

**Table of ceasefire violations as of 15 October 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	15-Oct, 00:04
	2-4km SSE	Recorded	1	Explosion	Impact	N/K	15-Oct, 00:04
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 00:06
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	15-Oct, 00:06
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 00:07
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	15-Oct, 00:14
	2-4km SE	Recorded	3	Projectile	NE to SW	N/K	15-Oct, 00:15
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	15-Oct, 00:31
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Oct, 02:54
	2-4km SE	Recorded	1	Explosion	Airburst	N/K	15-Oct, 02:54
	2-4km SSE	Recorded	3	Projectile	NE to SW	N/K	15-Oct, 03:32
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	15-Oct, 03:32
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	11	Projectile	ENE to WSW	N/K	14-Oct, 18:21
	2-4km SE	Recorded	9	Projectile	WSW to ENE	N/K	14-Oct, 18:27
	2-4km SE	Recorded	1	Explosion	Impact	N/K	14-Oct, 18:36
	2-4km SSE	Recorded	1	Muzzle flash		N/K	14-Oct, 15:50
	2-4km SSE	Recorded	1	Burst	SSW to NNE	N/K	14-Oct, 18:53
	2-4km SSE	Recorded	2	Explosion	Impact	N/K	14-Oct, 18:53
	2-4km SSE	Recorded	1	Projectile	SSW to NNE	N/K	14-Oct, 18:53
	2-4km SSE	Recorded	3	Muzzle flash		N/K	14-Oct, 18:53
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:54
	2-4km SE	Recorded	8	Projectile	SW to NE	N/K	14-Oct, 19:00
	2-4km SE	Recorded	9	Projectile	SW to NE	N/K	14-Oct, 19:03
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	14-Oct, 19:03
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:03
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 19:04
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:04
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 19:04
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:05
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:18
	2-4km SSE	Recorded	3	Muzzle flash		N/K	14-Oct, 19:19
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 19:19
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 19:22
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:22
	2-4km SE	Recorded	3	Projectile	WNW to ESE	N/K	14-Oct, 19:27
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:31
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:31
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 19:31
	2-4km SE	Recorded	2	Muzzle flash		N/K	14-Oct, 19:34
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:34
	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 19:34
	3-4km SSE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:03
	3-4km SSE	Recorded	9	Projectile	W to E	N/K	14-Oct, 20:04
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:07
	3-4km SSE	Recorded	1	Projectile	E to W	N/K	14-Oct, 20:09
	3-4km SSE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:11
	3-4km SSE	Recorded	2	Explosion	Impact	N/K	14-Oct, 20:11
	3-4km SSE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:12
	3-4km SE	Recorded	2	Muzzle flash		N/K	14-Oct, 20:12
	3-4km S	Recorded	2	Projectile	W to E	N/K	14-Oct, 20:17
	3-4km S	Recorded	2	Muzzle flash		N/K	14-Oct, 20:18
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:18

<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.

	3-4km S	Recorded	3	Projectile	W to E	N/K	14-Oct, 20:18
	3-4km S	Recorded	2	Muzzle flash		N/K	14-Oct, 20:20
	3-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:21
	3-4km S	Recorded	1	Muzzle flash		N/K	14-Oct, 20:21
	3-4km SSE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:23
	3-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:28
	3-4km SSE	Recorded	6	Burst	ENE to WSW	N/K	14-Oct, 20:34
	3-4km SSE	Recorded	4	Burst	ENE to WSW	N/K	14-Oct, 20:35
	3-4km SSE	Recorded	1	Projectile	E to W	N/K	14-Oct, 20:44
	3-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Oct, 20:47
	3-4km SSE	Recorded	17	Projectile	E to W	N/K	14-Oct, 21:02
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:02
	3-4km SSE	Recorded	9	Projectile	E to W	N/K	14-Oct, 21:03
	3-4km SSE	Recorded	10	Projectile	E to W	N/K	14-Oct, 21:04
	3-4km SSE	Recorded	2	Projectile	W to E	N/K	14-Oct, 21:04
	3-4km SSE	Recorded	8	Projectile	W to E	N/K	14-Oct, 21:05
	3-4km SSE	Recorded	4	Projectile	E to W	N/K	14-Oct, 21:05
	3-4km SSE	Recorded	4	Projectile	W to E	N/K	14-Oct, 21:06
	3-4km SSE	Recorded	10	Projectile	E to W	N/K	14-Oct, 21:07
	3-4km SSE	Recorded	6	Projectile	W to E	N/K	14-Oct, 21:07
	3-4km SSE	Recorded	7	Projectile	W to E	N/K	14-Oct, 21:08
	3-4km SSE	Recorded	7	Projectile	E to W	N/K	14-Oct, 21:08
	3-4km SSE	Recorded	4	Projectile	W to E	N/K	14-Oct, 21:09
	3-4km SSE	Recorded	5	Projectile	E to W	N/K	14-Oct, 21:09
	3-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	14-Oct, 21:11
	3-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	14-Oct, 21:11
	3-4km SSE	Recorded	10	Projectile	ENE to WSW	N/K	14-Oct, 21:13
	3-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	14-Oct, 21:14
	3-4km SSE	Recorded	4	Projectile	WSW to ENE	N/K	14-Oct, 21:14
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:14
	3-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	14-Oct, 21:15
	3-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	14-Oct, 21:17
	3-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 21:23
	3-4km SSE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:36
	3-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 23:39
	3-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 00:24
	3-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Oct, 01:05
	3-4km SSE	Recorded	2	Projectile	WSW to ENE	N/K	15-Oct, 01:07
	3-4km SSE	Recorded	2	Burst	WSW to ENE	N/K	15-Oct, 01:18
	3-4km SSE	Recorded	9	Muzzle flash		N/K	15-Oct, 02:49
	3-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	15-Oct, 02:49
	3-4km SSE	Recorded	7	Projectile	ENE to WSW	N/K	15-Oct, 03:41
	3-4km S	Recorded	2	Projectile	W to E	N/K	15-Oct, 03:43
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Projectile	W to E	N/K	14-Oct, 18:54
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	14-Oct, 19:16
	0.5-1km S	Recorded	2	Projectile	NE to SW	N/K	14-Oct, 19:20
	2-4km SSW	Recorded	2	Projectile	W to E	N/K	14-Oct, 19:43
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:11
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:19
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:28
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 20:32
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 21:09
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 23:13
	2-4km S	Recorded	1	Projectile	SW to NE	N/K	15-Oct, 00:04
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	15-Oct, 00:04
	2-4km S	Recorded	1	Projectile	N to S	N/K	15-Oct, 00:04
	2-4km SSW	Recorded	3	Explosion	Undetermined	N/K	15-Oct, 00:06
	2-4km SSW	Recorded	5	Explosion	Undetermined	N/K	15-Oct, 00:07
	2-4km SSW	Recorded	4	Projectile	NNW to SSE	N/K	15-Oct, 00:14
	2-4km SSW	Recorded	1	Projectile	NNE to SSW	N/K	15-Oct, 00:14
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	15-Oct, 00:22
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 00:38
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 00:39

	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 00:43
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	15-Oct, 00:44
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	15-Oct, 01:08
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 01:39
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	15-Oct, 02:07
	2-4km SSW	Recorded	1	Projectile	NNW to SSE	N/K	15-Oct, 02:54
	2-4km SW	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 02:54
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 05:28
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	15-Oct, 05:58
	2-4km SSE	Recorded	6	Projectile	NNW to SSE	N/K	15-Oct, 06:06
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	15-Oct, 06:10
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	15-Oct, 06:12
	2-4km SSE	Recorded	3	Projectile	NNW to SSE	N/K	15-Oct, 06:32
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Oct, 18:36
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Oct, 18:37
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:37
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Oct, 18:38
	2-4km ESE	Recorded	3	Projectile	S to N	N/K	14-Oct, 18:39
	2-4km ESE	Recorded	10	Projectile	S to N	N/K	14-Oct, 18:40
	2-4km E	Recorded	2	Projectile	In vertical flight	N/K	14-Oct, 18:40
	2-4km E	Recorded	2	Projectile	N to S	N/K	14-Oct, 18:40
	2-4km ESE	Recorded	24	Projectile	S to N	N/K	14-Oct, 18:41
	2-4km ESE	Recorded	24	Projectile	SW to NE	N/K	14-Oct, 18:42
	2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 18:43
	2-4km ESE	Recorded	5	Projectile	SW to NE	N/K	14-Oct, 18:44
	2-4km ESE	Recorded	5	Projectile	SW to NE	N/K	14-Oct, 18:45
	2-4km ESE	Recorded	7	Projectile	SW to NE	N/K	14-Oct, 18:46
	2-4km ESE	Recorded	6	Projectile	SW to NE	N/K	14-Oct, 18:47
	2-4km ESE	Recorded	9	Projectile	SW to NE	N/K	14-Oct, 18:48
	2-4km ESE	Recorded	15	Projectile	SW to NE	N/K	14-Oct, 18:49
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:49
	2-4km ESE	Recorded	10	Projectile	SW to NE	N/K	14-Oct, 18:50
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:50
	2-4km ESE	Recorded	10	Projectile	SW to NE	N/K	14-Oct, 18:51
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:51
	2-4km E	Recorded	1	Burst	In vertical flight	N/K	14-Oct, 18:51
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 18:52
	2-4km E	Recorded	9	Projectile	S to N	N/K	14-Oct, 18:53
	2-4km ENE	Recorded	3	Explosion	Undetermined	N/K	14-Oct, 18:53
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	14-Oct, 18:54
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:54
	2-4km ENE	Recorded	12	Projectile	N to S	N/K	14-Oct, 19:00
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:01
	2-4km ENE	Recorded	8	Projectile	S to N	N/K	14-Oct, 19:01
	2-4km E	Recorded	2	Projectile	N to S	N/K	14-Oct, 19:12
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:13
	2-4km ENE	Recorded	1	Explosion	Airburst	N/K	14-Oct, 19:14
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	14-Oct, 19:14
	3-5km ESE	Recorded	2	Illumination flare	In vertical flight	N/K	14-Oct, 19:19
	2-4km E	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 19:19
	2-4km E	Recorded	3	Burst	WNW to ESE	N/K	14-Oct, 20:01
	2-4km E	Recorded	12	Projectile	WNW to ESE	N/K	14-Oct, 20:03
	2-4km E	Recorded	13	Projectile	SSW to NNE	N/K	14-Oct, 20:03
	2-4km E	Recorded	18	Projectile	SW to NE	N/K	14-Oct, 20:04
	2-4km ENE	Recorded	6	Projectile	S to N	N/K	14-Oct, 20:06
	2-4km ENE	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 20:06
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:07
	2-4km E	Recorded	5	Projectile	S to N	N/K	14-Oct, 20:07
	2-4km E	Recorded	5	Muzzle flash		N/K	14-Oct, 20:07
	2-4km E	Recorded	1	Projectile	N to S	N/K	14-Oct, 20:09
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:11
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 20:18
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:25

SMM camera 1.5km  
NE of Hnutove  
(government-  
controlled, 20km  
NE of Mariupol)

2-4km E	Recorded	1	Projectile	S to N	N/K	14-Oct, 20:30
2-4km E	Recorded	5	Projectile	S to N	N/K	14-Oct, 20:31
2-4km E	Recorded	2	Projectile	S to N	N/K	14-Oct, 20:32
2-4km E	Recorded	1	Projectile	NE to SW	N/K	14-Oct, 20:32
2-4km E	Recorded	1	Muzzle flash		N/K	14-Oct, 20:32
2-4km E	Recorded	4	Projectile	N to S	N/K	14-Oct, 20:34
2-4km E	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:34
2-4km ESE	Recorded	2	Projectile	N to S	N/K	14-Oct, 20:44
2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Oct, 20:53
2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Oct, 20:54
2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Oct, 20:55
2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 20:55
2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 20:56
2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 20:59
2-4km ESE	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 21:00
2-4km ESE	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 21:03
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:03
2-4km ESE	Recorded	4	Projectile	SW to NE	N/K	14-Oct, 21:04
2-4km ESE	Recorded	4	Muzzle flash		N/K	14-Oct, 21:04
2-4km E	Recorded	1	Projectile	SW to NE	N/K	14-Oct, 21:05
2-4km E	Recorded	6	Projectile	SSW to NNE	N/K	14-Oct, 22:11
2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	14-Oct, 21:12
2-4km E	Recorded	2	Projectile	SW to NE	N/K	14-Oct, 21:14
2-4km E	Recorded	2	Projectile	SSW to NNE	N/K	14-Oct, 21:15
2-4km E	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 21:15
2-4km E	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:15
2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 21:16
2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	14-Oct, 21:16
2-4km E	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 21:16
2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	14-Oct, 21:17
2-4km E	Recorded	1	Muzzle flash		N/K	14-Oct, 21:17
2-4km E	Recorded	5	Projectile	SW to NE	N/K	14-Oct, 21:18
2-4km E	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 21:19
2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	14-Oct, 21:19
2-4km E	Recorded	9	Projectile	NW to SE	N/K	14-Oct, 21:20
2-4km E	Recorded	5	Projectile	S to N	N/K	14-Oct, 21:21
2-4km E	Recorded	5	Projectile	N to S	N/K	14-Oct, 21:21
2-4km E	Recorded	5	Projectile	WSW to ENE	N/K	14-Oct, 21:22
2-4km E	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 21:24
2-4km E	Recorded	1	Projectile	WSW to ENE	N/K	14-Oct, 21:25
2-4km E	Recorded	7	Projectile	WSW to ENE	N/K	14-Oct, 21:37
2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:37
2-4km ESE	Recorded	2	Projectile	WSW to ENE	N/K	14-Oct, 21:38
2-4km ESE	Recorded	5	Projectile	WSW to ENE	N/K	14-Oct, 21:40
2-4km ESE	Recorded	5	Projectile	SSW to NNE	N/K	14-Oct, 21:57
2-4km E	Recorded	4	Projectile	NW to SE	N/K	14-Oct, 21:57
2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 21:58
2-4km ENE	Recorded	1	Projectile	SSW to NNE	N/K	14-Oct, 21:58
2-4km E	Recorded	2	Projectile	NNW to SSE	N/K	14-Oct, 21:59
2-4km ESE	Recorded	5	Muzzle flash		N/K	14-Oct, 21:59
2-4km E	Recorded	6	Projectile	S to N	N/K	14-Oct, 22:26
2-4km E	Recorded	13	Projectile	NNW to SSE	N/K	14-Oct, 22:27
2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 22:28
2-4km E	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 22:28
2-4km E	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:57
2-4km ENE	Recorded	1	Projectile	NNW to SSE	N/K	14-Oct, 23:03
2-4km E	Recorded	20	Projectile	S to N	N/K	14-Oct, 23:07
2-4km E	Recorded	12	Projectile	N to S	N/K	14-Oct, 23:08
2-4km E	Recorded	3	Projectile	SW to NE	N/K	14-Oct, 23:15
2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	14-Oct, 23:16
2-4km E	Recorded	3	Projectile	SSW to NNE	N/K	14-Oct, 23:16
2-4km E	Recorded	4	Projectile	NNW to SSE	N/K	14-Oct, 23:17
2-4km ENE	Recorded	9	Projectile	S to N	N/K	14-Oct, 23:20
2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 23:20

	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	14-Oct, 23:20
	2-4km ENE	Recorded	2	Projectile	NNW to SSE	N/K	14-Oct, 23:21
	2-4km E	Recorded	14	Projectile	S to N	N/K	14-Oct, 23:35
	2-4km E	Recorded	3	Projectile	N to S	N/K	15-Oct, 00:24
	2-4km E	Recorded	24	Projectile	S to N	N/K	15-Oct, 00:40
	2-4km ENE	Recorded	5	Projectile	S to N	N/K	15-Oct, 01:07
	2-4km E	Recorded	8	Projectile	N to S	N/K	15-Oct, 01:10
	2-4km E	Recorded	22	Projectile	S to N	N/K	15-Oct, 01:18
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	15-Oct, 01:42
	2-4km ENE	Recorded	4	Projectile	WSW to ENE	N/K	15-Oct, 01:56
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 01:58
	2-4km E	Recorded	3	Projectile	N to S	N/K	15-Oct, 02:27
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 02:58
	2-4km E	Recorded	1	Projectile	N to S	N/K	15-Oct, 03:36
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Oct, 03:37
	2-4km E	Recorded	14	Projectile	N to S	N/K	15-Oct, 03:37
	2-4km E	Recorded	4	Projectile	S to N	N/K	15-Oct, 03:39
	2-4km E	Recorded	1	Projectile	S to N	N/K	15-Oct, 03:40
	2-4km E	Recorded	7	Projectile	S to N	N/K	15-Oct, 03:41
	2-4km	Recorded	6	Projectile	N to S	N/K	15-Oct, 03:41
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	15-Oct, 04:06
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	15-Oct, 04:18
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 04:27
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 04:41
	2-4km E	Recorded	7	Projectile	NW to SE	N/K	15-Oct, 05:09
	2-4km E	Recorded	18	Projectile	SW to NE	N/K	15-Oct, 05:13
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 05:17
	2-4km E	Recorded	2	Projectile	SW to NE	N/K	15-Oct, 05:17
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	15-Oct, 05:18
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	15-Oct, 05:19
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	15-Oct, 05:28
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:32
	3-5km ENE	Recorded	1	Projectile	S to N	N/K	14-Oct, 23:41
	3-5km E	Recorded	1	Projectile	In vertical flight	N/K	15-Oct, 01:01
	1-2km E	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 05:28
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:22
	4-5km SSW	Recorded	2	Projectile	W to E	N/K	14-Oct, 23:21
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	1	Explosion	Impact	N/K	14-Oct, 18:22
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:36
	2-4km NE	Recorded	2	Muzzle flash		N/K	14-Oct, 18:51
	2-4km NE	Recorded	3	Projectile	NW to SE	N/K	14-Oct, 18:51
	2-4km NE	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 19:03
	2-4km ENE	Recorded	3	Projectile	NW to SE	N/K	14-Oct, 19:16
	2-4km NE	Recorded	1	Projectile	SE to NW	N/K	14-Oct, 19:18
	2-4km NE	Recorded	1	Explosion	Impact	N/K	14-Oct, 19:18
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:20
	2-4km NE	Recorded	5	Projectile	SE to NW	N/K	14-Oct, 19:20
	2-4km NE	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 19:20
	2-4km NE	Recorded	1	Explosion	Impact	N/K	14-Oct, 19:31
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	14-Oct, 19:31
	2-4km ENE	Recorded	6	Projectile	NW to SE	N/K	14-Oct, 19:43
	2-4km ENE	Recorded	3	Projectile	SE to NW	N/K	14-Oct, 19:43
	2-4km ENE	Recorded	2	Projectile	SE to NW	N/K	14-Oct, 19:44
	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	14-Oct, 19:44
	2-4km NE	Recorded	3	Projectile	W to E	N/K	14-Oct, 20:18
	2-4km NE	Recorded	1	Explosion	Outgoing	N/K	14-Oct, 20:18
	2-4km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:21
	2-4km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:32
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:32
	2-4km NE	Recorded	22	Projectile	S to N	N/K	14-Oct, 20:34

	2-4km NE	Recorded	7	Projectile	S to N	N/K	14-Oct, 20:35
	2-4km NE	Recorded	4	Explosion	Undetermined	N/K	14-Oct, 20:35
	2-4km NE	Recorded	4	Projectile	S to N	N/K	14-Oct, 20:39
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 20:39
	2-4km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:42
	2-4km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:43
	2-4km NE	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:44
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 21:36
	2-4km NE	Recorded	1	Illumination flare	W to E	N/K	14-Oct, 21:44
	2-4km ENE	Recorded	9	Projectile	W to E	N/K	14-Oct, 21:48
	2-4km NE	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 23:27
	2-4km NE	Recorded	14	Projectile	W to E	N/K	14-Oct, 23:27
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	2	Projectile	S to N	N/K	14-Oct, 19:35
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	14-Oct, 19:36
	2-4km ENE	Recorded	3	Projectile	S to N	N/K	14-Oct, 19:38
	2-4km ENE	Recorded	8	Projectile	S to N	N/K	14-Oct, 19:54
	3-4km ENE	Recorded	9	Projectile	N to S	N/K	14-Oct, 20:34
	3-4km ENE	Recorded	7	Projectile	NW to SE	N/K	14-Oct, 20:34
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:09
	1-3km NNE	Recorded	4	Projectile	W to E	N/K	14-Oct, 20:14
	1-3km NNE	Recorded	4	Projectile	W to E	N/K	14-Oct, 20:26
	1-3km NNE	Recorded	1	Projectile	In vertical flight	N/K	14-Oct, 21:37
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	14-Oct, 23:26
	1-3km NNE	Recorded	2	Projectile	WSW to ENE	N/K	14-Oct, 23:26
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	14-Oct, 23:30
	1-3km NNE	Recorded	3	Projectile	W to E	N/K	14-Oct, 23:44
	1-3km WNW	Recorded	1	Projectile	SSE to NNW	N/K	14-Oct, 23:44
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	14-Oct, 23:44
	1-3km NNE	Recorded	2	Projectile	SSE to NNW	N/K	15-Oct, 00:28
	1-3km NNE	Recorded	2	Projectile	W to E	N/K	15-Oct, 00:28
	1-3km NNE	Recorded	1	Projectile	SSE to NNW	N/K	15-Oct, 01:07
	1-3km NNE	Recorded	1	Projectile	W to E	N/K	15-Oct, 01:37
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 01:40
1-3km NNE	Recorded	3	Projectile	E to W	N/K	15-Oct, 03:26	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 18:23
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 19:08
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	3	Projectile	N to S	N/K	14-Oct, 21:24
	2-4km ESE	Recorded	4	Projectile	N to S	N/K	14-Oct, 21:35
	2-4km ESE	Recorded	15	Projectile	N to S	N/K	14-Oct, 21:42
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:00
	2-4km S	Recorded	22	Projectile	W to E	N/K	14-Oct, 20:04
	2-4km S	Recorded	5	Projectile	W to E	N/K	14-Oct, 20:11
	2-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:12
	2-4km S	Recorded	4	Explosion	Undetermined	N/K	14-Oct, 20:12
	2-4km S	Recorded	2	Projectile	W to E	N/K	14-Oct, 20:17
	2-4km S	Recorded	4	Projectile	W to E	N/K	14-Oct, 20:18
	2-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 20:21
	2-4km S	Recorded	3	Explosion	Undetermined	N/K	14-Oct, 20:29
	2-4km S	Recorded	4	Explosion	Undetermined	N/K	14-Oct, 20:30
	2-4km S	Recorded	1	Projectile	E to W	N/K	14-Oct, 20:30
	2-4km S	Recorded	20	Projectile	E to W	N/K	14-Oct, 20:34
	2-4km S	Recorded	2	Projectile	E to W	N/K	14-Oct, 20:35
	2-4km S	Recorded	2	Projectile	E to W	N/K	14-Oct, 20:40
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	14-Oct, 21:04
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	14-Oct, 21:38
	2-4km S	Recorded	9	Explosion	Undetermined	N/K	14-Oct, 21:48
2-4km S	Recorded	5	Explosion	Undetermined	N/K	14-Oct, 21:49	

	2-4km S	Recorded	1	Projectile	E to W	N/K	14-Oct, 21:52
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	14-Oct, 21:52
	2-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 22:18
	2-4km S	Recorded	1	Projectile	W to E	N/K	14-Oct, 22:32
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 22:56
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	14-Oct, 23:25
	2-4km S	Recorded	3	Projectile	W to E	N/K	14-Oct, 23:27
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	14-Oct, 23:27
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 01:24
	2-4km S	Recorded	2	Projectile	W to E	N/K	15-Oct, 01:26
	2-4km S	Recorded	3	Explosion	Undetermined	N/K	15-Oct, 01:26
	2-4km S	Recorded	5	Explosion	Undetermined	N/K	15-Oct, 01:41
	2-4km S	Recorded	14	Projectile	W to E	N/K	15-Oct, 02:08
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 02:39
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 02:43
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	15-Oct, 02:48
	2-4km S	Recorded	1	Projectile	W to E	N/K	15-Oct, 03:34
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	15-Oct, 04:06
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	15-Oct, 04:12
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	15-Oct, 04:49
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	2-3km ENE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	14-Oct, 18:59
SMM camera in Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	2-4km E	Recorded	1	Projectile	ESE to WNW (assessed as outside the disengagement area)	N/K	15-Oct, 01:01
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km E	Recorded	2	Projectile	SW to NE	N/K	15-Oct, 01:19
	2-4km E	Recorded	1	Explosion	Impact	N/K	15-Oct, 16:21
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km SE	Recorded	4	Projectile	NE to SW (unable to assess whether inside or outside the disengagement area)	N/K	14-Oct, 20:09
	1-3km ESE	Recorded	4	Projectile	NE to SW (assessed as inside the disengagement area)	N/K	14-Oct, 20:14
	1-3km SE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	14-Oct, 20:22
	1-3km SSE	Recorded	1	Projectile	E to W (unable to assess whether inside or outside the disengagement area)	N/K	14-Oct, 21:14
	1-3km SSE	Recorded	1	Explosion	Unable to assess whether inside or outside the disengagement area	N/K	14-Oct, 21:14
	2-4km SE	Recorded	11	Projectile	NE to SW (assessed as	N/K	15-Oct, 18:07

					inside the disengagement area)		
SE part of Avdiivka (government- controlled, 17km N of Donetsk)	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 09:38
	3-4km SSE	Heard	1	Burst		HMG	15-Oct, 09:38
S edge of Avdiivka (government- controlled, 17km N of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:36
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 12:08
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 12:44
1.1km NW of railway station in Yasynuvata (non- government- controlled, 16km NE of Donetsk)	1.5km NW	Heard	6	Shot		Small arms	15-Oct, 09:36
	1-2km NW	Heard	3	Burst		Small arms	15-Oct, 10:37
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:50
	2km NW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:27
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:36
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:41
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:55
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 12:08
	1-2km W	Heard	3	Shot		Small arms	15-Oct, 13:19
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 13:32
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 14:31
1-2km SW	Heard	1	Burst		Small arms	15-Oct, 14:39	
1 km NNW of entry-exit checkpoint in Pyshevyk (government- controlled, 25km NE of Mariupol)	2km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 09:35
	2km E	Heard	2	Burst	Undetermined	Small arms	15-Oct, 09:35
	2km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:31
	2-3km NNE	Heard	9	Explosion	Undetermined	N/K	15-Oct, 13:32- 13:36
	2-3km NNE	Heard	2	Burst	Undetermined	HMG	15-Oct, 13:32- 13:36
	2km NE	Heard	3	Burst	Undetermined	HMG	15-Oct, 13:40
	2km NE	Heard	4	Shot	Undetermined	Small arms	15-Oct, 13:40
	2km NE	Heard	10	Burst	Undetermined	Small arms	15-Oct, 13:47- 13:51
	2km NE	Heard	4	Explosion	Undetermined	N/K	15-Oct, 13:47- 13:51
	2km SE	Heard	7	Shot	Undetermined	Small arms	15-Oct, 14:02- 14:10
2km NE	Heard	5	Shot	Undetermined	Small arms	15-Oct, 14:02- 14:10	
2.5 km SSE of Lomakyne (government- controlled, 15 km NE of Mariupol)	N/K E	Heard	6	Shot	Undetermined	Small arms	15-Oct, 09:55- 10:05
	N/K E	Heard	29	Burst	Undetermined	Small arms	15-Oct, 09:55- 10:05
	N/K NNE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 09:55- 10:05
	N/K NE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 10:55
Berdianske (government- controlled, 18km E of Mariupol)	N/K N	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:28
2.3 km SSE of Lebedynske (government- controlled, 16km NE of Mariupol)	N/K NE	Heard	5	Burst	Undetermined	HMG	15-Oct, 13:02
	N/K NE	Heard	6	Explosion	Undetermined	N/K	15-Oct, 13:02
	N/K NNE	Heard	2	Burst	Undetermined	Small arms	15-Oct, 13:02
Svitlodarsk (government- controlled, 57km	3-4km SE	Heard	2	Explosion	Undetermined	N/K	14-Oct, 19:06
	2-3km SE	Heard	5	Burst		HMG	14-Oct, 19:08
	2-3km SE	Heard	9	Shot		Small	14-Oct, 19:59

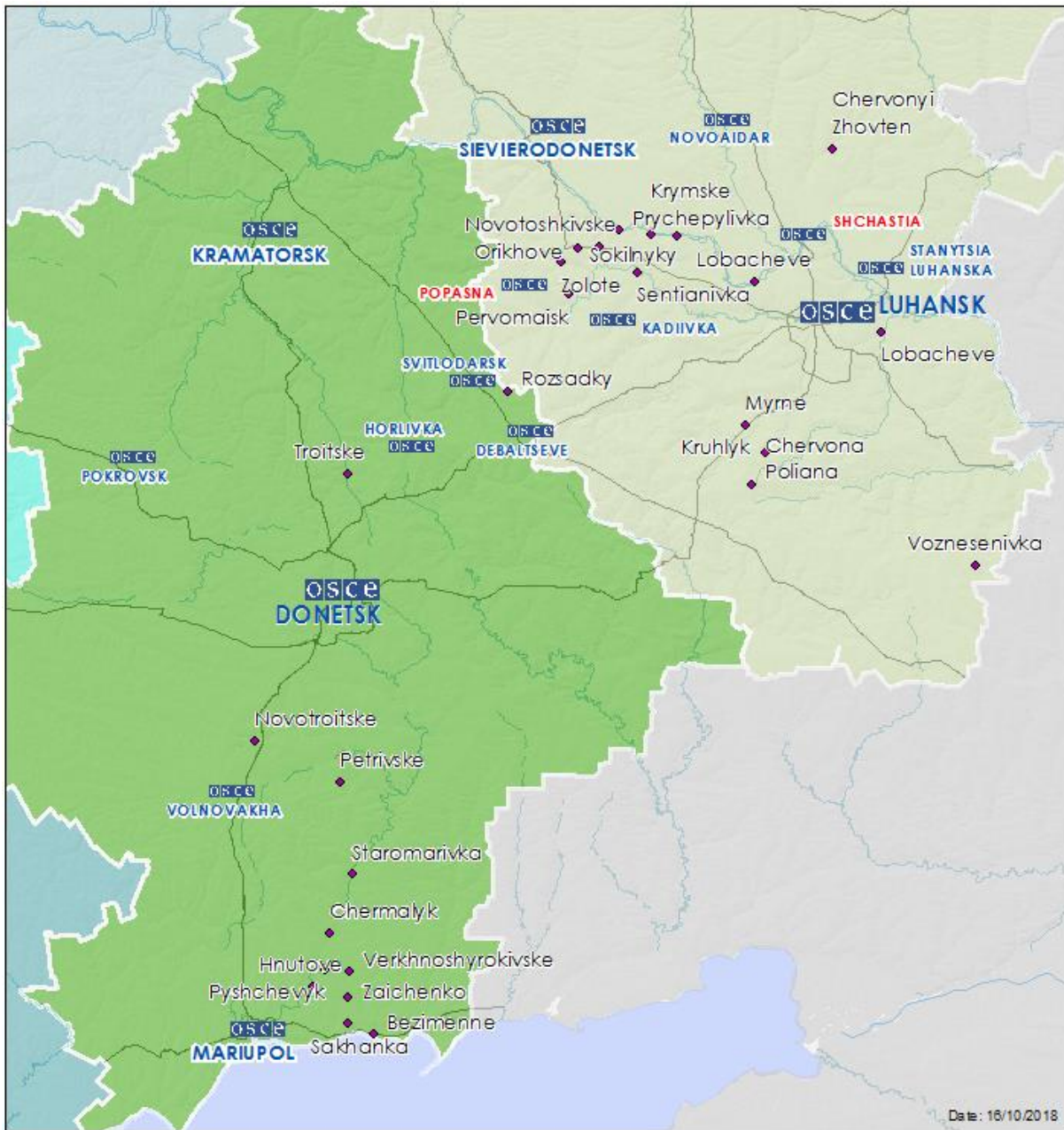


NE of Donetsk)					arms	
	3-4km SE	Heard	2	Burst	Small arms	14-Oct, 20:24
	2-3km SE	Heard	1	Shot	Small arms	14-Oct, 20:39
	2-3km SW	Heard	13	Burst	HMG	14-Oct, 20:40-20:44
	3-4km E	Heard	25	Shot	Small arms	14-Oct, 20:48
	3-4km E	Heard	14	Burst	Small arms	14-Oct, 20:54
	3-4km SE	Heard	2	Shot	Small arms	14-Oct, 21:06
	4-5km SE	Heard	5	Shot	Small arms	14-Oct, 21:11
	4-5km SE	Heard	14	Burst	HMG	14-Oct, 21:12
	3-4km SE	Heard	4	Burst	HMG	14-Oct, 21:31
	3-4km ESE	Heard	27	Burst	HMG	14-Oct, 21:35
	3-4km SE	Heard	26	Burst	HMG	14-Oct, 21:55
	5-6km SE	Heard	6	Shot	Small arms	14-Oct, 22:03
	5-6km SE	Heard	14	Burst	HMG	14-Oct, 22:07
	5-6km SE	Heard	7	Shot	Small arms	14-Oct, 22:07
	4-5km SE	Heard	21	Burst	HMG	14-Oct, 22:12
	4-5km SE	Heard	11	Shot	Small arms	14-Oct, 22:22
	4-5km SE	Heard	5	Burst	HMG	14-Oct, 22:22
	4-5km SE	Heard	6	Burst	HMG	14-Oct, 22:24
	5-6km SE	Heard	3	Burst	HMG	14-Oct, 22:51
	4-6km SE	Heard	17	Burst	HMG	14-Oct, 23:04
	4-5km SE	Heard	6	Shot	HMG	14-Oct, 23:09
	4-5km SE	Heard	7	Burst	HMG	14-Oct, 23:11
	4-5km SE	Heard	17	Burst	HMG	14-Oct, 23:16
	4-5km SE	Heard	13	Burst	HMG	14-Oct, 23:30
	4-5km SE	Heard	16	Burst	HMG	14-Oct, 23:43
	4-5km SE	Heard	3	Shot	Small arms	14-Oct, 23:49
	4-5km SE	Heard	23	Burst	HMG	14-Oct, 23:51
	3-5km SW	Heard	21	Burst	HMG	15-Oct, 07:00-07:05
	3-4km SE	Heard	8	Explosion	Undetermined	N/K
	4-5km SW	Heard	6	Explosion	Undetermined	N/K
	3-4km SE	Heard	4	Burst	HMG	15-Oct, 08:16
	3-5km SW	Heard	8	Burst	HMG	15-Oct, 08:17
	1-2km SW	Heard	2	Shot	Small arms	15-Oct, 08:50
	3-4km SW	Heard	3	Burst	HMG	15-Oct, 08:52
	3-5km SE	Heard	1	Burst	HMG	15-Oct, 08:53
	1-2km SW	Heard	2	Shot	Small arms	15-Oct, 08:53-08:54
	3-4km SW	Heard	3	Burst	HMG	15-Oct, 08:55
	1-2km SW	Heard	2	Shot	Small arms	15-Oct, 08:55-08:56
	4-5km SW	Heard	3	Burst	HMG	15-Oct, 08:56
	4-5km SE	Heard	1	Explosion	Undetermined	N/K
	2-3km SE	Heard	1	Explosion	Undetermined	N/K
	2-3km SE	Heard	2	Shot	Small arms	15-Oct, 09:39
	2-3km SE	Heard	1	Shot	Small arms	15-Oct, 09:42
	4-5km SW	Heard	7	Burst	HMG	15-Oct, 09:59
	3-4km SE	Heard	1	Explosion	Undetermined	N/K

	2-3km SE	Heard	5	Shot		Small arms	15-Oct, 10:42
	2-3km SE	Heard	2	Shot		Small arms	15-Oct, 10:48
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:50
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:44
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:53
	4-5km ESE	Heard	8	Burst		HMG	15-Oct, 12:21-12:23
	6-7km ESE	Heard	11	Explosion	Undetermined	N/K	15-Oct, 12:26-12:31
	5-7km ESE	Heard	10	Burst		HMG	15-Oct, 12:36
	2-3km ESE	Heard	18	Burst		Small arms	15-Oct, 12:38-12:40
	6-7km ESE	Heard	3	Explosion	Undetermined	N/K	15-Oct, 12:49
	2-3km S	Heard	13	Burst		Small arms	15-Oct, 12:52
	3-4km E	Heard	7	Explosion	Undetermined	N/K	15-Oct, 12:54
	6-7km E	Heard	6	Explosion	Undetermined	N/K	15-Oct, 12:56-12:58
	6-7km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 13:08
	5-6km SE	Heard	87	Explosion	Undetermined	N/K	15-Oct, 15:55-16:16
	5-6km SE	Heard	15 1	Burst		HMG	15-Oct, 15:55-16:16
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 16:12
	1km SE	Heard	1	Explosion	Undetermined	N/K	15-Oct, 16:22
	5-6km NE	Heard	9	Explosion	Undetermined	N/K	15-Oct, 16:30-16:41
	5-6km NE	Heard	47	Burst		HMG	15-Oct, 16:30-16:41
	5-6km SE	Heard	20	Explosion	Undetermined	N/K	15-Oct, 16:49-17:16
	5-6km SE	Heard	20	Burst		HMG	15-Oct, 16:49-17:16
	5-6km NE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 17:17-17:18
	3-4km SE	Heard	17	Explosion	Undetermined	N/K	15-Oct, 17:20-17:25
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	2-3km W	Heard	4	Burst		HMG	15-Oct, 10:30
	3-5km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:34
	3-5km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 10:36
	3-5km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 11:10
	3-5km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 11:12
	4-6km E	Heard	3	Explosion	Undetermined	N/K	15-Oct, 11:30
	3-5km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 11:45
	3-5km E	Heard	3	Explosion	Undetermined	N/K	15-Oct, 12:00
	4-6km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:28
	4-6km E	Heard	4	Explosion	Undetermined	N/K	15-Oct, 12:29
	4-6km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:30
	4-6km E	Heard	8	Explosion	Undetermined	N/K	15-Oct, 12:31
4-6km E	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:33	
E edge of Dolomitne (non-government-controlled, 53km NE of Donetsk)	4-5km E	Heard	1	Explosion	Undetermined	N/K	15-Oct, 09:59
	3-4km S	Heard	12	Explosion	Undetermined	N/K	15-Oct, 12:25-12:30
N edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km NE	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:04
	1-2km NE	Heard	6	Shot		Small arms	15-Oct, 12:07
Luhansk city (non-government-controlled)	1-2km NW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 07:42
Kalynove (non-	3-5km WNW	Heard	10	Burst		HMG	15-Oct, 10:07-

government-controlled, 60km W of Luhansk)							10:12
	3-5km WNW	Heard	4	Burst		30mm cannon	15-Oct, 10:07-10:12
	3-5km WNW	Heard	1	Explosion	Undetermined	Artillery (type N/K)	15-Oct, 10:07-10:12
	10-12km N	Heard	7	Explosion	Undetermined	Artillery (type N/K)	15-Oct, 10:55-10:57
S edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	2-2.5km NNE	Heard	36	Shot and Burst	Impact (assessed as inside the disengagement area)	Small arms	15-Oct, 10:53-11:01
	300-400 NNE	Heard and saw	3	Explosion	Impact (assessed as inside the disengagement area)	AGL	15-Oct, 10:53-11:01
SE edge of Popasna (government-controlled, 69km W of Luhansk)	10-15km NE	Heard	31	Explosion	Undetermined	N/K	15-Oct, 10:54-11:15
	10km NE	Heard	2	Burst		Small arms	15-Oct, 10:54-11:15
1.5km SE of Holubivske (non-government-controlled, 51km W of Luhansk)	10-15km SW	Heard	4	Explosion	Undetermined	N/K	15-Oct, 10:55-10:57
N edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	1-3km NNE	Heard	16	Shot and burst	Both	Small arms	15-Oct, 11:05-11:20
Obozne (non-government-controlled, 18km N of Luhansk)	1-3km NE	Heard	5	Burst		Small arms	15-Oct, 12:35-12:40
N edge of Dachne (non-governmental-controlled, 47km west of Luhansk)	5-8km NNW	Heard	4	Explosion	Undetermined	N/K	15-Oct, 12:45-12:48
SW edge of Zolote 5 (Mykhailivka) (non-government-controlled, 58km W of Luhansk)	7-10km NNW	Heard	2	Explosion	Undetermined	N/K	15-Oct, 12:54-12:56
	2-3km NNW	Heard	118	Shot		Small arms	15-Oct, 12:54-12:58
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	5-10km NNW	Heard	1	Explosion	Undetermined	N/K	15-Oct, 13:58

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



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