Table of ceasefire violations as of 17 March 2019¹

	Event					Weapo	
SMM position	location	Means	No.	Observation	Description	n	Date, time
SMM camera in	2-4km SSE	Recorded	18	Projectile	W to E	N/K	15-Mar, 20:45
Berezove							
(government-							
controlled, 31km SW of Donetsk)	2 Alem CCE	Dagardad	5	Designatile	W to E	NI/IZ	15 Man 20.49
SW of Donetsk)	2-4km SSE 2-4km SSE	Recorded Recorded	5 2	Projectile Projectile	ENE to WSW	N/K N/K	15-Mar, 20:48
	2-4km SSE 2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K N/K	15-Mar, 19:51
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K N/K	15-Mar, 19:52 15-Mar, 19:54
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Mar, 19:55
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	15-Mar, 19:56
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Mar, 19:58
SMM camera in	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Mar, 19:59
Chermalyk	2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	15-Mar, 20:03
(government-	2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Mar, 20:03
controlled, 31km	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Mar, 20:04
NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	15-Mar, 20:07
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	15-Mar, 21:50
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	15-Mar, 22:39
	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	15-Mar, 23:03
	2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	16-Mar, 00:13
	3-5km SE	Recorded	1	Explosion	Airburst	N/K	16-Mar, 00:21
	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	15-Mar, 18:43
	200-500m	110001000		Trojectire	112 10 2 11	1,722	10 1/141, 101.10
	SSW	Recorded	2	Explosion	Impact	N/K	15-Mar, 18:43
	1-2km S	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 18:44
	0.5-1km SSW	Recorded	4	Projectile	SW to NE	N/K	15-Mar, 18:44
	200-500m						,
	SSW	Recorded	2	Projectile	NW to SE	N/K	15-Mar, 18:44
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 19:02
	200-500m S	Recorded	1	Explosion	Impact	N/K	15-Mar, 19:22
	1-2km S	Recorded	1	Explosion	Impact	N/K	15-Mar, 19:47
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Mar, 20:07
	0.8-1km S	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:07
	1-2km SSW	Recorded	2	Projectile	WNW to ESE	N/K	15-Mar, 20:11
SMM camera at	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:13
Donetsk Filtration	0.5-1km SSW	Recorded	2	Explosion	Impact	N/K	15-Mar, 20:24
Station (15km N	500-800m						
of Donetsk)	SSW	Recorded	3	Projectile	WNW to ESE	N/K	15-Mar, 20:24
	0.5-1km SSE	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:24
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 20:24
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:24
	0.5-1km SSW	Recorded	8	Explosion	Impact	N/K	15-Mar, 20:25
	300-500m S	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:25
	0.5-1km SSW	Recorded	1	Projectile	WNW to ESE	N/K	15-Mar, 20:25
	0.5-1km S	Recorded	2	Explosion	Impact	N/K	15-Mar, 20:25
	0.5-1km SSE	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:25
	0.5-1km SSE	Recorded	4	Explosion	Impact	N/K	15-Mar, 20:26
	0.5-1km S	Recorded	2	Explosion	Impact	N/K	15-Mar, 20:26
	0.5-1km SSW	Recorded	5	Explosion	Impact	N/K	15-Mar, 20:26
	0.5-1km S	Recorded	11	Projectile	WNW to ESE	N/K	15-Mar, 20:26
	0.5-1km SSE	Recorded	3	Projectile	ENE to WSW	N/K	15-Mar, 20:27

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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.

1	0.5-1km S	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:27
	0.5-1km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 20:27
	0.5-1km S	Recorded	2	Projectile	WNW to ESE	N/K	15-Mar, 20:28
	0.5-1km SSW	Recorded	11	Projectile	W to E	N/K	15-Mar, 20:28
	0.0 1 25 11	110001000		Illumination	to 2	1 1/12	10 1/141, 20120
	0.5-1km S	Recorded	1	flare	In vertical flight	N/K	15-Mar, 20:28
	0.5-1km SSE	Recorded	3	Explosion	Impact	N/K	15-Mar, 20:28
	0.5-1km S	Recorded	7	Explosion	Impact	N/K	15-Mar, 20:28
	0.5-1km SSW	Recorded	7	Explosion	Impact	N/K	15-Mar, 20:28
	0.5-1km SSW	Recorded	3	Projectile	W to E	N/K	15-Mar, 20:29
	300-600m	D 1.1	_	3.6 1.0 1		NI /IZ	15.34 20.20
	SSW 1-2km S	Recorded Recorded	5	Muzzle flash Projectile	NE to SW	N/K N/K	15-Mar, 20:29 15-Mar, 20:30
	1-2km SSW	Recorded	4	Explosion	Undetermined	N/K N/K	15-Mar, 20:30 15-Mar, 20:32
	500-800m S	Recorded	1	Explosion	Impact	N/K	15-Mar, 20:32
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 22:09
	1-2km S	Recorded	1	Projectile	ESE to WNW	N/K	15-Mar, 22:48
	1-2km SSW	Recorded	1	Projectile	SE to NW	N/K	16-Mar, 18:13
	2-4km ESE	Recorded	3	Projectile	ENE to WSW	N/K	15-Mar, 18:40
SMM camera	2-4km ESE	Recorded	2	Projectile	WNW to ESE	N/K	15-Mar, 19:30
1.5km NE of	2-4km ESE	Recorded	1	Projectile	N to S	N/K	15-Mar, 20:42
Hnutove				Illumination			. ,
(government-	1-2km E	Recorded	1	flare	In vertical flight	N/K	15-Mar, 21:27
controlled, 20km	1-2km E	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 21:28
NE of Mariupol)	2-4km ESE	Recorded	1	Projectile	N to S	N/K	15-Mar, 22:01
SMM camera at	2-3km SSE	Recorded	3	Projectile	E to W	N/K	15-Mar, 19:58
entry-exit	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	15-Mar, 20:39
checkpoint in							
Pyshchevyk							
(government-							
controlled, 25km	2.41 005	D 1.1	_	D 1 12	E. W	NI /IZ	15.34 20.41
NE of Mariupol)	2-4km SSE	Recorded	2	Projectile	E to W	N/K	15-Mar, 20:41
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 09:32
	3km SW	Heard	2	Explosion	Undetermined	N/K	16-Mar, 09:43-09:50
	JKIII S VV	Ticard		Explosion	Chacterinica	Small	16-Mar,
	5km SW	Heard	1	Shot		arms	09:43-09:50
About 1km NW of		Titulo		Shot		ums	16-Mar,
railway station in	2km WNW	Heard	1	Explosion	Undetermined	N/K	09:43-09:50
Yasynuvata (non-	1-1.5km			•		Small	16-Mar,
government-	WNW	Heard	1	Shot		arms	09:43-09:50
controlled, 16km							16-Mar,
NE of Donetsk)	3km WSW	Heard	2	Explosion	Undetermined	N/K	13:35-13:36
						Small	
	1-2km WSW	Heard	15	Shot		arms	16-Mar, 13:55
	1-2km WSW	Heard	4	Explosion	Undetermined	N/K	16-Mar, 13:55
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 12:05
***	3-5km N	Heard	1	Explosion	Undetermined	N/K	16-Mar, 12:05
Yasynuvata	1.5km WSW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 10:42
railway station	3km WNW	Heard	2	Explosion	Undetermined	N/K	16-Mar, 10:43
(non-government- controlled, 16km							
NE of Donetsk)	2-3km NW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 11:29
S edge of	2 Skiii i v v	Ticara	1	LAPIOSION	Chacterininea	11/11	10 14141, 11.29
Avdiivka							
(government-							
controlled, 17km							
N of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 10:43
					Assessed as		
About 2km N of					inside the		
Petrivske (non-	2.51 55		_	GI .	disengagement	Small	1635 1000
government-	2.5km SSW	Heard	2	Shot	area	arms	16-Mar, 10:00
controlled, 41km					Assessed as	Small	
S of Donetsk)	1km S	Heard	1	Shot	outside the disengagement	arms	16-Mar, 10:00
	ט ווואז ו	Ticaru	1	BIIOI	discingagement	arms	10-1 v1 a1, 10.00

	\neg	I	1	İ	1	i	Î
			+		Assessed as		
					115505500000		
					outside the		
	2.41 137	77 1	0	GI .	disengagement	Cannon	1634 1010
	3-4km W	Heard	8	Shot	area	30mm	16-Mar, 10:19
					Assessed as		
					outside the		
					disengagement	Small	16-Mar,
	1-1.5km SSW	Heard	7	Shot	area	arms	10:24-10:33
					Assessed as		
					inside the		
					disengagement	Cannon	
	4-5km SW	Heard	2	Shot	area	30mm	16-Mar, 10:36
3km NE of							16-Mar,
Zaichenko (non-	N/K SW	Heard	4	Explosion	Undetermined	N/K	10:33-10:42
,						Cannon	16-Mar,
government-	N/K WSW	Heard	15	Shot		30mm	10:57-11:05
controlled, 26km							16-Mar,
NE of Mariupol)	N/K WSW	Heard	20	Burst		HMG	10:57-11:05
	3-4km S	Heard	6	Burst		HMG	15-Mar, 21:00
Horlivka (non-	4-6km SE	Heard	2	Explosion	Undetermined	N/K	15-Mar, 21:03
government-		-100.0	 		2 martinimed	1,722	16-Mar,
controlled, 39km	2-4km S	Heard	20	Burst		HMG	12:11-12:15
NE of Donetsk)	6-8km WSW	Heard	20	Explosion	Undetermined	N/K	16-Mar, 17:18
	0-okiii w s w	пеан		Explosion	Undetermined	Small	15-Mar.
	2 41cm CE	Hoond	20	Dungt			,
	2-4km SE	Heard	38	Burst		arms	18:49-18:53
	4-6km SW	Heard	3	Burst		HMG	15-Mar, 18:56
	2-4km SE	Heard	4	Burst		HMG	15-Mar, 18:59
	4-6km SW	Heard	12	Burst		HMG	15-Mar, 19:02
						Small	
	4-6km SW	Heard	8	Shot		arms	15-Mar, 19:04
	2-4km SE	Heard	8	Burst		HMG	15-Mar, 19:11
						Small	
	2-4km SE	Heard	4	Shot		arms	15-Mar, 19:21
						Small	
	2-4km SE	Heard	7	Burst		arms	15-Mar, 19:31
						Small	
	4-6km SW	Heard	4	Shot		arms	15-Mar, 19:40
						Small	
	2-4km SE	Heard	10	Burst		arms	15-Mar, 19:50
	-						. ,
			Unc				
			Unc			Small	15-Mar.
	2-4km SE	Heard	ount	Burst		Small arms	15-Mar, 19:51-19:53
Svitlodarsk	2-4km SE	Heard		Burst		arms	15-Mar, 19:51-19:53
(government-			ount able			arms Small	19:51-19:53
(government- controlled, 57km	2-4km SE	Heard	ount able	Burst	Undetermined	arms Small arms	19:51-19:53 15-Mar, 20:03
(government-			ount able		Undetermined	arms Small arms N/K	19:51-19:53
(government- controlled, 57km	2-4km SE 2-4km SE	Heard Heard	ount able 8	Burst Explosion	Undetermined	arms Small arms N/K Small	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05
(government- controlled, 57km	2-4km SE	Heard	ount able	Burst	Undetermined	arms Small arms N/K Small arms	19:51-19:53 15-Mar, 20:03
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE	Heard Heard Heard	ount able 8 1	Burst Explosion Shot	Undetermined	arms Small arms N/K Small arms Small	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10
(government- controlled, 57km	2-4km SE 2-4km SE	Heard Heard	ount able 8	Burst Explosion	Undetermined	arms Small arms N/K Small arms Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE	Heard Heard Heard	ount able 8 1 6	Burst Explosion Shot	Undetermined	arms Small arms N/K Small arms Small arms Small	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:16
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE	Heard Heard Heard	ount able 8 1	Burst Explosion Shot	Undetermined	arms Small arms N/K Small arms Small arms Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW	Heard Heard Heard Heard Heard	ount able 8 1 6 8	Burst Explosion Shot Shot Burst	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE	Heard Heard Heard	ount able 8 1 6	Burst Explosion Shot Shot	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 4-6km SW 2-4km SE	Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2	Burst Explosion Shot Shot Burst Burst	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small arms Small	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22 15-Mar, 20:28 15-Mar,
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW	Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8	Burst Explosion Shot Shot Burst Burst Burst		arms Small arms N/K Small arms Small arms Small arms Small arms Small arms Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:28 15-Mar, 20:30-20:32
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW	Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2	Burst Explosion Shot Shot Burst Burst	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small arms Small arms N/K	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:23 15-Mar, 20:31
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW	Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2 9	Burst Explosion Shot Shot Burst Burst Burst		arms Small arms N/K Small arms Small arms Small arms Small arms Small arms Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:28 15-Mar, 20:30-20:32
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW	Heard Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2 2 9 1	Burst Explosion Shot Shot Burst Burst Burst Explosion	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small arms Small arms N/K	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:23 15-Mar, 20:31
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW	Heard Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2 2 9 1	Burst Explosion Shot Shot Burst Burst Burst Explosion	Undetermined	arms Small arms N/K Small arms Small arms Small arms Small arms Small arms N/K N/K	19:51-19:53 15-Mar, 20:03 15-Mar, 20:05 15-Mar, 20:10 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:23 15-Mar, 20:31
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW 4-6km SW 3-4km SE	Heard Heard Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2 2 9 1 1	Burst Explosion Shot Shot Burst Burst Explosion Explosion	Undetermined	arms Small arms N/K Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:32 15-Mar, 20:31 15-Mar, 20:34
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW 4-6km SW 3-4km SE	Heard	ount able 8 1 6 8 2 2 9 1 1 8	Burst Explosion Shot Shot Burst Burst Explosion Explosion Shot	Undetermined	arms Small arms N/K Small arms N/K N/K Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:32 15-Mar, 20:31 15-Mar, 20:34 15-Mar, 20:34
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW 4-6km SW 3-4km SE	Heard Heard Heard Heard Heard Heard Heard Heard Heard	ount able 8 1 6 8 2 2 9 1 1	Burst Explosion Shot Shot Burst Burst Explosion Explosion	Undetermined	arms Small arms N/K Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:32 15-Mar, 20:31 15-Mar, 20:34
(government- controlled, 57km	2-4km SE 2-4km SE 2-4km SE 2-4km SE 4-6km SW 4-6km SW 4-6km SW 3-4km SE	Heard	ount able 8 1 6 8 2 2 9 1 1 8	Burst Explosion Shot Shot Burst Burst Explosion Explosion Shot	Undetermined	arms Small arms N/K Small arms N/K N/K Small arms	19:51-19:53 15-Mar, 20:03 15-Mar, 20:10 15-Mar, 20:16 15-Mar, 20:22 15-Mar, 20:22 15-Mar, 20:32 15-Mar, 20:31 15-Mar, 20:34 15-Mar, 20:34

1	I	1	Unc	1		I	1
			ount				15-Mar,
	2-4km SE	Heard	able	Burst		HMG	20:55-20:56
	2 41 ECE	111		Downst		IIMC	15-Mar,
	2-4km ESE 2-4km ESE	Heard Heard	1	Burst Burst		HMG HMG	21:29-21:32 15-Mar, 21:42
	2-4km ESE	Heard	6	Burst		HMG	15-Mar, 22:16
Kodema	2 11111 202	110010	Ü	<u> </u>		111.10	10 1/141, 22/10
(government- controlled, 57km NE of Donetsk)	2-3km SW	Heard	9	Shot		Small arms	16-Mar, 10:26
Krasnohorivka (government- controlled, 24km N of Donetsk)	5-7km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 10:42
SMM camera in Zolote (government- controlled, 60km					N to S (assessed as inside the disengagement		
W of Luhansk)	2-3km SE	Recorded	10	Projectile	area)	N/K	15-Mar, 19:15
E edge of Stanytsia Luhanska (government- controlled, 16km					Assessed as outside the disengagement	Small	
NE of Luhansk)	3-4km SW	Heard	1	Shot	area	arms	15-Mar, 20:38
N edge of Popasna (government- controlled, 69km							15-Mar,
W of Luhansk)	4-6km SE	Heard	8	Shot		AGL	20:41-20:45
	1-2km WNW	Heard	25	Shot	Assessed as inside the disengagement area	Small arms	16-Mar, 09:40-09:50
Zolote- 5/Mykhailivka (non-government- controlled, 58km	2-3km WNW	Heard	5	Burst	Assessed as inside the disengagement area	HMG	16-Mar, 09:40-09:50
NW of Luhansk)	2-3km ENE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Mar, 09:50
					Undetermined (assessed as inside the disengagement		16-Mar,
	3-5km SSE	Heard	14	Explosion	area)	N/K	10:07-10:17
	2-5km SSE	Heard	7	Shot	Assessed as inside the disengagement area	Small arms	16-Mar, 10:07-10:17
N edge of Zolote (government- controlled, 60km W of Luhansk)	1km S	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	16-Mar, 10:18-10:24
	0.8-1km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	16-Mar, 10:18-10:24
	3-4km S	Heard	9	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	16-Mar, 10:27-10:32

	3-4km S	Heard	3	Burst	Assessed as inside the disengagement area	HMG	16-Mar, 10:27-10:32
					Assessed as inside the disengagement	Small	16-Mar,
GL 1 ··	3-4km S	Heard	8	Shot	area	arms	10:27-10:32
Shchastia (government- controlled, 20km							
N of Luhansk)	1-1.5km S	Heard	1	Explosion	Undetermined	N/K	16-Mar, 10:32
Trokhizbenka (government- controlled, 32km	2-3km SW	Heard	15	Burst		Small arms	16-Mar, 11:58-12:08 16-Mar,
NW of Luhansk)	2-3km SW	Heard	1	Burst		HMG	12:07-12:08
W edge of Berezivske (non-	2-3km WSW	Heard	16	Explosion	Undetermined	N/K	16-Mar, 12:25-12:45 16-Mar,
government- controlled, 53km	2-3km WSW	Heard	125	Burst		HMG	12:25-12:45
NW of Luhansk)	2-3km WSW	Heard	80	Shot		Small arms	16-Mar, 12:25-12:51
3km W of Kriakivka (government-	2-3kiii W3 W	ricaid	80	Shot			
controlled, 38km NW of Luhansk)	2-3km SSW	Heard	5	Shot		Small arms	16-Mar, 13:08-13:10
Zhovte (non-							
government- controlled, 17km						Small	16-Mar,
NW of Luhansk)	7km NW	Heard	29	Shot		arms	13:40-13:55
SMM camera in Avdiivka	3-5km ESE	Recorded	1	Illumination flare		N/K	16-Mar, 22:06
(government- controlled, 17km	2.51 FGF	D 1.1	-1	Illumination			
N of Donetsk)	3-5km ESE 2-4km SSE	Recorded Recorded	1	flare Explosion	In vertical flight Undetermined	N/K N/K	16-Mar, 22:58 16-Mar, 23:38
	2-4km SE	Recorded	9	Projectile	ENE to WSW	N/K	17-Mar, 00:37
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Mar, 00:39
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	17-Mar, 02:09
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Mar, 02:18
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Mar, 02:29
	2-4km SE	Recorded	13	Projectile	ENE to WSW	N/K	17-Mar, 02:44
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	17-Mar, 02:48
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Mar, 02:59
	2-4km SE	Recorded	5 7	Projectile	ENE to WSW	N/K N/K	17-Mar, 03:00
SMM camera in	2-4km SE 2-4km SE	Recorded Recorded	2	Projectile Projectile	ENE to WSW ENE to WSW	N/K N/K	17-Mar, 03:01
Chermalyk (government-	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Mar, 03:06 17-Mar, 03:19
controlled, 31km	2-4km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Mar, 03:19
NE of Mariupol)	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	17-Mar, 03:20
	2-4km SE	Recorded	11	Projectile	ENE to WSW	N/K	17-Mar, 03:23
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Mar, 03:54
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Mar, 03:56
	2-4km SE	Recorded	8	Projectile	ENE to WSW	N/K	17-Mar, 03:58
	2-4km SE	Recorded	13	Projectile	ENE to WSW	N/K	17-Mar, 03:59
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Mar, 04:00
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	17-Mar, 04:20
	2-4km SE	Recorded	1	Explosion	Impact	N/K	17-Mar, 04:37
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Mar, 04:43
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Mar, 18:26
SMM camera at Donetsk Filtration	1-2km SSW	Recorded	2	Explosion	ESE to WNW (undetermined)	N/K	16-Mar, 19:14
Station (15km N	2-4km SSW	Recorded	1	Explosion	Airburst	N/K	16-Mar, 22:11
of Donetsk)	1-2km SSW	Recorded	1	Projectile	NE to SW	N/K	16-Mar, 22:13
or Donothy	1 2KIII 00 W	Recorded	1	1 Tojecine	112 10 0 11	1 1/ 1%	10 1/101, 22.13

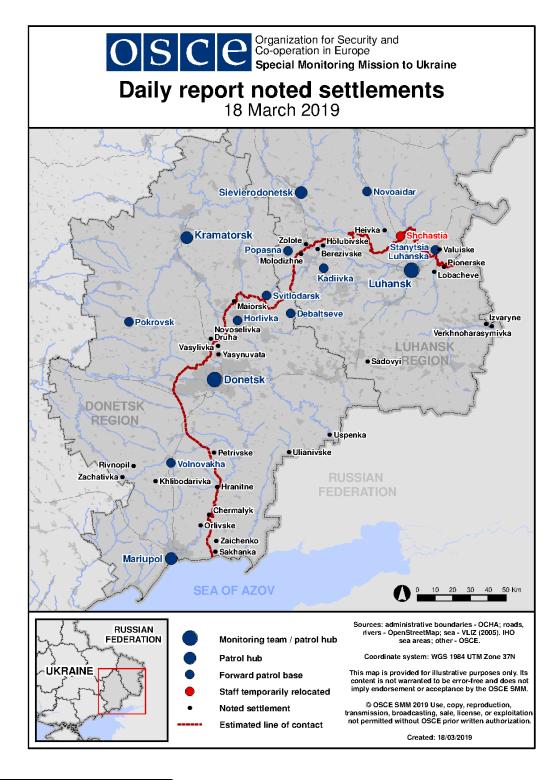
l	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	16-Mar, 22:41
	1-2km S	Recorded	2	Explosion	Undetermined	N/K	16-Mar, 22:42
	1-2km SSW	Recorded	1	Projectile	NNW to SSE	N/K	16-Mar, 22:42
	1-2km SSW	Recorded	2	Muzzle flash	ININW 10 SSE	N/K N/K	
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	16-Mar, 22:45 16-Mar, 22:45
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K N/K	16-Mar, 22:45
	2-4km SSW	Recorded	1	•	Airburst	N/K N/K	
				Explosion			16-Mar, 22:55
	1-2km SSW	Recorded	2	Projectile	SE to NW	N/K	16-Mar, 23:56
CMM :	1-2km SSW	Recorded	2	Projectile	W to E	N/K	17-Mar, 18:24
SMM camera in Hranitne (government- controlled, 60km S of Donetsk)	2-4km E	Recorded	5	Projectile	SW to NE	N/K	17-Mar, 00:07
SMM camera E of	Z-4KIII L	Recorded	3	Trojectiic	SW to NE	11/11	17-14141, 00.07
Lomakyne (government- controlled, 15km NE of Mariupol)	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	17-Mar, 02:25
TiE of Mariapor)	1-3km ENE	Recorded	10	Projectile	NW to SE	N/K	16-Mar, 18:40
	1-3km ENE	Recorded	1	Explosion	Undetermined	N/K	16-Mar, 18:41
	1-3km ENE	Recorded	10	Projectile	NW to SE	N/K	16-Mar, 18:41
	2-3km ENE	Recorded	9	Projectile	NW to SE	N/K	16-Mar, 20:29
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	16-Mar, 20:29
	1-3km ENE	Recorded	8	Projectile	N to S	N/K	16-Mar, 22:17
co o c	2-4km ESE	Recorded	1	, ,	Undetermined	N/K	16-Mar, 22:58
SMM camera at				Explosion	Undetermined		·
entry-exit	1-2km ENE	Recorded	1	Muzzle flash	NI . C	N/K	16-Mar, 23:06
checkpoint in	1-2km ENE	Recorded	1	Projectile	N to S	N/K	16-Mar, 23:06
Maiorsk	1-2km ENE	Recorded	1	Muzzle flash	27 6	N/K	16-Mar, 23:08
(government-	1-2km ENE	Recorded	1	Projectile	N to S	N/K	16-Mar, 23:08
controlled, 45km	2-4km ENE	Recorded	3	Projectile	In vertical flight	N/K	16-Mar, 23:20
NE of Donetsk)	2-4km ENE	Recorded	2	Projectile	SSW to NNE	N/K	16-Mar, 23:20
	2-4km ENE	Recorded	1	Muzzle flash		N/K	16-Mar, 23:21
	2-4km ENE	Recorded	14	Projectile	S to N	N/K	16-Mar, 23:21
	2-4km ENE	Recorded	12	Projectile	S to N	N/K	16-Mar, 23:22
	1-3km ENE	Recorded	2	Projectile	NNW to SSE	N/K	17-Mar, 00:59
	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	17-Mar, 02:08
	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	17-Mar, 02:09
	2-4km NNE	Recorded	2	Illumination flare Illumination	In vertical flight	N/K	16-Mar, 21:19
	2-4km NNE	Recorded	1	flare	In vertical flight	N/K	16-Mar, 22:12
	2-4km NNE	Recorded	1	Illumination flare	NNW to SSE	N/K	16-Mar, 22:22
SMM camera at entry-exit	2-4km NNE	Recorded	2	Illumination flare	In vertical flight	N/K	16-Mar, 23:09
checkpoint in Marinka	1-3km NNE	Recorded	1	Illumination flare Illumination	In vertical flight	N/K	17-Mar, 00:17
(government- controlled, 23km	2-4km NNE	Recorded	2	flare Illumination	In vertical flight	N/K	17-Mar, 00:54
SW of Donetsk)	2-4km NNE	Recorded	1	flare Illumination	In vertical flight	N/K	17-Mar, 00:57
	2-4km NNE	Recorded	1	flare Illumination	In vertical flight	N/K	17-Mar, 01:22
	2-4km NNE	Recorded	1	flare	In vertical flight	N/K	17-Mar, 01:30
		Recorded	3	Illumination flare	In vertical flight	N/K	17-Mar, 02:16
	2-4km NNE				1 / 4 - 11/		1 1 1 N/Ion ()(),/22
SMM camera at	3-4km SSE	Recorded	3	Projectile	E to W	N/K	17-Mar, 00:23
entry-exit	3-4km SSE 3-4km SSE	Recorded Recorded	3	Projectile	E to W	N/K	17-Mar, 00:24
entry-exit checkpoint in	3-4km SSE 3-4km SSE 3-4km SSE	Recorded Recorded Recorded	3 3 1	Projectile Projectile	E to W E to W	N/K N/K	17-Mar, 00:24 17-Mar, 01:30
entry-exit checkpoint in Pyshchevyk	3-4km SSE 3-4km SSE 3-4km SSE 3-4km S	Recorded Recorded Recorded Recorded	3 3 1 1	Projectile Projectile Projectile	E to W E to W In vertical flight	N/K N/K N/K	17-Mar, 00:24 17-Mar, 01:30 17-Mar, 01:51
entry-exit checkpoint in Pyshchevyk (government-	3-4km SSE 3-4km SSE 3-4km SSE 3-4km S 3-4km S	Recorded Recorded Recorded Recorded Recorded	3 3 1 1 1	Projectile Projectile Projectile Projectile	E to W E to W In vertical flight E to W	N/K N/K N/K N/K	17-Mar, 00:24 17-Mar, 01:30 17-Mar, 01:51 17-Mar, 02:08
entry-exit checkpoint in Pyshchevyk	3-4km SSE 3-4km SSE 3-4km SSE 3-4km S	Recorded Recorded Recorded Recorded	3 3 1 1	Projectile Projectile Projectile	E to W E to W In vertical flight	N/K N/K N/K	17-Mar, 00:24 17-Mar, 01:30 17-Mar, 01:51

1	1	I	1	flare	I	I	1
About 1.5km NW				Huic			17-Mar,
of Yasynuvata	3-4km NW	Heard	2	Explosion	Undetermined	N/K	08:50-08:55
(non-government-	3-4km SW	Heard	1	Explosion	Undetermined	N/K	17-Mar, 08:50-08:55
controlled, 16km	3-4KIII 3 W	пеага	1	Explosion	Undetermined	IN/IX	17-Mar,
NE of Donetsk)	2-4km SW	Heard	44	Shot		HMG	08:50-08:55
About 1km NW of	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	17-Mar, 09:27
the railway station							17-Mar,
in Yasynuvata	2-3km SW	Heard	2	Shot		HMG	09:45-10:15
(non-government- controlled, 16km						Small	17-Mar,
NE of Donetsk)	2-3km SW	Heard	41	Shot		arms	09:45-10:15
Donetsk central	2-3km NW	Heard	2	Burst		HMG	17-Mar, 10:04
railway station							,
(non-government-							
controlled, 6km							
NW of Donetsk	2 41 337	TT1	1.5	D		IIMC	17 Mar. 10.16
city centre) About 6.5km NW	3-4km W	Heard	15	Burst		HMG	17-Mar, 10:16
of Donetsk city							
centre (non-							
government-						Small	
controlled)	3-4km W	Heard	4	Burst		arms	17-Mar, 10:06
1km NW of							
Zaichenko (non- government-							
controlled, 26km						Small	
NE of Mariupol)	2-3km NNW	Heard	4	Burst		arms	17-Mar, 12:07
Chermalyk							
(government-							
controlled, 31km							17-Mar,
NE of Mariupol)	1-3km SE	Heard	4	Explosion	Undetermined	N/K	13:00-13:03
	2-4km SE	Heard	7	Burst		HMG Small	16-Mar, 18:51
	2-4km SE	Heard	3	Shot		arms	16-Mar, 18:52
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:07
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:16
	2-4km SE	Heard	8	Burst		HMG	16-Mar, 19:17
						Small	
	2-4km SE	Heard	4	Burst		arms	16-Mar, 19:18
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:30
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:30
	4-6km SE	Heard	1	Explosion	Undetermined	N/K N/K	16-Mar, 19:33
	4-6km SE	Heard	1	Explosion	Undetermined	IN/IX	16-Mar, 19:33 16-Mar,
	4-6km SE	Heard	5	Burst		HMG	19:33-19:34
Svitlodarsk	4-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:47
(government-	4-6km SE	Heard	3	Burst		HMG	16-Mar, 19:49
controlled, 57km	4-6km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:50
NE of Donetsk)						Small	
	2-4km SE	Heard	7	Shot		arms	16-Mar, 19:50
	4-6km SE	Heard	5	Burst		HMG	16-Mar, 19:51
	4-6km SE 4-6km SW	Heard Heard	3	Burst Explosion	Undetermined	HMG N/K	16-Mar, 19:52 16-Mar, 19:57
	5-7km SW	Heard	1	Explosion	Undetermined	N/K N/K	16-Mar, 19:57
	4-6km SE	Heard	3	Burst	Ondetermined	HMG	16-Mar, 19:59
	5-8km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 19:59
			Unc	1		, , ==	
			ount			Small	
	2-4km SE	Heard	able	Shot		arms	16-Mar, 20:03
	5-7km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 20:10
	2.41 65	, ,	_	GI :		Small	16.34 20.10
	2-4km SE	Heard	3	Shot		arms	16-Mar, 20:19
	2-4km SE	Heard	7	Shot		Small	16-Mar, 20:45

	7	ĺ				arms	
		1				Small	+
	2-4km SE	Heard	3	Shot		arms	16-Mar, 20:46
			1	*		Small	20.10
	2-4km SE	Heard	3	Shot		arms	16-Mar, 20:46
	3-5km SE	Heard	9	Burst		HMG	16-Mar, 20:47
						Small	
	2-4km SE	Heard	4	Shot		arms	16-Mar, 20:54
						Small	
	2-4km SE	Heard	7	Shot		arms	16-Mar, 20:56
	3-5km SE	Heard	7	Burst		HMG	16-Mar, 20:57
						Small	
	2-4km SE	Heard	5	Shot		arms	16-Mar, 20:59
	3-5km SE	Heard	7	Burst		HMG	16-Mar, 21:00
	3-5km SE	Heard	13	Burst		HMG	16-Mar, 21:11
	0 41 GE	TT 1		GI .		Small	16 16 21 27
	2-4km SE	Heard	3	Shot		arms	16-Mar, 21:27
	3-5km SE	Heard	7	Burst		HMG	16-Mar, 21:28
	2 41 CE	Heand	_	Shot		Small	16 Mar. 21:20
	2-4km SE	Heard	5	Shot		Small	16-Mar, 21:29
	2-4km SE	Heard	11	Burst		Small arms	16-Mar, 21:43-21:45
	2-TAIII DE	ricaru	11	Durst		Small	16-Mar,
	2-4km SE	Heard	5	Burst		arms	21:57-21:58
	3-4km SE	Heard	7	Burst		HMG	16-Mar, 22:02
	S .Mil SE	110414	'	20150		Small	10 1/101, 22.02
	2-4km SE	Heard	3	Shot		arms	16-Mar, 22:02
						Small	,
	2-4km SE	Heard	2	Burst		arms	16-Mar, 22:04
						Small	ĺ
	2-4km SE	Heard	2	Shot		arms	16-Mar, 22:17
	3-5km S	Heard	1	Explosion	Undetermined	N/K	16-Mar, 22:32
						Small	
	2-4km SE	Heard	2	Burst		arms	16-Mar, 22:33
							16-Mar,
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	22:35-22:37
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	16-Mar, 22:40
	2.41 6	TT 1		D.		Small	16.34 22.42
	2-4km S	Heard	2	Burst		arms	16-Mar, 22:43
	3-5km SE	Heard	4	Burst		HMG	16-Mar, 22:44
	2 Alem CE	Hoond	7	Dynast		Small	16-Mar,
	2-4km SE	Heard	7	Burst		arms	22:46-22:48
	3-5km SE	Heard	11	Burst		HMG Small	16-Mar, 23:04
	2-4km S	Heard	3	Burst		arms	16-Mar, 23:11
	6-8km SW	Heard	1	Explosion	Undetermined	N/K	16-Mar, 23:14
	O OKIII D VV	11card	1	LAPIOSIOII	Chacterninea	Small	16-Mar,
	2-4km SE	Heard	12	Burst		arms	23:39-23:42
	3-5km SE	Heard	4	Burst		HMG	16-Mar, 23:43
			† ·			Small	16-Mar,
	2-4km SE	Heard	17	Burst		arms	23:44-23:45
							16-Mar,
	3-5km SE	Heard	9	Burst		HMG	23:45-23:46
	2-4km SE	Heard	7	Burst		HMG	17-Mar, 16:30
	2-4km SE	Heard	5	Explosion	Undetermined	N/K	17-Mar, 16:32
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	17-Mar, 16:50
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	17-Mar, 17:00
About 2km SSE							
of Kamianka							
(government-							
controlled, 23km	2 21 2===				, ,		1015
N of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	17-Mar, 09:26
Holubivske (non-	2.41. 3777	,	22	Б 1 .	11.1.	NT /TT	17-Mar,
government- controlled, 51km	2-4km NW 2-4km NW	Heard Heard	22 24	Explosion Shot	Undetermined	N/K Small	09:52-10:02 17-Mar,
controlled 51km	1 Z-4KM NW	i Heard	1 //	NDOT		ı small	I /-IVIAT

W of Luhansk)	1		1			arms	09:52-10:02
							17-Mar,
	2-4km NW	Heard	6	Explosion	Undetermined	N/K	10:08-10:27
N edge of Zolote					Assessed as		
(government-					outside the		15.16
controlled, 60km	2.51 05		1.0	.	disengagement	TD 46	17-Mar,
W of Luhansk)	3-5km SE	Heard	12	Burst	area	HMG	09:58-10:01
4km WSW of Almazna (non-							
government-							
controlled, 55km						Small	17-Mar,
W of Luhansk)	2-3km SW	Heard	3	Shot		arms	10:32-10:33
Zolote-	2 Skii S V	Ticura		Bilot	Undetermined	ums	10.32 10.33
3/Stakhanovets					(assessed as		
(government-					outside the		
controlled, 61km					disengagement		
W of Luhansk)	5-7km E	Heard	1	Explosion	area)	N/K	17-Mar, 10:53
					Undetermined		
					(unable to		
					assess whether		
					inside or outside		
E edge of Zolote-					the		17.14
5/ Mykhailivka	2 21 11/1111/	IId		E1:	disengagement	NI/IZ	17-Mar,
(non-government-	2-3km WNW	Heard	6	Explosion	area) Undetermined	N/K	10:55-11:10
controlled, 58km					(assessed as		
W of Luhansk)					outside the		
					disengagement		17-Mar,
	1-2km WNW	Heard	1	Explosion	area)	N/K	10:55-11:10
				•	,		17-Mar,
	1-2km NNE	Heard	16	Burst		HMG	10:55-11:10
					Unable to assess		
					whether inside		
					or outside the		
	2 21 3777			.	disengagement	TD 46	17-Mar,
0 1 67 1	2-3km NW	Heard	6	Burst	area	HMG	11:15-11:30
S edge of Zolote-					Unable to assess		
5/Mykhailivka					whether inside or outside the		
(non-government-controlled, 58km					disengagement	Small	17-Mar,
W of Luhansk)	2-3km NW	Heard	23	Burst	area	arms	11:15-11:30
W Of Editalists)	2 Skiii I () (Tieura		Buist	Unable to assess	ums	11.13 11.30
					whether inside		
					or outside the		
					disengagement	Small	17-Mar,
	1-2km NW	Heard	9	Shot	area	arms	11:15-11:30
3km S of							
Vilkhove					Assessed as		
(government-					outside the	g "	
controlled, 22km	2 51cm CCW/	Hoond	1	Chat	disengagement	Small	17 Man 14:06
NE of Luhansk)	3-5km SSW	Heard	1	Shot	area	arms	17-Mar, 14:06

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).