Table of ceasefire violations as of 28 October 2018<sup>1</sup>

	Event						
SMM position	location	Means	No.	Observation	Description	Weapon	Date, time
200000	2-4km SE	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:16
	2-4km SE	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:18
	2-4km SE	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:21
SMM camera in	2-4km SE	Recorded	1	Explosion		N/K	26-Oct, 19:30
Berezove	2-4km SE	Recorded	1	Explosion		N/K	26-Oct, 19:33
(government-	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	26-Oct, 21:54
controlled, 31km SW of	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	26-Oct, 21:58
Donetsk)	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	26-Oct, 21:59
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	26-Oct, 22:04
	2-4km SE	Recorded	9	Projectile	WSW to ENE	N/K	27-Oct, 04:14
	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	27-Oct, 04:42
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 16:59
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 17:18
	8-10km SE	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 18:58
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	26-Oct, 19:47
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	26-Oct, 20:56
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	26-Oct, 20:56
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	27-Oct, 04:34
SMM camera in	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Oct, 05:12
Chermalyk	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	27-Oct, 05:40
(government-	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Oct, 05:41
controlled,	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	27-Oct, 05:42
31km NE of Mariupol)	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	27-Oct, 05:43
Mariupor)	2-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	27-Oct, 05:46
	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	27-Oct, 05:47
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	27-Oct, 05:47
	2-4km ESE	Recorded	7	Projectile	NNE to SSW	N/K	27-Oct, 18:02
	2-4km ESE	Recorded	5	Projectile	SW to NE	N/K	27-Oct, 18:05
	2-4km ESE	Recorded	7	Projectile	SW to NE	N/K	27-Oct, 18:06
	2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	27-Oct, 18:07
	0.5-1km S	Recorded	1	Projectile	E to W	N/K	26-Oct, 18:17
	2-4km SSW	Recorded	1	Projectile	E to W	N/K	26-Oct, 19:44
	0.5-1km	110001404	-	Trojectire	2.00	1,112	20 000, 15
	SSW	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:49
	0.5-1km			•			
	SSW	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:51
	0.5-1km						
SMM camera at	SSW	Recorded	2	Projectile	E to W	N/K	26-Oct, 19:51
Donetsk Filtration	0.5-1km	D	2	F1i	I I., d.,	NI/IZ	26 0-4 10-52
Station (15km N	SSW 0.5-1km	Recorded	3	Explosion	Undetermined	N/K	26-Oct, 19:52
of Donetsk)	SSW	Recorded	1	Projectile	E to W	N/K	26-Oct, 19:52
	0.5-1km	recorded	1	Trojectiic	E to W	1771	20 000, 19.32
	SSW	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 19:56
	0.5-1km			•			
	SSW	Recorded	1	Projectile	W to E	N/K	26-Oct, 19:56
	0.5-1km						
	SSW	Recorded	1	Projectile	W to E	N/K	26-Oct, 19:58
	1-2km SSW	Recorded	2	Muzzle flash		N/K	26-Oct, 20:07

<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.

1-2km S         Recorded         4         Projectile         SW to NE         N/K         2           1-2km S         Recorded         1         Explosion         Impact         N/K         2           1-2km S         Recorded         4         Projectile         SW to NE         N/K         2           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2	26-Oct, 20:07 26-Oct, 20:12
1-2km S         Recorded         4         Projectile         SW to NE         N/K         2           1-2km S         Recorded         1         Explosion         Impact         N/K         2           1-2km S         Recorded         4         Projectile         SW to NE         N/K         2           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2	
1-2km S         Recorded         1         Explosion         Impact         N/K         2           1-2km S         Recorded         4         Projectile         SW to NE         N/K         2           2-4km SSW         Recorded         1         Explosion         Undetermined         N/K         2	26 <b>-</b> Oct 20:12
1-2km S     Recorded     4     Projectile     SW to NE     N/K     2       2-4km SSW     Recorded     1     Explosion     Undetermined     N/K     2	
2-4km SSW Recorded 1 Explosion Undetermined N/K 2	26-Oct, 20:12
	26-Oct, 20:13
	26-Oct, 20:13
	26-Oct, 20:14
	26-Oct, 20:14
	26-Oct, 20:15
	26-Oct, 20:15
	26-Oct, 20:17
	26-Oct, 20:18
	26-Oct, 20:19
	26-Oct, 20:20
	26-Oct, 20:21
	26-Oct, 20:21
Illumination   Illumi	26.0 4.20.22
	26-Oct, 20:22
	26-Oct, 20:22
	26-Oct, 20:22
	26-Oct, 20:23
	26-Oct, 20:23
	26-Oct, 20:23
	26-Oct, 20:24
	26-Oct, 20:24
	26-Oct, 20:24
	26-Oct, 20:26
	26-Oct, 20:27
	26-Oct, 20:27
	26-Oct, 20:34
	26-Oct, 20:35
	26-Oct, 20:53
	26-Oct, 21:06
2-4km SSW Recorded 1 Explosion Undetermined N/K 2	26-Oct, 21:06
	26-Oct, 21:06
	26-Oct, 21:07
2-4km SSW Recorded 2 Explosion Undetermined N/K 2	26-Oct, 21:12
2-4km SSW Recorded 3 Explosion Undetermined N/K 2	26-Oct, 21:13
1-2km S Recorded 1 Explosion Airburst N/K 2	26-Oct, 21:13
2-4km SSW Recorded 2 Explosion Undetermined N/K 2	26-Oct, 21:14
1-2km SSW Recorded 1 Projectile NW to SE N/K 2	26-Oct, 21:24
1-2km SSW Recorded 7 Projectile NW to SE N/K 2	26-Oct, 21:41
	26-Oct, 22:00
	26-Oct, 22:08
	26-Oct, 22:26
	26-Oct, 22:31
	26-Oct, 22:32
	26-Oct, 22:32
	26-Oct, 23:06
	26-Oct, 23:58
	27-Oct, 00:00
	27-Oct, 00:32
	27-Oct, 00:32
Illumination	,
	27-Oct, 01:18
	27-Oct, 01:39
	27-Oct, 02:45
	27-Oct, 04:09

	0.1-0.2km S	Recorded	7	Projectile	ENE to WSW	N/K	27-Oct, 05:41
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	27-Oct, 18:16
SMM camera	2-4km E	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 18:30
1.5km NE of	2-4km E	Recorded	31	Projectile	SW to NE	N/K	26-Oct, 18:38
Hnutove (government- controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	4	Projectile	N to S	N/K	27-Oct, 03:08
SMM camera in				,			, , , , , , , , , , , ,
Kriakivka (government- controlled, 38km NW of Luhansk)	2-4km SSW	Recorded	1	Projectile	ESE to WNW	N/K	27-Oct, 02:58
Lunansk)	2-4km SSE	Recorded	1	Burst	E to W	N/K	26-Oct, 18:38
	2-4km SSE	Recorded	9	Projectile	W to E	N/K	26-Oct, 18:48
SMM camera at	2-4km SSE	Recorded	15	Projectile	W to E	N/K	26-Oct, 18:58
entry-exit	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	26-Oct, 18:58
checkpoint in	2-4km SSE	Recorded	6	Projectile	W to E	N/K	26-Oct, 18:59
Pyshchevyk	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	26-Oct, 18:59
(government-	2-4km SSE	Recorded	1	Burst	W to E	N/K	26-Oct, 19:07
controlled, 25km NE of	2-4km SSE	Recorded	3	Explosion	Undetermined	N/K	26-Oct, 19:15
Mariupol)	2-4km SSE	Recorded	2	Projectile	W to E	N/K	26-Oct, 19:15
maraper)	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	26-Oct, 21:03
SMM camera in	2-4km E	Recorded	3	Projectile	N to S	N/K	27-Oct, 01:37
Svitlodarsk (government-	2-4km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	27-Oct, 04:58
controlled,	3-5km E	Recorded	2	Projectile	S to N	N/K	27-Oct, 18:01
57km NE of	3-5km E	Recorded	5	Projectile	S to N	N/K	27-Oct, 18:17
Donetsk)	3-5km E	Recorded	2	Projectile	S to N	N/K	27-Oct, 18:18
SMM camera in Zolote (government- controlled, 60km W of	1.21 GE	D 1.1	2	D : d	ENE to WSW (assessed as outside the disengagement	Naz	26.0 + 22.50
Luhansk)	1-2km SE	Recorded	3	Projectile	area)	N/K	26-Oct, 22:59
	2-3km SW 2-3km SW	Heard Heard	3	Explosion Burst	Undetermined	N/K Small arms	27-Oct, 09:00 27-Oct, 09:00
						Small	, , , , , , , , , , , , , , , , , , , ,
	2-3km SW	Heard	10	Burst		arms	27-Oct, 09:03
						Small	
	2-3km SW	Heard	5	Shot	+	arms	27-Oct, 09:03
1.1km NW of	2-3km SW	Heard Heard and	15	Shot		Small arms	27-Oct, 09:40
railway station in Yasynuvata	1-2km SW	saw	2	Explosion	Undetermined	N/K Small	27-Oct, 10:00
(non-government-	1-2km SW	Heard	10	Burst		arms Small	27-Oct, 10:04
controlled,	2-3km SW	Heard	1	Burst		arms	27-Oct, 10:09
16km NE of Donetsk)	2-3km SW	Heard	2	Explosion	Undetermined	N/K	27-Oct, 10:13
Donetsk)	2-3km S	Heard	1	Burst		Small arms	27-Oct, 10:19
	2-3km SW	Heard	3	Burst		HMG	27-Oct, 10:45
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	27-Oct, 10:54
	1-2km SW	Heard		Burst	Uncountable	Small arms	27-Oct, 11:15- 11:18
	2-4km S	Heard	1	Explosion	Undetermined	N/K	27-Oct, 11:25
	2-3km SW	Heard	8	Shot		Small arms	27-Oct, 11:25

<u> </u>	7	1	1	Ī	ı	1	1 1
	1-2km SW	Heard	4	Shot		Small arms	27-Oct, 11:55
	1-2KIII 5 W	Ticalu	7	Shot		Small	27-Oct, 11.55
	1-2km SW	Heard	6	Shot		arms	27-Oct, 12:50
S edge of	1km ESE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 10:00
Avdiivka (government-							
controlled,							
17km N of							
Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 11:25
Vuhlehirsk (non-	2-3km NW	Heard	1	Burst		Small arms	27-Oct, 10:30
government-	2 Jan IVV	Ticura	1	Buist		Small	27 300, 10.30
controlled,	2-3km NW	Heard	2	Shot		arms	27-Oct, 10:30
49km NE of Donetsk)	3-4km NW	Heard	7	Burst		HMG	27-Oct, 10:32
Oleksandrivka	3-4KIII IN W	Ticalu	,	Durst		Small	27-Oct, 10:32 27-Oct, 14:24-
(non-	2-3km W	Heard	21	Burst		arms	14:29
government-						G 11	
controlled, 20km SW of					Uncountable &	Small arms,	27-Oct, 14:27-
Donetsk)	2-3km W	Heard		Shot	overlapping	HMG	14:29
1 km NNW of							27-Oct, 09:25-
entry-exit	N/K SSE	Heard	5	Explosion	Undetermined	N/K	09:31
checkpoint in Pyshchevyk	N/K SSE	Heard	8	Burst		HMG	27-Oct, 09:25- 09:31
(government	N/K SE	Heard	3	Explosion	Undetermined	N/K	27-Oct, 09:35
controlled, 25	1 11 22	110010		Empressen		1,112	27 350, 03100
km NE of Mariupol)	N/K SE	Heard	3	Explosion	Undetermined	N/K	27 Oat 00:38
•	IV/K SE	Healu	3	Explosion	Undetermined	Small	27-Oct, 09:38 27-Oct, 10:15-
Novohnativka	N/K SSW	Heard	6	Shot		arms	10:25
(government- controlled,			_	_		Small	27-Oct, 10:15-
40km S of	N/K SSW	Heard	5	Burst		arms Small	10:25 27-Oct, 10:30-
Donetsk)	N/K SSW	Heard	5	Burst		arms	10:40
3km NE of							
Zaichenko (non-							
government- controlled,						Mortar	
26km NE of						(type	27-Oct, 10:21-
Mariupol)	2-3km SW	Heard	2	Explosion	Outgoing	N/K)	10:25
	11 CW	77 1		E 1 '		NI/IZ	27-Oct, 10:52-
	1km SW	Heard	1	Explosion	Outgoing	N/K	11:06 27-Oct, 10:52-
	1-2km W	Heard	4	Burst		HMG	11:06
						Mortar	
	1-2km SW	Heard	1	Explosion	Outgoing	(type N/K)	27-Oct, 10:52- 11:06
	1-2KIII 5 W	Healu	1	Explosion	Outgoing	Small	27-Oct, 10:52-
Calchanles (non	1-2km W	Heard	1	Burst		arms	11:06
Sakhanka (non- government						Mortar	
controlled,	2km SW	Heard	1	Explosion	Outgoing	(type N/K)	27-Oct, 10:52- 11:06
24km NE of	ZKIII S W	Healu	1	Explosion	Outgoing	Small	27-Oct, 10:52-
Mariupol)	2km W	Heard	15	Shot		arms	11:06
	4 21 277	** 1	_	_		IFV	27-Oct, 11:10-
	1-2km SW	Heard	7	Burst		(BMP-2)	11:14 27-Oct, 11:10-
	2km SW	Heard	8	Burst		HMG	11:14
						Small	27-Oct, 11:10-
	2km W	Heard	18	Shot		arms	11:14
	1-2km S	Heard	24	Shot		Small	27-Oct, 11:10- 11:14
Horlivka (non-	1-2KIII 3	ricalu	∠ <del>+</del>	SHOL		arms	26-Oct, 22:00-
government-	4-5km W	Heard	2	Explosion	Undetermined	N/K	22:01

controlled,	1	İ	ĺ		1		I
39km NE of							26-Oct, 22:00-
Donetsk)	4-5km W	Heard	6	Burst		HMG	22:01
	3-5km SE	Heard	2	Burst		HMG	26-Oct, 18:27
	4-6km WSW	111	4	D		IIMC	26 0-4 19-29
	4-6km	Heard	4	Burst		HMG	26-Oct, 18:28
	WSW	Heard	7	Burst		HMG	26-Oct, 18:36
	4-6km						
	WSW	Heard	2	Burst		HMG	26-Oct, 18:40
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	26-Oct, 18:47
						Small	
	3-5km SE	Heard	5	Shot		arms	26-Oct, 18:51
	4-6km	77 1	_	ъ .		ID 4C	26.0 + 10.52
	WSW	Heard	5	Burst		HMG	26-Oct, 18:52
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	26-Oct, 18:56- 18:59
	4-6km	Ticaru	- 3	Lapiosion	Ondetermined	11/10	26-Oct, 19:15-
	WSW	Heard	6	Burst		HMG	19:17
	4-6km						
	WSW	Heard	8	Burst		HMG	26-Oct, 19:19
						Small	
	3-5km SE	Heard	1	Burst		arms	26-Oct, 19:25
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	26-Oct, 20:15
				_			26-Oct, 21:07-
0 11 1 1	3-5km S	Heard	50	Burst		HMG	21:09
Svitlodarsk	3-5km S	Heard	5	Burst		HMG	26-Oct, 21:11
(government- controlled,	2.51 G	TT 1	50	ъ.		ID 4C	26-Oct, 21:20-
57km NE of	3-5km S 4-6km	Heard	50	Burst		HMG	21:22 26-Oct, 22:55-
Donetsk)	WSW	Heard	13	Burst		HMG	22:57
Bonetsk)	4-6km	Heard	13	Buist		TIMO	26-Oct, 23:22-
	WSW	Heard	31	Burst		HMG	23:28
	4-6km	Trourd	31	Buist		TIME	23.20
	WSW	Heard	4	Explosion	Undetermined	N/K	26-Oct, 23:26
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 09:16
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 09:20
	2-3km SE	Heard	20	Burst		HMG	27-Oct, 09:22
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	27-Oct, 10:30
	4-5km SE	Heard	10	Burst		N/K	27-Oct, 10:32
	2-3km SW	Heard	12	Burst		HMG	27-Oct, 11:13
	3-4km SW	Heard	10	Burst		HMG	27-Oct, 11:45
	, iiiii 2	110	10	20150		111.13	27-Oct, 17:07-
	3-5km SW	Heard	7	Burst		HMG	17:10
	3-5km SW	Heard	10	Burst		HMG	27-Oct, 18:13
						Small	
	2-3km SE	Heard	2	Shot		arms	27-Oct, 18:14
							27-Oct, 18:22-
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	18:24
	3-5km SE	Heard	2	Burst		HMG	27-Oct, 18:26
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 18:28
	2.41 CF	111 1		D		Small	27.0 / 10.20
	2-4km SE	Heard	1	Burst		arms	27-Oct, 18:29
Novoluhanske	4-6km SW	Heard	23	Burst	** 1	HMG	27-Oct, 10:16
(government-	5-6km SW	Heard	3	Explosion	Undetermined	N/K	27-Oct, 10:21
controlled, 53km NE of	21 0377	1101	2	Chat		Small	27.0-4.11.02
Donetsk)	2km SW 2-3km SW	Heard Heard	8	Shot Burst		arms HMG	27-Oct, 11:03 27-Oct, 11:08
E edge of		1			Undatama:1		
Kamianka	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	27-Oct, 09:00
(government-	3-5km SSW	Heard	2	Burst		HMG	27-Oct, 09:05
controlled,							
20km N of						Small	
Donetsk)	3-5km SSW	Heard	12	Shot		arms	27-Oct, 09:12

Novoivanivka		İ	1		1	İ	
(government-							
controlled,							
67km W of	10-12km	** 1				37/77	25 0 11 00
Luhansk)	SSW	Heard	1	Explosion	Undetermined	N/K	27-Oct, 11:00
Yuzhna-						IFV (BMP-2)	
Lomuvatka						cannon	27-Oct, 12:02-
(non-	5-7km W	Heard	8	Burst		(30mm)	12:12
government-							27-Oct, 12:02-
controlled, 60km W of	5-7km W	Heard	7	Explosion	Undetermined	N/K	12:12
Luhansk)							27-Oct, 12:02-
ĺ ,	5-7km W	Heard	70	Burst		HMG	12:12
3.5km SW of							
Metalist (non-							
government- controlled, 7km							
NW of						Small	27-Oct, 12:25-
Luhansk)	1-2km NW	Heard	30	Shot		arms	12:26
Obozne (non-							
government-							
controlled,							
18km N of	15-20km						
Luhansk)	SW	Heard	1	Explosion	Undetermined	N/K	27-Oct, 13:55
S outskirts of							
Kalynove- Borshchuvate							
(non-							
government-							
controlled,							
61km W of							27-Oct, 14:26-
Luhansk)	5-7km SW	Heard	2	Explosion	Undetermined	N/K	14:27
				Illumination			
	3-5km SE	Recorded	1	flare	In vertical flight	N/K	27-Oct, 18:33
	2-4km SSE	Recorded	8	Projectile	In vertical flight	N/K	27-Oct, 22:29
	2-4km SSE	Recorded	1	Projectile	SW to NE	N/K	27-Oct, 22:35
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 22:45
CVOV.	2-4km ESE	Recorded	2	Projectile	In vertical flight	N/K	27-Oct, 22:54
SMM camera in Avdiivka	2-4km SSE	Recorded	8	Projectile	SW to NE	N/K	28-Oct, 00:24
(government-	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 00:35
controlled,	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	28-Oct, 00:35
17km N of	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	28-Oct, 00:37
Donetsk)	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	28-Oct, 00:37
·	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	28-Oct, 00:38
	2-4km SSE	Recorded	4	Explosion	Undetermined	N/K	28-Oct, 00:38
	2-4km SSE	Recorded	4	Projectile	SW to NE	N/K	28-Oct, 02:37
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 02:37
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	28-Oct, 17:34
	3-5km SE	Recorded	1	Explosion	Impact	N/K	28-Oct, 17:34
	2-4km SE	Recorded	13	Projectile	W to E	N/K	27-Oct, 18:59
	2-4km SE	Recorded	2	Projectile	W to E	N/K	27-Oct, 19:05
	2-4km SE	Recorded	11	Projectile	W to E	N/K	27-Oct, 19:06
	2-4km SSE	Recorded	7	Projectile	SW to NE	N/K	27-Oct, 20:57
SMM camera in	2-4km SSE	Recorded	3	Projectile	SW to NE	N/K	27-Oct, 20:58
Berezove	2-4km SE	Recorded	2	Projectile	SW to NE	N/K	27-Oct, 21:11
(government- controlled,	2-4km SSE	Recorded	2	Projectile	SW to NE	N/K	27-Oct, 21:49
31km SW of	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	27-Oct, 22:11
Donetsk)	2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	27-Oct, 22:23
,	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	27-Oct, 22:31
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	27-Oct, 22:32
	2-4km ESE	Recorded	15	Projectile	SW to NE	N/K	28-Oct, 03:15
	2-4km SSE	Recorded	5	Projectile	SW to NE	N/K	28-Oct, 04:42
L		10001404		110,000110	211 to 11E	11/11	20 000, 01.12

1	2.41 GGE	l n 11		l n ·	CNV4 NE	NI/IZ	20 0 4 04 42
	2-4km SSE	Recorded	6	Projectile	SW to NE	N/K	28-Oct, 04:43
	3-4km SE	Recorded	3	Projectile	SW to NE	N/K	28-Oct, 17:22
	2-3km SE	Recorded	11	Projectile	N to S	N/K	28-Oct, 17:35
	2-4km SE	Recorded	7	Projectile	NNE to SSW	N/K	27-Oct, 18:02
	2-4km SE	Recorded	5	Projectile	SW to NE	N/K	27-Oct, 18:05
	2-4km SE	Recorded	7	Projectile	SW to NE	N/K	27-Oct, 18:06
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	27-Oct, 18:07
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	27-Oct, 18:43
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	27-Oct, 20:01
	2-4km SE	Recorded	13	Projectile	NE to SW	N/K	27-Oct, 20:02
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 20:02
SMM camera in	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	27-Oct, 20:08
Chermalyk	2-4km SE	Recorded	5	Explosion	Undetermined	N/K	27-Oct, 20:14
(government-	2-4km SE	Recorded	17	Projectile	NE to SW	N/K	27-Oct, 20:15
controlled,	2-4km SE	Recorded	3	Explosion		N/K	27-Oct, 20:15
31km NE of	2-4km SSE	Recorded	8	Projectile	SSW to NNE	N/K	27-Oct, 22:16
Mariupol)	2-4km SSE	Recorded	4	Projectile	SSW to NNE	N/K	27-Oct, 22:17
	2-4km SSE	Recorded	14	Projectile	NNE to SSW	N/K	27-Oct, 22:23
	2-4km SSE	Recorded	3	Burst	NNE to SSW	N/K	27-Oct, 22:23
	2-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	27-Oct, 22:24
	2-4km SSE	Recorded	7	Projectile	NNE to SSW	N/K	27-Oct, 22:24
	2-4km SSE	Recorded	1	Projectile	NNW to SSE	N/K	27-Oct, 22:25
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	27-Oct, 22:25
	2-4km SSE	Recorded	1	Burst	NNE to SSW	N/K	27-Oct, 22:37
	3-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Oct, 18:03
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	27-Oct, 18:16
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	27-Oct, 18:32
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 18:34
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Oct, 18:45
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	27-Oct, 18:48
	0.5-1km	recorded	1	Trojectiic	W to E	11/10	27 000, 10.10
	SSW	Recorded	1	Muzzle flash		N/K	27-Oct, 19:14
	0.5-1km						
	SSW	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 19:14
	0.5-1km S	Recorded	4	Muzzle flash		N/K	27-Oct, 19:16
	0.5-1km S	Recorded	11	Muzzle flash		N/K	27-Oct, 19:37
	0.5-1km S	Recorded	9	Projectile	SE to NW	N/K	27-Oct, 19:37
	0.5-1km S	Recorded	1	Burst	W to E	N/K	27-Oct, 19:38
	0.5-1km S	Recorded	15	Projectile	N to S	N/K	27-Oct, 19:39
	1-2km S	Recorded	1	Projectile	NW to SE	N/K	27-Oct, 19:40
SMM camera at	0.5-1km S	Recorded	1	Projectile	N to S	N/K	27-Oct, 19:40
Donetsk	0.5-1km S	Recorded	8	Projectile	N to S	N/K	27-Oct, 19:41
Filtration	2-3km SSW	Recorded	4	Explosion	Undetermined	N/K	27-Oct, 19:44
Station (15km N	1-2km S	Recorded	8	Explosion	Undetermined	N/K	27-Oct, 19:48
of Donetsk)	1-2km S	Recorded	1	Projectile	NW to SE	N/K	27-Oct, 19:48
	1-2km S	Recorded	6	Explosion	Undetermined	N/K	27-Oct, 19:49
	0.5-1km	110001400		2presien		1 112	27 300, 131.13
	SSW	Recorded	23	Explosion	Undetermined	N/K	27-Oct, 19:50
	1-2km S	Recorded	11	Explosion	Impact	N/K	27-Oct, 19:51
	0.2-0.5km S	Recorded	1	Explosion	Impact	N/K	27-Oct, 19:53
	0.5-1km			•	•		
	SSW	Recorded	1	Projectile	NW to SE	N/K	27-Oct, 20:01
	0.5-1km						
	SSW	Recorded	1	Explosion	Undetermined		27-Oct, 20:01
	0.1-0.3km	D			** 1	37.77	27 0 . 20 02
	SSW	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 20:02
	0.1-0.3km	Recorded	1	Drojectile	NNW to SSE	N/K	27 Oct 20:02
	0.1-0.3km	Recorded	1	Projectile	THIN W TO SSE	19/1	27-Oct, 20:02
	SSW	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 20:03
	22 M	Recorded	1	Explosion	Undetermined	1N/1K	27-Oct, 20:03

1	0.1-0.3km	i	l	1	1	Ī	1
	SSW	Recorded	1	Projectile	NNW to SSE	N/K	27-Oct, 20:03
	1-3km SSW	Recorded	2	Projectile	WNW to ESE	N/K	27-Oct, 20:05
	1-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	27-Oct, 20:10
	1-3km SSW	Recorded	5	Projectile	WNW to ESE	N/K	27-Oct, 20:15
	1-3km SSW	Recorded	4	Projectile	WNW to ESE	N/K	27-Oct, 20:17
	1-3km SSW	Recorded	2	Projectile	N to S	N/K	27-Oct, 20:17
	1-3km SSW	Recorded	8	Projectile	WNW to ESE	N/K	27-Oct, 20:18
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	27-Oct, 20:35
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 20:36
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 20:42
	0.3-1km S	Recorded	15	Explosion	Impact	N/K	27-Oct, 20:51
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	27-Oct, 21:32
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	27-Oct, 22:07
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	28-Oct, 02:32
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	28-Oct, 02:35
	1-2km SSW	Recorded	8	Projectile	NW to SE	N/K	28-Oct, 02:36
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	28-Oct, 02:37
	0.5-1km S	Recorded	6	Projectile	E to W	N/K	28-Oct, 17:12
	0.5-1km						
	SSW	Recorded	7	Projectile	E to W	N/K	28-Oct, 17:13
	0.5-1km SSW	Recorded	4	Projectile	E to W	N/K	28-Oct, 17:14
	1-3km SSW	Recorded	1	Projectile	NE to SW	N/K	28-Oct, 17:14 28-Oct, 17:16
	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	28-Oct, 17:16
	1-3km S	Recorded	2	Projectile	NNW to SSE	N/K	28-Oct, 17:37
	1-3km S	Recorded	2	Projectile	NNW to SSE	N/K	28-Oct, 17:44
	0.5-1km S	Recorded	2	Explosion	ININ W 10 SSE	N/K	28-Oct, 17:45
	1-3km SSW	Recorded	1	Explosion	Airburst	N/K	28-Oct, 17:51
	1-3km SSW	Recorded	4	Projectile	WNW to ESE	N/K	28-Oct, 18:04
	1-3km SSW	Recorded	3	Projectile	WNW to ESE	N/K	28-Oct, 18:13
	1-3km SSW	Recorded	4	Projectile	E to W	N/K	28-Oct, 18:17
	1-3km SSW	Recorded	5	Projectile	E to W	N/K	28-Oct, 18:24
	1-2km E	Recorded	2	Projectile	WNW to ESE	N/K	27-Oct, 18:53
	2-4km ESE	Recorded	2	Projectile	WSW to ENE	N/K	27-Oct, 19:16
	2-4km ESE	Recorded	4	Projectile	WSW to ENE	N/K	27-Oct, 19:17
	2-4km ESE	Recorded	1	Projectile	WSW to ENE	N/K	27-Oct, 19:50
	2-4km ESE	Recorded	2	Projectile	WSW to ENE	N/K	27-Oct, 19:51
	2-4km E	Recorded	13	Projectile	WNW to ESE	N/K	27-Oct, 20:13
	2-4km ENE	Recorded	8	Projectile	WNW to ESE	N/K	27-Oct, 20:21
	2-4km E	Recorded	1	Muzzle flash		N/K	27-Oct, 20:26
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	27-Oct, 20:26
	2-4km ENE	Recorded	14	Projectile	NW to SE	N/K	27-Oct, 20:38
SMM camera	2-4km E	Recorded	3	Projectile	N to S	N/K	27-Oct, 20:53
1.5km NE of	2-4km E	Recorded	1	Muzzle flash		N/K	27-Oct, 20:57
Hnutove (government-	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 20:57
controlled,	2-4km E	Recorded	3	Projectile	N to S	N/K	27-Oct, 20:57
20km NE of	2-4km E	Recorded	1	Projectile	N to S	N/K	27-Oct, 20:58
Mariupol)	2-4km ESE	Recorded	1	Muzzle flash		N/K	27-Oct, 21:19
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	27-Oct, 21:19
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	27-Oct, 21:21
	2-4km ESE	Recorded	4	Projectile	N to S	N/K	27-Oct, 21:23
	2-4km ESE	Recorded	1	Muzzle flash		N/K	27-Oct, 21:23
	2-4km E	Recorded	4	Projectile	N to S	N/K	27-Oct, 21:25
	2-4km E	Recorded	6	Projectile	N to S	N/K	27-Oct, 21:29
	2-4km E	Recorded	6	Projectile	N to S	N/K	27-Oct, 22:21
	2-4km E	Recorded	1	Muzzle flash		N/K	27-Oct, 22:21
	2-4km E	Recorded	22	Projectile	N to S	N/K	27-Oct, 22:23
	2-4km E	Recorded	9	Projectile	WNW to ESE	N/K	27-Oct, 22:23

	2-4km E	Recorded	6	Projectile	S to N	N/K	27-Oct, 22:23
	2-4km E	Recorded	4	Projectile	WSW to ENE	N/K	27-Oct, 22:54
	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 23:42
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	28-Oct, 01:15
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	28-Oct, 02:09
	2-4km E	Recorded	1	Burst	In vertical flight	N/K	28-Oct, 02:14
	2-4km ENE	Recorded	16	Projectile	NW to SE	N/K	28-Oct, 02:17
	2-4km E	Recorded	10	Projectile	S to N	N/K	28-Oct, 02:21
	2-4km E	Recorded	6	Projectile	S to N	N/K	28-Oct, 02:22
	2-4km ENE	Recorded	12	Projectile	N to S	N/K	28-Oct, 02:23
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	28-Oct, 02:24
	2-4km ENE	Recorded	11	Projectile	N to S	N/K	28-Oct, 02:25
	2-4km E	Recorded	3	Projectile	N to S	N/K	28-Oct, 02:47
	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Oct, 02:50
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Oct, 03:09
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	28-Oct, 03:10
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	28-Oct, 03:15
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	28-Oct, 03:29
	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	28-Oct, 03:30
	2-4km ENE	Recorded	9	Projectile	NW to SE	N/K	28-Oct, 03:48
	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Oct, 03:48
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	28-Oct, 03:56
	2-4km E	Recorded	2	Projectile	NW to SE	N/K	28-Oct, 04:49
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Oct, 04:51
	2-4km ENE	Recorded	8	Projectile	N to S	N/K	28-Oct, 05:09
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	28-Oct, 05:10
	4-6km ENE	Recorded	2	Projectile	In vertical flight	N/K	28-Oct, 17:20
	4-6km ENE	Recorded	11	Projectile	N to S	N/K	28-Oct, 17:44
	4-6km ENE	Recorded	3	Projectile	N to S	N/K	28-Oct, 17:45
	4-6km ESE	Recorded	1	Projectile	S to N	N/K	28-Oct, 18:00
	4-6km ESE	Recorded	6	Projectile	S to N	N/K	28-Oct, 18:01
	4-6km ESE	Recorded	5	Projectile	S to N	N/K	28-Oct, 18:02
	4-6km E	Recorded	2	Projectile	N to S	N/K	28-Oct, 18:02
	4-6km E	Recorded	1	Explosion	11105	N/K	28-Oct, 18:02
	4-6km E	Recorded	3	Projectile	N to S	N/K	28-Oct, 18:16
	4-6km ESE	Recorded	1	Explosion	11100	N/K	28-Oct, 18:16
SMM camera in	· viiiii EsE	110001400	-	2presien		1 1/12	20 000, 10.10
Krasnohorivka							
(government-							
controlled,							
21km W of	2 41 C	D 4 - 4	1	E1i	I I., d.,	NI/IZ	27 0-4 10-12
Donetsk)	2-4km S	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 19:13
SMM camera E	2-4km ENE	Recorded	4	Projectile	SW to NE	N/K	27-Oct, 18:42
of Lomakyne	2-4km NE 2-4km NE	Recorded Recorded	5	Explosion  Muzzle flash	Undetermined NE to SW	N/K N/K	27-Oct, 18:42 27-Oct, 19:14
(government- controlled,							· · · · · · · · · · · · · · · · · · ·
15km NE of	2-4km ENE 2-4km ENE	Recorded	6	Projectile	S to N	N/K N/K	27-Oct, 19:56
Mariupol)		Recorded	2	Projectile	SSW to NNE		28-Oct, 03:42
SMM camera at	2-4km ENE	Recorded	2	Muzzle flash	TT 14 1 1	N/K	28-Oct, 03:42
entry-exit	2-4km E	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 18:35
checkpoint in	2-4km E	Recorded	3	Projectile	N to S	N/K	27-Oct, 19:00
Maiorsk	2-4km E	Recorded	2	Projectile	N to S	N/K	27-Oct, 19:11
(government-	2-4km ENE	Recorded	2	Projectile	N to S	N/K	27-Oct, 19:51
controlled,	2-4km ENE	Recorded	3	Projectile	N to S	N/K	27-Oct, 20:07
45km NE of	2.41	D		D 1 11	G . N	31/77	20.0 : 17.77
Donetsk)	2-4km ENE	Recorded	5	Projectile	S to N	N/K	28-Oct, 17:55
SMM camera at	1-3km NNE	Recorded	1	Projectile	W to E	N/K	27-Oct, 19:09
entry-exit	1-2km N	Recorded	1	Projectile	W to E	N/K	27-Oct, 21:26
checkpoint in Marinka	1-2km N	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 21:34
1VIGITIIKG	1-2km N	Recorded	1	Projectile	In vertical flight	N/K	27-Oct, 22:50

1 .		1	i	1	ı	1	
(government-							
controlled, 23km SW of							
Donetsk)	1-3km NNE	Recorded	7	Projectile	W to E	N/K	28-Oct, 17:57
Donetsky	2-4km SSE	Recorded	1	Burst	E to W	N/K	27-Oct, 18:39
	2-4km S	Recorded	2	Explosion	Airburst	N/K	27-Oct, 18:40
20.00	2-4km SSE	Recorded	5	Explosion	Undetermined	N/K	27-Oct, 18:42
SMM camera at	2-4km SSE	Recorded	5	Projectile	W to E	N/K	27-Oct, 18:42
entry-exit checkpoint in	2-4km SSE	Recorded	2	Projectile	W to E	N/K	27-Oct, 19:17
Pyshchevyk	Z IKIII BBE	recorded		Illumination	WED	17/12	27 300, 19.17
(government-	2-4km SSE	Recorded	1	flare	In vertical flight	N/K	27-Oct, 19:19
controlled,	2-4km S	Recorded	1	Projectile	E to W	N/K	27-Oct, 19:56
25km NE of	2-4km S	Recorded	2	Projectile	E to W	N/K	27-Oct, 19:57
Mariupol)	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	27-Oct, 20:16
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	27-Oct, 21:19
	2-4km SSE	Recorded	6	Projectile	E to W	N/K	27-Oct, 21:21
	3-5km E	Recorded	2	Projectile	S to N	N/K	27-Oct, 18:01
	3-5km E	Recorded	5	Projectile	S to N	N/K	27-Oct, 18:17
	3-5km E	Recorded	2	Projectile	S to N	N/K	27-Oct, 18:18
	2-4km E	Recorded	4	Projectile	N to S	N/K	27-Oct, 18:18 27-Oct, 21:08
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Oct, 21:09
	2-3km E	Recorded	1	Explosion	Impact	N/K	27-Oct, 21:09
	2-4km E	Recorded	10	Projectile	S to N	N/K	27-Oct, 21:27
	2-4km E	Recorded	3	Projectile	N to S	N/K	27-Oct, 21:27
							•
	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 21:29
	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 21:30
	2-4km E	Recorded	1	Explosion	Impact	N/K	27-Oct, 21:30
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	27-Oct, 21:30
	2-4km E	Recorded	1	Projectile	N to S	N/K	27-Oct, 21:41
	2-4km E	Recorded	1	Explosion	Impact	N/K	27-Oct, 21:41
	2-4km E	Recorded	14	Projectile	S to N	N/K	27-Oct, 21:45
	2-4km E	Recorded	8	Projectile	S to N	N/K	27-Oct, 21:46
	2-4km E	Recorded	16	Projectile	S to N	N/K	27-Oct, 21:47
	2-4km E	Recorded	2	Explosion	Impact	N/K	27-Oct, 22:07
	2-4km E	Recorded	1	Projectile	N to S	N/K	27-Oct, 22:07
SMM camera in	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 22:10
Svitlodarsk	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 22:14
(government- controlled,	2-4km E	Recorded	7	Projectile	S to N	N/K	27-Oct, 22:29
57km NE of	2-4km E	Recorded	1	Explosion	Undetermined	N/K	27-Oct, 22:32
Donetsk)	2-4km ENE	Recorded	6	Projectile	N to S	N/K	27-Oct, 22:35
,	2-4km E	Recorded	7	Projectile	N to S	N/K	27-Oct, 22:36
	2-4km E	Recorded	1	Explosion	Impact	N/K	27-Oct, 22:36
	2-4km E	Recorded	1	Projectile	S to N	N/K	27-Oct, 22:36
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	27-Oct, 23:15
	2-4km E	Recorded	11	Projectile	N to S	N/K	28-Oct, 00:58
	2-4km E	Recorded	1	Projectile	S to N	N/K	28-Oct, 01:04
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Oct, 01:05
	2-4km E	Recorded	5	Projectile	S to N	N/K	28-Oct, 01:07
	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Oct, 01:07
	2-4km E	Recorded	2	Projectile	S to N	N/K	28-Oct, 01:07 28-Oct, 01:08
			6				
	2-4km ESE	Recorded		Projectile Projectile	S to N	N/K	28-Oct, 01:13
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	28-Oct, 01:13
	2-4km ESE	Recorded	4	Projectile	N to S	N/K	28-Oct, 01:16
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	28-Oct, 01:16
	2-4km ESE	Recorded	1	Explosion	Airburst	N/K	28-Oct, 01:16
	2-4km ESE	Recorded	3	Projectile	S to N	N/K	28-Oct, 01:16
	2-4km ESE	Recorded	2	Explosion	Impact	N/K	28-Oct, 01:16
	2-4km E	Recorded	10	Projectile	N to S	N/K	28-Oct, 01:29
	2-4km E	Recorded	13	Projectile	S to N	N/K	28-Oct, 03:40

	2-4km E	Recorded	11	Projectile	N to S	N/K	28-Oct, 03:41
	2-4km E	Recorded	3	Projectile	S to N	N/K	28-Oct, 03:41
	2-4km E	Recorded	10	Projectile	S to N	N/K	28-Oct, 03:42
	2-4km E	Recorded	1	Explosion		N/K	28-Oct, 18:13
SMM camera in Zolote (government-	4-5km ESE	Recorded	11	Projectile	SW to NE (assessed as outside the disengagement area)	N/K	28-Oct, 17:14
controlled, 60km W of Luhansk)	4 Slam ESE	Recorded	6	Ducinatila	In vertical flight (assessed as outside the disengagement area)	N/K	29 Oct 17:14
Debaltseve	4-5km ESE	Recorded	0	Projectile	area)	IN/IX	28-Oct, 17:14
(non- government- controlled, 58km NE of Donetsk)	5-6km NNE	Heard	1	Explosion		Other	27-Oct, 18:50
Oleksandrivka (non- government- controlled, 20km SW of Donetsk)	1-2km W	Heard	9	Shot		HMG	28-Oct, 11:08- 11:10
1.5km WNW of	1.5km SW	Heard	1	Explosion		N/K	28-Oct, 07:48
Yasynuvata	1.5km SW	Heard	3	Burst		HMG	28-Oct, 07:50
(non- government- controlled, 16km NE of Donetsk)	1.5km SW	Heard	1	Explosion		N/K	28-Oct, 07:56
Bonetsk)	2km WNW	Heard	4	Explosion		N/K	28-Oct, 08:13
	1.5km SSW	Heard	3	Shot		HMG	28-Oct, 08:15
	1.5km SSW	Heard	1	Explosion		N/K	28-Oct, 08:26
	1.3KIII 33 W	пеаги	1	Explosion		Small	28-001, 08:20
1.1km NW of railway station	1.5km SSW	Heard	3	Burst		arms	28-Oct, 08:49
in Yasynuvata	1.5km SSW	Heard	7	Shot		Small	28-Oct, 09:00
(non- government-	1-1.5km					Small	
controlled,	SSW	Heard	4	Shot		arms	28-Oct, 10:35
16km NE of	1-1.5km SSW	Heard	3	Shot		Small	28-Oct, 11:07
Donetsk)	1-1.5km	пеаги	3	Shot		arms Small	28-Oct, 11:07
	SSW	Heard	12	Shot		arms	12:42
	1-1.5km SSW	Heard	1	Explosion		N/K	28-Oct, 13:35
Horlivka (non-	5-7km	II1	4	E1i	T I., 4-4	NI/IZ	27-Oct, 23:09-
government-	NNW	Heard	4	Explosion	Undetermined	N/K	23:12
controlled, 39km NE of	5-7km NNW	Heard	3	Shot		Small arms	27-Oct, 23:13
Donetsk)	5-7km NNW	Heard	3	Explosion	Undetermined	N/K	27-Oct, 23:15- 23:18
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 18:35
0.11.1.1	2-3km SE	Heard	25	Shot		Small arms	27-Oct, 18:39- 18:41
Svitlodarsk (government-	3-5km SE	Heard	18	Burst		HMG	27-Oct, 18:39- 18:42
controlled,	2-4km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 18:44
57km NE of	2-4km SE	Heard	5	Burst	Chacterininea	HMG	27-Oct, 18:44
Donetsk)						Small	27-Oct, 18:44-
	2-3km SE	Heard	17	Shot		arms	18:47
	3-4km SE	Heard	7	Burst		HMG	27-Oct, 18:51

3-5km SE	Heard	3	Explosion	Undetermined	N/K	27-Oct, 18:53
					Small	
2-3km S	Heard	3	Shot		arms	27-Oct, 18:53
3km SE	Heard	3	Burst		Small arms	27-Oct, 18:54
2-3km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 18:56
2-3KIII SL	Treard		Explosion	Ondetermined	Small	27-000, 10.30
2-3km SE	Heard	7	Burst		arms	27-Oct, 18:57
2-3km SE	Heard	9	Burst		HMG	27-Oct, 18:58
					Small	
2-3km SE	Heard	6	Shot		arms	27-Oct, 18:58
3-4km SE	Heard	4	Burst		HMG	27-Oct, 19:05
2.21 GE	77 1		D. A		Small	27.0 + 10.11
2-3km SE 3-5km SE	Heard Heard	2	Burst		arms	27-Oct, 19:11
3-5km SE	Heard	1	Burst Explosion	Undetermined	HMG N/K	27-Oct, 19:12 27-Oct, 19:17
3-5km SE	Heard	6	Burst	Ondetermined	HMG	27-Oct, 19:17 27-Oct, 19:19
3-3KIII SE	Ticard	0	Durst		Small	27-000, 17.17
2-3km SE	Heard	5	Shot		arms	27-Oct, 19:21
2-3km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 19:23
			•			27-Oct, 19:25-
2-4km SE	Heard	9	Burst		HMG	19:27
2-4km SE	Heard	5	Burst		HMG	27-Oct, 19:29
21 05			ъ.		Small	27-Oct, 19:32-
3km SE	Heard	11	Burst		arms	19:33 27-Oct, 19:36-
3-5km SE	Heard	12	Burst		HMG	19:38
2-4km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 19:37
2-4KIII SL	Ticara	1	Lapiosion	Ondetermined	Small	27-Oct, 19:40-
2-3km SE	Heard	12	Shot		arms	19:41
					Small	
2-3km SE	Heard	9	Burst		arms	27-Oct, 19:42
2-4km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 19:43
3-5km SE	Heard	5	Burst		HMG	27-Oct, 19:46
3-5km SE	Heard	5	Burst		HMG	27-Oct, 19:47
3-5km SE	Heard	10	Burst		HMG	27-Oct, 19:49
2-4km SE	Heard	8	Burst	** 1	HMG	27-Oct, 19:50
2-4km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 19:57
2-3km SE	Heard	1	Burst		Small arms	27-Oct, 20:07
3-4km E	Heard	6	Burst		HMG	27-Oct, 20:14
3-5km SE	Heard	12	Burst		HMG	27-Oct, 20:19
3-5km SE	Heard	8	Burst		HMG	27-Oct, 20:22
3-5km SE	Heard	17	Burst		HMG	27-Oct, 20:23
	110010	1,	20130		Small	27-Oct, 20:25-
2-3km SE	Heard	22	Shot		arms	20:27
3-4km SE	Heard	5	Burst		HMG	27-Oct, 20:31
3-5km SE	Heard	12	Burst		HMG	27-Oct, 20:34
3-5km SE	Heard	5	Burst		HMG	27-Oct, 20:39
3-5km SE	Heard	8	Burst		HMG	27-Oct, 20:40
2-4km SE	Heard	8	Explosion	Undetermined	N/K	27-Oct, 20:41
3-5km SE	Heard	6	Burst		HMG	27-Oct, 20:42
2-4km SE	Heard	1	Explosion	Undetermined	N/K	27-Oct, 20:57
5-8km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 20:57
2.41 SE	Поста	4	Evelosia	I Indotama:1	NI/IZ	27-Oct, 20:58-
2-4km SE	Heard	5	Explosion	Undetermined	N/K	20:59
2-4km SE	Heard	2	Explosion	Undetermined	N/K	27-Oct, 21:02
2-4km SE 5-6km E	Heard Heard	4	Explosion Explosion	Undetermined Undetermined	N/K N/K	27-Oct, 21:03 27-Oct, 21:08
J-UKIII E	Ticalu	4	EXPIOSION	Onactenninea	1 1/ 1/2	27-Oct, 21:08 27-Oct, 21:13-
5-6km E	Heard	3	Explosion	Undetermined	N/K	21:14
5-6km E	Heard	7	Explosion	Undetermined	N/K	27-Oct, 21:15-
						,

5-6km E         Heard         Burst         Uncountable         HMG         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           6-8km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         3         Burst         HMG         27-Oct, 21           2-4km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           2-3km E         Heard         3         Shot         Small         arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         27-Oct, 21           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard	:16 :18 :18 :18 :19 :20 :21 :25- :27 :28 :29 :30 :31
5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           6-8km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         7         Burst         HMG         27-Oct, 21           3-5km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           2-3km E         Heard         3         Shot         Small         arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         27-Oct, 21           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E <td< td=""><td>:16 :18 :18 :18 :19 :20 :21 :25- :27 :28 :29 :30 :31</td></td<>	:16 :18 :18 :18 :19 :20 :21 :25- :27 :28 :29 :30 :31
6-8km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         7         Burst         HMG         27-Oct, 21           3-5km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           2-3km E         Heard         3         Shot         Small         arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Hear	:18 :18 :18 :19 :20 :21 :25- :27 :28 :29 :30 :31
5-6km E         Heard         7         Burst         HMG         27-Oct, 21           3-5km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           2-3km E         Heard         3         Shot         Small         arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4	:18 :18 :19 :20 :21 :25- :27 :28 :29 :30 :31
3-5km E         Heard         3         Burst         HMG         27-Oct, 21           2-4km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           2-3km E         Heard         3         Shot         Small arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosio	:18 :19 :20 :21 :25- :27 :28 :29 :30 :31 :36
2-3km E         Heard         3         Shot         Small arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard <t< td=""><td>:20 :21 :25- :27 :28 :29 :30 :31 :36</td></t<>	:20 :21 :25- :27 :28 :29 :30 :31 :36
2-3km E         Heard         3         Shot         arms         27-Oct, 21           5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:21 :25- :27 :28 :29 :30 :31 :36
5-6km E         Heard         3         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:21 :25- :27 :28 :29 :30 :31 :36
5-6km E         Heard         5         Explosion         Undetermined         N/K         27-Oct, 21           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:25- :27 :28 :29 :30 :31 :36
5-6km E         Heard         5         Explosion         Undetermined         N/K         21:26           3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:27 :28 :29 :30 :31 :36
3-5km E         Heard         2         Burst         HMG         27-Oct, 21           3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:28 :29 :30 :31 :36
3-5km E         Heard         4         Burst         HMG         27-Oct, 21           3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:28 :29 :30 :31 :36
3-5km E         Heard         8         Burst         HMG         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         2         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         4         Explosion         Undetermined         N/K         27-Oct, 21           5-6km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 21	:29 :30 :31 :36
5-6km EHeard1ExplosionUndeterminedN/K27-Oct, 215-6km EHeard1ExplosionUndeterminedN/K27-Oct, 215-6km EHeard2ExplosionUndeterminedN/K27-Oct, 215-6km EHeard4ExplosionUndeterminedN/K27-Oct, 215-6km EHeard1ExplosionUndeterminedN/K27-Oct, 21	:30 :31 :36
5-6km EHeard1ExplosionUndeterminedN/K27-Oct, 215-6km EHeard2ExplosionUndeterminedN/K27-Oct, 215-6km EHeard4ExplosionUndeterminedN/K27-Oct, 215-6km EHeard1ExplosionUndeterminedN/K27-Oct, 21	:31 :36
5-6km EHeard2ExplosionUndeterminedN/K27-Oct, 215-6km EHeard4ExplosionUndeterminedN/K27-Oct, 215-6km EHeard1ExplosionUndeterminedN/K27-Oct, 21	:36
5-6km E Heard 4 Explosion Undetermined N/K 27-Oct, 21 5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 21	
5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 21	
	:43
3-5km E Heard 9 Burst HMG 27-Oct, 21	
3-5km E Heard 2 Burst HMG 27-Oct, 21	
2-4km E Heard 4 Burst HMG 27-Oct, 21	
27-Oct, 22	:00-
5-6km E Heard 3 Explosion Undetermined N/K 22:01	
27-Oct, 22	:06-
2-4km E Heard 12 Burst HMG 22:07	00
5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 22	
2-4km E         Heard         Burst         Uncountable         HMG         27-Oct, 22           3-5km E         Heard         1         Explosion         Undetermined         N/K         27-Oct, 22	
3-5km E Heard 1 Explosion Undetermined N/K 27-Oct, 22 Small	:09
2-3km E Heard 3 Shot arms 27-Oct, 22	:09
2-4km E Heard 9 Burst HMG 27-Oct, 22	
2-4km E Heard 9 Burst HMG 27-Oct, 22	
5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 22	:12
27-Oct, 22	:14-
5-6km E Heard 3 Explosion Undetermined N/K 22:16	
2-4km E Heard Burst Uncountable HMG 27-Oct, 22	:18-
2-4km E         Heard         Burst         Uncountable         HMG         22:20           27-Oct, 22         27-Oct, 22	.18-
5-6km E Heard 2 Explosion Undetermined N/K 22:19	.10
27-Oct, 22	:22-
5-6km E Heard 5 Explosion Undetermined N/K 22:25	
5-6km E Heard 4 Explosion Undetermined N/K 27-Oct, 22	
2. 21-m E	:31-
2-3km E Heard Burst Uncountable HMG 22:33	.22
5-6km E Heard 3 Explosion Undetermined N/K 27-Oct, 22	
2-3km SW Heard 40 Burst HMG 27-Oct, 22 27-Oct, 22	
5-6km E Heard 5 Explosion Undetermined N/K 22:38	.55-
5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 22	:39
27-Oct, 22	
2-3km E Heard 7 Burst HMG 22:44	
27-Oct, 22	:44-
5-6km E Heard 3 Explosion Undetermined N/K 22:47	
5-6km E Heard 1 Explosion Undetermined N/K 27-Oct, 22	
5-6km E Heard 12 Explosion Undetermined N/K 27-Oct, 23	.03-
27-Oct, 23	·05-
3-4km SW   Heard   80   Burst   HMG   23:56	.05-
2-4km SW Heard 2 Explosion Undetermined N/K 28-Oct, 07	.05-

	2-4km SE	Heard	2	Burst		HMG	28-Oct, 07:36
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Oct, 07:41
	3-5km SW	Heard	5	Burst		HMG	28-Oct, 17:40
	3-5km SW	Heard	4	Burst		HMG	28-Oct, 17:46
	3-5km S	Heard	2	Explosion	Undetermined	N/K	28-Oct, 17:56
	3km S	Heard	13	Burst		HMG	28-Oct, 18:05
							28-Oct, 18:07-
	3km S	Heard	14	Burst		HMG	18:09
	3km S	Heard	3	Burst		HMG	28-Oct, 18:10
						Small	
	2km S	Heard	16	Burst		arms	28-Oct, 18:11
S outskirts of Muratove	2-4km W	Heard	1	Explosion	Undetermined	N/K	28-Oct, 10:05
(government- controlled, 50km NW of Luhansk)	2-4km SW	Heard	7	Explosion	Undetermined	N/K	28-Oct, 10:06- 10:10
N outskirts of Zolote-4/Rodina (government- controlled, 59km W of Luhansk)	1-2km SW	Heard	39	Shot	Outgoing (assessed as inside the disengagement area)	Small arms	28-Oct, 11:10- 11:17
Zolote-4/Rodina (government- controlled,	1-2km SW	Heard	14	Shot	Assessed as inside the disengagement area) Outgoing	Small arms	28-Oct, 11:20- 11:32
59km W of Luhansk)	2-3km NW	Heard	6	Shot	(assessed as outside the disengagement area)	Small arms	28-Oct, 11:20- 11:32

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



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