

Table of ceasefire violations as of 18 October 2019¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	18-Oct, 02:11
	2-4km SSE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	18-Oct, 02:11
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 02:11
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	18-Oct, 02:19
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 05:17
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-5km SSE	Recorded	3	Projectile	NE to SSW	N/K	18-Oct, 18:24
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	18-Oct, 01:26
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km S	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:30
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:30
	3-5km S	Recorded	2	Muzzle flash		N/K	17-Oct, 18:30
	3-5km SE	Recorded	4	Projectile	WSW to ENE	N/K	17-Oct, 18:31
	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:31
	3-5km SSE	Recorded	25	Projectile	ENE to WSW	N/K	17-Oct, 18:31
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:32
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:32
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:32
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:32
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:32
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:33
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:33
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:33
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:33
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:33
	3-5km SE	Recorded	3	Projectile	WSW to ENE	N/K	17-Oct, 18:34
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:34
	3-5km SSE	Recorded	1	Explosion		N/K	17-Oct, 18:34
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:35
	3-5km S	Recorded	1	Explosion		N/K	17-Oct, 18:35
	3-5km SSE	Recorded	2	Explosion	Impact	N/K	17-Oct, 18:35
	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:35
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:36
	3-5km SSE	Recorded	2	Muzzle flash		N/K	17-Oct, 18:36
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:36
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	17-Oct, 18:37
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:37
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:37
	3-5km S	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:37
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:38
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:38
3-5km S	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 18:38	
3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:38	
3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:39	
3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:39	
3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 18:40	

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.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SSE	Recorded	2	Muzzle flash		N/K	17-Oct, 18:40
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:42
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:43
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:45
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 18:45
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:46
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 18:46
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:48
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 18:49
	3-5km SSE	Recorded	1	Muzzle flash		N/K	17-Oct, 18:50
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:51
	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:51
	5-8km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Oct, 18:52
	3-5km SSE	Recorded	1	Explosion		N/K	17-Oct, 18:52
	5-8km SSE	Recorded	5	Projectile	WSW to ENE	N/K	17-Oct, 18:53
	3-5km SSE	Recorded	38	Projectile	WSW to ENE	N/K	17-Oct, 18:56
	5-8km SSE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 19:04
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 19:09
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 19:09
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:12
	5-8km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 19:12
	5-8km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 19:13
	3-5km SE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 19:14
	5-8km SE	Recorded	4	Projectile	WNW to ESE	N/K	17-Oct, 19:16
	3-5km S	Recorded	5	Projectile	WNW to ESE	N/K	17-Oct, 19:19
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:19
	3-5km S	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 19:20
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:21
	3-5km SSE	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 19:21
	3-5km SSE	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 19:22
	3-5km SSE	Recorded	1	Muzzle flash		N/K	17-Oct, 19:25
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 19:26
	5-8km S	Recorded	12	Projectile	WNW to ESE	N/K	17-Oct, 19:26
	3-5km S	Recorded	1	Explosion	Impact	N/K	17-Oct, 19:27
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 19:27
	5-8km S	Recorded	6	Projectile	WNW to ESE	N/K	17-Oct, 19:27
	3-5km SSE	Recorded	1	Muzzle flash		N/K	17-Oct, 19:28
	3-5km SSE	Recorded	1	Explosion	Impact	N/K	17-Oct, 19:28
	5-8km SSE	Recorded	2	Explosion	Airburst	N/K	17-Oct, 19:29
	3-5km SSE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 19:32
	3-5km SE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 19:32
	5-8km S	Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 19:33
	5-8km S	Recorded	1	Projectile	WNW to ESE (in vertical flight)	N/K	17-Oct, 19:34
	3-5km SE	Recorded	6	Projectile	ENE to WSW	N/K	17-Oct, 19:35
	3-5km SE	Recorded	4	Projectile	ENE to WSW	N/K	17-Oct, 20:03
	3-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Oct, 20:04
	3-5km SE	Recorded	4	Projectile	WSW to ENE	N/K	17-Oct, 20:14
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 20:15
	3-5km SE	Recorded	6	Projectile	WSW to ENE	N/K	17-Oct, 20:20
	3-5km SSE	Recorded	10	Projectile	WSW to ENE	N/K	17-Oct, 20:27
	3-5km SE	Recorded	4	Projectile	WSW to ENE	N/K	17-Oct, 20:28
	3-5km SE	Recorded	3	Projectile	WSW to ENE	N/K	17-Oct, 20:29
	3-5km SSE	Recorded	1	Explosion	Impact	N/K	17-Oct, 20:38
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	17-Oct, 20:49
	3-5km SSE	Recorded	2	Projectile	WSW to ENE	N/K	17-Oct, 21:04
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 21:05
	3-5km SSE	Recorded	1	Projectile	In vertical flight	N/K	17-Oct, 21:05

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SSE	Recorded	28	Projectile	ENE to WSW	N/K	17-Oct, 21:41
	3-5km SE	Recorded	2	Projectile	ENE to WSW	N/K	17-Oct, 22:01
	3-5km SE	Recorded	5	Projectile	ENE to WSW	N/K	17-Oct, 23:20
	3-5km SSE	Recorded	1	Projectile	NNE to SSW	N/K	17-Oct, 23:21
	3-5km SE	Recorded	12	Projectile	ENE to WSW	N/K	17-Oct, 23:36
	3-5km SE	Recorded	8	Projectile	ENE to WSW	N/K	17-Oct, 23:37
	3-5km SSE	Recorded	1	Projectile	WSW to ENE (impact observed)	N/K	17-Oct, 23:44
	3-5km SE	Recorded	1	Projectile	NE to SW	N/K	17-Oct, 23:56
	3-5km SE	Recorded	8	Projectile	ENE to WSW	N/K	17-Oct, 23:57
	3-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	18-Oct, 00:10
	3-5km SSE	Recorded	7	Projectile	ENE to WSW	N/K	18-Oct, 00:18
	3-5km S	Recorded	1	Muzzle flash		N/K	18-Oct, 00:18
	3-5km SSE	Recorded	18	Projectile	ENE to WSW	N/K	18-Oct, 00:36
	3-5km S	Recorded	1	Projectile	ENE to WSW (impact observed)	N/K	18-Oct, 00:41
	SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	4-6km E	Recorded	1	Muzzle flash		N/K
4-6km E		Recorded	1	Projectile	NNW to SSE (impact observed)	N/K	17-Oct, 18:30
4-6km E		Recorded	1	Explosion	Impact, subsequent to previous event	N/K	17-Oct, 18:30
4-6km E		Recorded	2	Projectile	NNW to SSE	N/K	17-Oct, 18:31
4-6km E		Recorded	1	Explosion		N/K	17-Oct, 18:31
4-6km E		Recorded	1	Burst	W to E (approx. 10 rounds)	N/K	17-Oct, 18:31
4-6km E		Recorded	3	Projectile	SSW to NNE	N/K	17-Oct, 18:32
4-6km E		Recorded	1	Projectile	NNW to SSE (impact observed)	N/K	17-Oct, 18:33
4-6km E		Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	17-Oct, 18:33
4-6km E		Recorded	1	Explosion		N/K	17-Oct, 18:35
4-6km E		Recorded	1	Projectile	NNW to SSE	N/K	17-Oct, 18:36
4-6km E		Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	17-Oct, 18:36
4-6km E		Recorded	2	Explosion		N/K	17-Oct, 18:37
4-6km E		Recorded	1	Muzzle flash		N/K	17-Oct, 18:37
4-6km E		Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	17-Oct, 18:37
4-6km E		Recorded	1	Muzzle flash		N/K	17-Oct, 18:39
4-6km E		Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	17-Oct, 18:39
4-6km E		Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	17-Oct, 18:39
4-6km E		Recorded	1	Explosion		N/K	17-Oct, 18:40
4-6km ESE		Recorded	1	Muzzle flash		N/K	17-Oct, 18:43
4-6km ESE		Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	17-Oct, 18:43
4-6km ESE		Recorded	1	Muzzle flash		N/K	17-Oct, 18:45
4-6km ESE		Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	17-Oct, 18:45
4-6km ESE		Recorded	1	Muzzle flash		N/K	17-Oct, 18:46
4-6km ESE		Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	17-Oct, 18:46
4-6km E		Recorded	5	Projectile	SW to NE	N/K	17-Oct, 18:53
4-6km ENE		Recorded	1	Projectile	NW to SE	N/K	17-Oct, 19:13

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km ESE	Recorded	1	Explosion	Airburst	N/K	17-Oct, 19:14
	4-6km E	Recorded	5	Projectile	WSW to ENE	N/K	17-Oct, 19:19
	4-6km E	Recorded	1	Muzzle flash		N/K	17-Oct, 19:19
	4-6km E	Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	17-Oct, 19:19
	4-6km E	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	17-Oct, 19:19
	4-6km E	Recorded	1	Muzzle flash		N/K	17-Oct, 19:20
	4-6km E	Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	17-Oct, 19:20
	4-6km E	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	17-Oct, 19:20
	4-6km E	Recorded	1	Muzzle flash		N/K	17-Oct, 19:26
	4-6km E	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	17-Oct, 19:26
	4-6km E	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 19:27
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:28
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:29
	4-6km E	Recorded	1	Projectile	SW to NE	N/K	17-Oct, 19:29
	4-6km E	Recorded	1	Projectile	SW to NE	N/K	17-Oct, 19:32
		4-6km ESE	Recorded	1	Illumination flare	In vertical flight (also recorded by the SMM Cameras in Lomakyne and Pyshevyk)	N/K
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-4km NE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	17-Oct, 19:32
	2-4km NE	Recorded	4	Projectile	NW to SE	N/K	17-Oct, 19:33
	2-3km NE	Recorded	1	Explosion	Impact	N/K	17-Oct, 20:36
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-3km NNE	Recorded	11	Projectile	W to E	N/K	17-Oct, 21:26
	2-3km NNE	Recorded	14	Projectile	W to E	N/K	17-Oct, 21:27
	2-3km NNE	Recorded	9	Projectile	W to E	N/K	17-Oct, 21:29
	2-3km NNE	Recorded	12	Projectile	W to E	N/K	17-Oct, 21:30
	2-3km NNE	Recorded	22	Projectile	W to E	N/K	17-Oct, 22:30
	2-3km NNE	Recorded	5	Projectile	W to E	N/K	17-Oct, 23:50
	2-3km NNE	Recorded	3	Projectile	W to E	N/K	17-Oct, 23:51
	2-3km NNE	Recorded	4	Projectile	W to E	N/K	17-Oct, 23:52
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km W	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 23:35
	3-5km W	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 02:15
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:30
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:31
	1-3km SSE	Recorded	1	Burst	E to W (approximately 50 rounds)	N/K	17-Oct, 18:31
	1-3km SSE	Recorded	3	Projectile	W to E	N/K	17-Oct, 18:32
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:33
	1-3km SSE	Recorded	1	Explosion	Outgoing (subsequent to previous event)	N/K	17-Oct, 18:33
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:33
	2-4km S	Recorded	2	Projectile	In vertical flight	N/K	17-Oct, 18:37
	1-3km SSE	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	17-Oct, 18:38
	1-3km SSE	Recorded	1	Explosion	Outgoing	N/K	17-Oct, 18:38
	2-4km S	Recorded	1	Projectile	In vertical flight	N/K	17-Oct, 18:38

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:41
	2-4km S	Recorded	1	Projectile	W to E	N/K	17-Oct, 18:43
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 18:43
	1-3km SSE	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	17-Oct, 18:46
	1-3km SSE	Recorded	1	Explosion	Outgoing	N/K	17-Oct, 18:46
	1-3km SSE	Recorded	2	Burst	W to E (approximately 50 rounds)	N/K	17-Oct, 18:56
	1-3km SSE	Recorded	1	Projectile	E to W	N/K	17-Oct, 19:02
	1-3km SSE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	17-Oct, 19:02
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:04
	2-3km SSE	Recorded	1	Muzzle flash		N/K	17-Oct, 19:19
	2-3km SSE	Recorded	10	Projectile	W to E	N/K	17-Oct, 19:19
	2-3km SSE	Recorded	1	Muzzle flash		N/K	17-Oct, 19:20
	2-3km SSE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	17-Oct, 19:20
	2-3km SSE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	17-Oct, 19:20
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:25
	2-3km S	Recorded	6	Burst	W to E (approx. 10 projectiles per burst)	N/K	17-Oct, 19:26
	2-3km SSE	Recorded	1	Projectile	NE to SW	N/K	17-Oct, 19:26
	4-6km S	Recorded	4	Burst	W to E	N/K	17-Oct, 19:27
	4-6km S	Recorded	5	Projectile	NNW to SSE	N/K	17-Oct, 19:27
	4-6km SSE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 19:27
	2-3km SSE	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 19:28
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:29
	3-5km S	Recorded	15	Projectile	W to E	N/K	17-Oct, 19:29
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	17-Oct, 19:30
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 19:34
	3-5km S	Recorded	14	Projectile	NW to SE	N/K	17-Oct, 20:05
	3-5km S	Recorded	5	Projectile	NW to SE	N/K	17-Oct, 20:08
	3-5km S	Recorded	14	Projectile	NW to SE	N/K	17-Oct, 20:09
	3-5km S	Recorded	5	Projectile	W to E	N/K	17-Oct, 20:11
	3-5km S	Recorded	7	Projectile	NW to SE	N/K	17-Oct, 20:12
	4-6km S	Recorded	5	Projectile	W to E	N/K	17-Oct, 20:13
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 20:21
	2-4km S	Recorded	1	Explosion	Airburst, subsequent to projectile	N/K	17-Oct, 20:21
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	17-Oct, 20:23
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:31
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:32
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 20:33
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:33
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:35
	4-6km SSW	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 20:36
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:36
	4-6km SSW	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:37
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:43
	4-6km SSE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:43
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:44
	4-6km S	Recorded	6	Projectile	NW to SE	N/K	17-Oct, 21:28
	4-6km S	Recorded	5	Projectile	W to E	N/K	17-Oct, 21:41
	4-6km S	Recorded	2	Projectile	W to E	N/K	17-Oct, 21:42

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km S	Recorded	1	Muzzle flash	Undetermined	N/K	17-Oct, 21:59
	4-6km S	Recorded	1	Projectile	W to E	N/K	17-Oct, 22:35
	4-6km S	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 23:37
	4-6km S	Recorded	1	Projectile	NW to SE	N/K	17-Oct, 23:43
	4-6km S	Recorded	4	Projectile	W to E	N/K	17-Oct, 23:46
	3-5km S	Recorded	1	Projectile	E to W	N/K	18-Oct, 00:01
	3-5km S	Recorded	1	Projectile	W to E	N/K	18-Oct, 00:01
	3-5km S	Recorded	1	Projectile	W to E	N/K	18-Oct, 00:04
	3-5km SSE	Recorded	8	Projectile	In vertical flight	N/K	18-Oct, 00:05
	3-5km SSE	Recorded	3	Projectile	W to E	N/K	18-Oct, 00:05
	3-5km S	Recorded	3	Explosion	Undetermined	N/K	18-Oct, 00:05
	3-5km SSE	Recorded	8	Projectile	In vertical flight	N/K	18-Oct, 00:06
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 00:06
	3-5km S	Recorded	3	Projectile	W to E	N/K	18-Oct, 00:07
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 00:07
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	18-Oct, 00:07
	3-5km S	Recorded	3	Explosion	Undetermined	N/K	18-Oct, 00:08
	3-5km S	Recorded	3	Projectile	W to E	N/K	18-Oct, 00:08
	4-6km S	Recorded	1	Projectile	W to E	N/K	18-Oct, 00:10
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 00:11
	3-5km S	Recorded	1	Projectile	W to E	N/K	18-Oct, 00:11
	3-4km S	Recorded	2	Projectile	W to E	N/K	18-Oct, 00:14
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 00:14
	3-4km S	Recorded	1	Explosion	Undetermined	N/K	18-Oct, 00:15
	2-3km SSE	Recorded	1	Projectile	SE to NW	N/K	18-Oct, 00:23
	3-4km SSE	Recorded	2	Projectile	E to W	N/K	18-Oct, 00:41
	3-4km SSE	Recorded	1	Explosion	In air	N/K	18-Oct, 00:41
	3-4km SSE	Recorded	1	Projectile	NE to SW	N/K	18-Oct, 00:41
	4-6km S	Recorded	4	Projectile	WNW to ESE	N/K	18-Oct, 01:47
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K
2-4km N		Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:30
2-4km N		Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 18:31
2-4km N		Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:31
2-4km N		Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:31
2-4km N		Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:32
2-4km N		Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 18:32
2-4km N		Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:33
2-4km N		Recorded	3	Explosion	Undetermined	N/K	17-Oct, 18:33
2-4km N		Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 18:34
1-2km N		Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:34
2-4km N		Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:34
2-4km N		Recorded	13	Projectile	WNW to ESE	N/K	17-Oct, 18:35
2-4km N		Recorded	7	Explosion	Undetermined	N/K	17-Oct, 18:35
2-4km N		Recorded	10	Projectile	ESE to WNW	N/K	17-Oct, 18:36
2-4km N		Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:36
2-4km N		Recorded	1	Muzzle flash		N/K	17-Oct, 18:36
2-4km N		Recorded	6	Explosion	Undetermined	N/K	17-Oct, 18:36
1-2km NNE		Recorded	14	Projectile	ESE to WNW	N/K	17-Oct, 18:37
2-4km N		Recorded	8	Explosion	Undetermined	N/K	17-Oct, 18:37
2-4km N		Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 18:37
2-4km N		Recorded	6	Explosion	Undetermined	N/K	17-Oct, 18:38
1-2km NNE		Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:38
2-4km N		Recorded	3	Projectile	ESE to WNW	N/K	17-Oct, 18:38
2-4km N		Recorded	10	Projectile	ESE to WNW	N/K	17-Oct, 18:39
2-4km N		Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:39
2-4km N		Recorded	4	Explosion	Undetermined	N/K	17-Oct, 18:40
2-4km N		Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:40
2-4km N		Recorded	4	Explosion	Undetermined	N/K	17-Oct, 18:41

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:41
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:41
	2-4km N	Recorded	4	Projectile	ESE to WNW	N/K	17-Oct, 18:42
	2-4km N	Recorded	4	Projectile	WNW to ESE	N/K	17-Oct, 18:42
	2-4km N	Recorded	4	Projectile	ESE to WNW	N/K	17-Oct, 18:43
	2-4km N	Recorded	6	Projectile	WNW to ESE	N/K	17-Oct, 18:43
	2-4km N	Recorded	3	Projectile	WNW to ESE	N/K	17-Oct, 18:44
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:45
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 18:45
	2-4km N	Recorded	3	Projectile	WNW to ESE	N/K	17-Oct, 18:46
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:46
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:46
	2-4km N	Recorded	2	Projectile	ESE to WNW	N/K	17-Oct, 18:47
	1-2km NNE	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:47
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:47
	2-4km N	Recorded	5	Explosion	Undetermined	N/K	17-Oct, 18:48
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 18:48
	2-4km N	Recorded	2	Projectile	ESE to WNW	N/K	17-Oct, 18:49
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 18:49
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:51
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:52
	2-4km N	Recorded	3	Explosion	Undetermined	N/K	17-Oct, 18:52
	2-4km N	Recorded	3	Projectile	ESE to WNW	N/K	17-Oct, 18:52
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:53
	2-4km N	Recorded	3	Projectile	WNW to ESE	N/K	17-Oct, 18:56
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:57
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 18:58
	2-4km NNE	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 19:00
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 19:02
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:02
	2-4km NE	Recorded	2	Projectile	ESE to WNW	N/K	17-Oct, 19:13
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:14
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 19:19
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	17-Oct, 19:20
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 19:22
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 19:26
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:27
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 19:29
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 19:29
	2-4km NNE	Recorded	3	Projectile	WNW to ESE	N/K	17-Oct, 19:42
	2-4km NE	Recorded	2	Projectile	ESE to WNW	N/K	17-Oct, 19:48
	2-4km N	Recorded	4	Projectile	W to E	N/K	17-Oct, 20:09
	2-4km N	Recorded	5	Projectile	W to E	N/K	17-Oct, 20:12
	1-3km NNE	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 20:12
	1-3km NNE	Recorded	2	Projectile	WNW to ESE	N/K	17-Oct, 20:13
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	17-Oct, 20:28
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:31
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:32
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:33
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	17-Oct, 20:34
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	17-Oct, 20:34
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 20:34
	1-3km NNE	Recorded	1	Projectile	W to E	N/K	17-Oct, 20:52
	1-3km N	Recorded	2	Projectile	ESE to WNW	N/K	17-Oct, 21:06
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 21:06
	2-4km N	Recorded	5	Projectile	WNW to ESE	N/K	17-Oct, 21:28
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	17-Oct, 21:41

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 21:56
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 21:57
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	17-Oct, 22:00
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	17-Oct, 22:03
	2-4km N	Recorded	3	Projectile	SE to NW	N/K	17-Oct, 22:08
	2-4km N	Recorded	2	Projectile	SE to NW	N/K	17-Oct, 22:09
	2-4km N	Recorded	3	Projectile	SE to NW	N/K	17-Oct, 22:10
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	17-Oct, 22:11
	2-4km N	Recorded	1	Projectile	WNW to ESE	N/K	17-Oct, 22:13
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	17-Oct, 22:21
	1-3km N	Recorded	1	Explosion	Airburst	N/K	17-Oct, 22:33
	2-4km N	Recorded	5	Projectile	ESE to WNW	N/K	17-Oct, 22:42
	2-4km N	Recorded	8	Projectile	ESE to WNW	N/K	17-Oct, 22:43
	2-4km N	Recorded	1	Projectile	WSW to ENE	N/K	17-Oct, 23:01
	2-4km N	Recorded	1	Muzzle flash		N/K	17-Oct, 23:02
	2-4km N	Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	17-Oct, 23:02
	2-4km N	Recorded	2	Projectile	WNW to ESE	N/K	18-Oct, 00:12
	2-4km N	Recorded	2	Projectile	WNW to ESE	N/K	18-Oct, 00:14
	2-4km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Oct, 00:34
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-6km NNW	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:38
	2-3km W	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:41
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-5km SSE	Heard	10	Explosion	Undetermined	N/K	18-Oct, 12:48-12:59
	1-1.5km SW	Heard and saw	1	Explosion	Impact	N/K	18-Oct, 13:05
	2-3km W	Heard	1	Explosion	Undetermined	N/K	18-Oct, 13:06
	1-1.5km SW	Heard and saw	1	Explosion	Impact	N/K	18-Oct, 13:07
	2-5km SW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 13:14
	1.5-2.5km SW	Heard	36	Shot		Small arms	18-Oct, 13:32-13:34
	1.5-2.5km SW	Heard	2	Burst		HMG	18-Oct, 13:34
	1.5-2.5km SW	Heard	27	Shot		Small arms	18-Oct, 13:45-13:48
	2-2.5km SW	Heard and saw	1	Explosion	Impact	N/K	18-Oct, 14:48
	1.5-2.5km SW	Heard	37	Shot		Small arms	18-Oct, 14:53
	2-2.5km SW	Heard and saw	1	Explosion	Impact	N/K	18-Oct, 14:56
	Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	3-4km ENE	Heard	5	Explosion	Undetermined	N/K
	1-2km NW	Heard	5	Shot		Small arms	18-Oct, 11:15-11:23
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	3-4km W	Heard	2	Burst		HMG	18-Oct, 10:45
About 6km WNW of the Donetsk city centre (non-government-controlled)	1-2km NW	Heard	63	Shot		Small arms	18-Oct, 13:30-13:40
	1-2km NW	Heard	3	Burst		HMG	18-Oct, 13:30-13:40
	1km NW	Heard	4	Burst		Small arms	18-Oct, 13:39
	3km N	Heard	1	Explosion	Undetermined	N/K	18-Oct, 14:48
	3-4km NNE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 15:00
	4-5km N	Heard	1	Explosion	Undetermined	N/K	18-Oct, 15:03
About 1.8km SSE of Marinka (government-controlled, 23km SW of Donetsk)	2-3km NNE	Heard	6	Shot		Small arms	18-Oct, 11:10

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Pervomaiske (government-controlled, 17km NW of Donetsk)	1-2km N	Heard	107	Shot		Small arms	18-Oct, 10:40-10:55
	1-2km N	Heard	77	Burst		Small arms	18-Oct, 10:40-10:55
	2-3km E	Heard	21	Shot		Small arms	18-Oct, 10:47-10:51
	2-3km E	Heard	11	Burst		Small arms	18-Oct, 10:47-10:51
	3-5km E	Heard	3	Explosion	Undetermined	N/K	18-Oct, 11:03
	4-6km E	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:07
N edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km NE	Heard	3	Explosion	Undetermined	N/K	18-Oct, 10:20
	2-3km NE	Heard	1	Burst		HMG	18-Oct, 10:25
	3-5km S	Heard	5	Explosion	Undetermined	N/K	18-Oct, 11:08-11:11
	800m NNE	Heard	3	Burst		Small arms	18-Oct, 11:30
	2km W	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:40
	1km SSE	Heard	1	Shot		Small arms	18-Oct, 12:06
	3-5km SSE	Heard	5	Explosion	Undetermined	N/K	18-Oct, 12:29-12:33
	1km SSE	Heard	2	Shot		Small arms	18-Oct, 12:36
	2km SE	Heard	24	Burst		HMG	18-Oct, 12:40-12:43
	2km SE	Heard	17	Shot		Small arms	18-Oct, 12:40-12:43
About 1.8km N of Petrivske (non- government-controlled, 41km S of Donetsk)	2-3km SSE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Oct, 13:00-13:02
	2-3km SSE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	18-Oct, 13:02
	2-3km SSE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Oct, 13:17
	10-15km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Oct, 13:28
	10-15km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Oct, 14:29
2km NE of Chernenko (government-controlled, 86km S of Donetsk)	2-3km SE	Heard	10	Burst		HMG	18-Oct, 09:30-09:33
	2km E	Heard	5	Shot		Small arms	18-Oct, 09:37
	3km SE	Heard	5	Burst		HMG	18-Oct, 09:40-09:47
	1.5km E	Heard	4	Burst		Small arms	18-Oct, 09:40-09:47
	2km E	Heard	1	Shot		Small arms	18-Oct, 09:40-09:47
	2-3km SE	Heard	3	Burst		HMG	18-Oct, 09:52-09:56
	3km SE	Heard	10	Explosion	Undetermined	N/K	18-Oct, 09:58-10:10
	3km SE	Heard	60	Shot		AGL	18-Oct, 09:58-10:10
	3km SE	Heard	50	Burst		HMG	18-Oct, 09:58-10:10
	3km SE	Heard	100	Shot		Small arms	18-Oct, 09:58-10:10
	3km NE	Heard	6	Explosion	Outgoing	N/K	18-Oct, 10:11-10:15
	6-7km SE	Heard	6	Explosion	Impact	N/K	18-Oct, 10:11-10:15
	5km NE	Heard	5	Explosion	Undetermined	N/K	18-Oct, 10:11-10:15
	3km SE	Heard	5	Explosion	Impact	N/K	18-Oct, 10:11-10:15
	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 10:32
	8-10km NNE	Heard	18	Explosion	Undetermined	N/K	18-Oct, 10:42-10:49
	8-10km NNE	Heard	13	Explosion	Undetermined	N/K	18-Oct, 10:51-10:57
	3km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 10:51-10:57
	8-10km NNE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 10:58
	3km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:10-11:15
3km SE	Heard	1	Burst		Small arms	18-Oct, 11:10-11:15	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:20
	8-10km NNE	Heard	17	Explosion	Undetermined	N/K	18-Oct, 11:36-11:46
	8-10km NNE	Heard	9	Explosion	Undetermined	N/K	18-Oct, 11:50-12:00
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	3-5km N	Heard	25	Shot		Small arms	18-Oct, 09:57-10:08
	3-5km N	Heard	1	Explosion	Undetermined	N/K	18-Oct, 09:57-10:08
	3-5km N	Heard	10	Explosion	Undetermined	N/K	18-Oct, 10:09-10:13
	3-5km N	Heard		Shot	Uncountable	Small arms	18-Oct, 10:09-10:13
	3km NW	Heard	3	Explosion	Undetermined	N/K	18-Oct, 12:40-12:50
	3km NW	Heard	3	Explosion	Undetermined	N/K	18-Oct, 12:55-13:05
	3km NE	Heard	3	Explosion	Impact	N/K	18-Oct, 12:55-13:05
	5km NW	Heard	3	Explosion	Undetermined	N/K	18-Oct, 13:07-13:10
	3km NE	Heard	3	Explosion	Undetermined	N/K	18-Oct, 13:07-13:10
	2km NNE	Heard	1	Burst		HMG	18-Oct, 13:07
About 1km NE of Talakivka (government-controlled, 90km S of Donetsk)	1-3km E	Heard	56	Explosion	Undetermined	N/K	18-Oct, 09:55
	1-3km E	Heard	49	Shot		Small arms	18-Oct, 09:55
W of Pyshchevyk (government-controlled, 84km S of Donetsk)	3-4km NE	Heard	5	Explosion	Undetermined	N/K	18-Oct, 10:10-10:15
About 1km NNW of Pyshchevyk (government-controlled, 84km S of Donetsk)	N/K NNE	Heard	6	Explosion	Undetermined	N/K	18-Oct, 10:57-11:03
	N/K NNE	Heard	1	Burst		HMG	18-Oct, 11:09
	N/K NNE	Heard	10	Explosion	Undetermined	N/K	18-Oct, 11:36-11:46
About 2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	5-7km ESE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	18-Oct, 13:02
	5-7km ESE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	18-Oct, 13:20
About 2.6km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	3-4km NE	Heard	7	Explosion	Undetermined	N/K	18-Oct, 13:32-13:45
	N/K E	Heard	1	Explosion	Undetermined	N/K	18-Oct, 13:32-13:45
	N/K E	Heard	1	Burst		Small arms	18-Oct, 13:32-13:45
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km W	Heard	4	Burst		HMG	17-Oct, 19:51-19:53
	5-6km W	Heard	4	Explosion	Undetermined	N/K	17-Oct, 19:55-19:57
	4-5km W	Heard	9	Burst		HMG	17-Oct, 19:58
	3-4km WNW	Heard	8	Burst		HMG	17-Oct, 20:43
	4-5km WNW	Heard	3	Explosion	Undetermined	N/K	17-Oct, 20:53-20:55
	4-5km WSW	Heard	4	Explosion	Undetermined	N/K	17-Oct, 21:06-21:07
	3-4km WSW	Heard	20	Burst		HMG	17-Oct, 21:07-21:08
	3-4km SW	Heard	4	Burst		HMG	17-Oct, 21:10-21:13
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	17-Oct, 21:10-21:13
	5-6km WSW	Heard	3	Explosion	Undetermined	N/K	17-Oct, 21:44
	5-6km SSW	Heard	4	Explosion	Undetermined	N/K	17-Oct, 23:19
N of Horlivka (non-government-controlled, 39 km NE of Donetsk)	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 10:40
About 5km NE of Horlivka (non-government controlled,	1-2km SW	Heard	2	Burst		Cannon 30mm	18-Oct, 09:58
	2-3km NW	Heard	3	Burst		HMG	18-Oct, 10:49

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
39km NE of Donetsk)							
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km S	Heard	1	Explosion	Undetermined	N/K	17-Oct, 21:16
	2-3km S	Heard	4	Burst		HMG	17-Oct, 21:19-21:24
	2-3km SE	Heard	4	Burst		Small arms	17-Oct, 22:38-22:40
	2-3km SE	Heard	3	Burst		Small arms	17-Oct, 22:52
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	17-Oct, 23:35
	2-3km SE	Heard	7	Burst		Small arms	17-Oct, 23:45-23:55
W edge of Zalizne (government-controlled, 42km NE of Donetsk)	5-6km SSE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 09:57
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 10:39
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:43
	5-6km SSE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 12:25
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 13:06
About 500m NE of Kamianka (government- controlled, 20km N of Donetsk)	5-6km SE	Heard	1	Explosion	Undetermined	N/K	18-Oct, 09:05
	2-3km SE	Heard	1	Burst		Small arms	18-Oct, 09:30
	2-3km E	Heard	1	Burst		HMG	18-Oct, 10:20
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	18-Oct, 11:05
Krasnohorivka (government-controlled, 24km N of Donetsk)	2-3km SE	Heard	2	Explosion	Undetermined	N/K	18-Oct, 11:42
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	1	Projectile	NE to SW (assessed as outside the disengagement area)	N/K	17-Oct, 22:04
N edge of Popasna (government-controlled, 69km W of Luhansk)	6-8km SE	Heard	26	Explosion	Undetermined	N/K	17-Oct, 22:00-22:25
	6-8km SE	Heard	25	Burst		Small arms	17-Oct, 22:00-22:25
S edge of Popasna (government-controlled, 69km W of Luhansk)	3-6km ESE	Heard	29	Shot		BMP-2 cannon (30mm)	18-Oct, 11:00-11:30
	3-6km ESE	Heard	8	Shot and Burst		HMG	18-Oct, 11:00-11:30
	3-6km ESE	Heard	6	Shot		Small arms	18-Oct, 11:00-11:30
Kadiivka (formerly Stakhanov, non- government-controlled, 50km W of Luhansk)	10-12km W	Heard	8	Explosion	Undetermined	N/K	17-Oct, 22:35-22:40
	5-6km W	Heard	4	Burst		HMG	17-Oct, 22:35-22:40
	10-12km W	Heard	4	Explosion	Undetermined	N/K	17-Oct, 23:16-23:18
N edge of Pervomaisk (non-government- controlled, 58km W of Luhansk)	1-1.5km E	Heard	4	Burst	Assessed as outside the Zolote disengagement area	Small arms	18-Oct, 11:00
	4-6km SW	Heard	76	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Oct, 11:05-11:19
	4-6km SW	Heard	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Oct, 12:15
	4-6km SW	Heard	1	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Oct, 12:24
NE of Katerynivka (government-controlled, 64km W of Luhansk)	3-5km SSW	Heard	40	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Oct, 11:30-11:45
	3-5km SSW	Heard	3	Burst	Assessed as outside the Zolote disengagement area	Small arms	18-Oct, 11:30-11:45
	3-5km SSW	Heard	3	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	18-Oct, 12:16-12:24
S edge of Kalynove (non-government-	2-3km NW	Heard	30	Shot		Small arms	18-Oct, 11:10-11:17
	2-3km	Heard	26	Shot		Small arms	18-Oct, 11:34-11:43

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
controlled, 60km W of Luhansk)	WNW						
	4-6km W	Heard	1	Explosion	Undetermined	N/K	18-Oct, 11:44-11:45
N edge of Smile (non-government-controlled, 31km NW of Luhansk)	300m SW	Heard	1	Shot		Small arms	18-Oct, 13:17
Stanytsia Luhanska Bridge (15km NE of Luhansk)	2-3km ESE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	18-Oct, 14:11