

Table of ceasefire violations as of 17 February 2019¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-5km ESE	Recorded	1	Projectile	ESE to WNW	N/K	16-Feb, 17:52
	2-4km ESE	Recorded	1	Projectile	W to E	N/K	16-Feb, 18:18
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:08
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:13
	3-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	15-Feb, 19:14
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:16
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 19:16
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:29
	2-4km SSE	Recorded	76	Projectile	ENE to WSW	N/K	15-Feb, 19:30
	2-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	15-Feb, 19:31
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 19:31
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 19:31
	2-4km SSE	Recorded	24	Projectile	ENE to WSW	N/K	15-Feb, 19:33
	2-4km SSE	Recorded	29	Projectile	ENE to WSW	N/K	15-Feb, 19:33
	2-4km SSE	Recorded	31	Projectile	ENE to WSW	N/K	15-Feb, 19:34
	2-4km SSE	Recorded	37	Projectile	N to S	N/K	15-Feb, 19:35
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	15-Feb, 19:36
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	15-Feb, 19:36
	2-4km SSE	Recorded	16	Projectile	ENE to WSW	N/K	15-Feb, 19:37
	2-4km SSE	Recorded	16	Projectile	ENE to WSW	N/K	15-Feb, 19:40
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 19:42
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	15-Feb, 19:43
	2-4km SSE	Recorded	6	Projectile	ENE to WSW	N/K	15-Feb, 19:44
	2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	15-Feb, 19:45
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:46
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 19:46
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 19:47
	2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	15-Feb, 19:49
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	15-Feb, 19:53
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	15-Feb, 19:59
	1-2km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 19:59
	1-2km SE	Recorded	3	Projectile	ENE to WSW	N/K	15-Feb, 20:00
	1-2km SE	Recorded	3	Projectile	ENE to WSW	N/K	15-Feb, 20:01
	1-2km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 20:02
	1-2km SE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 20:03
1-2km SE	Recorded	3	Projectile	ENE to WSW	N/K	15-Feb, 20:04	
1-2km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 20:05	
2-4km SSE	Recorded	11	Projectile	ENE to WSW	N/K	15-Feb, 20:06	
1-2km SE	Recorded	1	Projectile	ESE to WNW	N/K	15-Feb, 20:06	
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 20:08	
2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Feb, 20:09	
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 20:15	
2-4km SSE	Recorded	1	Explosion	Airburst	N/K	15-Feb, 20:15	

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.

2-4km SE	Recorded	1	Explosion	Outgoing	N/K	15-Feb, 20:15
1-2km SE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 20:26
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 20:48
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 20:49
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Feb, 20:51
0.8-2km SSE	Recorded	1	Projectile	W to E	N/K	15-Feb, 21:01
2-3km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Feb, 21:04
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 21:04
2-3km SSE	Recorded	3	Projectile	WSW to ENE	N/K	15-Feb, 21:07
2-4km SSE	Recorded	6	Projectile	W to E	N/K	15-Feb, 21:11
3-4km SSE	Recorded	3	Projectile	ESE to WNW	N/K	15-Feb, 21:32
2-3km SSE	Recorded	9	Projectile	WSW to ENE	N/K	15-Feb, 22:00
2-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 22:14
2-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 22:15
2-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 22:16
2km SSE	Recorded	17	Projectile	WSW to ENE	N/K	15-Feb, 22:18
2-4km SSE	Recorded	1	Projectile	ESE to WNW	N/K	15-Feb, 22:28
2-4km SSE	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 22:35
3-4km SSE	Recorded	3	Projectile	ESE to WNW	N/K	15-Feb, 22:36
3-4km SSE	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 22:37
3-4km SSE	Recorded	1	Projectile	ESE to WNW	N/K	15-Feb, 22:38
3-4km SSE	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 22:40
3-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 22:41
3-4km SSE	Recorded	1	Projectile	ESE to WNW	N/K	15-Feb, 22:57
2-4km SSE	Recorded	9	Projectile	ENE to WSW	N/K	15-Feb, 22:58
2-3km SSE	Recorded	5	Projectile	WSW to ENE	N/K	15-Feb, 22:59
2-4km SSE	Recorded	9	Projectile	ENE to WSW	N/K	15-Feb, 22:59
3-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 23:00
2-3km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Feb, 23:00
3-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 23:01
3-4km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 23:02
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 23:02
3-4km SSE	Recorded	6	Projectile	ESE to WNW	N/K	15-Feb, 23:03
3-4km SSE	Recorded	1	Projectile	ESE to WNW	N/K	15-Feb, 23:11
3-4km SSE	Recorded	5	Projectile	ESE to WNW	N/K	15-Feb, 23:12
1-2km SE	Recorded	5	Projectile	ENE to WSW	N/K	15-Feb, 23:22
1-2km SE	Recorded	2	Projectile	ENE to WSW	N/K	15-Feb, 23:23
1-2km SSE	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 23:25
0.8-2km SSE	Recorded	18	Projectile	WSW to ENE	N/K	15-Feb, 23:25
2-4km SSE	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 23:27
2-4km SSE	Recorded	2	Projectile	E to W	N/K	15-Feb, 23:37
2-4km SSE	Recorded	2	Projectile	E to W	N/K	15-Feb, 23:44
2-4km SE	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 23:45
2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	15-Feb, 23:45
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Feb, 01:36
1-2km SE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 03:11
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 03:14
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 03:16
2-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 04:53
2-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 05:39
3-4km SSE	Recorded	1	Projectile	W to E	N/K	16-Feb, 16:53
3-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 17:00
3-4km SE	Recorded	1	Projectile	E to W	N/K	16-Feb, 17:21
3-4km SSE	Recorded	3	Projectile	NE to SW	N/K	16-Feb, 18:05
3-4km SSE	Recorded	1	Projectile	NE to SW	N/K	16-Feb, 18:07

	3-4km SSE	Recorded	2	Projectile	NE to SW	N/K	16-Feb, 18:08
	3-4km SSE	Recorded	4	Projectile	NE to SW	N/K	16-Feb, 18:09
	3-4km SSE	Recorded	12	Projectile	NE to SW	N/K	16-Feb, 18:10
	3-4km SSE	Recorded	4	Projectile	NE to SW	N/K	16-Feb, 18:11
	3-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Feb, 18:19
	3-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 18:20
	3-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 18:20
	3-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-Feb, 18:21
	3-4km SSE	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 18:22
	3-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	16-Feb, 18:22
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	400-800m S	Recorded	3	Projectile	ESE to WNW	N/K	15-Feb, 18:52
	400-800m S	Recorded	19	Projectile	ESE to WNW	N/K	15-Feb, 18:53
	400-800m S	Recorded	4	Projectile	ESE to WNW	N/K	15-Feb, 18:55
	400-800m S	Recorded	2	Projectile	ESE to WNW	N/K	15-Feb, 18:59
	400-800m S	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 19:05
	400-800m S	Recorded	9	Projectile	ESE to WNW	N/K	15-Feb, 19:06
	400-800m S	Recorded	3	Projectile	ESE to WNW	N/K	15-Feb, 19:07
	400-800m S	Recorded	4	Projectile	WNW to ESE	N/K	15-Feb, 19:09
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 23:36
	1-2km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 00:46
	1-2km S	Recorded	4	Projectile	E to W	N/K	16-Feb, 00:48
	1-2km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 00:49
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 03:50
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 04:02
	20-50m S	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 04:11
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 04:16
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 04:52
	2-4km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 05:03
	1-2km SSE	Recorded	1	Projectile	E to W	N/K	16-Feb, 17:10
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 17:10
	0.5-1km S	Recorded	3	Projectile	SE to NW	N/K	16-Feb, 17:15
	1-2km SW	Recorded	1	Projectile	NW to SE	N/K	16-Feb, 17:55
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 17:56
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	16-Feb, 18:05
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 18:06
	0.5-1km S	Recorded	1	Muzzle flash		N/K	16-Feb, 18:27
	0.5-1km S	Recorded	1	Projectile	E to W	N/K	16-Feb, 18:27
	0.5-1km S	Recorded	1	Projectile	E to W	N/K	16-Feb, 18:30
	0.5-1km SSW	Recorded	3	Projectile	W to E	N/K	16-Feb, 18:30
	SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-4km ESE	Recorded	1	Projectile	S to N	N/K
3-4km ESE		Recorded	1	Projectile	S to N	N/K	15-Feb, 19:17
2-4km E		Recorded	12	Projectile	S to N	N/K	15-Feb, 21:31
2-4km E		Recorded	8	Projectile	S to N	N/K	15-Feb, 22:32
2-4km E		Recorded	2	Projectile	S to N	N/K	15-Feb, 22:34
2-4km E		Recorded	2	Projectile	N to S	N/K	15-Feb, 22:37
2-4km E		Recorded	4	Projectile	S to N	N/K	15-Feb, 22:38
2-4km E		Recorded	1	Projectile	S to N	N/K	15-Feb, 22:42
2-4km E		Recorded	2	Projectile	S to N	N/K	16-Feb, 05:28
2-4km E		Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 05:34
2-4km E		Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 05:39
SMM camera at entry-exit checkpoint in	3-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 18:43
	0.5-1km E	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 18:44
	1-1.5km E	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 18:44

Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km E	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 18:45
	1-2km E	Recorded	2	Explosion	Undetermined	N/K	15-Feb, 18:51
	0.6-1km E	Recorded	1	Explosion	Impact	N/K	15-Feb, 20:13
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	15-Feb, 21:04
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Projectile	E to W	N/K	15-Feb, 20:28
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	15-Feb, 21:49
	2-4km S	Recorded	7	Projectile	W to E	N/K	15-Feb, 21:50
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	15-Feb, 22:31
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	15-Feb, 22:32
	2-4km SSE	Recorded	4	Projectile	E to W	N/K	15-Feb, 22:33
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	15-Feb, 22:33
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	15-Feb, 22:34
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	15-Feb, 22:35
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	15-Feb, 22:36
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	15-Feb, 22:37
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	15-Feb, 22:38
	2-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 05:39
	1-2km S	Recorded	10	Projectile	E to W	N/K	16-Feb, 18:00
	1-2km S	Recorded	5	Projectile	E to W	N/K	16-Feb, 18:01
2-3km S	Recorded	2	Explosion	Impact	N/K	16-Feb, 18:22	
SMM camera 1km SW of Shyrokyne (government-controlled, 20km E of Mariupol)	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 17:54
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 17:59
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	16-Feb, 18:06
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	16-Feb, 18:11
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:12
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:13
	2-4km NNE	Recorded	4	Projectile	WNW to ESE	N/K	16-Feb, 18:19
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:20
2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:25	
Donetsk central railway station (non- government-controlled, 6km NW of Donetsk)							
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	16-Feb, 08:56
About 1.5km NW of Yasynuvata (non- government-controlled, 16km NE of Donetsk)						Small arms	
	2-3km NW	Heard	1	Burst			16-Feb, 08:57
About 2km W of Yasynuvata (non- government-controlled, 16km NE of Donetsk)						Small arms	
	2-3km SW	Heard	2	Burst			16-Feb, 10:57
The railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)							
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	16-Feb, 10:57
	3-4km SW	Heard	20	Shot	Undetermined	N/K	16-Feb, 11:25- 11:30
	3-4km SW	Heard	2	Burst		Small arms	16-Feb, 11:25- 11:30
	2-3km W	Heard	1	Burst		HMG	16-Feb, 11:35
	2-3km SW	Heard	35	Shot		Small arms	16-Feb, 11:35
2-3km SSW	Heard	1	Explosion	Undetermined	N/K	16-Feb, 13:15	
2-3km SSW	Heard	1	Explosion	Undetermined	N/K	16-Feb, 13:22	

	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	16-Feb, 13:27
	2-3km SSW	Heard	4	Explosion	Undetermined	N/K	16-Feb, 13:31-13:41
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	16-Feb, 13:45
About 1km NNW of Pyshevyk (government-controlled, 25 km NE of Mariupol)	N/K NE	Heard	1	Explosion	Undetermined	N/K	16-Feb, 10:05
	3-5km N	Heard	20	Explosion	Undetermined	N/K	16-Feb, 10:42-10:46
	3-5km N	Heard	4	Shot		Small arms	16-Feb, 10:42-10:46
Horlivka (non-government-controlled, 39km NE of Donetsk)	6-8km NNW	Heard	5	Explosion	Undetermined	Artillery (type N/K)	15-Feb, 19:10-19:20
	5-7km NNW	Heard	3	Burst	Undetermined	HMG	15-Feb, 19:40
	6-8km NNW	Heard	10	Explosion	Undetermined	Artillery (type N/K)	15-Feb, 19:41-19:56
	6-8km NNW	Heard	5	Explosion	Undetermined	Artillery (type N/K)	15-Feb, 20:00-20:15
	5-7km NW	Heard	8	Explosion	Undetermined	N/K	15-Feb, 21:00-21:05
	5-6km NW	Heard	3	Burst		HMG	15-Feb, 21:01-21:03
	5-7km W	Heard	8	Explosion	Undetermined	Artillery (type N/K)	15-Feb, 21:11-21:16
	7-8km NNW	Heard	2	Explosion	Undetermined	Artillery (type N/K)	15-Feb, 21:17-21:20
Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km SW	Heard	3	Explosion	Undetermined	N/K	15-Feb, 19:21
	4-6km WSW	Heard	4	Explosion	Undetermined	N/K	15-Feb, 19:44
	4-6km WSW	Heard	1	Explosion	Undetermined	N/K	15-Feb, 19:45
	6-8km SW	Heard	5	Explosion	Undetermined	N/K	15-Feb, 19:48
	4-6km WSW	Heard	4	Explosion	Undetermined	N/K	15-Feb, 19:50
	4-6km SW	Heard	4	Explosion	Undetermined	N/K	15-Feb, 19:54
	4-6km SW	Heard	6	Explosion	Undetermined	N/K	15-Feb, 20:00
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	15-Feb, 20:02
	4-6km SW	Heard	6	Explosion	Undetermined	N/K	15-Feb, 20:07-20:09
	4-6km SW	Heard	3	Explosion	Undetermined	N/K	15-Feb, 20:17
	4-6km SE	Heard	4	Burst		HMG	15-Feb, 21:24-21:25
	4-6km SW	Heard	3	Explosion	Undetermined	N/K	15-Feb, 22:24
	4-6km SE	Heard	3	Burst		HMG	15-Feb, 23:10
	3-5km SE	Heard	4	Burst		HMG	15-Feb, 23:43-23:48
	3-5km SW	Heard	2	Explosion	Undetermined	N/K	15-Feb, 23:51
	6-8km NE	Heard	23	Explosion	Undetermined	N/K	16-Feb, 12:03-12:17
	4-6km SW	Heard	5	Explosion	Undetermined	N/K	16-Feb, 16:30-16:32
	4-6km SW	Heard	12	Explosion	Undetermined	N/K	16-Feb, 17:35-17:40
SMM camera in Zolote (government-controlled, 60km W of	2-4km SE	Recorded	6	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	15-Feb, 21:39
	2-4km SE	Recorded	5	Projectile	NE to SW	N/K	15-Feb, 21:44

Luhansk)					(assessed as inside the disengagement area)		
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-7km SSE	Heard	29	Explosion	Undetermined		16-Feb, 04:49-04:51
	5-7km ESE	Heard	48	Explosion	Undetermined		16-Feb, 04:52-05:11
	5-7km ESE	Heard	35	Explosion	Undetermined		16-Feb, 05:33-05:57
	3km NW	Heard	17	Explosion	Undetermined		16-Feb, 12:10-12:30
	3km NW	Heard	50	Burst		Small arms	16-Feb, 12:10-12:30
N edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3-4km WSW	Heard	10	Shot		Small arms	16-Feb, 08:50-09:00
	3-4km WNW	Heard	25	Shot		Small arms	16-Feb, 08:50-09:00
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)							
	1-2km WNW	Heard	3	Shot		Small arms	16-Feb, 09:05-09:07
Holubivske (non-government-controlled, 51km W of Luhansk)	2-4km NE	Heard	25	Burst		HMG	16-Feb, 09:08-09:10
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	2-3km WNW	Heard	40	Burst	Assessed as inside the disengagement area	Small arms	16-Feb, 10:05-10:30
1.5km NW of Kapitanove (government-controlled, 49km NW of Luhansk)	1-2km SE	Heard	3	Shot		Small arms	16-Feb, 11:34-11:38
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	1	Projectile	W to E	N/K	16-Feb, 18:18
	4-5km ESE	Recorded	1	Projectile	ESE to WNW	N/K	16-Feb, 17:52
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 19:13
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 19:21
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	W to E	N/K	16-Feb, 16:53
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 17:00
	2-4km SE	Recorded	1	Projectile	E to W	N/K	16-Feb, 17:21
	2-4km SSE	Recorded	3	Projectile	NE to SW	N/K	16-Feb, 18:05
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	16-Feb, 18:07
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	16-Feb, 18:08
	2-4km SSE	Recorded	4	Projectile	NE to SW	N/K	16-Feb, 18:09
	2-4km SSE	Recorded	12	Projectile	NE to SW	N/K	16-Feb, 18:10
	2-4km SSE	Recorded	4	Projectile	NE to SW	N/K	16-Feb, 18:11
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Feb, 18:19
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 18:20	

2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 18:20
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-Feb, 18:21
2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 18:22
2-4km SSE	Recorded	9	Projectile	WSW to ENE	N/K	16-Feb, 18:22
2-4km SSE	Recorded	7	Projectile	W to E	N/K	16-Feb, 18:29
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Feb, 18:37
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-Feb, 18:38
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 18:37
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Feb, 18:47
2-4km SSE	Recorded	8	Projectile	ENE to WSW	N/K	16-Feb, 18:48
2-4km SE	Recorded	3	Projectile	Undetermined	N/K	16-Feb, 18:48
2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	16-Feb, 18:50
2-4km SE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 18:49
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 18:51
2-4km SE	Recorded	3	Explosion	Undetermined	N/K	16-Feb, 18:51
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 18:52
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Feb, 18:53
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 18:56
2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	16-Feb, 18:57
2-4km SSE	Recorded	1	Projectile	W to E	N/K	16-Feb, 18:57
2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	16-Feb, 18:58
2-4km SSE	Recorded	16	Projectile	ENE to WSW	N/K	16-Feb, 18:59
2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	16-Feb, 19:00
2-4km SSE	Recorded	6	Projectile	W to E	N/K	16-Feb, 19:12
2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 19:12
2-4km SSE	Recorded	8	Projectile	W to E	N/K	16-Feb, 19:14
2-4km SSE	Recorded	12	Projectile	W to E	N/K	16-Feb, 19:15
2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	16-Feb, 19:17
2-4km SE	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 19:17
2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 19:17
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-Feb, 19:18
2-4km SE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 19:18
2-4km SSE	Recorded	4	Projectile	W to E	N/K	16-Feb, 19:19
2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	16-Feb, 19:19
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 19:20
2-4km SSE	Recorded	4	Explosion	Undetermined	N/K	16-Feb, 18:20
2-4km SSE	Recorded	5	Projectile	W to E	N/K	16-Feb, 19:22
2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	16-Feb, 19:24
2-4km SSE	Recorded	1	Projectile	W to E	N/K	16-Feb, 19:25
2-4km SSE	Recorded	3	Projectile	W to E	N/K	16-Feb, 19:26
2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	16-Feb, 19:36
2-4km SSE	Recorded	12	Projectile	ENE to WSW	N/K	16-Feb, 20:35
2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	16-Feb, 20:36
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 20:37
2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Feb, 20:38
2-4km SSE	Recorded	5	Projectile	WSW to ENE	N/K	16-Feb, 20:49
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 20:49
2-4km SSE	Recorded	8	Projectile	WSW to ENE	N/K	16-Feb, 20:53
2-4km SSE	Recorded	16	Projectile	ENE to WSW	N/K	16-Feb, 21:27
2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	16-Feb, 21:27
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 21:30
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 21:38
2-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 21:44
2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 21:56
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 22:11
2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	16-Feb, 22:12
1-2km SSE	Recorded	2	Projectile	WSW to ENE	N/K	16-Feb, 22:28
1-2km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Feb, 22:51

	1-2km SSE	Recorded	4	Projectile	WSW to ENE	N/K	16-Feb, 22:53
	1-2km SSE	Recorded	1	Projectile	WSW to ENE	N/K	16-Feb, 23:47
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	17-Feb, 00:06
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Feb, 00:53
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Feb, 00:54
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Feb, 00:55
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	17-Feb, 01:36
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	17-Feb, 01:37
	2-4km SE	Recorded	6	Projectile	ENE to WSW	N/K	17-Feb, 02:19
	2-4km SE	Recorded	2	Projectile	WSW to ENE	N/K	17-Feb, 02:25
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	17-Feb, 02:40
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Feb, 03:22
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Feb, 04:26
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Feb, 04:42
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Feb, 04:45
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Feb, 04:47
	2-4km SE	Recorded	3	Projectile	WSW to ENE	N/K	17-Feb, 04:47
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Feb, 04:50
	2-4km SE	Recorded	4	Projectile	ENE to WSW	N/K	17-Feb, 04:52
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSE	Recorded	1	Projectile	E to W	N/K	16-Feb, 17:10
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 17:10
	0.5-1km S	Recorded	3	Projectile	SE to NW	N/K	16-Feb, 17:15
	1-2km SW	Recorded	1	Projectile	NW to SE	N/K	16-Feb, 17:55
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 17:56
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	16-Feb, 18:05
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 18:06
	0.5-1km S	Recorded	1	Muzzle flash		N/K	16-Feb, 18:27
	0.5-1km S	Recorded	1	Projectile	E to W	N/K	16-Feb, 18:27
	0.5-1km S	Recorded	1	Projectile	E to W	N/K	16-Feb, 18:30
	0.5-1km SSW	Recorded	3	Projectile	W to E	N/K	16-Feb, 18:30
	0.5-1km S	Recorded	7	Projectile	E to W	N/K	16-Feb, 18:44
	2-4km SSW	Recorded	2	Projectile	S to N	N/K	16-Feb, 19:28
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 20:34
	1-2km S	Recorded	4	Explosion	Undetermined	N/K	16-Feb, 20:37
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	16-Feb, 20:37
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	16-Feb, 20:38
	1-2km S	Recorded	5	Explosion	Undetermined	N/K	16-Feb, 20:38
	1-2km S	Recorded	8	Explosion	Undetermined	N/K	16-Feb, 20:39
	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 20:48
	1-2km SSE	Recorded	1	Projectile	E to W	N/K	16-Feb, 21:09
	1-2km SSE	Recorded	3	Projectile	E to W	N/K	16-Feb, 21:11
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	16-Feb, 21:12
	1-2km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 23:21
	1-2km S	Recorded	5	Projectile	E to W	N/K	16-Feb, 23:22
	1-2km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 23:24
	1-2km S	Recorded	3	Projectile	E to W	N/K	16-Feb, 23:27
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	16-Feb, 23:28
	1-2km SSE	Recorded	4	Projectile	E to W	N/K	16-Feb, 23:28
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	16-Feb, 23:30
	1-2km SSE	Recorded	4	Projectile	E to W	N/K	16-Feb, 23:30
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 23:31
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 23:32
1-2km SSE	Recorded	1	Projectile	E to W	N/K	16-Feb, 23:33	
1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 23:34	

SMM camera 1.5km NE of Hnutove (government- controlled, 20km NE of Mariupol)	3-4km E	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 19:10
	3-4km E	Recorded	3	Projectile	WNW to ESE	N/K	16-Feb, 19:17
	3-5km E	Recorded	2	Projectile	W to E	N/K	16-Feb, 19:20
	2-4km ESE	Recorded	3	Projectile	S to N	N/K	17-Feb, 01:39
	2-4km E	Recorded	6	Projectile	S to N	N/K	17-Feb, 04:16
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	16-Feb, 20:58
	1-2km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 20:10
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	16-Feb, 22:32
	1-2km S	Recorded	10	Projectile	E to W	N/K	16-Feb, 18:00
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)	1-2km S	Recorded	5	Projectile	E to W	N/K	16-Feb, 18:01
	2-3km S	Recorded	2	Explosion	Impact	N/K	16-Feb, 18:22
	2-3km SSE	Recorded	5	Explosion	Impact	N/K	16-Feb, 19:11
	2-3km S	Recorded	3	Projectile	E to W	N/K	16-Feb, 19:11
	2-3km S	Recorded	5	Projectile	E to W	N/K	16-Feb, 19:11
	2-3km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 20:05
	2-3km SSE	Recorded	10	Projectile	ENE to WSW	N/K	16-Feb, 21:57
	2-3km S	Recorded	2	Projectile	E to W	N/K	16-Feb, 22:05
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 17:54
SMM camera 1km SW of Shyrokyne (government- controlled, 20km E of Mariupol)	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 17:59
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	16-Feb, 18:06
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	16-Feb, 18:11
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:12
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:13
	2-4km NNE	Recorded	4	Projectile	WNW to ESE	N/K	16-Feb, 18:19
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:20
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	16-Feb, 18:25
	2-4km NNE	Recorded	14	Projectile	WNW to ESE	N/K	16-Feb, 18:47
	2-4km NNE	Recorded	3	Projectile	WNW to ESE	N/K	16-Feb, 18:51
	2-4km NNE	Recorded	2	Projectile	WNW to ESE	N/K	16-Feb, 18:52
	2-4km NNE	Recorded	7	Projectile	WNW to ESE	N/K	16-Feb, 20:40
	SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)	2-4km SE	Recorded	5	Projectile	E to W	N/K
2-4km SE		Recorded	5	Projectile	E to W	N/K	18-Feb, 18:11
2-4km SE		Recorded	4	Projectile	E to W	N/K	19-Feb, 18:14
2-4km SE		Recorded	10	Projectile	E to W	N/K	20-Feb, 18:17
2-4km SE		Recorded	1	Explosion	Undetermined	N/K	21-Feb, 18:20
SMM camera 1.5km NE of Hnutove (government- controlled, 20km NE of Mariupol)	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	17-Feb, 18:03
	2-3km NW	Heard	9	Burst		Small arms	17-Feb, 09:49
Oleksandrivka (non- government- controlled, 20km SW of	2-3km NW	Heard	2	Burst		Small arms	17-Feb, 09:50
	3-4km W	Heard	2	Explosion	Undetermined	N/K	17-Feb, 09:51

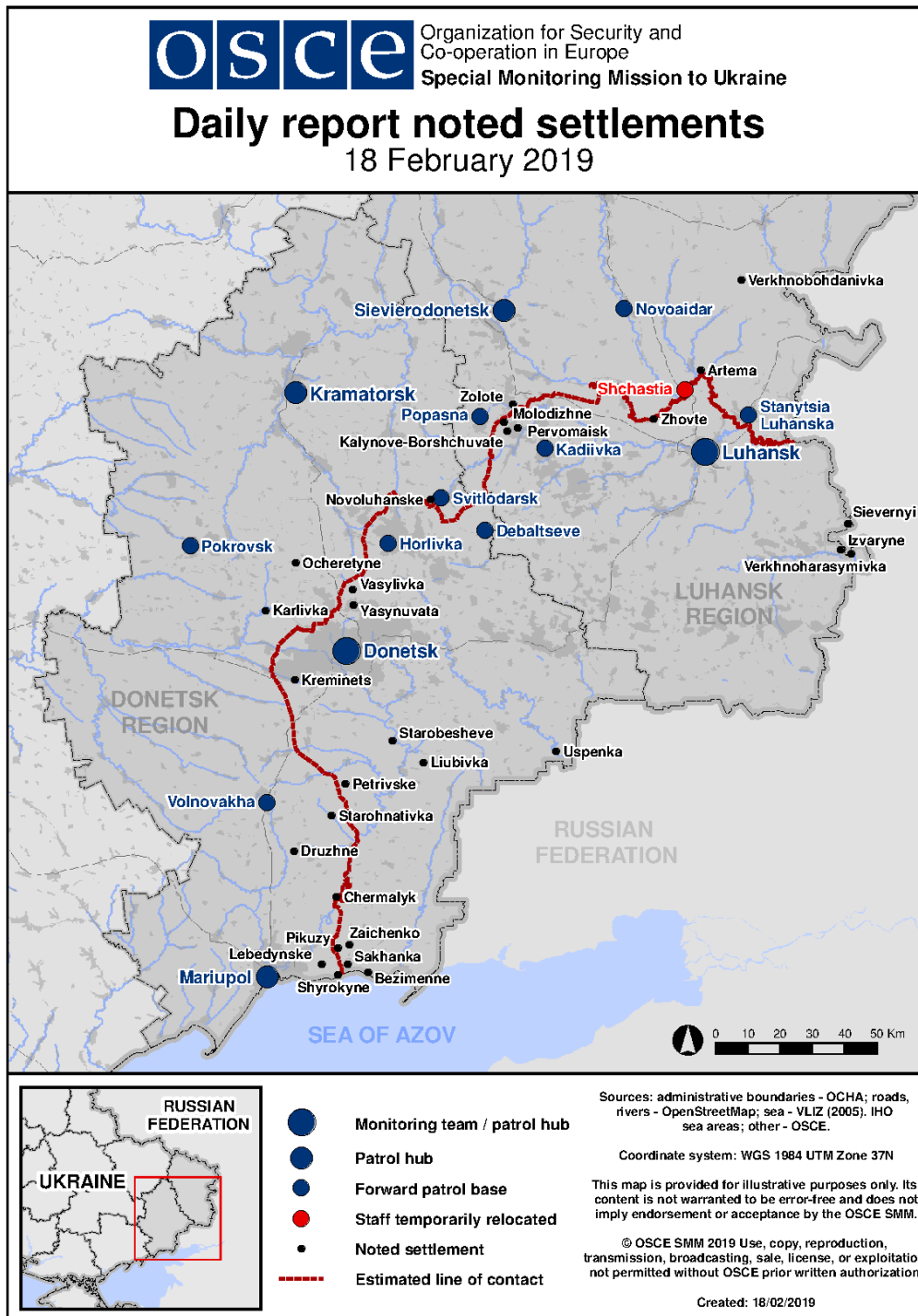
Donetsk)	2-3km NW	Heard	30	Shot		Small arms	17-Feb, 09:54
	2-3km NW	Heard	5	Burst		Small arms	17-Feb, 09:55
	2-3km WNW	Heard	6	Shot		AGL	17-Feb, 09:56
	2-3km NW	Heard	7	Burst		Small arms	17-Feb, 09:57
	3-4km W	Heard	1	Explosion	Undetermined	N/K	17-Feb, 09:57
Central railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	2.5-3.5km NW	Heard	2	Explosion	Undetermined	N/K	17-Feb, 13:28
	2-4km NW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 13:29
	3-4km NW	Heard	13	Shot		Cannon 30mm	17-Feb, 13:52
	4-5km NW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 13:59
	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 14:00
	3-4km NW	Heard	5	Shot		Cannon 30mm	17-Feb, 14:01
	2-4km W	Heard	1	Explosion	Undetermined	N/K	17-Feb, 14:02
	2-4km W	Heard	3	Explosion	Impact	N/K	17-Feb, 14:03
	2-3km W	Heard	3	Burst		Small arms	17-Feb, 14:03
	2-3km W	Heard	4	Burst		Small arms	17-Feb, 14:04
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km NW	Heard	Uncontrollable	Burst		Small arms	17-Feb, 09:40-09:43
	3-4km NW	Heard	Uncontrollable	Burst		HMG	17-Feb, 09:40-09:43
The railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	17-Feb, 10:29-10:40
	2-3km NW	Heard	1	Shot		Small arms	17-Feb, 10:32
	2-3km NNW	Heard	1	Burst		HMG	17-Feb, 10:40
	3-4km W	Heard	2	Explosion	Undetermined	N/K	17-Feb, 12:45
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 12:48
	3-4km NW	Heard	2	Shot		Small arms	17-Feb, 12:48
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 13:03
	3-4km NW	Heard	1	Shot		Small arms	17-Feb, 13:03
3-4km NW	Heard	3	Explosion	Undetermined	N/K	17-Feb, 13:20	
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	3-4km E	Heard	10	Burst		HMG	17-Feb, 10:42
3km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	N/K W	Heard	4	Shot		Small arms	17-Feb, 10:56-10:58
About 2km SE of Lebedynske	N/K NNE	Heard	2	Shot		Small arms	17-Feb, 11:30-11:32

(government-controlled, 16km NE of Mariupol)	N/K NW	Heard	36	Burst	Assessed to be part of a live fire training exercise	HMG	17-Feb, 11:57-12:03
	N/K NW	Heard	55	Burst	Assessed to be part of a live fire training exercise	HMG	17-Feb, 12:06-12:21
	N/K NW	Heard	44	Shot	Assessed to be part of a live fire training exercise	Small arms	17-Feb, 12:06-12:21
	N/K N	Heard	16	Shot		Small arms	17-Feb, 12:06-12:21
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NE	Heard	2	Explosion	Undetermined	N/K	17-Feb, 14:05
Horlivka (non-government-controlled, 39km NE of Donetsk)	6-8km NNW	Heard	1	Explosion	Undetermined	N/K	16-Feb, 21:15
	4-6km W	Heard	2	Burst		HMG	16-Feb, 21:40
	4-6km NW	Heard	4	Burst		Small arms	16-Feb, 23:15-23:16
	8km W	Heard	5	Explosion	Undetermined	N/K	17-Feb, 17:40-17:42
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Heard	2	Burst		Small arms	16-Feb, 18:49
	6-8km NE	Heard	2	Explosion	Undetermined	N/K	16-Feb, 19:25
	6-8km NE	Heard	1	Explosion	Undetermined	N/K	16-Feb, 20:45
	6-8km NE	Heard	3	Explosion	Undetermined	N/K	16-Feb, 20:58
	6-8km NE	Heard	1	Explosion	Undetermined	N/K	16-Feb, 21:19
	5-7km SW	Heard	1	Burst		HMG	16-Feb, 21:27
	4-6km SE	Heard	1	Burst		Small arms	16-Feb, 21:33
	6-8km SE	Heard	1	Explosion	Undetermined	N/K	16-Feb, 21:42
	6-8km NE	Heard	3	Explosion	Undetermined	N/K	16-Feb, 22:38-22:40
	3-5km SE	Heard	6	Burst		Small arms	16-Feb, 22:54-23:00
	3-5km SW	Heard	1	Burst		HMG	16-Feb, 23:02
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	17-Feb, 13:35
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 15:35
	2-3km SE	Heard	1	Burst		HMG	17-Feb, 15:40
	2-3km SE	Heard	3	Explosion	Outgoing	Mortar (type N/K)	17-Feb, 15:40
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	17-Feb, 16:10
3-5km SE	Heard	4	Explosion	Undetermined	N/K	17-Feb, 18:00-18:07	
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km NE	Heard	10	Burst		HMG	17-Feb, 09:42
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-4km E	Recorded	1	Projectile	In vertical flight		16-Feb, 22:20
	3-4km E	Recorded	1	Projectile	In vertical flight		16-Feb, 22:27
SMM camera in Zolote	4-5km SSE	Recorded	1	Projectile	E to W (assessed as inside the	N/K	16-Feb, 19:01

(government-controlled, 60km W of Luhansk)					disengagement area)		
	2-4km E	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	17-Feb, 18:08
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	15-20km W	Heard	37	Burst		HMG	16-Feb, 18:35-19:09
	15-20km W	Heard	10	Explosion	Undetermined	N/K	16-Feb, 18:35-19:09
	15-20km NE	Heard	70	Burst		HMG	16-Feb, 19:03-20:00
	15-20km NE	Heard	29	Explosion	Undetermined	N/K	16-Feb, 19:03-20:00
	15-20km W	Heard	44	Burst		HMG	16-Feb, 19:23-19:45
	15-20km W	Heard	7	Explosion	Undetermined	N/K	16-Feb, 19:23-19:45
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-7km ESE	Heard	57	Explosion	Undetermined	N/K	17-Feb, 05:45-05:57
E edge of Popasna (government-controlled, 69km W of Luhansk)	1-3km S	Heard	90	Shot		Small arms	17-Feb, 13:55-14:12
1km N of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	5-6km NNW	Heard	7	Explosion	Undetermined	N/K	17-Feb, 09:15-09:30
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	5-6km NNW	Heard	5	Explosion	Undetermined	N/K	17-Feb, 09:40-09:55
	4-5km WSW	Heard	33	Explosion	Undetermined	N/K	17-Feb, 15:00-15:15
	4-5km WSW	Heard	60	Shot		Small arms	17-Feb, 15:00-15:15
NE edge of Kruta Hora (non-government-controlled, 16km NW of Luhansk)	5-10km N	Heard	2	Explosion	Undetermined	N/K	17-Feb, 09:50-09:52
N edge of Dachne (non-government-controlled, 47km W of Luhansk)	2-4km NE	Heard	20	Burst		HMG	17-Feb, 09:56-10:07
	2-4km NE	Heard	10	Shot		HMG	17-Feb, 09:56-10:07
Zolote-3/Stakhanovets (government-controlled, 61km W of Luhansk)	2-4km WNW	Heard	5	Explosion	Undetermined	Artillery (type N/K)	17-Feb, 10:33-10:40
2km S of Muratove (government-	4-5km S	Heard	2	Explosion	Undetermined	N/K	17-Feb, 10:52-10:57

controlled, 51km NW of Luhansk)							
W edge of Zolote- 2/Karbonit (government- controlled, 62km W of Luhansk)	2-4km SSW	Heard	10	Explosion	Undetermined (assessed as outside the disengagement area)	Artillery (type N/K)	17-Feb, 11:21- 11:30
6km SW of Zhovte (non- government- controlled, 17km NW of Luhansk)	1-2km WNW	Heard	2	Burst		Small arms	17-Feb, 11:15- 11:16
6km SW of Zhovte (non- government- controlled, 17km NW of Luhansk)	1-2km WNW	Heard	1	Shot		Small arms	17-Feb, 11:15- 11:16
S edge of Zolote- 5/Mykhailivka (non- government- controlled, 58km W of Luhansk)	3-4km WSW	Heard	26	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	17-Feb, 12:50- 13:00

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).