	6-Jul, 22:39
	0.5-1.5km SSE	Recorded	9	Projectile	WNW to ESE	N/K	6-Jul, 22:40
	0.5-1.5km SSE	Recorded	4	Projectile	WNW to ESE	N/K	6-Jul, 22:41
	0.5-1.5km SSE	Recorded	18	Projectile	WNW to ESE	N/K	6-Jul, 22:42
	0.5-1.5km SSE	Recorded	20	Projectile	WNW to ESE	N/K	6-Jul, 22:43
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	6-Jul, 22:47
	9-12km SSE	Recorded	2	Explosion	Undetermined (also recorded by Pyshchevyk camera)	N/K	6-Jul, 23:31
	9-12km SSE	Recorded	11	Projectile	E to W (also recorded by Pyshchevyk camera)	N/K	6-Jul, 23:31
	9-12km SSE	Recorded	7	Projectile	E to W (undetermined, also recorded by Pyshchevyk camera)	N/K	6-Jul, 23:32
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Jul, 23:32
	9-12km SSE	Recorded	1	Burst	WSW to ENE (approx. 20	N/K	6-Jul, 23:42
	9-12km SSE	Recorded	5	Projectile	rounds ) WSW to ENE (also recorded by Pyshchevyk camera)	N/K	6-Jul, 23:43
	3-5km SSE	Recorded	2	Projectile	In vertical flight	N/K	7-Jul, 00:00
	3-5km SSE	Recorded	7	Explosion	Airburst	N/K	7-Jul, 00:00
	3-5km S	Recorded	1	Muzzle flash		N/K	7-Jul, 00:32
	3-5km S	Recorded	17	Projectile	ENE to WSW	N/K	7-Jul, 00:32
	2-4km SE	Recorded	14	Projectile	In vertical flight	N/K	7-Jul, 00:37
	2-4km SE	Recorded	3	Projectile	In vertical flight	N/K	7-Jul, 00:38
	2-4km SSW	Recorded	1	Illumination flare	In vertical flight (also recorded by Avdiivka and Oktiabr Mine cameras)	N/K	6-Jul, 22:49
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	6-Jul, 23:57
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	7-Jul, 00:15
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	7-Jul, 02:16
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	7-Jul, 02:20
SMM camera at	2-4km SSW	Recorded	1	Projectile	In vertical flight	N/K	7-Jul, 02:20
Donetsk Filtration	1-2km SSE	Recorded	1	Projectile	W to E	N/K	7-Jul, 02:27
Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Illumination flare	In vertical flight. (also recorded by Avdiivka and Oktiabr Mine cameras)	N/K	7-Jul, 03:02
	2-4km SSW	Recorded	1	Illumination flare	In vertical flight. (also recorded by Avdiivka and Oktiabr Mine	N/K	7-Jul, 03:05

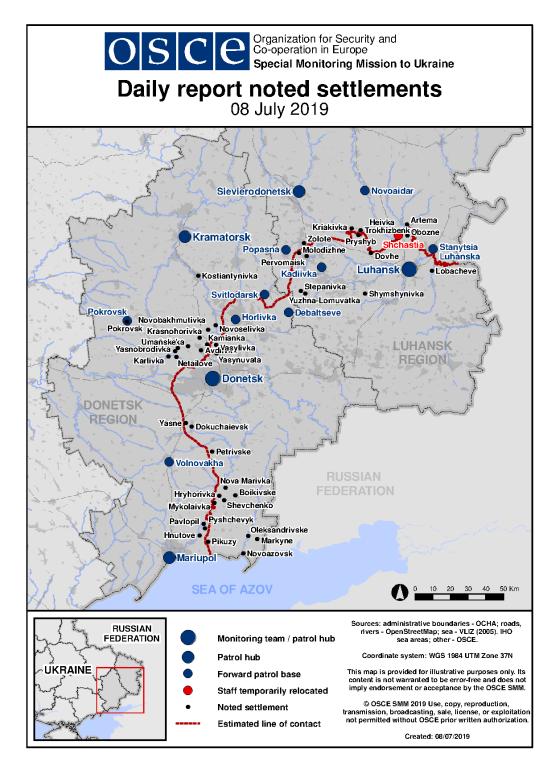
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	2-4km SSW	Recorded	1	Illumination flare	cameras) In vertical flight. (also recorded by Avdiivka and Oktiabr Mine cameras)	N/K	7-Jul, 03:08
	2.41 0	D 11	1	D : (1	/	NI/IZ	7.1.1.02.05
	2-4km S	Recorded	1	Projectile	W to E	N/K	7-Jul, 03:05
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	7-Jul, 03:07
	2-4km E	Recorded	1	Muzzle flash		N/K	6-Jul, 21:31
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	6-Jul, 21:31
	2-4km E	Recorded	1	Burst	N to S (approx. 50 rounds )	N/K	6-Jul, 21:36
	2-4km E	Recorded	8	Projectile	NW to SE	N/K	6-Jul, 21:37
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	6-Jul, 21:40
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	6-Jul, 21:40
	1-2km E	Recorded	1	Projectile	NW to SE	N/K	6-Jul, 21:40
	2-4km E	Recorded	1	Projectile	S to N	N/K	6-Jul, 21:56
	2-4km E	Recorded	8	Projectile	NNW to SSE	N/K	6-Jul, 22:24
	2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	6-Jul, 22:25
	2-4km E	Recorded	12	Projectile	NNW to SSE	N/K	6-Jul, 22:27
	2-4km E	Recorded	12	Projectile	NNW to SSE	N/K	6-Jul, 22:54
SMM camera	2-4km ESE	Recorded	1	Muzzle flash		N/K	6-Jul, 23:35
1.5km NE of	2-4km E	Recorded	1	Projectile	SW to NE	N/K	6-Jul, 23:35
Hnutove	2-4km E	Recorded	11	Projectile	SW to NE	N/K	6-Jul, 23:38
(government-	2-4km E	Recorded	10	Projectile	SW to NE	N/K	6-Jul, 23:42
controlled, 20km	2-4km E	Recorded	6	Projectile	SW to NE	N/K	6-Jul, 23:42
NE of Mariupol)	2-4km E	Recorded	23	Projectile	SW to NE	N/K	6-Jul, 23:52
	2-4km E	Recorded	18	Projectile	SSW to NNE	N/K	7-Jul, 00:16
	2-4km E						
	2-4km E 2-4km E	Recorded	1	Projectile Muzzle flash	In vertical flight	N/K N/K	7-Jul, 00:30
		Recorded	4				7-Jul, 00:30
	2-4km E	Recorded	2	Projectile	NW to SE	N/K	7-Jul, 00:31
	2-4km ESE	Recorded	31	Projectile	N to S	N/K	7-Jul, 00:32
	2-4km ESE	Recorded	5	Muzzle flash		N/K	7-Jul, 00:33
	2-4km ESE	Recorded	15	Projectile	SSW to NNE	N/K	7-Jul, 00:35
	2-4km ESE	Recorded	5	Projectile	NNW to SSE	N/K	7-Jul, 00:38
	2-4km ESE	Recorded	29	Projectile	NNW to SSE	N/K	7-Jul, 01:21
	2-4km ESE	Recorded	8	Muzzle flash		N/K	7-Jul, 01:23
	2-4km E	Recorded	8	Projectile	SW to NE	N/K	7-Jul, 01:40
	2-4km E	Recorded	2	Projectile	SW to NE	N/K	7-Jul, 02:03
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	6-Jul, 22:03
SMM comore E of	3-5km NNE	Recorded	5	Projectile	WNW to ESE	N/K	6-Jul, 22:38
SMM camera E of	3-5km NNE	Recorded	3	Projectile	WNW to ESE	N/K	6-Jul, 22:39
Lomakyne (government-	3-5km NNE	Recorded	2	Projectile	NW to SE	N/K	6-Jul, 22:40
controlled, 15km	3-5km NNE	Recorded	2	Projectile	NW to SE	N/K	6-Jul, 22:41
NE of Mariupol)	3-5km NNE	Recorded	13	Projectile	NW to SE	N/K	6-Jul, 22:42
NE OI Mariupol)	3-5km NNE	Recorded	13	Projectile	NW to SE	N/K	6-Jul, 22:43
	3-5km NE	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 22:47
0.04	0.5-1.5km NNE	Recorded	1	Projectile	W to E	N/K	6-Jul, 22:10
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	0.5-1.5km NNE	Recorded	8	Projectile	W to E	N/K	6-Jul, 22:24
	0.5-1.5km NNE	Recorded	4	Projectile	W to E	N/K	6-Jul, 22:25
	0.5-1.5km NNE	Recorded	1	Projectile	W to E	N/K	6-Jul, 22:29
	0.5-1.5km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Jul, 22:29
SMM camera at Oktiabr mine (non-government- controlled, 9km NW of Donetsk city centre)	6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by Avdiivka and DFS cameras)	N/K	6-Jul, 22:49
	6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by Avdiivka and	N/K	7-Jul, 03:02

Image: second	[		r	1			1	
6-8km NE     Recorded     1     Illumination flare     (also recorded by Aviiva and DFS cameras)     N/K     7-Jul, 03:05       6-8km NE     Recorded     1     Illumination flare     In vertical flight (also recorded)     N/K     7-Jul, 03:05       3-5km SSE     Recorded     1     Projectile     WNK     6-Jul, 21:14       2-4km SSE     Recorded     1     Projectile     WNK to SP     N/K     6-Jul, 21:19       1-3km SE     Recorded     1     Projectile     WNW to SP     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     WNW to FSE     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     WNW to FSE     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     WNW to SE     N/K     6-Jul, 21:36       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:36       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:36       3-5km SE<						DFS cameras)		
SMM camera at entry-exit     Recorded     1     Illumination flare     In vertical flight (by Avdityka and DFS cameras)     NVK     7-Jul, 03:08       3-5km SSE     Recorded     2     Burst     15 rounds stach)     N/K     6-Jul, 21:14       2-4km SSE     Recorded     1     Projectile     WWW to ESE     N/K     6-Jul, 21:28       1-3km SE     Recorded     1     Explosion     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:32       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:32       3-5km SE     Recorded     1     Muzzle flash     N/K     6-Jul, 21:30       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:30       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:30       3-5km SE     Recorded     1     Explosion     Undetermined     <		6-8km NE	Recorded	1	Illumination flare	(also recorded by Avdiivka and	N/K	7-Jul, 03:05
SMM camera at entry-exit controlled, 25km     SEE     Recorded     1     Projectile     Win To Experiment (also recorded by Chernalyk camera)     N/K     6-Jul, 21:14       1-3km SE     Recorded     1     Explosion     N/K     6-Jul, 21:28       1-3km SE     Recorded     1     Explosion     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:32       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:32       3-5km SE     Recorded     1     Explosion     Undetermined Chernalyk     N/K     6-Jul, 21:35       3-5km SE     Recorded     1     Explosion     Undetermined N/K     6-Jul, 21:34       3-5km SE     Recorded     1     Explosion     Undetermined N/K     6-Jul, 21:34       4-4km SSE     Recorded     1     Projectile     N/K     6-Jul, 23:31       3-5km SK     Recorded     1     Projectile     N/K     6-Jul, 23:31 <td></td> <td>6-8km NE</td> <td>Recorded</td> <td>1</td> <td>Illumination flare</td> <td>In vertical flight (also recorded by Avdiivka and</td> <td>N/K</td> <td>7-Jul, 03:08</td>		6-8km NE	Recorded	1	Illumination flare	In vertical flight (also recorded by Avdiivka and	N/K	7-Jul, 03:08
SMM camera at entry-exit     Recorded     1     Explosion     Undetermined (also recorded by Chermalyk camera)     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:28       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 21:22       3-5km SSE     Recorded     1     Muzzle flash     N/K     6-Jul, 21:32       3-5km SSE     Recorded     1     Explosion     Crootded by Chermalyk     N/K     6-Jul, 21:37       3-5km SSE     Recorded     1     Explosion     Undetermined undetermined     N/K     6-Jul, 21:37       3-5km SSE     Recorded     1     Explosion     Undetermined undetermined     N/K     6-Jul, 21:37       3-5km SSE     Recorded     1     Muzzle flash     N/K     6-Jul, 21:37       3-5km SSE     Recorded     1     Projectile     WNW to ISE     N/K     6-Jul, 21:31       2-4km SSE     Recorded     1     Explosion     Undetermined diso recorded by Chermalyk     N/K     6-Jul, 23:31       2-4km SSE     Recorded		3-5km SSE	Recorded	2	Burst	W to E (approx.	N/K	6-Jul, 21:14
SMM camera at entry-exit at entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit as SEE Recorded 1 Muzzle flash NK 6-Jul, 21:32 SMM SEE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 21:32 Sim SEE Recorded 4 Secorded 1 Explosion Creorded by N/K 6-Jul, 21:32 Sim SEE Recorded 4 Secorded 1 Explosion Undetermined N/K 6-Jul, 21:32 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 3 Projectile In vertical flight N/K 6-Jul, 23:32 Sim SEE Recorded 3 Projecti		2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	6-Jul, 21:19
Skm SSE     Recorded     6     Projectile     WN W to ESE     N/K     6-Jul, 21:32       3.5km SSE     Recorded     1     Muzzle flash     Airburst (also recorded by Chermalyk camera)     N/K     6-Jul, 21:32       3.5km SE     Recorded     1     Explosion     Recorded by Chermalyk camera)     N/K     6-Jul, 21:36       3.5km SE     Recorded     45     Projectile     NW to SE     N/K     6-Jul, 21:36       3.5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3.5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3.5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 23:31       3.5km SE     Recorded     1     Projectile     WN to ESE     N/K     6-Jul, 23:31       2.4km SSE     Recorded     1     Explosion     Undetermined (also recorded by Chermalyk     N/K     6-Jul, 23:31       (government- controlled, 25km NE of Mariupol     3-5km SSE     Recorded     7     Projectile     In		1-3km SE		1	Explosion	(also recorded by Chermalyk		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1-3km S	Recorded	1	Explosion		N/K	6-Jul, 21:28
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		3-5km SSE	Recorded	6		WNW to ESE	N/K	
SMM camera at entry-exit     Recorded     1     Explosion     Airburst (also recorded by Chermalyk camera)     N/K     6-Jul, 21:35       3-5km SE     Recorded     45     Projectile     NW to SE     N/K     6-Jul, 21:36       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3-5km SE     Recorded     1     Muzzle flash     N/K     6-Jul, 21:37       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       2-4km SSE     Recorded     1     Projectile     WNW to ESE     N/K     6-Jul, 23:31       2-4km SSE     Recorded     1     Explosion     Undetermined (also recorded by Chermalyk camera)     N/K     6-Jul, 23:32       3-5km SSE     Recorded     1     Explosion     N/K     6-Jul, 23:32       3-5km SSE     Recorded     1     Muzzle flash     N/K     6-Jul, 23:32       3-5km SSE     Recorded				1				
2-4km SSE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3-5km SE     Recorded     8     Projectile     NNE to SSW     N/K     6-Jul, 21:37       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 21:37       3-5km SE     Recorded     1     Explosion     Undetermined     N/K     6-Jul, 23:31       2-4km SSE     Recorded     11     Projectile     WNW to ESE     N/K     6-Jul, 23:31       2-4km SSE     Recorded     1     Explosion     Undetermined (also recorded by Chermalyk camera)     N/K     6-Jul, 23:31       2-4km SSE     Recorded     1     Explosion     ENE to WSW (also recorded by Chermalyk camera)     N/K     6-Jul, 23:32       3-5km SSE     Recorded     7     Projectile     In vertical flight     N/K     6-Jul, 23:32       3-5km SSE     Recorded     1     Muzzle flash     N/K     6-Jul, 23:32       3-5km SSW     Recorded     1     Muzzle flash     N/K     6-Jul, 23:32       3-5km SSW						recorded by Chermalyk camera)		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		3-5km SE	Recorded	45	Projectile	NW to SE	N/K	6-Jul, 21:36
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $								
3-5km S   Recorded   1   Explosion   Undetermined   N/K   6-Jul, 21:34     2-4km SSE   Recorded   11   Projectile   (also recorded by Chermalyk camera)   N/K   6-Jul, 23:31     SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km SSE   Recorded   1   Explosion   Undetermined (also recorded by Chermalyk camera)   N/K   6-Jul, 23:31     3-5km SSE   Recorded   1   Explosion   Vechermalyk camera)   N/K   6-Jul, 23:32     3-5km SSE   Recorded   7   Projectile   Undetermined (also recorded by Chermalyk camera)   N/K   6-Jul, 23:32     3-5km SSE   Recorded   7   Projectile   In vertical flight   N/K   6-Jul, 23:32     3-5km SSE   Recorded   1   Muzzle flash   N/K   6-Jul, 23:32     3-5km SSE   Recorded   1   Explosion   Undetermined N/K   6-Jul, 23:32     3-5km SSW   Recorded   1   Explosion   Undetermined N/K   6-Jul, 23:32     3-5km SSW   Recorded   1   Explosion   Undetermined N/K   6-Jul, 23:32     3-5km SSW   Recorded   1 </td <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>1112 10 55 11</td> <td></td> <td></td>					0	1112 10 55 11		
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)Recorded Recorded11ProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SSERecorded1ExplosionUndetermined (also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SSERecorded1ExplosionENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded7ProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded7ProjectileIn vertical flight W to E (approx. 20 rounds, also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSWRecorded1BurstW to E (approx. 20 rounds, also recorded by Chermalyk camera)002-4km SSWRecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded2ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded2ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded1ExplosionAirburst <td></td> <td></td> <td></td> <td></td> <td></td> <td>Undetermined</td> <td></td> <td></td>						Undetermined		
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SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) 3-5km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31   3-5km SSE Recorded 7 Projectile ENE to WSW (also recorded by Chermalyk camera) N/K 6-Jul, 23:32   3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32   3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32   3-5km SSE Recorded 6 Projectile In vertical flight N/K 6-Jul, 23:32   3-5km SSW Recorded 1 Explosion Undetermined Wito E (approx. 20 rounds, also recorded by Chermalyk camera) N/K 6-Jul, 23:42   2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42   2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42   2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:43   2-4km S Recorded 3 Explosion Airburst N/K 6-Jul, 23:59   2-4km S Recorded 5 Projectile In vertical flight N/K 7-Jul, 00:00		2-4km SSE	Recorded	11	Projectile	(also recorded by Chermalyk	N/K	6-Jul, 23:31
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) 3-5km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31   3-5km SSE Recorded 7 Projectile ENE to WSW (also recorded by Chermalyk camera) N/K 6-Jul, 23:32   3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32   3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32   3-5km SSE Recorded 6 Projectile In vertical flight N/K 6-Jul, 23:32   3-5km SSW Recorded 1 Explosion Undetermined W to E (approx. 20 rounds, also recorded by Chermalyk camera) N/K 6-Jul, 23:42   2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42   2-4km SS Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42   2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:43   2-4km S Recorded 3 Explosion Airburst N/K 6-Jul, 23:59   2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:59<		2-4km SSE	Recorded	8	Projectile	WNW to ESE	N/K	6-Jul. 23:31
Pyshchevyk (government- controlled, 25km NE of Mariupol)RecordedProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded1Muzzle flashN/K6-Jul, 23:323-5km SSERecorded7ProjectileIn vertical flightN/K6-Jul, 23:323-5km SSERecorded6ProjectileWnW to ESEN/K6-Jul, 23:323-5km SSWRecorded1ExplosionUndeterminedN/K6-Jul, 23:323-5km SSWRecorded1ExplosionUndeterminedN/K6-Jul, 23:362-4km SSWRecorded1Burstrecorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flightN/K6-Jul, 23:432-4km SRecorded5ProjectileIn vertical flightN/K6-Jul, 23:432-4km SRecorded3ExplosionAirburstN/K6-Jul, 23:432-4km SRecorded12ProjectileIn vertical flightN/K6-Jul, 23:592-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded12ExplosionAirburstN/K7-Jul, 00:012-4km SRecorded12ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded14ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1	entry-exit checkpoint in					Undetermined (also recorded by Chermalyk		
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2-4km SSE Recorded 12 Projectile W to E N/K 7-Jul, 00:35					•			
2-4km S Recorded 3 Projectile ENE to WSW N/K 7-Jul, 00:38								
		2-4km S	Recorded	3	Projectile	ENE to WSW	N/K	7-Jul, 00:38

	2-4km SSE	Recorded	1	Projectile	E to W	N/K	7-Jul, 00:38
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	7-Jul, 00:40
	2-4km SSE	Recorded	6	Projectile	W to E	N/K	7-Jul, 01:40
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	7-Jul, 01:40
	3-5km S	Recorded	1	Projectile	W to E	N/K	7-Jul, 01:44
	2-4km SSE	Recorded	15	Projectile	E to W	N/K	7-Jul, 02:02
	2-4km SSE	Recorded	2	Projectile	In vertical flight	N/K	7-Jul, 02:02
	2-4km SSE	Recorded	10	Projectile	W to E	N/K	7-Jul, 02:02
	2-4km SSE	Recorded	7	Muzzle flash	WICE	N/K	7-Jul, 02:02
	2-4km SSE 2-4km SSE		1		Undetermined	N/K N/K	
		Recorded Recorded		Explosion	Undetermined E to W	N/K N/K	7-Jul, 02:02
	2-4km SSE		5	Projectile	E to w		7-Jul, 02:03
	2-4km SSE	Recorded	3	Muzzle flash		N/K	7-Jul, 02:03
	1-2km S	Recorded	1	Muzzle flash		N/K	7-Jul, 02:06
	3-5km S	Recorded	5	Projectile	W to E	N/K	7-Jul, 02:08
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	7-Jul, 03:12
	3-5km S	Recorded	3	Muzzle flash		N/K	7-Jul, 03:12
	3-5km S	Recorded	4	Projectile	WNW to ESE	N/K	7-Jul, 03:22
SMM camera	2-4km NE	Recorded	16	Projectile	SE to NW	N/K	7-Jul, 00:50
1km SW of Shyrokyne (20km E of Mariupol)	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	7-Jul, 03:38
	2km E	Heard	1	Burst		Small arms	7-Jul, 09:08
SE part of	2km SE	Heard	2	Explosion	Undetermined	N/K	7-Jul, 09:12
Avdiivka					Chaeterhinieu	Small	7-Jul,
(government-	1-2km SE	Heard	9	Burst		arms	09:52-09:55
controlled, 17km						Small	7-Jul,
N of Donetsk)	1-2km SE	Heard	3	Shot			09:52-09:55
IN OI DOIICISK)	2 21 E	Hand	1	Employing	The data meeting a	arms	
	2-3km E	Heard	1	Explosion	Undetermined	N/K	7-Jul, 10:15
	2-3km E	Heard	1	Explosion	Undetermined	N/K	7-Jul, 10:56
Donetsk central railway station	2km NW	Heard	3	Shot		Small arms	7-Jul, 10:05
(non-government-	3km NW	Heard	3	Explosion	Undetermined	N/K	7-Jul, 10:27
controlled, 6km NW of Donetsk)	3km NW	Heard	1	Explosion	Undetermined	N/K	7-Jul, 10:54
About 1km N of Donetsk central railway station (non-government- controlled, 6km NW of Donetsk)	3km NW	Heard	1	Explosion	Undetermined	N/K	7-Jul, 11:47
About 1km E of	2-3km S	Heard	4	Shot		HMG	7-Jul, 10:50
Kruta Balka (non- government- controlled, 16km	2-3km S	Heard	1	Explosion	Undetermined	N/K	7-Jul, 10:55
N of Donetsk) Marinka (government- controlled, 23km SW of Donetsk)	2-4km E	Heard	2	Explosion	Undetermined	N/K	7-Jul, 10:52
Krasnohorivka (government- controlled, 21km W of Donetsk )	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	7-Jul, 13:22
About 1km NW	2-3km SW	Heard	24	Shot		Small arms	7-Jul, 09:13-09:33
of the railway	2-3km SW	Heard	2	Explosion	Undetermined	N/K	7-Jul, 09:13
station in	2-3km SW	Heard	2	Explosion	Undetermined	N/K	7-Jul, 09:19
Yasynuvata (non-	1-2km N	Heard	1	Explosion	Outgoing	N/K	7-Jul, 09:25
government- controlled, 16km	3-4km SW	Heard	46	Burst		HMG	7-Jul, 09:34-09:44
NE of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	7-Jul, 09:39
	2-3km W	Heard	3	Shot	Chaotominica	HMG	7-Jul, 12:36
1km NNW of				Shot		11110	7-Jul, 12.30
Pyshchevyk	4-5km SE	Heard	4	Explosion	Undetermined		12:55-12:58

(government-							7-Jul.
controlled, 25km NE of Mariupol)	4-5km SE	Heard	5	Explosion	Undetermined		13:01-13:05
	4-5km SE	Heard	2	Explosion	Undetermined		7-Jul, 13:08-13:09
	4-5km SE	Heard	1	Explosion	Undetermined		7-Jul, 13:18
Horlivka (non- government- controlled, 39km NE of Donetsk)	5-7km WNW	Heard	7	Explosion	Undetermined	N/K	6-Jul, 17:28-17:44
	5-7km WNW	Heard	8	Explosion	Undetermined	N/K	6-Jul, 17:46-17:58
	5-7km WNW	Heard	7	Explosion	Undetermined	N/K	6-Jul, 18:01-18:13
	5-7km WNW	Heard	8	Explosion	Undetermined	N/K	6-Jul,
	5-7km NW	Heard	7	Explosion	Undetermined	N/K	18:17-18:28 6-Jul, 18:22-18:42
	5-7km NW	Heard	14	Explosion	Undetermined	N/K	18:32-18:43 6-Jul,
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	19:05-19:10 6-Jul, 19:26
		1		1			6-Jul, 19.20
	4-7km NW	Heard	96	Explosion	Undetermined	N/K	20:27-21:02
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 21:11
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 21:16
	5-7km NW	Heard	46	Explosion	Undetermined	N/K	6-Jul, 21:20-21:45
	5-7km NW	Heard	27	Burst		HMG	6-Jul, 21:20-21:45
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 21:52
	6-8km NW	Heard	17	Explosion	Undetermined	N/K	6-Jul, 21:56-22:01
	6-8km NW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 22:24
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 23:06
	5-7km NW	Heard	5	Shot		Small arms	6-Jul, 23:28
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 23:35
	5-7km NW	Heard	5	Burst		HMG Small	6-Jul, 23:38
	5-7km NW	Heard	7	Shot		arms	6-Jul, 23:38
	5-7km NW 5-7km NW	Heard	3	Explosion	Undetermined Undetermined	N/K N/K	6-Jul, 23:39 6-Jul, 23:45
	5-7Km IN W	Heard	1	Explosion	Undetermined	Small	
	5-7km NW	Heard	3	Shot		arms	6-Jul, 23:54
	5-7km NW	Heard	43	Explosion	Undetermined	N/K	7-Jul, 00:26-00:33
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	7-Jul, 00:42 7-Jul,
	5-7km NW	Heard	28	Burst		HMG	07:15-07:20
Svitlodarsk (government- controlled, 57km NE of Donetsk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 17:21
	3-5km SE 5-7km	Heard	2	Explosion	Undetermined	N/K	6-Jul, 21:00 6-Jul,
	WSW	Heard	12	Explosion	Undetermined	N/K	22:31-22:45
	4-6km NW	Heard	1	Burst		HMG	6-Jul, 22:41
	3-5km WSW	Heard	2	Explosion	Undetermined	N/K	6-Jul, 23:01
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	6-Jul, 23:15
SMM camera in Zolote (government- controlled, 60km W of Luhansk)	4-6km SSW	Recorded	1	Projectile	WNW to ESE (assessed as outside the disengagement area)	N/K	7-Jul, 02:11
E edge of Stanytsia Luhanska (government- controlled, 16km	0.3-0.4km S	Heard	1	Shot	Assessed as outside the disengagement area.	N/K	6-Jul, 22:10

NE of Luhansk)							
N edge of Popasna (government- controlled, 69km W of Luhansk)	3-5km SE	Heard	21	Burst		HMG	7-Jul, 02:40-02:50
	3-5km SE	Heard	3	Explosion	Impact	RPG	7-Jul, 03:10-03:28
	3-5km SE	Heard	8	Burst		HMG	7-Jul, 03:10-03:28
	3-5km SE	Heard	6	Shot		N/K	7-Jul, 03:30-03:32
	3-5km SE	Heard	40	Burst		HMG	7-Jul, 03:46-04:00
	3-5km SE	Heard	3	Burst		HMG	7-Jul, 04:10-04:11
	3-10km SE	Heard	404	Explosion	Undetermined	N/K	7-Jul, 05:08-06:30
SW edge of Zolote- 5/Mykhailivka (non-government- controlled, 58km NW of Luhansk)	1km NW	Heard	1	Shot	Assessed as inside the disengagement area.	Small arms	7-Jul, 13:33



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

<sup>&</sup>lt;sup>2</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).