SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in						A	
Avdiivka (government-	2.51 0.00	D 11	2	F 1 ·	TT 1 / · 1	NT/17	22.14 10.42
controlled, 17km N of	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 19:43
Donetsk)							
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 18:39
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:39
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:40
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:40
	2-4km SE	Recorded	20	Projectile	ENE to WSW	N/K	22-Mar, 18:41
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:42
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:43
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:44
	2-4km SSE	Recorded	2	Burst	WSW to ENE	N/K	22-Mar, 18:49
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 18:49
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	22-Mar, 19:01
	2-4km SSE	Recorded	1	Burst	ENE to WSW	N/K	22-Mar, 19:04
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:05
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	22-Mar, 19:05
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	22-Mar, 19:05
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:06
	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	22-Mar, 19:06
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	22-Mar, 19:07
	2-4km SSE	Recorded	1	Burst	WSW to ENE	N/K	22-Mar, 19:08
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	22-Mar, 19:08
	2-4km SE	Recorded	35	Projectile	ENE to WSW	N/K	22-Mar, 19:14
SMM camera in	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:22
Chermalyk	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:26
(government-controlled,	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 19:27
31km NE of Mariupol)	1-3km SE	Recorded	7	Projectile	ENE to WSW	N/K	22-Mar, 19:37
5 min 102 of Marapoly	1-3km SE	Recorded	5	Projectile	ENE to WSW	N/K	22-Mar, 19:39
	1-3km SE	Recorded	40	Projectile	ENE to WSW	N/K	22-Mar, 19:40
	1-3km SE	Recorded	6	Projectile	ENE to WSW	N/K	22-Mar, 19:41
	1-3km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 19:45
	2-4km SE	Recorded	20	Projectile	ENE to WSW	N/K	22-Mar, 19:48
	2-4km SE	Recorded	15	Projectile	ENE to WSW	N/K	22-Mar, 19:49
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 19:53
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 19:54
	3-5km S	Recorded	8	Projectile	W to E	N/K	22-Mar, 20:20
	3-5km SSE	Recorded	2	Muzzle flash		N/K	22-Mar, 20:20
	3-5km S	Recorded	3	Projectile	W to E	N/K	22-Mar, 20:23
	3-5km S	Recorded	5	Projectile	W to E	N/K	22-Mar, 20:24
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	22-Mar, 22:24
	3-5km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 20:25
	3-5km S	Recorded	11	Projectile	W to E	N/K	22-Mar, 20:30
	3-5km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 20:42
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 20:42
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 22:15
	2-4km SE	Recorded	12	Projectile	ENE to WSW	N/K	22-Mar, 22:34
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 23:02
	2-4km S	Recorded	1	Projectile	NNE to SSW	N/K	22-Mar, 23:04
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	22-Mar, 23:29
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	22-Mar, 23:37

Table of ceasefire violations as of 24 March 2019¹

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

	0 41 00E		<i>c</i>	.		NT/17	22.34 00.44
	2-4km SSE	Recorded	6	Projectile	NE to SW	N/K	23-Mar, 00:44
	2-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	23-Mar, 00:47
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	23-Mar, 00:48
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:54
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:55
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 00:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 01:18
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 01:23
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 01:27
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 01:32
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 02:26
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 02:37
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	23-Mar, 02:37
	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	23-Mar, 02:48
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 02:48
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 03:15
	3-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 03:16
	3-5km SE	Recorded	8	Projectile	ENE to WSW	N/K	23-Mar, 03:51
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 03:52
	4-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 04:08
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	22-Mar, 18:16
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	22-Mar, 19:18
	1-3km SSW	Recorded	1	Projectile	In vertical flight	N/K	22-Mar, 21:19
SMM camera at Donetsk	1-3km S	Recorded	1	Projectile	W to E	N/K	22-Mar, 21:19
Filtration Station (15km	1-3km SW	Recorded	2	Projectile	E to W	N/K	22-Mar, 21:51
N of Donetsk)	0.5-1.5km S	Recorded	1	Projectile	E to W	N/K	22-Mar, 22:13
,	1-2km SW	Recorded	1	Illumination	W to E	N/K	23-Mar, 03:52
	1-2km S	Recorded	1	flare Projectile	E to W	N/K	23-Mar, 04:02
	2-4km ENE	Recorded	1	Burst	S to N	N/K	23-Mar, 04.02 22-Mar, 19:04
	2-4km ENE	Recorded	3	Muzzle flash	5 10 1	N/K	22-Mar, 19:04 22-Mar, 20:08
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	22-Mar, 20:08
			1	Projectile	N to S	N/K	
	2-4km ENE	Recorded	1	2		N/K	22-Mar, 20:10
	3-5km E 2-4km ENE	Recorded	-	Explosion	Undetermined		22-Mar, 20:15
		Recorded	3	Projectile	N to S	N/K	22-Mar, 20:20
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:23
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	22-Mar, 20:24
SMM camera 1.5km NE	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:25
of Hnutove	2-4km ENE	Recorded	3	Projectile	N to S	N/K	22-Mar, 20:26
(government-controlled, 20km NE of Mariumal)	2-4km ENE	Recorded	9	Projectile	N to S	N/K	22-Mar, 20:27
20km NE of Mariupol)	2-4km ENE	Recorded	-	Projectile	N to S	N/K	22-Mar, 20:30
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	22-Mar, 20:34
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:36
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	22-Mar, 20:37
	2-4km ENE	Recorded	3 2	Projectile	N to S	N/K	22-Mar, 20:38
	2-4km ENE	Recorded	<u>∠</u> 1	Projectile	S to N	N/K	22-Mar, 20:39
	2-4km ENE 2-4km ENE	Recorded	1	Explosion	Undetermined S to N	N/K	22-Mar, 21:05
		Recorded	2 5	Projectile	S to N	N/K N/K	22-Mar, 21:07
SMM camera at entry-	2-4km SE	Recorded	2	Projectile	S to N	IN/K	23-Mar, 02:48
exit checkpoint in	2-4km ENE	Recorded	Ζ	Burst	S to N		22-Mar, 19:04
Maiorsk (government-	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	22-Mar, 19:36
controlled, 45km NE of Donetsk)	2-4km E	Recorded	3	Explosion	Undetermined	N/K	22-Mar, 19:44
SMM camera at entry-	3-5km N	Recorded	5	Explosion	Undetermined	N/K	22-Mar, 19:47
exit checkpoint in	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:50
Marinka (government-	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:51
controlled, 23km SW of Donetsk)	3-5km N	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 19:53
SMM camera at entry-	2-4km SSE	Recorded	1	Projectile	E to W	N/K	22-Mar, 19:08
exit checkpoint in	2-4km S	Recorded	2	Projectile	W to E	N/K	22-Mar, 19:00
Pyshchevyk	3-7km S	Recorded	8	Projectile	E to W	N/K	22-Mar, 20:30
(government-controlled,	3-7km SSE	Recorded	1	Projectile	W to E	N/K	22-Mar, 20:30
Contraction controlled,	5 , KHI 50L	iceoided	1	rojeenie	11 IO L	± 1/ 1X	22 mui, 21.00

25km NE of Mariupol)	3-7km S	Recorded	8	Projectile	E to W	N/K	22-Mar, 21:33
	100-900m S	Recorded	1	Projectile	NW to SE	N/K	22-Mar, 23:41
	3-5km S	Recorded	3	Projectile	W to E	N/K	23-Mar, 02:37
	3-5km S	Recorded	4	Projectile	W to E	N/K	23-Mar, 02:48
	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Mar, 02:48
	3-5km S	Recorded	2	Projectile	E to W	N/K	23-Mar, 03:48
Debaltseve (non-	8-10km W	Heard	4	Explosion	Undetermined	N/K	22-Mar, 21:28
government-controlled,	8-10km W	Heard	1	Explosion	Undetermined	N/K	23-Mar, 04:47
58km NE of Donetsk)	8-10km W	Heard	2	Explosion	Undetermined	N/K	23-Mar, 05:34
Donetsk central railway	5-6km NW	Heard	7	Explosion	Undetermined	N/K	23-Mar, 08:50
station (non- government-controlled, 6km NW of Donetsk city centre)	3-4km W	Heard	5	Burst		HMG	23-Mar, 09:16
	1km NE	Heard	2	Burst		HMG	23-Mar, 09:00
	11-m CW	Heend	5	C1 4		Small	22 Mar. 00.59
	1km SW	Heard	5	Shot		arms	23-Mar, 09:58
About 1km NW of the	1-2km SW	Heard	1	Explosion	Undetermined	N/K	23-Mar, 10:04
railway station in Yasynuvata (non-	1-2km SE	Heard	1	Shot		Small	22 Mar. 10:22
government-controlled,	1-2KIII SE	пеага	1	Shot		arms	23-Mar, 10:23
16km NE of Donetsk)	1-2km SE	Heard	3	Shot		Small	23-Mar, 10:28
						arms	-
	1-2km SE	Heard	3	Burst		Small	23-Mar, 10:30
Railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	arms N/K	23-Mar, 13:10
	1-2km NW	Heard	2	Shot		Small arms	23-Mar, 14:25
About 4km NW of Kalynivka (non-	1-2km NW	Heard	1	Burst		Small arms	23-Mar, 14:28
government-controlled, 55km NE of Donetsk)	1-3km NE	Heard	20	Burst		HMG	23-Mar, 14:37- 14:43
	1-3km NE	Heard	27	Shot		Small arms	23-Mar, 14:37- 14:43
1km NNW of Pyshchevyk	N/K NE	Heard	3	Shot		Small arms	23-Mar, 09:32
(government-controlled, 25km NE of Mariupol)	N/K NE	Heard	1	Shot		Small arms	23-Mar, 10:22
Pikuzy (formerly Kominternove, non- government-controlled, 23km NE of Mariupol)	N/K N	Heard	3	Shot		Small arms	23-Mar, 13:15
Mariupol city centre (government-controlled,	N/K SW	Heard	3	Explosion	Undetermined	N/K	23-Mar, 18:23- 18:24
102km S of Donetsk)	N/K SW	Heard	40	Shot		Small arms	23-Mar, 18:23- 18:24
Horlivka (non- government-controlled, 39km NE of Donetsk)	3-4km WNW	Heard	3	Explosion	Undetermined	N/K	22-Mar, 18:49- 18:52
SMM camera in Kriakivka (government- controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 18:57
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-5km ESE	Recorded	1	Explosion	Undetermined	N/K	22-Mar, 20:59
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	0.1-1km E	Recorded	1	Explosion	Undetermined, (assessed as outside the disengagement area)	N/K	22-Mar, 22:13
SMM camera in	1-2km SSE	Recorded	1	Explosion	Undetermined,	N/K	22-Mar, 22:13

Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)					(assessed as inside the disengagement area)		
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ENE	Recorded	2	Projectile	N to S (assessed as outside the disengagement area)	N/K	23-Mar, 03:28
Kadiivka (formerly Stakhanov, non-	10-15km W	Heard	23	Explosion	Undetermined	N/K	22-Mar, 18:05- 18:30
government-controlled 50km W of Luhansk)	10-15km NW	Heard	43	Explosion	Undetermined	N/K	22-Mar, 18:05- 18:30
Holubivka (formerly Kirovsk, non-	8-10km WNW	Heard	3	Explosion	Undetermined	N/K	23-Mar, 08:53- 08:58
government-controlled, 51km W of Luhansk)	6-8km NW	Heard	9	Explosion	Undetermined	N/K	23-Mar, 09:44- 09:46
500m S of Zolote-	2-3km N	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Mar, 09:10- 09:25
5/Mykhailivka (non- government-controlled, 58km W of Luhansk)	2-3km NNW	Heard	4	Shot	Assessed as inside the disengagement area	Cannon (30mm)	23-Mar, 09:20- 09:25
	2-3km N	Heard	35	Burst	Assessed as outside the disengagement area	HMG	23-Mar, 09:20- 09:25
SW edge of Zolote- 5/Mykhailivka (non- government-controlled, 58km W of Luhansk)	1-1.5km N	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Mar, 09:45
1km S of Berezivske (non-government- controlled, 53km NW of Luhansk)	3km NW	Heard	3	Burst		HMG	23-Mar, 10:00
11-m W af Smile (non	3-5km NNE	Heard	3	Burst		Small arms	23-Mar, 11:53- 11:58
1km W of Smile (non- government-controlled, 31km NW of Luhansk)	3-5km NNW	Heard	2	Burst		Small arms	23-Mar, 11:53- 11:58
STRIETNW OF LUIRINSK)	3-5km NNE	Heard	8	Shot		Small arms	23-Mar, 11:53- 11:58
	2-4km SE	Recorded	1	Projectile Illumination	WNW to ESE In vertical	N/K	23-Mar, 19:08
	2-4km SE	Recorded	1	flare	flight	N/K	23-Mar, 19:08
	2-4km SE 2-4km SSE	Recorded Recorded	2	Projectile Projectile	WNW to ESE	N/K	23-Mar, 19:09
	2-4km SSE 2-4km SSE	Recorded	1	Projectile	NE to SW NE to SW	N/K N/K	23-Mar, 19:09 23-Mar, 19:10
	2-4km ESE	Recorded	4	Projectile	WNW to ESE	N/K	23-Mar, 19:10
SMM camera in	2-4km ESE	Recorded	4	Projectile	NE to SW	N/K	23-Mar, 19:10
Avdiivka (government-	2-4km ESE 2-4km ESE	Recorded	2	Muzzle flash		N/K N/K	23-Mar, 19:10
controlled, 17km N of	2-4km ESE 2-4km SSE	Recorded	2	Muzzle flash		N/K N/K	23-Mar, 19:10
Donetsk)	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 21:39
	3-5km ESE	Recorded	2	Projectile	NE to SW	N/K	23-Mar, 21:42
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 21:50
	3-5km SE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 18:09
SMM camera in	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 18:59
Chermalyk	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 19:11
(government-controlled,	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 20:06

-5-

31km	NE	of	Mariu	ipol)
------	----	----	-------	-------

l)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 20:06
Ļ	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 20:09
Ļ	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 21:01
L	2-4km S	Recorded	4	Projectile	WSW to ENE	N/K	23-Mar, 21:16
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	23-Mar, 21:21
	3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 21:21
	2-4km SE	Recorded	21	Projectile	ENE to WSW	N/K	23-Mar, 21:22
Γ	2-4km SE	Recorded	13	Projectile	ENE to WSW	N/K	23-Mar, 21:23
Ī	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	23-Mar, 21:24
Γ	3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 21:57
Γ	3-5km S	Recorded	5	Projectile	WSW to ENE	N/K	23-Mar, 21:57
ŀ	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	23-Mar, 22:02
Ē	2-4km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 22:20
ŀ	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	23-Mar, 22:34
ŀ	2-4km SE	Recorded	14	Projectile	ENE to WSW	N/K	23-Mar, 22:35
ŀ	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 22:35
ŀ	3-5km S	Recorded	5	Projectile	ENE to WSW	N/K	
ŀ			1	5			23-Mar, 22:41
-	3-5km S	Recorded		Projectile	ENE to WSW	N/K	23-Mar, 22:56
-	3-5km S	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 22:57
-	3-5km S	Recorded	3	Projectile	ENE to WSW	N/K	23-Mar, 23:03
-	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	23-Mar, 23:18
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	23-Mar, 23:18
	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	23-Mar, 23:19
ŀ	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	23-Mar, 23:38
ŀ	2-4km SL	Recorded	2	Projectile	ENE to WSW	N/K N/K	23-Mar, 23:38
ŀ	2-4km S	Recorded	2	Projectile		N/K	23-Mar, 23:39
ŀ			1	, j	ENE to WSW	N/K	
-	2-4km SE	Recorded		Projectile	ENE to WSW		23-Mar, 23:53
-	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:15
-	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:20
-	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Mar, 00:20
-	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:22
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	24-Mar, 00:22
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:28
ļ	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:28
ļ	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:29
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 00:31
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:33
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	24-Mar, 00:46
	3-5km S	Recorded	3	Projectile	ENE to WSW	N/K	24-Mar, 00:48
Γ	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:49
Ī	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 00:50
Γ	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 01:16
F	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	24-Mar, 01:19
Ē	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	24-Mar, 01:21
F	2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	24-Mar, 01:22
ŀ	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	24-Mar, 01:22
ŀ	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 01:26
ŀ	2-4km SSE 2-4km SSE	Recorded	10	Projectile	WSW to ENE	N/K	24-Mar, 01:20 24-Mar, 01:27
ŀ				5			/
ŀ	2-4km SSE	Recorded	15	Projectile	WSW to ENE	N/K	24-Mar, 01:28
ŀ	2-4km SSE	Recorded	17	Projectile	WSW to ENE	N/K	24-Mar, 01:29
-	2-4km SSE	Recorded	1	Explosion	Impact	N/K	24-Mar, 01:29
Ļ	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	24-Mar, 01:29
Ļ	2-4km S	Recorded	10	Projectile	W to E	N/K	24-Mar, 01:30
ļ	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	24-Mar, 01:32
ļ	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Mar, 01:34
ļ	2-4km S	Recorded	1	Projectile	W to E	N/K	24-Mar, 01:35
	2-4km S	Recorded	3	Projectile	W to E	N/K	24-Mar, 01:36
	0.41 0	Recorded	5	Projectile	ENE to WSW	N/K	24-Mar, 01:36
	2-4km S						
F	2-4km S 2-4km SE	Recorded	3	Projectile	N to S	N/K	24-Mar, 01:47
-			3 2	Projectile Projectile	N to S N to S	N/K N/K	24-Mar, 01:47 24-Mar, 01:48
-	2-4km SE	Recorded		5			

2-4m SN: Recorded 1 flare flight NNK 22-Mar, 18-20 1-2km SSW Recorded 1 Projectich NNK 22-Mar, 18-42 1-2km SSW Recorded 1 Hamination In vertical NKK 22-Mar, 18-42 1-2km SSW Recorded 1 Hamination In vertical NKK 22-Mar, 18-42 1-2km SSW Recorded 2 Projectich NW to SE NKK 22-Mar, 18-44 1-2km SSW Recorded 2 Projectich NW to SE NKK 22-Mar, 18-45 1-2km SSW Recorded 1 Projectich NW to SE NKK 22-Mar, 18-35 SMM camera at Donetsk 1-2km SSW Recorded 2 Projectich NW to SE NKK 22-Mar, 18-47 1-2km SSW Recorded 1 Projectich NW to SE NKK 22-Mar, 18-47 1-2km SSW Recorded 1 Marzer 1-2km SW Recorded 1 Marzer 1-2km SW Recorded	1				1			
Image: state in the state in thestate in the state in thest in the state in thest in t		2-4km SSE	Recorded	1	Illumination	In vertical	N/K	23-Mar 18.26
I-2km SSW Recorded 1 Explosion Undetermined NK 22-Mar, 18-42 1-2km SSW Recorded 1 Illumination In vertical NK 23-Mar, 18-44 1-2km SSW Recorded 2 Projectile NK 23-Mar, 18-44 1-2km SSW Recorded 2 Projectile NK 23-Mar, 18-45 1-2km SSW Recorded 2 Projectile NW to SE NK 22-Mar, 18-45 1-2km SSW Recorded 2 Projectile NW to SE NK 22-Mar, 18-45 1-2km SSW Recorded 2 Projectile NW to SE NK 22-Mar, 18-45 1-2km SSW Recorded 2 Projectile NW to SE NK 22-Mar, 19-10 1-2km SSW Recorded 1 Projectile NW to SE NK 22-Mar, 19-10 1-2km SSW Recorded 1 Illumination NW to SE NK 22-Mar, 19-10 1-2km SSW Recorded 1 Illuminination N				-				-
I-2km SSW Recorded 1 Illumination flac In-recital flac N/K 23-Mar, 18-44 1-2km SSW Recorded 3 Projectile N/K 23-Mar, 18-44 1-2km SSW Recorded 1 Projectile N/K N/K 23-Mar, 18-54 1-2km SSW Recorded 1 Projectile N/K 23-Mar, 18-54 1-2km SSW Recorded 2 Projectile N/K 23-Mar, 19-06 N of Donetsk) 1-2km SSW Recorded 6 Fryphosion Undertermined N/K 23-Mar, 19-06 1-2km SSW Recorded 1 flummation In-retical N/K 23-Mar, 19-10 1-2km SSW Recorded 1 flumation In-retical N/K 23-Mar, 12-30<								
Instrument Instrument <thinstrument< th=""> Instrument Instrume</thinstrument<>		1-2km SSW	Recorded	1			N/K	23-Mar, 18:42
International system International system International system International system SMM camera at Donetsi, I 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 18.44 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 18.44 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 18.54 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 18.54 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 18.55 1-2km SSW Recorded 2 Projectile NW to St: N/K 23-Mar, 19.04 1-2km SSW Recorded 1 Milliumination SW to NE N/K 23-Mar, 19.04 1-2km SSW Recorded 1 Milliumination In vertical M/K 23-Mar, 21.39 1-2km SSW Recorded 1 Projectile N/K S3-Mar, 21.39 1-2km SSW Recorded		1_2km SSW	Recorded	1	Illumination	In vertical	N/K	23-Mar 18.14
1-2km SSW, Recorded 2 Projectile FNF to WSW NK 22-Mar, 18.45 1-2km SSW, Recorded 2 Projectile NW to SE NK 22-Mar, 18.45 1-2km SSW, Recorded 2 Projectile NW to SE NK 22-Mar, 18.54 1-2km SSW, Recorded 1 Projectile NW to SE NK 22-Mar, 18.54 1-2km SSW, Recorded 2 Projectile NW to SE NK 22-Mar, 18.54 1-2km SSW, Recorded 2 Projectile NW to SE NK 22-Mar, 18.43 1-2km SSW, Recorded 3 Projectile NW to SE NK 22-Mar, 19.40 1-2km SSW, Recorded 1 fliumination NK 22-Mar, 19.10 NK 22-Mar, 12.12 1-2km SSW, Recorded 1 fliumination SW to NE NK 22-Mar, 21.23 1-2km SSW, Recorded 1 fliumination SW to NE NK 23-Mar, 21.21 1-2km SSW, Recorded 1 fliumination SW to NE NK 23-Mar, 21.21 1-2km SS			Recorded					25-1viai, 10.44
I-2km SSW Recorded I Projectile NW to SE Nrk 23-Mar, 18-53 I-2km SSW Recorded 5 Projectile NW to SE Nrk 23-Mar, 18-53 I-2km SSW Recorded 1 Projectile NW to SE Nrk 23-Mar, 18-54 I-2km SSW Recorded 2 Projectile NW to SE Nrk 23-Mar, 19-04 I-2km SSW Recorded 2 Projectile NW to SE Nrk 23-Mar, 19-04 I-2km SSW Recorded 2 Projectile NW to SE Nrk 23-Mar, 19-04 I-2km SSW Recorded 1 Murz/e flash Nrk 23-Mar, 21-30 I-2km SSW Recorded 1 fliarmiation SW to NE Nrk 23-Mar, 21-30 I-2km SSW Recorded 1 fliarmiation In vortical Nrk 23-Mar, 21-42 I-2km SSW Recorded 1 fliarmination In vortical Nrk 23-Mar, 21-30 I-2km SSW Recorded 1		1-2km SSW	Recorded					23-Mar, 18:44
SMM camera at entry- exit checkpoint in Mainsk (government- controlled, 24km NE of 1-2km SW Recorded Recorded 2 Projectile NW to SE NW to SE N/K 23-Mar, 18-54 SMM camera at entry- exit checkpoint in Mainsk (government- controlled, 24km NE of Donetsk) 1-2km SW Recorded 1 Projectile NW to SE N/K 23-Mar, 18-55 SMM camera 1 entry- exit checkpoint in Mainsk (government- controlled, 24km NE of Donetsk) Recorded 2 Projectile NW to SE N/K 23-Mar, 19-06 SMM camera 1 entry- exit checkpoint in Mainsk (government- controlled, 24km NE of Donetsk) Recorded 1 Recorded N/K 23-Mar, 19-10 SMM camera 1 entry- exit checkpoint in Mainsk (government- controlled, 24km NE of Donetsk) Recorded 1 Recorded<			Recorded	2	Projectile	ENE to WSW		23-Mar, 18:44
I-2km SSW Recorded 5 Projectile NW to SE N/K 23-Mar, 18:54 SMM camen at Donotki I-2km SSW Recorded 2 Projectile NW to SE N/K 23-Mar, 18:55 SMM camen at Donotki I-2km SSW Recorded 2 Projectile NW to SE N/K 23-Mar, 19:40 N of Donetki I-2km SSW Recorded 3 Projectile NW to SE N/K 23-Mar, 19:40 I-2km SSW Recorded 6 Explosion Undertermined N/K 23-Mar, 19:10 I-2km SSW Recorded 1 Illumination In vertical N/K 23-Mar, 21:39 I-2km SSW Recorded 1 Projectile N/K N/K 23-Mar, 21:39 I-2km SSW Recorded 1 Illumination In vertical N/K 23-Mar, 21:39 I-2km SSW Recorded 1 Illumination In vertical N/K 23-Mar, 21:30 I-2km SSW Recorded 1 Illuminination In vertical <		1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Mar, 18:45
I-2km SSW Recorded 5 Projectile NW to SE NK 23-Mar, 18:54 SMM eamer at Donotts I-2km SSW Recorded 2 Projectile NW to SE NK 23-Mar, 19:54 SIM eamer at Donotts I-2km SSW Recorded 2 Projectile NW to SE NK 23-Mar, 19:40 Nof Donotsk) I-2km SSW Recorded 1 Projectile NW to SE NK 23-Mar, 19:40 I-2km SSW Recorded 1 Muzzle flash NK 23-Mar, 19:10 I-2km SSW Recorded 1 Illumination In vertical NK 23-Mar, 19:10 I-2km SSW Recorded 1 Illumination In vertical NK 23-Mar, 21:20 I-2km SSW Recorded 1 Illumination In vertical NK 23-Mar, 21:40 I-2km SSW Recorded 1 Illumination In vertical NK 23-Mar, 21:40 I-2km SSW Recorded 1 Illumination In vertical NK 23-Mar		1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	23-Mar, 18:53
I-2km SSW Recorded 1 Projectile FNR to WSW N/K 23-Mar, 18:54 SMM eamern at Donetick Filtration Stution (15km I-2km SSW Recorded 2 Projectile N/W to SE N/K 23-Mar, 19:50 N of Donetsk) I-2km SSW Recorded 3 Projectile N/W to SE N/K 23-Mar, 19:00 I-2km SSW Recorded 1 Mizer Bab N/K 23-Mar, 19:10 I-2km SSW Recorded 1 Mizer Bab N/K 23-Mar, 19:10 I-2km SSW Recorded 1 Mizer Bab N/K 23-Mar, 21:21 I-2km SSW Recorded 1 Mizmitation Bar N/K 23-Mar, 21:20 I-2km SSW Recorded 1 Mizmitation Bar N/K 23-Mar, 21:20 I-2km SSW Recorded 1 Projectile N/K 23-Mar, 21:20 I-2km SSW Recorded 1 Projectile N/K 23-Mar, 21:42 I-2km SSW Recorded			Recorded			NW to SE		
SMM camera at Donetsk I=2km SSW Recorded 2 Projectile NW to SE N/K 23-Mar, 19-06 N of Danelsk) I=2km SSW Recorded 2 Projectile NW to SE N/K 23-Mar, 19-06 N of Danelsk) I=2km SSW Recorded 3 Projectile NW to SE N/K 23-Mar, 19-09 N of Danelsk) I=2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 19-10 I=2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 19-10 I=2km SSW Recorded 1 Illumination In vertical N/K 23-Mar, 21-21 I=2km SSW Recorded 1 Projectile N/K N/K 23-Mar, 21-20 I=2km SSW Recorded 1 Projectile N/K S2-Mar, 21-20 I=2km SSW Recorded 1 Projectile N/K N/K 23-Mar, 21-50 I=2km SSW Recorded 1 Projectile W to NE N/K 23-Mar, 21-50 S			Recorded					· · · · · · · · · · · · · · · · · · ·
SMM camera at Donetsi, Filmation Station (15km 1-2km SSW Recorded 2 Projectile NV to SE N/K 23-Mar, 199-04 N of Donetsk) 1-2km SSW Recorded 3 Projectile NV to SE N/K 23-Mar, 199-04 1-2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 199-00 1-2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 199-00 1-2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 199-00 1-2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 21-39 1-2km SSW Recorded 1 Muzniation In vertical N/K 23-Mar, 21-39 1-2km SSW Recorded 1 Muminiation RW to SE N/K 23-Mar, 21-20 1-2km SSW Recorded 1 Projectile NW to K N/K 23-Mar, 21-20 1-2km SSW Recorded 1 Projectile W to E N/K 23-Mar, 21-00 20ke NE of Marupot) 3-5km E <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SMM camera at Donetsk 1-2km SSW Recorded 2 Projectile NW to SE N/K 23-Mar, 19-09 N of Donetsk) 1-2km SSW Recorded 6 Explosion Undetermined N/K 23-Mar, 19-09 1-2km SSW Recorded 1 Mazzle fiash N/K 23-Mar, 19-10 1-2km SSW Recorded 1 Illumination flare Invertical N/K 23-Mar, 12-10 1-2km SSW Recorded 1 Illumination flare Invertical N/K 23-Mar, 21-21 1-2km SSW Recorded 1 Illumination flare Invertical N/K 23-Mar, 21-20 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21-20 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21-20 1-2km SSW Recorded 1 Projectile W to E N/K 23-Mar, 21-20 SMM camera 1.5km NE of Hutove (government-controlled, 2dkm NK of Mariupol) SW to NE N/K								
Filtration Station (15km 1-2km SSW Recorded 1-1 1-2km SSW Recorded 1-2km SSW <l< td=""><td>SMM camera at Donetsk</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></l<>	SMM camera at Donetsk							
N of Donetsk) 1-2km SSW Recorded 6 Explosion Undetermined N/K 23-Mar, 19:10 1-2km SSW Recorded 1 Muzzle flash N/K 23-Mar, 19:10 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:21 1-2km SSW Recorded 1 Illumination flare In vertical flare N/K 23-Mar, 21:30 1-2km SSW Recorded 1 Illumination flare In vertical flare N/K 23-Mar, 21:42 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:30 1-2km SS Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:30 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:30 1-2km SSW Recorded 1 Projectile W to E N/K 24-Mar, 18:09 SMM camera 1.5km NE of Hautov (government- controlled, 24 SM NE of Donetsk) 3-5km E Recorded 1 Projectile <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
I-2km SSW Recorded I Muzzle flash N/K 23-Mar, 19:10 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:21 1-2km SSW Recorded 1 Illumination flare Invertical flight N/K 23-Mar, 21:39 1-2km SSW Recorded 1 Projectile NW to SE N/K 23-Mar, 21:42 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:42 1-2km SS Recorded 1 Illumination flare SW to NE N/K 23-Mar, 21:50 1-2km SSW Recorded 1 Projectile W to E N/K 23-Mar, 23:26 1-2km SSW Recorded 1 Illumination flare SW to NE N/K 23-Mar, 23:01 0/0 m Ki of Mripoly 3-5km E Recorded 1 Explosion Undetermined N/K 23-Mar, 21:01 0/0 m Ki of Mripoly 1-3km E Recorded 1 Illumination flare In vertical flight N/K								
	N OI DOILEISK)					Undetermined		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1-2km SSW	Recorded	1			N/K	23-Mar, 19:10
SMM camera at entry-exit checkpoint in Mark M Recorded 1 Projectile NW to SE N/K 23-Mar, 21:39 1-2km SSW Recorded 1 Projectile NW to SE N/K 23-Mar, 21:30 1-2km SSW Recorded 1 Illumination SW to NE N/K 23-Mar, 22:39 1-2km SSW Recorded 1 Projectile E to WSW N/K 23-Mar, 22:39 1-2km SSW Recorded 4 Projectile W to E N/K 24-Mar, 03:12 1-2km SSW Recorded 1 Illumination SW to NE N/K 24-Mar, 03:12 1-2km SSW Recorded 1 Projectile W to E N/K 24-Mar, 03:12 1-2km SSW Recorded 1 Illumination SW to NE N/K 24-Mar, 03:12 1-2km SSW Recorded 1 Illumination SW to NE N/K 24-Mar, 18:09 SMM camera 1.5km NE of Hance SSW Recorded 1 Projectile W to E N/K 24-Mar, 18:09 SMM camera at entry-exit checkpoint in Mairsk (government-controlled, 45km NE of 1-3km E Recorded 1 Projectile Sto N N/K 23-Mar, 21:01 20km NE of Mariupol) SMM camera at entry-exit checkpoint in Mairsk (government-controlled, 45km NE of 1-4km N Recorded 1 Projectile Sto N N/K 23-Mar, 21:00 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 22:28 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 22:39 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 22:30 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:00 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:00 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:01 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:01 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:01 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:00 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:01 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:01 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:03 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:03 1-4km N Recorded 1 Illumination In vertical N/K 23-Mar, 23:03 1-4km N Recorded 1 Illumination In vertical N/K 24-Mar, 00:08		1-2km SSW	Recorded	1		SW to NE	N/K	23-Mar, 21:21
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1 2km COW	Departed	1	Illumination		NI/V	23 Mar 21.20
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1-2KIII 55 W		1		flight	1N/ K	23-ivial, 21.39
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1-2km SSW	Recorded	1	Projectile		N/K	23-Mar, 21:42
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1.01 0.000	D 11	1	Illumination		NT/17	
		1-2km SSW	Recorded	1	flare	SW to NE	N/K	23-Mar, 21:50
International control in the second		1 01 0	D 11	1	Illumination		NT/17	22.14 22.20
I-2km SSWRecorded4ProjectileW to EN/K24-Mar, 03:12I-3km SSWRecorded1Illumination flareSW to NEN/K24-Mar, 18:09SMM camera 1.5km NE (government-controlled, 20km NE of Mariupol)3-5km ERecorded1ExplosionUndeterminedN/K23-Mar, 21:01SMM camera at entry- exit checkpoint in Maiorsk (government- controlled, 45km NE of1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 21:00I-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:01I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:30I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1		1-2km S	Recorded	1	flare	ENE to WSW	N/K	23-Mar, 22:39
I-2km SSWRecorded4ProjectileW to EN/K24-Mar, 03:12I-3km SSWRecorded1Illumination flareSW to NEN/K24-Mar, 18:09SMM camera 1.5km NE (government-controlled, 20km NE of Mariupol)3-5km ERecorded1ExplosionUndeterminedN/K23-Mar, 21:01SMM camera at entry- exit checkpoint in Maiorsk (government- controlled, 45km NE of1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 21:00I-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:01I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:30I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1		1-2km S	Recorded	1	Projectile	E to W	N/K	23-Mar. 23:26
I-3km SSWRecorded1Illumination flareSW to NEN/K24-Mar, 18:09SMM camera 1.5km NE of Hautove (government-controlled, 20km NE of Mariupol)3-5km ERecorded1ExplosionUndeterminedN/K23-Mar, 21:01SMM camera at entry- exit checkpoint in Mairosk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 19:501-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00N/K23-Mar, 22:281-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW ofRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:3311-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33				4	~			
SMM camera 1.5km NE (government-controlled, 20km NE of Huutove (government-controlled, 20km NE of Mariupol)3-5km ERecorded1ExplosionUndeterminedN/K23-Mar, 21:01SMM camera at entry- exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 21:00I-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:39I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:30I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:31I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1Illumination flareIn ver								
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)3-5km ERecorded1ExplosionUndeterminedN/K23-Mar, 21:01SMM camera at entry- exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 21:011-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 21:001-4km NRecorded1ProjectileS to NN/K23-Mar, 21:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:281-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:03		1-3km SSW	Recorded	1		SW to NE	N/K	24-Mar, 18:09
20km NE of Mariupol)Image: SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 19:50Image: Store Note:	of Hnutove	3-5km E	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 21:01
exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 19:50I-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:39I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:39I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:30I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:31I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:03I-4km NRecorded1Illumination flare<								
Maiorsk (government- controlled, 45km NE of Donetsk)1-3km ERecorded1ProjectileWNW to ESEN/K23-Mar, 19:50I-4km NRecorded1ProjectileS to NN/K23-Mar, 21:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:28I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:39I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:39I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:00I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:02I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:30I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:33I-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:03I-4km NRecorded1Illumination flareIn vertical <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
controlled, 45km NE of Donetsk)1-4km NRecorded1ProjectileS to NN/K23-Mar, 21:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:281-4km NRecorded1Illumination 		1 2km E	Deserded	1	Projectile	WNW to ESE	\mathbf{N}/\mathbf{V}	22 Mar 10:50
Donetsk)Image: constraint of the second of the		1-3KM E	Recorded	1	Projectile	WNW IO ESE	IN/K	23-Mar, 19:50
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Projectile Illumination flareS to NN/K23-Mar, 21:00SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded	-							
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:281.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311.4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331.4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031	Donetsk)	1 41 NI	D 1 1	1	Destation	C (N	NI/IZ	22 14 21 00
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)I-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 22:391-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:041		1-4km N	Recorded	1	2		IN/K	23-Mar, 21:00
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:331.4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031		1-4km N	Recorded	1			N/K	23-Mar, 22:28
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301.4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311.4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331.4km NRecorded1Projectile flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031.4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:03 <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:001-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:041		1-4km N	Recorded	1			N/K	23-Mar. 22:39
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20								,
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:011-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1Projectile flareN/K23-Mar, 23:331-4km NRecorded1Projectile flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20		1-4km N	Recorded	1			N/K	23-Mar. 23:00
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:021-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20				-				
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flareN/K23-Mar, 23:021-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1Projectile flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20		1-4km N	Recorded	1			N/K	23-Mar 23:01
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1flareflightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1Projectile flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:041-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20			recorded	Ŧ			11/11	
SMM camera at entry- exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1Projectile flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:20		1-4km N	Recorded	1			N/K	23-Mar, 23:02
Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1flareflightN/K23-Mar, 23:301-4km NRecorded1Illumination flareIn vertical flightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:04								,
Marinka (government- controlled, 23km SW of Donetsk)1-4km NRecorded1InareInightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:20		1-4km N	Recorded	1			N/K	23-Mar. 23-30
Donetsk)1-4km NRecorded1flareflightN/K23-Mar, 23:311-4km NRecorded2Illumination flareIn vertical flightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:20		1 ,		-				,,
Donetsky Image Inget Inget 1-4km N Recorded 2 Illumination flare In vertical flight N/K 23-Mar, 23:33 1-4km N Recorded 1 Projectile In vertical flight N/K 24-Mar, 00:03 1-4km N Recorded 1 Illumination flare In vertical flight N/K 24-Mar, 00:03 1-4km N Recorded 1 Illumination flare In vertical flight N/K 24-Mar, 00:08 1-4km N Recorded 1 Illumination flare In vertical flight N/K 24-Mar, 00:20 1-4km N Recorded 2 Illumination flare In vertical flight N/K 24-Mar, 00:20		1-4km N	Recorded	1			N/K	23-Mar 23-31
1-4km NRecorded2flareflightN/K23-Mar, 23:331-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:20	Donetsk)	1 1811119	iceoideu	L			1.1/1	25 mui, 25.51
1-4km NRecorded1ProjectileIn vertical flightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical 		1.4km N	Recorded	2			N/K	23-Mar 23-33
1-4km NRecorded1ProjectileflightN/K24-Mar, 00:031-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:20			Recorded	2	flare		11/1	20 mai, 20.00
1-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:081-4km NRecorded1Illumination flareIn vertical flightN/K24-Mar, 00:201-4km NRecorded2Illumination flareIn vertical flightN/K24-Mar, 00:54		1-4km N	Recorded	1	Projectile		N/K	24-Mar 00.03
$\frac{1-4km N}{1-4km N} = \frac{1}{Recorded} = \frac{1}{1} = \frac{1}{\frac{flare}{flare}} = \frac{flight}{flare} = \frac{N/K}{flight} = \frac{2}{N/K} = \frac{24-Mar, 00:08}{24-Mar, 00:08}$		1-4KIII IN	Recorded	1	-		11/1	2-11/1a1, 00.03
$\frac{1}{1-4km N} \xrightarrow{\text{Recorded}} 1 \xrightarrow{\text{Hare}} \frac{1}{1} \xrightarrow{\text{Hight}} \sqrt{1} \xrightarrow{\text{Hight}} \frac{1}{2} \xrightarrow{\text{Hight}} \xrightarrow{\text{Hight}} \xrightarrow{\text{Hight}} \frac{1}{2} \xrightarrow{\text{Hight}} \text{H$		1_1km N	Recorded	1			N/V	24-Mar 00.08
1-4km N Recorded 1 flare flight N/K 24-Mar, 00:20 1-4km N Recorded 2 Illumination In vertical N/K 24-Mar, 00:54		1- T KIII IN	icecordeu	1			11/1	27-1v101, 00.00
1.4km N Recorded 2 Illumination In vertical N/K 24.Mar 00:54		1_1km N	Recorded	1			N/V	24-Mar 00.20
		1-7KIII IN	Recordeu	1			11/1	27-1v101, 00.20
flare flight 10K 24-Mar, 00.54		1-4km N	Recorded	2			N/K	24-Mar 00.54
		1 1811113	icecondeu	2	flare	flight	1.1/1	21 mui, 00.57

	1-4km N	Recorded	1	Projectile	In vertical	N/K	24-Mar, 01:04
	1-4km N	Recorded	1	Illumination flare	flight In vertical flight	N/K	24-Mar, 01:08
	1-4km N	Recorded	1	Illumination	In vertical flight	N/K	24-Mar, 01:54
	2-4km N	Recorded	1	Illumination	In vertical flight	N/K	24-Mar, 02:09
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 04:09
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Mar, 03:06
	2-4km WNW	Recorded	1	Projectile	WNW to ESE	N/K	23-Mar, 18:42
	2-4km NE	Recorded	1	Illumination flare	NE to SW	N/K	23-Mar, 18:44
	2-4km NE	Recorded	3	Projectile	WNW to ESE	N/K	23-Mar, 19:08
SMM camera at Oktiabr	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Mar, 19:08
mine (non-government-	2-4km NNE	Recorded	7	Projectile	WNW to ESE	N/K	23-Mar, 19:09
controlled, 9km NW of Donetsk city centre)	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 19:09
Donetsk city centre)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	23-Mar, 19:09
	2-4km NNE	Recorded	10	Projectile	WNW to ESE	N/K	23-Mar, 19:10
	2-4km NE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 19:10
	7-9km NE	Recorded	1	Illumination flare	In vertical flight	N/K N/K N/K N/K N/K	24-Mar, 18:09
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	23-Mar, 18:41
	3-5km SSE	Recorded	5	Projectile	E to W	N/K	23-Mar, 21:57
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	23-Mar, 21:57
	2-4km SSE	Recorded	2	Projectile	E to W		23-Mar, 22:20
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	23-Mar, 22:20
SMM camera at entry-	2-4km SSE	Recorded	1	Projectile	W to E	N/K	23-Mar, 22:25
exit checkpoint in	2-4km SE	Recorded	4	Projectile	E to W	N/K	23-Mar, 22:41
Pyshchevyk	3-5km S	Recorded	3	Projectile	E to W	N/K	23-Mar, 22:57
(government-controlled,	2-4km SE	Recorded	2	Projectile	E to W	N/K	23-Mar, 23:03
25km NE of Mariupol)	2-4km SE	Recorded	3	Projectile	E to W	N/K	23-Mar, 23:38
	3-5km S	Recorded	3	Projectile	E to W	N/K	24-Mar, 01:36
	3-5km SSE	Recorded	2	Projectile	E to W	N/K	24-Mar, 01:50
	3-5km SSE	Recorded	2	Projectile	W to E	N/K N/K	24-Mar, 03:31
	3-5km SSE	Recorded	2	Projectile	E to W	N/K	24-Mar, 03:32
Olakaan drivika (non	1-2km NW	Heard	31	Burst	LUW	HMG	24-Mar, 09:30- 09:36
Oleksandrivka (non- government-controlled,	1-2km NW	Heard	2	Explosion	Undetermined	N/K	24-Mar, 09:35
20km SW of Donetsk)	1-2km NW	Heard	Uncountable	Burst	Overlapping	HMG	24-Mar, 09:35
20km 5 w of Donetsk)	2-3km NNW	Heard	2	Burst	Overlapping	HMG	24-Mar, 09:58
About 2.5km NW of railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)	lkm NW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 10:44
Railway station in	3-4km N	Heard	13	Explosion	Undetermined	N/K	24-Mar, 10:50- 10:54
Yasynuvata (non-	2-3km W	Heard	2	Explosion	Undetermined	N/K	24-Mar, 10:54
government-controlled, 16km NE of Donetsk)	2-3km W	Heard	1	Shot		Small arms	24-Mar, 10:54
Tokin I VE OF D'Oneux)	2-3km N	Heard	2	Shot		Small arms	24-Mar, 11:02
	3-4km N	Heard	4	Explosion	Undetermined	N/K	24-Mar, 12:20
About 1km NW of	2-3km SW	Heard	17	Shot		Small arms	24-Mar, 12:29- 12:35
railway station in	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 12:38
Yasynuvata (non- government-controlled,	1-2km W	Heard	11	Shot		Small arms	24-Mar, 12:42- 12:48
16km NE of Donetsk)	1-2km W	Heard	5	Burst		Small arms	24-Mar, 12:42- 12:48
	1-2km W	Heard	3	Explosion	Undetermined	N/K	24-Mar, 12:48

	500m WSW	Heard	2	Shot		Small arms	24-Mar, 12:50
	2-3km SW	Heard	2	Shot		Small	24-Mar, 13:09
	2-3km N	Heard	8	Explosion	Undetermined	N/K	24-Mar, 13:21- 13:30
	1-2km N	Heard	14	Shot		Small arms	24-Mar, 13:21- 13:30
	2-3km SW	Heard	5	Shot		Small arms	24-Mar, 13:30
	1-3km N	Heard	7	Shot		Small arms	24-Mar, 13:35- 13:37
	1-2km W	Heard	3	Shot		Small arms	24-Mar, 13:42
	2-3km WSW	Heard	4	Burst		Small arms	24-Mar, 13:51
About 4km NW of Kalynivka (non- government-controlled, 55km NE of Donetsk)	1-2km NW	Heard	15	Burst		HMG	24-Mar, 12:44
About 2km NW of Donetsk central railway station (non- government-controlled, 6km NW of Donetsk)	1-2km N	Heard	1	Explosion	Undetermined	N/K	24-Mar, 10:50
· · · · · · · · · · · · · · · · · · ·	2-3km N	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:15
About 3km WSW of Donetsk central railway	1-3km NE	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:19
station (non-	1-2km NW	Heard	39	Shot		HMG	24-Mar, 14:24
government-controlled,	1-3km NW	Heard	1	Explosion	Undetermined	N/K	24-Mar, 14:29
6km NW of Donetsk)	1-2km NW	Heard	35	Burst		HMG	24-Mar, 14:40- 14:45
1km NNW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	Uncountable	Burst	Overlapping	HMG	24-Mar, 10:13- 10:20
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	23-Mar, 19:16
	3-5km SE	Heard	7	Shot		Small arms	23-Mar, 19:18
	3-5km SSE	Heard	2	Burst		HMG	23-Mar, 21:14
Svitlodarsk (government-controlled,	3-5km SSE	Heard	6	Shot		Small arms	23-Mar, 21:16
57km NE of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	23-Mar, 22:32
	3-5km S	Heard	3	Burst		HMG	23-Mar, 22:50
	3-5km S	Heard	5	Shot		Small arms	23-Mar, 22:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	23-Mar, 23:24
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	1	Projectile	ESE to WNW (assessed as outside the disengagement area)	N/K	23-Mar, 20:36
	1-2km N	Heard	5	Shot	Assessed as inside the disengagement area	Small arms	24-Mar, 08:39- 08:40
S edge of the disengagement area near Zolote (non- government-controlled, 58km W of Luhansk)	3-6km NE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Mar, 09:03- 09:06
	3-6km NE	Heard	20	Burst	Assessed as outside the disengagement area	HMG	24-Mar, 09:03- 09:06





Map of Donetsk and Luhansk regions²

² 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).