Table of ceasefire violations as of 2 June 2019<sup>1</sup>

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in	2-4km ESE	Recorded	1	Illumination	In vertical flight	N/K	31-May, 22:30
Berezove (government-	2-4km SSE	Recorded	26	flare Projectile	SW to NE	N/K	31-May, 22:34
controlled,	2-4km SSE 2-4km SSE	Recorded	15	Projectile	SW to NE	N/K	31-May, 22:35
31km SW of	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	31-May, 23:07
Donetsk)	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	31-May, 23:50
·	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Jun, 00:03
SMM camera in	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	31-May, 21:16
Chermalyk	2-4km S	Recorded	1	Projectile	W to E	N/K	31-May, 21:17
(government- controlled, 31km NE of	2-4km SSE	Recorded	2	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	31-May, 21:33
Mariupol)	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	31-May, 21:33
	2-4km SSE	Recorded	1	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:33
	2-4km S	Recorded	2	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:34
	2-4km S	Recorded	7	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:35
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	31-May, 21:36
	2-4km S	Recorded	1	Burst	WSW to ENE	N/K	31-May, 21:36
	2-4km SSE	Recorded	3	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:37
	2-4km SSE	Recorded	13	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:38
	2-4km S	Recorded	1	Burst	ENE to WSW	N/K	31-May, 21:39
	2-4km SSE	Recorded	11	Projectile	W to E (also recorded by Hnutove camera)	N/K	31-May, 21:40
	2-4km SSE	Recorded	1	Explosion	Impact (also recorded by Hnutove camera)	N/K	31-May, 21:40
	2-4km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	31-May, 21:40
	2-4km S	Recorded	8	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	31-May, 21:41
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 21:41
	2-4km S	Recorded	1	Projectile	SW to NE (also recorded by Hnutove camera)	N/K	31-May, 21:42
	2-4km SSE	Recorded	7	Projectile	W to E	N/K	31-May, 21:43
	3-5km S	Recorded	10	Projectile	ENE to WSW (also recorded by Pyshchevyk camera)	N/K	31-May, 21:43

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

	ĺ		l	NW to SE (also	ĺ	I
		_		recorded by		
3-5km S	Recorded	1	Projectile	Pyshchevyk	N/K	31-May, 21:44
				camera)		
3-5km S	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:49
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	31-May, 22:12
				Undetermined		
2-4km SSE	Recorded	1	Explosion	(also recorded by	N/K	31-May, 22:13
				Hnutove camera)		
				ENE to WSW		
				(also recorded by		
2-4km SE	Recorded	1	Projectile	Hnutove and	N/K	31-May, 22:13
				Pyshchevyk		
		_		cameras)		
2-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	31-May, 22:14
2-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	31-May, 22:15
2-4km S	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:15
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	31-May, 22:16
				WSW to ENE		
2-4km S	Recorded	1	Projectile	(also recorded by	N/K	31-May, 22:33
				Pyshchevyk		•
				camera) ENE to WSW		
2-4km S	Recorded	35	Projectile	(also recorded by Pyshchevyk	N/K	31-May, 22:36
				camera)		
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	31-May, 22:53
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	31-May, 22:57
3-5km S	Recorded	1	Explosion	Undetermined	N/K	31-May, 23:01
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	31-May, 23:06
2 IMII OSE	recoraca		Trojectiic	ENE to WSW	1011	31 11143, 23.00
2-4km SSE	Recorded	1	Projectile	(also recorded by	N/K	31-May, 23:13
			,	Hnutove camera)		3,
				WSW to ENE		
2-4km SSE	Recorded	8	Projectile	(also recorded by	N/K	31-May, 23:13
				Hnutove camera)		
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	31-May, 23:13
				WSW to ENE		
2-4km SSE	Recorded	1	Projectile	(also recorded by	N/K	31-May, 23:22
				Hnutove camera)		
				WSW to ENE		
2-4km S	Recorded	3	Burst	(also recorded by	N/K	31-May, 23:27
				Hnutove camera)		
2-4km SE	Recorded	5	Projectile	NE to SW	N/K	1-Jun, 00:12
2-4km SE	Recorded	7	Projectile	ENE to WSW	N/K	1-Jun, 00:32
2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	1-Jun, 00:33
2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	1-Jun, 00:35
2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 00:43
2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 00:43
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 00:51
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 01:00
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 01:00
2-4km SE	Recorded	1	Projectile Projectile	ENE to WSW	N/K	1-Jun, 01:02
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 01:30
2-4km SE	Recorded	1	Explosion	Undetermined ENE to WSW	N/K N/K	1-Jun, 01:30
2-4km SE	Recorded	1	Projectile	ENE to WSW WSW to ENE	1N/ IX	1-Jun, 01:45
	Recorded	1	Projectile	(also recorded by	N/K	1-Jun, 01:46
2 /1km S	Recorded	1	Projectile	Hnutove camera)	1N/ IX	1-Juli, 01:40
2-4km S				THURDOVE CAHIETAL		i
		1	Evalorion	· ·	N/K	1_Inn 01.46
2-4km S 2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 01:46
2-4km SSE	Recorded	1 2		Undetermined ENE to WSW		
		1 2	Explosion Projectile	Undetermined ENE to WSW (also recorded by	N/K N/K	1-Jun, 01:46 1-Jun, 01:47
2-4km SSE	Recorded	2		Undetermined ENE to WSW		

				I	previous event		1
					(also recorded by		
					Hnutove camera)		
	2-4km SSE	Recorded	4	Burst	WSW to ENE	N/K	1-Jun, 01:48
	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	1-Jun, 01:48
	2-4km SSE	Recorded	25	Projectile	WSW to ENE	N/K	1-Jun, 01:49
					WSW to ENE		
	2-4km SSE	Recorded	6	Projectile	(also recorded by	N/K	1-Jun, 01:50
					Hnutove camera)		
					WSW to ENE		
	2-4km SSE	Recorded	2	Projectile	(also recorded by	N/K	1-Jun, 01:50
					Hnutove camera)		
					WSW to ENE		
	2-4km SSE	Recorded	3	Projectile	(also recorded by	N/K	1-Jun, 01:51
	2.41	- 1 1			Hnutove camera)	27/77	1 7 01 76
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 01:56
	2.41	B 1.1	1.4	D : .:1	WSW to ENE	27/77	1 7 01 57
	2-4km S	Recorded	14	Projectile	(also recorded by	N/K	1-Jun, 01:57
					Hnutove camera)		
	2-4km S	Recorded	1	D:4:1-	WSW to ENE (also recorded by	N/K	1 Jun 01.57
	2-4KIII S	Recorded	1	Projectile	Hnutove camera)	IN/IX	1-Jun, 01:57
					Impact, also		
					recorded by		
	6-8km S	Recorded	1	Explosion	Pyshchevyk	N/K	1-Jun, 01:58
					camera		
	2-4km S	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 01:58
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 01:58
	2-4km SE	Recorded	23	Projectile	NNE to SSW	N/K	1-Jun, 02:22
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	1-Jun, 02:45
				,	ENE to WSW		Í
					(also recorded by		
	2-4km S	Recorded	8	Projectile	Hnutove and	N/K	1-Jun, 02:54
					Pyshchevyk		
					cameras)		
	2-4km S	Recorded	6	Projectile	ENE to WSW	N/K	1-Jun, 02:54
					WSW to ENE		
	2.41				(also recorded by	27.07	
	2-4km S	Recorded	1	Projectile	Hnutove and	N/K	1-Jun, 02:54
					Pyshchevyk		
	2.41. C	D 1.1	7	D : 41	cameras)	NI/IZ	1.1. 02.54
	2-4km S	Recorded	7	Projectile	WSW to ENE WSW to ENE	N/K	1-Jun, 02:54
	2-4km S	Recorded	1	Projectile	(also recorded by	N/K	1 Jun 02.56
	2-4KIII 5	Recorded	1	Frojectile	Hnutove camera)	1N/ IX	1-Jun, 02:56
					WSW to ENE		
	2-4km S	Recorded	3	Projectile	(also recorded by	N/K	1-Jun, 03:09
	2 mm s	recoraca	5	Trojectife	Hnutove camera)	1011	1 0 411, 03.09
	2-4km S	Recorded	3	Projectile	WSW to ENE	N/K	1-Jun, 03:10
	2-4km S	Recorded	4	Projectile	WSW to ENE	N/K	1-Jun, 03:11
MM camera at	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	31-May, 21:0
onetsk	2-4km SSW	Recorded	5	Projectile	W to E	N/K	31-May, 21:1
iltration	1-3km S	Recorded	3	Projectile	E to W	N/K	31-May, 21:2
tation (15km N	1-3km S	Recorded	3	Projectile	E to W	N/K	31-May, 21:2
f Donetsk)	0.5-1.5km SW	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:3
	0.5-1.5km SW	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:3
	0.5-1.5km SW	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:3
	0.5-1.5km SSW	Recorded	2	Projectile	W to E	N/K	31-May, 21:3
	0.5-1.5km S	Recorded	1	Projectile	E to W	N/K	31-May, 21:3
	0.5-1.5km SW	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:3
	0.5-1.5km SW	Recorded	1	Projectile	NW to SE	N/K	31-May, 21:3
	1-2km SSW	Recorded	2	Projectile	SE to NW	N/K	31-May, 22:2
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	31-May, 23:5
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	1-Jun, 01:01
	0.3-1km SSW	Recorded	1	Projectile	W to E	N/K	1-Jun, 01:42

	0.3-1km SSW	Recorded	1	Projectile	W to E	N/K	1-Jun, 01:48
	0.5-1.5km SSW	Recorded	3	Projectile	NW to SE	N/K	1-Jun, 01:48
	0.5-1.5km SSW	Recorded	1	Projectile	NW to SE	N/K	1-Jun, 01:50
SMM camera	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	31-May, 20:54
1.5km NE of	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	31-May, 20:57
Hnutove (government- controlled, 20km NE of	3-5km ENE	Recorded	2	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	31-May, 21:33
Mariupol)	3-5km ENE	Recorded	1	Projectile	S to N	N/K	31-May, 21:33
	3-5km ENE	Recorded	1	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:33
	3-5km ENE	Recorded	2	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:34
	3-5km ENE	Recorded	1	Explosion	N to S	N/K	31-May, 21:34
	3-5km ENE	Recorded	7	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:35
	3-5km ENE	Recorded	15	Projectile	N to S	N/K	31-May, 21:36
	3-5km ENE	Recorded		Burst	N to S	N/K	31-May, 21:36
	3-5km ENE	Recorded	3	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:37
	3-5km ENE	Recorded	13	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:38
	3-5km ESE	Recorded	2	Burst	N to S	N/K	31-May, 21:39
	3-5km ENE	Recorded	11	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:40
	3-5km ENE	Recorded	2	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	31-May, 21:40
	3-5km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	31-May, 21:40
	3-5km ENE	Recorded	8	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:41
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	31-May, 21:41
	3-5km ENE	Recorded	1	Projectile	N to S (also recorded by Chermalyk camera)	N/K	31-May, 21:42
	3-5km ESE	Recorded	17	Projectile	N to S	N/K	31-May, 21:43
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	31-May, 21:43
	3-5km ESE	Recorded	3	Explosion	Undetermined	N/K	31-May, 21:48
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	31-May, 21:56
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:01
	3-5km E	Recorded	5	Projectile	SW to NE	N/K	31-May, 22:01
	3-5km ESE	Recorded	2	Projectile	S to N	N/K	31-May, 22:12
	3-5km ESE	Recorded	3	Explosion	Airburst, subsequent to previous event	N/K	31-May, 22:12
	3-5km ENE	Recorded	7	Projectile	SSW to NNE	N/K	31-May, 22:13
	3-5km ENE	Recorded	1	Explosion	Also recorded by	N/K	31-May, 22:13

				Chermalyk		
				camera		
3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:13
3-5km ENE	Recorded	8	Projectile	N to S	N/K	31-May, 22:14
3-5km ENE	Recorded	10	Projectile	N to S	N/K	31-May, 22:15
3-5km ESE	Recorded	2	Burst	N to S	N/K	31-May, 22:36
3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:57
3-5km E	Recorded	2	Projectile	S to N	N/K	31-May, 23:06
				Airburst,		Ĭ
3-5km E	Recorded	2	Explosion	subsequent to	N/K	31-May, 23:06
			•	previous event		
3-5km E	Recorded	1	Explosion	Undetermined	N/K	31-May, 23:07
0 011111				S to N (also		
				recorded by		
3-5km ENE	Recorded	1	Projectile	Chermalyk	N/K	31-May, 23:13
				camera)		
				N to S (also		
				recorded by		
3-5km ENE	Recorded	8	Projectile	Chermalyk	N/K	31-May, 23:13
				camera)		
				N to S (also		
				recorded by		
3-5km ENE	Recorded	1	Projectile	Chermalyk	N/K	31-May, 23:22
				_		
			<del>                                     </del>	camera) S to N (also		
				recorded by		
3-5km E	Recorded	3	Burst	Chermalyk	N/K	31-May, 23:27
				•		
2.51 ECE	D 1.1	_	F 1 .	camera)	NI/IZ	1.1.00.20
3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	1-Jun, 00:28
2-4km ESE	Recorded		Explosion	Undetermined	N/K	1-Jun, 00:28
3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 00:29
3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	1-Jun, 00:30
3-5km E	Recorded	1	Projectile	S to N	N/K	1-Jun, 00:41
				S to N (also		
3-5km E	Recorded	1	Projectile	recorded by	N/K	1-Jun, 01:46
			j	Chermalyk	1	
				camera)		
3-5km E	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 01:46
				S to N (also		
3-5km ENE	Recorded	2	Projectile	recorded by	N/K	1-Jun, 01:47
3 3Km Eive	recorded	_	Trojectiic	Chermalyk	1771	1 3411, 01.17
				_		
				camera)		
i				camera) Airburst,		
				camera) Airburst, subsequent to		
3-5km FNF	Recorded	2	Explosion	camera) Airburst, subsequent to previous event	N/K	1-Jun 01:47
3-5km ENE	Recorded	2	Explosion	camera) Airburst, subsequent to previous event (also recorded by	N/K	1-Jun, 01:47
3-5km ENE	Recorded	2	Explosion	camera) Airburst, subsequent to previous event	N/K	1-Jun, 01:47
				camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera)		
3-5km E	Recorded	2	Projectile	camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera) N to S	N/K	1-Jun, 01:48
3-5km E 3-5km ENE	Recorded Recorded	2 6	Projectile Projectile	camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera) N to S N to S	N/K N/K	1-Jun, 01:48 1-Jun, 01:48
3-5km E	Recorded	2	Projectile	camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera) N to S N to S N to S	N/K	1-Jun, 01:48
3-5km E 3-5km ENE	Recorded Recorded	2 6	Projectile Projectile	camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera) N to S N to S	N/K N/K	1-Jun, 01:48 1-Jun, 01:48
3-5km E 3-5km ENE 3-5km ENE	Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile	camera) Airburst, subsequent to previous event (also recorded by Chermalyk camera) N to S N to S N to S	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49
3-5km E 3-5km ENE	Recorded Recorded	2 6	Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S (also	N/K N/K	1-Jun, 01:48 1-Jun, 01:48
3-5km E 3-5km ENE 3-5km ENE	Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S (also recorded by	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49
3-5km E 3-5km ENE 3-5km ENE	Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  Chermalyk N to S  Chermalyk	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49
3-5km E 3-5km ENE 3-5km ENE 3-5km ENE	Recorded Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  Chermalyk Camera)	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50
3-5km E 3-5km ENE 3-5km ENE	Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  Chermalyk camera)  N to S (also recorded by Chermalyk camera)  N to S (also	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49
3-5km E 3-5km ENE 3-5km ENE 3-5km ENE	Recorded Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S  N to S  N to S  N to S (also recorded by Chermalyk camera)  N to S (also recorded by Chermalyk camera)	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50
3-5km E 3-5km ENE 3-5km ENE 3-5km ENE	Recorded Recorded Recorded Recorded	2 6 12	Projectile Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S  N to S  N to S  N to S (also recorded by Chermalyk camera)  N to S (also recorded by Chermalyk camera)	N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50
3-5km E 3-5km ENE 3-5km ENE 3-5km ENE 3-5km ENE	Recorded Recorded Recorded Recorded Recorded	2 6 12 6	Projectile Projectile Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S (also recorded by Chermalyk camera)  N to S (also recorded by Chermalyk camera)	N/K N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50
3-5km E 3-5km ENE 3-5km ENE 3-5km ENE 3-5km ENE	Recorded Recorded Recorded Recorded Recorded Recorded	2 6 12 6	Projectile Projectile Projectile Projectile Projectile	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S  N to S  N to S  N to S (also recorded by Chermalyk camera)  N to S	N/K N/K N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50 1-Jun, 01:51
3-5km E 3-5km ENE  3-5km ENE  3-5km ENE  3-5km ENE  3-5km ENE  3-5km ENE	Recorded Recorded Recorded Recorded Recorded Recorded Recorded Recorded	2 6 12 6	Projectile Projectile Projectile Projectile Projectile Projectile Explosion Explosion	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S  N to S  N to S (also recorded by Chermalyk camera)  N to S (ulso recorded by Chermalyk camera)  N to S (ulso recorded by Chermalyk camera)  N to S	N/K N/K N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50 1-Jun, 01:51 1-Jun, 01:51 1-Jun, 01:52 1-Jun, 01:53
3-5km E 3-5km ENE  3-5km ENE  3-5km ENE  3-5km ENE  3-5km ENE  3-5km ESE  1-3km ESE	Recorded	2 6 12 6 3	Projectile Projectile Projectile Projectile Projectile Projectile Explosion	camera)  Airburst, subsequent to previous event (also recorded by Chermalyk camera)  N to S  N to S  N to S  N to S  N to S (also recorded by Chermalyk camera)  N to S (also recorded by Chermalyk camera)  N to S (also recorded by Chermalyk camera)  N to S (ulso recorded by Chermalyk camera)  N to S (ulso recorded by Chermalyk camera)  N to S  Undetermined Undetermined	N/K N/K N/K N/K N/K N/K N/K N/K	1-Jun, 01:48 1-Jun, 01:48 1-Jun, 01:49 1-Jun, 01:50 1-Jun, 01:51 1-Jun, 01:51

					recorded by		
					Chermalyk and		
					Pyshchevyk		
					cameras)		
	3-5km ESE	Recorded	4	Explosion	Undetermined	N/K	1-Jun, 02:00
	3-5km E	Recorded	2	Projectile	S to N	N/K	1-Jun, 02:36
	3-5km E	Recorded	8	Projectile	N to S (also recorded by Chermalyk and Pyshchevyk	N/K	1-Jun, 02:54
					cameras)		
	3-5km E	Recorded	4	Projectile	N to S	N/K	1-Jun, 02:54
	3-5km E	Recorded	1	Projectile	S to N	N/K	1-Jun, 02:54
	J-JKIII L	Recorded	1	Trojectife	N to S (also	11/12	1-Juli, 02.34
	3-5km E	Recorded	1	Projectile	recorded by Chermalyk camera)	N/K	1-Jun, 02:56
	3-5km E	Recorded	3	Projectile	S to N	N/K	1-Jun, 02:58
	1-3km ESE	Recorded	2	Explosion	Undetermined	N/K	1-Jun, 02:58
	1-3km E	Recorded	1	Projectile	W to E	N/K	1-Jun, 02:58
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 03:02
	3 JAM ESE	recorded	1	Expression	N to S (also	1012	1 0411, 05.02
	3-5km E	Recorded	3	Projectile	recorded by Chermalyk camera)	N/K	1-Jun, 03:09
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 03:09
	3-5km E	Recorded	3	Projectile	N to S	N/K	1-Jun, 03:10
	3-5km E	Recorded	4	Projectile	N to S	N/K	1-Jun, 03:11
	3-5km E	Recorded	4	Projectile	S to N	N/K	1-Jun, 03:14
	3-5km E	Recorded	3	Projectile	S to N	N/K	1-Jun, 03:16
	3-5km E	Recorded	2	Projectile	S to N	N/K	1-Jun, 03:19
SMM camera in							1 1 1111, 10 117
Krasnohorivka (government- controlled, 21km W of Donetsk)	3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	31-May, 23:16
SMM camera E	2-5km NE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 01:46
of Lomakyne	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	31-May, 21:34
(government-	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:12
controlled,	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:13
15km NE of	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:57
Mariupol)	3-5km NE	Recorded	3	Explosion	Undetermined	N/K	31-May, 23:06
SMM camera at	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	31-May, 23:22
entry-exit	1-2km ENE	Recorded	9	Projectile	NNW to SSE	N/K	1-Jun, 00:25
checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	1-2km ENE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 00:25
SMM camera at	2-5km S	Recorded	1	Projectile	W to E	N/K	31-May, 21:22
entry-exit checkpoint in Pyshchevyk (government-	2-5km SSE	Recorded	10	Projectile	E to W (also recorded by Chermalyk camera)	N/K	31-May, 21:43
controlled, 25km NE of Mariupol)	2-5km S	Recorded	1	Projectile	W to E (also recorded by Chermalyk camera)	N/K	31-May, 21:44
	2-5km S	Recorded	6	Projectile	W to E	N/K	31-May, 21:50
	2-5km SSE	Recorded	8	Projectile	E to W	N/K	31-May, 21:52
	2-5km S	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:08
1	2-5km S	Recorded	1	Explosion	Undetermined	N/K	31-May, 22:31
	2-5km S			F		N/K	31-May, 22:33

					recorded by Hnutove and Chermalyk		
	2 51 C	Recorded	1	E1	cameras) Undetermined	N/K	21 M 22.22
	2-5km S 2-5km SSE	Recorded	35	Explosion Projectile	E to W (also recorded by Chermalyk camera)	N/K	31-May, 22:33 31-May, 22:36
	2-4km S	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	31-May, 23:01
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	31-May, 23:01
	2-4km SSE	Recorded	9	Projectile	W to E	N/K	31-May, 23:27
	2-4km S	Recorded	1	Projectile	In vertical flight	N/K	1-Jun, 00:38
	2-4km SSE	Recorded	13	Projectile	W to E	N/K	1-Jun, 01:57
	2-4km SSE	Recorded	4	Burst	W to E	N/K	1-Jun, 01:57
	2-4km SE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 01:58
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 02:00
	2-4km SSE	Recorded	8	Projectile	E to W (also recorded by Hnutove and Chermalyk cameras)	N/K	1-Jun, 02:54
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	1-Jun, 02:54
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 02:54
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 03:07
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 03:09
Donetsk central railway station	3km NNW	Heard and saw	1	Explosion	Impact	N/K	1-Jun, 09:51
(non-	2km NW	Heard	10	Burst		HMG	1-Jun, 10:00
government- controlled, 6km NW of Donetsk city centre)	1.5-2km NW	Heard	10	Burst		Small arms	1-Jun, 10:00
About 1.5km S of Vesele (non-	2-3km W	Heard	11	Explosion	Undetermined	N/K	1-Jun, 11:05- 11:10
government-	1-2km W	Heard	3	Burst		HMG	1-Jun, 11:21
controlled, 9km NW of Donetsk)	1.5-2km W	Heard	19	Explosion	Undetermined	N/K	1-Jun, 11:22- 11:31
	1.5-2km W	Heard	26	Burst		HMG	1-Jun, 11:22- 11:31
SE edge of Avdiivka	2-3km SE	Heard	3	Burst		Small arms	1-Jun, 09:35
(government- controlled,	1-2km ESE	Heard	13	Burst		Small arms	1-Jun, 09:45- 10:15
17km N of Donetsk)	1-2km ESE	Heard	8	Burst		Small arms	1-Jun, 10:35- 10:50
	1-2km ESE	Heard	5	Burst		Small arms	1-Jun, 11:00- 11:50
	1-2km ESE	Heard	16	Shot		Small arms	1-Jun, 11:00- 11:50
About 1km NW of Yasynuvata railway station (non- government- controlled, 16km NE of Donetsk)	3-4km SSW 3-4km NNW	Heard Heard	5	Explosion  Explosion	Undetermined Undetermined	N/K N/K	1-Jun, 09:50 1-Jun, 10:07- 10:09
About 2km N of Petrivske (non-	1km SW	Heard and saw	1	Explosion	Impact (assessed as outside the	N/K	1-Jun, 12:16

	1	1	i	1	1 4	ı	
government-					disengagement		
controlled,					area)		
41km S of							
Donetsk)	2-3km SE	Hoond	3	Evaluation	I In determined	N/K	1 Jun 11.40
SE edge of	2-3KM SE	Heard	3	Explosion	Undetermined	N/K	1-Jun, 11:48
Pervomaiske							
(government-	2-3km SE	114	0	C14		Small	1 1 11.40
controlled,	2-3KM SE	Heard	9	Shot		arms	1-Jun, 11:48
17km NW of							
Donetsk) Svitlodarsk	4-5km SE	Heard	4	Burst		HMG	21 May 20,10
(government-	4-5km SE	Heard	2	Explosion	Undetermined	N/K	31-May, 20:10 31-May, 20:10
controlled,	5-6km NNE	Heard	10	Burst	Ondetermined	HMG	31-May, 20:10 31-May, 21:00
57km NE of							
Donetsk)	4-5km SE	Heard	5 2	Burst	TT 14 ' 1	HMG N/K	31-May, 21:38
Donetsky	4-5km SE	Heard		Explosion	Undetermined		31-May, 22:30
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	31-May, 23:34
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	31-May, 23:38
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	31-May, 23:42
** 1: 1 /	4-5km SE	Heard	1	Explosion	Undetermined	N/K	1-Jun, 07:58
Horlivka (non-							
government-	( 71	77 1		F 1 :	TT 1 1	NT/TZ	31-May, 21:40-
controlled,	6-7km NW	Heard	4	Explosion	Undetermined	N/K	21:45
39km NE of							
Donetsk)						G 11	
About 500m NE of Kamianka	2-4km E	Heard	8	Shot		Small	1-Jun, 09:11
						arms	
(government-	2-4km E	Heard	11	Shot		Small	1-Jun, 09:18
controlled, 20km N of						arms	•
Donetsk)	2-4km E	Heard	11	Shot		Small	1-Jun, 09:25
	4.51 CXV	TT 1	2	F 1 :	TT 1 1	arms	1.1.10.20
SW edge of	4-5km SW	Heard	2	Explosion	Undetermined	N/K	1-Jun, 10:20
Novoluhanske							
(government-	4-5km WNW	Hoond	1	Evaluation	I In determined	N/K	1 Jun 11.50
controlled, 53km NE of	4-3km WNW	Heard	1	Explosion	Undetermined	IN/K	1-Jun, 11:59
Donetsk)							
N edge of		+				1	31-May, 20:47-
Popasna	3-5km SSE	Heard	16	Burst		HMG	21:20
(government-							21.20
controlled,						Mortar	31-May, 20:47-
69km W of	3-5km SSE	Heard	6	Shot		(82mm)	21:20
Luhansk)						(6211111)	21.20
S edge of							
Berezivske							
(non-							
government-	2-3km NW	Heard	11	Burst		N/K	1-Jun, 10:53-
controlled,	2 3 1 1 1 1 1 1	Troura	- 11	Buist		1 1/12	11:05
53km NW of							
Luhansk)							
Nyzhnoteple						1	
(government-							
controlled,	1.5-2km SSE	Heard	23	Explosion	Outgoing	N/K	1-Jun, 12:00-
26km N of	1.5 Zinn bbL	Troura	23	Expression	Guigonig	1 1/12	12:08
Luhansk)							
SMM camera in	0.41.65-	- ·	_	Illumination		27.77	4 7 6: -:
Berezove	2-4km SSE	Recorded	1	flare	In vertical flight	N/K	1-Jun, 21:56
(government-	2.41. 27	D ::	_	Illumination	y	27/77	1 7 22 27
controlled,	2-4km SE	Recorded	1	flare	In vertical flight	N/K	1-Jun, 22:04
31km SW of	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	1-Jun, 22:18
Donetsk)				Illumination			
,	3-5km SE	Recorded	1	flare	In vertical flight	N/K	2-Jun, 00:01
SMM camera in	3-5km SSE	Recorded	1	Explosion	In vertical flight	N/K	1-Jun, 21:03
Chermalyk	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 21:13
(government-			<u> </u>	J	ENE to WSW		-,
controlled,	3-5km SSE	Recorded	1	Burst	(also recorded by	N/K	1-Jun, 21:31
31km NE of			1 -		Hnutove camera)	1	
	1	İ	1	1	immo (C camera)	1	1

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3-5km SSE	1	3-5km SSE	Recorded	1	Projectile	WNW to ESE (also recorded by Hnutove camera)	N/K	1-Jun, 21:34
3-5km SSE		3-5km SSE	Recorded	1	Projectile	W to E (also recorded by	N/K	1-Jun, 21:36
2-4km SSE		2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 21:36
2-4km SSE		3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	
2-4km SSE		2-4km SSE	Recorded				N/K	
2-4km SSE						(also recorded by		
2-4km SSE		2-4km SSE	Recorded	1	Projectile	WNW to ESE (also recorded by		1-Jun, 21:51
2-4km SSE		2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	1-Jun, 21:57
S-5km SE		2-4km SSE	Recorded	1	Explosion	recorded by	N/K	1-Jun, 21:57
S-5km SE		2-4km SSE	Recorded	2	Projectile		N/K	1-Jun, 21:57
3-5km SE						ENE to WSW (also recorded by		
3-5km SE		3-5km SE	Recorded	7	Projectile		N/K	1-Jun. 22:00
3-5km SE								
3-5km SE								
3-5km SE								
3-5km SE								
3-5km SE								
3-5km SE								
3-5km SE		J-JKIII DL	Recorded	- 1	Trojectife		17/10	1-3411, 22.21
3-5km SSE		3-5km SE	Recorded	1	Projectile	(also recorded by		1-Jun, 22:30
3-5km SSE		3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 22:35
3-5km SSE		3-5km SSE	Recorded	1	Projectile	(also recorded by	N/K	1-Jun, 22:36
3-5km S   Recorded   3   Projectile   WSW to ENE   N/K   1-Jun, 22:45		3-5km SSE	Recorded	1	Projectile	/	N/K	1-Jun. 22:37
3-5km S   Recorded   19    Projectile   WSW to ENE   N/K   1-Jun, 22:46								
3-5km SE								
3-5km SE								
3-5km SE								
3-5km SSE								
3-5km SSE Recorded 1 Projectile (also recorded by Hnutove camera)  3-5km SE Recorded 1 Projectile ENE to WSW N/K 1-Jun, 22:56  3-5km SSE Recorded 6 Projectile WSW to ENE N/K 1-Jun, 22:58  3-5km SSE Recorded 1 Projectile WSW to ENE N/K 1-Jun, 22:59  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 22:58  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 22:58  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:02  4-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  5-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:11  4-Jun, 23:11  5-5km SSE Recorded 1 Explosion ENE to WSW  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  5-5km SSE Recorded 1 Explosion ENE to WSW  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  5-5km SSE Recorded 1 Explosion ENE to WSW  4-Jun, 23:19  4-Jun, 23:19  4-Jun, 23:19  4-Jun, 23:19  4-Jun, 23:20								
3-5km SE         Recorded         1         Projectile         ENE to WSW         N/K         1-Jun, 22:56           3-5km SSE         Recorded         6         Projectile         WSW to ENE         N/K         1-Jun, 22:58           3-5km SSE         Recorded         1         Projectile         WSW to ENE         N/K         1-Jun, 22:59           3-5km SSE         Recorded         1         Explosion         Undetermined         N/K         1-Jun, 23:02           3-5km SSE         Recorded         6         Projectile         (also recorded by Hnutove camera)         N/K         1-Jun, 23:03           2-4km SSE         Recorded         2         Projectile         (also recorded by Hnutove camera)         N/K         1-Jun, 23:11           3-5km SSE         Recorded         1         Explosion         Also recorded by Hnutove camera         N/K         1-Jun, 23:19           3-5km SSE         Recorded         3         Projectile         (also recorded by Hnutove camera         N/K         1-Jun, 23:19           2-4km SE         Recorded         1         Projectile         NE to SW         N/K         1-Jun, 23:19						WSW to ENE (also recorded by		
3-5km SSE Recorded 6 Projectile WSW to ENE N/K 1-Jun, 22:58 3-5km SSE Recorded 1 Projectile WSW to ENE N/K 1-Jun, 22:59 3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 22:58  3-5km SSE Recorded 6 Projectile (also recorded by Hnutove camera)  2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:02  ENE to WSW 2-4km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  ENE to WSW (also recorded by Hnutove camera)  Also recorded by Hnutove camera  Also recorded by Hnutove camera  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW  3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera)  ENE to WSW  (also recorded by Hnutove camera)  ENE to WSW  (also recorded by N/K 1-Jun, 23:19  ENE to WSW  (also recorded by Hnutove camera)  ENE to WSW  (also recorded by Hnutove camera)  ENE to WSW  (also recorded by Hnutove camera)		3-5km SE	Recorded	1	Projectile		N/K	1-Jun. 22:56
3-5km SSE Recorded 1 Projectile WSW to ENE N/K 1-Jun, 22:59 3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 22:58  WSW to ENE (also recorded by Hnutove camera)  2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:02  ENE to WSW 2-4km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  ENE to WSW (also recorded by Hnutove camera)  Also recorded by Hnutove camera  Also recorded by Hnutove camera  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW  3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)								
3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 22:58  3-5km SSE Recorded 6 Projectile (also recorded by Hnutove camera)  2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:02  2-4km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera)  ENE to WSW  (also recorded by Hnutove camera)								
3-5km SSE Recorded 6 Projectile (also recorded by Hnutove camera)  2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  2-4km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:11  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  N/K 1-Jun, 23:19  ENE to WSW (also recorded by Hnutove camera)								
2-4km SSE Recorded 1 Explosion Undetermined N/K 1-Jun, 23:03  2-4km SSE Recorded 2 Projectile (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  N/K 1-Jun, 23:19  ENE to WSW (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)						WSW to ENE (also recorded by		
2-4km SSE Recorded 2 Projectile ENE to WSW (also recorded by Hnutove camera)  3-5km SSE Recorded 1 Explosion Also recorded by Hnutove camera  3-5km SSE Recorded 3 Projectile ENE to WSW (also recorded by Hnutove camera ENE to WSW (also recorded by Hnutove camera)  2-4km SE Recorded 1 Projectile NE to SW N/K 1-Jun, 23:19		2-4km SSE	Recorded	1	Explosion		N/K	1-Jun. 23:03
3-5km SSE Recorded 1 Explosion Hnutove camera N/K 1-Jun, 23:19  BNE to WSW (also recorded by Hnutove camera)  2-4km SE Recorded 1 Projectile NE to SW N/K 1-Jun, 23:20					•	ENE to WSW (also recorded by Hnutove camera)		
3-5km SSE Recorded 3 Projectile (also recorded by Hnutove camera) N/K 1-Jun, 23:19  2-4km SE Recorded 1 Projectile NE to SW N/K 1-Jun, 23:20		3-5km SSE	Recorded	1	Explosion	Hnutove camera	N/K	1-Jun, 23:19
					J	(also recorded by Hnutove camera)		·
3-5km SSE   Recorded   1   Explosion   N/K   1-Jun, 23:21						NE to SW		
		3-5km SSE	Recorded	1	Explosion		N/K	1-Jun, 23:21

2-4km SSE	Recorded	4	Projectile	WNW to ESE	N/K	1-Jun, 23:26
2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	1-Jun, 23:28
3-5km SSE	Recorded	1	Explosion	Also recorded by Hnutove camera	N/K	1-Jun, 23:31
3-5km SSE	Recorded	5	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	1-Jun, 23:32
3-5km SSE	Recorded	1	Explosion	Also recorded by Hnutove camera	N/K	1-Jun, 23:32
3-5km SSE	Recorded	4	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	1-Jun, 23:33
3-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	1-Jun, 23:34
3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 23:35
3-5km SSE	Recorded	2	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	1-Jun, 23:36
3-5km SSE	Recorded	7	Projectile	WSW to ENE	N/K	1-Jun, 23:38
3-5km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	1-Jun, 23:38
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	1-Jun, 23:42
2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	1-Jun, 23:43
2-4km SSE	Recorded	1	Projectile	ENE to WSW (also recorded by Hnutove camera)	N/K	1-Jun, 23:45
2-4km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	1-Jun, 23:45
2-4km SSE	Recorded	1	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	1-Jun, 23:47
2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	1-Jun, 23:51
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	1-Jun, 23:53
2-4km S	Recorded	3	Projectile	WSW to ENE	N/K	1-Jun, 23:54
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	2-Jun, 00:02
2-4km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	2-Jun, 00:08
2-4km SSE	Recorded	1	F1:	Undetermined (also recorded by	N/K	2-Jun, 00:23
			Explosion		1 1/12	2 0411, 00.23
3-5km SSE	Recorded	4	Projectile	Hnutove camera) WSW to ENE (also recorded by Hnutove camera)	N/K	2-Jun, 00:24
	Recorded Recorded	4 19	_	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)		
2-4km SSE			Projectile	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)	N/K	2-Jun, 00:24
2-4km SSE  2-4km SSE  2-4km SSE	Recorded  Recorded	19 1	Projectile Projectile Projectile Explosion	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by Hnutove camera)	N/K N/K N/K	2-Jun, 00:24 2-Jun, 00:27 2-Jun, 00:27 2-Jun, 00:27
2-4km SSE  2-4km SSE  2-4km SSE	Recorded Recorded	19 1 1	Projectile Projectile Explosion Projectile	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by	N/K N/K N/K	2-Jun, 00:24 2-Jun, 00:27 2-Jun, 00:27 2-Jun, 00:27
2-4km SSE  2-4km SSE  2-4km SSE	Recorded  Recorded	19 1	Projectile Projectile Projectile Explosion	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by Hnutove camera)	N/K N/K N/K	2-Jun, 00:24  2-Jun, 00:27  2-Jun, 00:27  2-Jun, 00:28  2-Jun, 00:28
2-4km SSE  2-4km SSE  2-4km SSE  2-4km SE  2-4km SE	Recorded  Recorded  Recorded	19 1 1	Projectile Projectile Explosion Projectile	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by Hnutove camera)  ENE to WSW	N/K N/K N/K	2-Jun, 00:24  2-Jun, 00:27  2-Jun, 00:27  2-Jun, 00:27
2-4km SSE  2-4km SSE  2-4km SSE  2-4km SE  2-4km SE  2-4km SSE	Recorded  Recorded  Recorded  Recorded  Recorded	19 1 1 8 2	Projectile Projectile Explosion Projectile Projectile	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by Hnutove camera)  ENE to WSW  WSW to ENE	N/K  N/K  N/K  N/K	2-Jun, 00:24  2-Jun, 00:27  2-Jun, 00:27  2-Jun, 00:28  2-Jun, 00:28
3-5km SSE  2-4km SSE  2-4km SSE  2-4km SE  2-4km SE  2-4km SE  2-4km SE  2-4km SE  2-4km SE	Recorded  Recorded  Recorded  Recorded  Recorded  Recorded	19 1 1 1 8 2 3	Projectile Projectile Explosion Projectile Projectile Projectile	Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  WSW to ENE (also recorded by Hnutove camera)  ENE to WSW (also recorded by Hnutove camera)  SSE to NNW (airburst, subsequent to previous event, also recorded by Hnutove camera)  ENE to WSW  WSW to ENE ENE to WSW  Undetermined (also recorded by	N/K N/K N/K N/K N/K N/K N/K	2-Jun, 00:24  2-Jun, 00:27  2-Jun, 00:27  2-Jun, 00:28  2-Jun, 00:28  2-Jun, 00:29

	1.5-3km S				Hnutove camera)		
	1.5-3km S						
		Recorded	24	Projectile	WNW to ESE	N/K	2-Jun, 01:03
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	2-Jun, 01:04
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	2-Jun, 01:04
	3-5km SSE	Recorded	2	Burst	WSW to ENE (also recorded by Hnutove camera)	N/K	2-Jun, 01:06
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Jun, 01:20
-	Z IKIII OOL	recorded	-	Trojectife	NE to SW (also	10/15	2 3411, 01.20
	3-5km SSE	Recorded	4	Projectile	recorded by Hnutove camera)	N/K	2-Jun, 01:21
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Jun, 01:27
	2-4km SSE	Recorded	2	Burst	WSW to ENE (also recorded by Hnutove camera)	N/K	2-Jun, 01:34
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	2-Jun, 01:40
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	2-Jun, 01:45
	3-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	2-Jun, 01:45
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	2-Jun, 01:51
	3-5km SSE	Recorded	1	Explosion	Impact	N/K	2-Jun, 01:51
		Recorded			Undetermined (also recorded by	N/K	
	4-6km S		1	Explosion	Pyshchevyk camera)		2-Jun, 01:54
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	2-Jun, 02:19
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	2-Jun, 02:20
	2-4km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	2-Jun, 02:25
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Jun, 02:27
	2-4km SSE	Recorded	3	Projectile	WSW to ENE (also recorded by Hnutove camera)	N/K	2-Jun, 02:30
	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	2-Jun, 02:35
	2-4km SSE	Recorded	3	Projectile	WSW to ENE (also recorded by	N/K	2-Jun, 02:36
					Hnutove camera)		
_	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	2-Jun, 02:49
	2-4km S	Recorded	2	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	2-Jun, 03:05
	2-4km SSE	Recorded	1	Explosion	Undetermined (also recorded by Hnutove camera)	N/K	2-Jun, 03:18
SMM camera at	0.7-2km S	Recorded	2	Projectile	W to E	N/K	1-Jun, 21:45
	0.7-2km S	Recorded	1	Projectile	W to E	N/K	1-Jun, 21:48
	0.7-2km S	Recorded	1	Projectile	W to E	N/K	1-Jun, 21:49
Station (15km N	1.5-2km SW	Recorded	1	Projectile		N/K	1-Jun, 22:02
of Donetsk)	1.5-2km SW	Recorded	4	Projectile	NW to SE	N/K	1-Jun, 22:03
	1-2km SW	Recorded	1	Illumination flare	WNW to ESE	N/K	1-Jun, 23:08
SMM camera 1.5km NE of Hnutove (government-	3-5km E	Recorded	1	Burst	NE to SW (also recorded by Chermalyk camera)	N/K	1-Jun, 21:31
controlled,	3-5km ENE	Recorded	1	Projectile	NE to SW (also recorded by Chermalyk camera)	N/K	1-Jun, 21:34
	3-5km ENE	Recorded	1	Projectile	NE to SW (also recorded by Chermalyk camera)	N/K	1-Jun, 21:36
	3-5km ENE					N/K	1-Jun, 21:38

				(also recorded by Chermalyk camera)		
3-5km ENE	Recorded	1	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	1-Jun, 21:51
3-5km E	Recorded	1	Explosion	Also recorded by Chermalyk camera	N/K	1-Jun, 21:57
3-5km E	Recorded	1	Explosion		N/K	1-Jun, 21:57
3-5km E	Recorded	1	Projectile	S to N (also recorded by Chermalyk camera)	N/K	1-Jun, 21:58
3-5km ENE	Recorded	1	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 22:30
3-5km ENE	Recorded	1	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 22:36
2-4km ENE	Recorded	1	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 22:56
2-4km ENE	Recorded	3	Projectile	N to S	N/K	1-Jun, 22:58
2-4km ENE	Recorded	6	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 23:02
3-5km E	Recorded	2	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 23:11
3-5km E	Recorded	4	Projectile	NNW to SSE	N/K	1-Jun, 23:15
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 23:19
3-5km E	Recorded	3	Projectile	N to S (also recorded by Chermalyk camera)	N/K	1-Jun, 23:19
3-5km ENE	Recorded	1	Projectile	N to S	N/K	1-Jun, 23:26
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 23:31
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 23:32
3-5km ENE	Recorded	5	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	1-Jun, 23:32
3-5km ENE	Recorded	4	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	1-Jun, 23:33
3-5km ENE	Recorded	1	Projectile	NNW to SSE	N/K	1-Jun, 23:34
3-5km E	Recorded	2	Projectile	NNW to SSE (also recorded by Chermalyk	N/K	1-Jun, 23:36

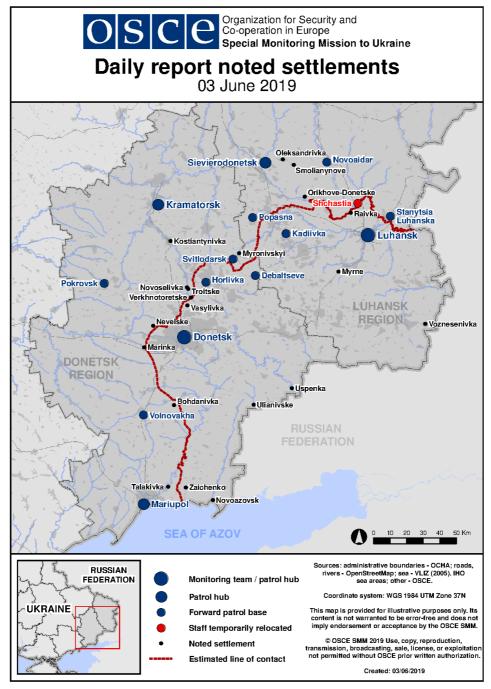
	1	_		camera)		
2-4km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 23:38
3-5km E	Recorded	1	Projectile	S to N (also recorded by Chermalyk camera)	N/K	1-Jun, 23:45
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	1-Jun, 23:45
3-5km ENE	Recorded	1	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	1-Jun, 23:47
2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	1-Jun, 23:54
3-5km E	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	2-Jun, 00:08
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	2-Jun, 00:23
3-5km ENE	Recorded	4	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	2-Jun, 00:24
3-5km ENE	Recorded	19	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	2-Jun, 00:27
3-5km ENE	Recorded	1	Projectile	WNW to ESE (also recorded by Chermalyk camera)	N/K	2-Jun, 00:27
3-5km ENE	Recorded	2	Explosion	Airburst, subsequent to previous event (also recorded by Chermalyk camera)	N/K	2-Jun, 00:27
3-5km ENE	Recorded	2	Projectile	NW to SE	N/K	2-Jun, 00:28
3-5km ENE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	2-Jun, 00:31
3-5km ENE	Recorded	2	Projectile	NNW to SSE (also recorded by Chermalyk camera)	N/K	2-Jun, 00:41
3-5km ENE	Recorded	2	Burst	N to S (, also recorded by Chermalyk camera)	N/K	2-Jun, 01:06
3-5km E	Recorded	4	Projectile	In vertical flight (also recorded by Chermalyk camera)	N/K	2-Jun, 01:21
3-5km E	Recorded	2	Burst	N to S (, also recorded by Chermalyk camera)	N/K	2-Jun, 01:34
3-5km E	Recorded	9	Projectile	In vertical flight (	N/K	2-Jun, 01:45

1	1	Í	İ	I	also recorded by	ſ	I
					Pyshchevyk		
					camera)		
					Undetermined		
					(also recorded by		
	2-4km ENE	Recorded	1	Explosion	Chermalyk	N/K	2-Jun, 02:25
					camera)		
					N to S (also		
					recorded by		
	2-4km ENE	Recorded	3	Projectile	Chermalyk	N/K	2-Jun, 02:30
					camera)		
					N to S (also		
					`		
	2-4km ENE	Recorded	3	Projectile	recorded by Chermalyk	N/K	2-Jun, 02:36
					camera)		
					Undetermined		
					(also recorded by		
	2-4km ESE	Recorded	2	Explosion	Chermalyk	N/K	2-Jun, 03:05
					camera)		
	2 Alem ESE	Dagandad	2	Evaluation	Undetermined	NI/IZ	2 Jun 02.11
	2-4km ESE	Recorded Recorded	2	Explosion		N/K	2-Jun, 03:11
	2-4km ESE 2-4km ESE		3 2	Explosion	Undetermined	N/K N/K	2-Jun, 03:14
	Z-4KIN ESE	Recorded		Explosion	Undetermined	1N/ fX	2-Jun, 03:15
					Undetermined		
	2-4km ENE	Recorded	1	Explosion	(also recorded by	N/K	2-Jun, 03:18
				1	Chermalyk		, i
	2.41 EGE	D 1.1	- 1	г 1 :	camera)	NT/TZ	2.1 02.22
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	2-Jun, 03:22
	2-4km E	Recorded	3	Explosion	Undetermined	N/K	2-Jun, 03:23
0.07	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	2-Jun, 03:25
SMM camera in	2-5km ESE	Recorded	2	Projectile	N to S	N/K	1-Jun, 22:01
Krasnohorivka	2-5km ESE	Recorded	7	Projectile	N to S	N/K	1-Jun, 22:02
(government-	2 51 65				NNW to SSE	3.7.77	
controlled,	2-5km SE	Recorded	13	Projectile	(also recorded by	N/K	1-Jun, 22:02
21km W of	2.51	5 11	10		Berezove camera)	3.7.77	1 7 22 02
Donetsk)	2-5km SE	Recorded	12	Projectile	NNW to SSE	N/K	1-Jun, 22:02
	2-5km SE	Recorded	3	Projectile	NE to SW	N/K	1-Jun, 22:03
	2-5km SE	Recorded	7	Projectile	NE to SW	N/K	1-Jun, 22:04
	3-5km ESE	Recorded	1	Projectile	NNE to SSW	N/K	2-Jun, 02:18
SMM camera E					Undetermined		
of Lomakyne	2-4km NE	Recorded	1	Explosion	(also recorded by	N/K	1-Jun, 21:57
(government-				•	Chermalyk and		
controlled,	2.41	D 1.1		P 1 .	Hnutove cameras)	27/77	1.7. 22.20
15km NE of	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	1-Jun, 23:28
Mariupol)	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	2-Jun, 00:27
SMM camera at	2-4km ENE	Recorded	8	Projectile	NW to SE	N/K	1-Jun, 23:10
entry-exit	2-4km ENE	Recorded	3	Projectile	NW to SE	N/K	1-Jun, 23:15
checkpoint in	2-4km ENE	Recorded	9	Projectile	NW to SE	N/K	1-Jun, 23:16
Maiorsk	2-4km ENE	Recorded	3	Projectile	ENE to WSW	N/K	1-Jun, 23:22
(government- controlled,	2-4km ENE	Recorded	1	Burst	ENE to WSW	N/K	1-Jun, 23:23
45km NE of	2 41mm ENE	Doc3 1	2	Denois -4:1	NW +- CE	NI/IZ	2 In 00.20
Donetsk)	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	2-Jun, 00:20
SMM camera at		1				1	
entry-exit							
checkpoint in							
Marinka						1	
(government-	2-4km N	Recorded	2	Projectile	ESE to WNW	N/K	1-Jun, 22:12
controlled,						1	
23km SW of							
Donetsk)						1	
SMM camera at	3-5km SSE	Recorded	4	Projectile	E to W	N/K	1-Jun, 23:13
entry-exit	3-5km SSE 3-5km SSE	Recorded	1	Burst	E to W	N/K N/K	1-Jun, 23:13 1-Jun, 23:14
checkpoint in		Recorded		Projectile Projectile			
	3-5km SSE		8		E to W	N/K	1-Jun, 23:15
Pyshchevyl	2 51cm C	D 000mJ-J	4				
Pyshchevyk (government-	3-5km S 3-5km SSE	Recorded Recorded	6	Projectile Projectile	E to W E to W	N/K N/K	2-Jun, 01:15 2-Jun, 01:21

controlled, 25km NE of Mariupol)	3-5km SSE	Recorded	9	Projectile	E to W (in vertical flight, also recorded by Hnutove camera)	N/K	2-Jun, 01:45
	3-5km SSE	Recorded	1	Explosion	Undetermined (also recorded by Chermalyk camera)	N/K	2-Jun, 01:54
About 1km NW of the railway	3-5km SW	Heard	2	Explosion	Undetermined	N/K	2-Jun, 09:15- 09:17
station in Yasynuvata	3-5km SW	Heard	1	Explosion	Impact	N/K	2-Jun, 09:15- 09:17
(non-	3-5km SW	Heard	5	Burst		HMG	2-Jun, 09:18
government-	7-8km SW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 09:41
controlled,	3-5km SW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 12:14
16km NE of	3-5km SW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 13:13
Donetsk)	2-3km SW	Heard	6	Shot		Small arms	2-Jun, 14:00- 14:06
	2-3km SW	Heard	4	Burst		Small arms	2-Jun, 14:00- 14:06
	3-5km SW	Heard	10	Burst		HMG	2-Jun, 14:20
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	2-Jun, 14:20
SE edge of	3-4km S	Heard	4	Explosion	Undetermined	N/K	2-Jun, 10:30
Avdiivka	3-4km S	Heard	13	Shot		HMG	2-Jun, 10:30
(government-	3-4km S	Heard	12	Shot		HMG	2-Jun, 10:35
controlled,	3-4km S	Heard	2	Explosion	Undetermined	N/K	2-Jun, 10:40
17km N of	4-5km S	Heard	1	Explosion	Undetermined	N/K	2-Jun, 10:46
Donetsk)	3-4km S	Heard	2	Explosion	Undetermined	N/K	2-Jun, 10:56
About 900m E	5-7km SW	Heard	1	Burst		HMG	2-Jun, 10:35
of Kruta Balka	5-7km SW	Heard	2	Explosion	Undetermined	N/K	2-Jun, 10:42
(non- government- controlled, 16km N of Donetsk)	5-7km SW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 10:56
Dokuchaievsk	2-3km E	Heard	3	Burst		HMG	2-Jun, 11:00
(non-	2-4km NW	Heard	2	Explosion	Undetermined	N/K	2-Jun, 11:10
government-	2-4km NW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 11:20
controlled, 30km SW of Donetsk)	2-4km SW	Heard	1	Explosion	Undetermined	N/K	2-Jun, 12:11
Pikuzy (non- government- controlled, 23km NE of Mariupol)	500m W	Heard	2	Shot		N/K	2-Jun, 12:51
Sakhanka (non- government	3-5km NW	Heard	3	Explosion		N/K	2-Jun, 11:07- 11:12
controlled, 24km NE of Mariupol)	3-4km NW	Heard and saw	7	Explosion	Impact (black smoke was spotted)	N/K	2-Jun, 11:18- 11:26
	3-4km NW	Heard	Unc ount able	Burst		Small arms	2-Jun, 11:18- 11:26
	3-4km NW	Heard	Unc ount able	Burst		HMG	2-Jun, 11:18- 11:26
About 2km SE of Lebedynske (government-	2-4km NNE	Heard and saw	1	Explosion	Impact (white smoke was spotted )	N/K	2-Jun, 10:49
controlled, 16km NE of Mariupol)	2-4km NW	Heard and saw	3	Explosion	Impact (black smoke was spotted)	N/K	2-Jun, 11:18
Svitlodarsk (government-	4-6km SSE	Heard	15	Burst		HMG	1-Jun, 21:58- 22:02

controlled, 57km NE of	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 21:58- 22:02
Donetsk)	4-6km SSE	Heard	15	Burst		HMG	1-Jun, 22:05- 22:07
	4-6km SSE	Heard	10	Explosion	Undetermined	N/K	1-Jun, 22:05- 22:07
	4-6km SSE	Heard	15	Burst		HMG	1-Jun, 22:10- 22:14
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 22:10- 22:14
	4-6km SSE	Heard	17	Burst		HMG	1-Jun, 22:16- 22:18
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 22:16- 22:18
	4-6km SSE	Heard	15	Burst		HMG	1-Jun, 22:20- 22:22
	4-6km SSE	Heard	5	Explosion	Undetermined	N/K	1-Jun, 22:20- 22:22
	4-6km SSE	Heard	10	Burst		HMG	1-Jun, 22:26- 22:28
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 22:26- 22:28
	4-6km SSE	Heard	7	Burst		HMG	1-Jun, 22:34
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	1-Jun, 22:34
	4-6km SSE	Heard	7	Burst		HMG	1-Jun, 22:39
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	1-Jun, 22:39
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	1-Jun, 22:51
	4-6km SE	Heard	25	Burst		HMG	1-Jun, 22:52
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	1-Jun, 22:52
	5-6km SE	Heard	3	Burst		HMG	1-Jun, 22:54
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	1-Jun, 22:54
	5-7km SSE	Heard	3	Burst		HMG	1-Jun, 22:56
	5-7km SSE	Heard	3	Explosion	Undetermined	N/K	1-Jun, 22:56
	5-7km SSE	Heard	4	Burst		HMG	1-Jun, 22:57
	5-7km SSE	Heard	15	Burst		HMG	1-Jun, 23:00
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 23:00
	4-6km SSE	Heard	15	Burst		HMG	1-Jun, 23:02
	4-6km SSE	Heard	4	Explosion	Undetermined	N/K	1-Jun, 23:02
	4-6km SSE	Heard	17	Burst		HMG	1-Jun, 23:04
	4-6km SSE	Heard	3	Explosion	Undetermined	N/K	1-Jun, 23:04
	5-7km SSE	Heard	12	Explosion	Undetermined	N/K	1-Jun, 23:07
	4-5km SSE	Heard	8	Explosion	Undetermined	N/K	1-Jun, 23:45- 23:59
	4-5km SSE	Heard	15	Shot		30mm cannon	1-Jun, 23:45- 23:55
	4-5km SSE	Heard	10	Burst		N/K	1-Jun, 23:50- 23:59
Horlivka (non- government-	4-5km NW	Heard	68	Burst		HMG	2-Jun, 01:37- 01:45
controlled, 39km NE of Donetsk)	4-5km NW	Heard	23	Explosion	Undetermined	N/K	2-Jun, 01:38- 01:44
About 500m NE of Kamianka (government- controlled, 20km N of Donetsk)	2-4km E	Heard	1	Explosion	Undetermined	N/K	2-Jun, 09:11

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



<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).