

Table of ceasefire violations as of 30 September 2018¹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
400m NW of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	3-5km W	Heard	2	Explosion	Undetermined	N/K	29-Sep, 09:56-10:08
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 10:31-10:34
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 09:45
	2-3km W	Heard	8	Explosion	Undetermined	N/K	29-Sep, 09:54-09:57
	2-3km W	Heard	2	Explosion	Undetermined	N/K	29-Sep, 10:12
	2-3km W	Heard	5	Explosion	Undetermined	N/K	29-Sep, 10:41-10:43
1.1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	1	Shot		Small arms	29-Sep, 09:16
	2km SSW	Heard	1	Shot		Small arms	29-Sep, 09:42
	2km SSW	Heard	1	Burst		Small arms	29-Sep, 09:42
	2km SW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 10:00
	1-2km SSW	Heard	1	Shot		Small arms	29-Sep, 10:35
	2km SW	Heard	8	Shot		Small arms	29-Sep, 10:36
	1-2km SSW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 10:40-10:41
	1-2km SSW	Heard	4	Shot		Small arms	29-Sep, 10:40-10:41
	1-2km SSW	Heard	9	Shot		Small arms	29-Sep, 10:45
	2km SW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 10:50
	2km SW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 10:51
	2-3km SW	Heard	17	Shot		Small arms	29-Sep, 11:08-11:10
	2-3km SW	Heard	10	Shot		Small arms	29-Sep, 11:15-11:18
	2km SW	Heard	8	Explosion	Undetermined	N/K	29-Sep, 12:57-13:01
	2km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 13:03-13:12
	2km W	Heard	34	Burst		HMG	29-Sep, 13:03-13:12
	2km W	Heard	20	Shot		Small arms	29-Sep, 13:03-13:12
	2km W	Heard	8	Shot		Small arms	29-Sep, 13:12
	2-3km SW	Heard	11	Explosion	Undetermined	N/K	29-Sep, 13:20-13:27
	2km W	Heard	1	Shot		Small arms	29-Sep, 13:20-13:27
	2km W	Heard	9	Shot		Small arms	29-Sep, 13:30-13:42
	2km W	Heard	9	Shot		Small arms	29-Sep, 13:30-13:42
2-3km NW	Heard	20	Shot		Small arms	29-Sep, 14:05-14:14	
2-3km NW	Heard	1	Burst		Small arms	29-Sep, 14:05-14:14	
2-3km NW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 14:15	

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.

Bulavynske (non-government-controlled, 48km NE of Donetsk)	5-7km WNW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 13:50
Lebedynske (government-controlled, 16km NE of Mariupol)	2km NNE	Heard	4	Burst	Undetermined	Small arms	29-Sep, 12:25
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SW	Heard	4	Burst		HMG	28-Sep, 20:35
	2-3km SW	Heard	10	Burst		HMG	28-Sep, 20:48
	2-3km SW	Heard	6	Burst		HMG	28-Sep, 20:50
	4-6km S	Heard	2	Explosion	Undetermined	N/K	28-Sep, 21:49-21:50
	2-3km SW	Heard	2	Burst		HMG	28-Sep, 21:59
	4-6km S	Heard	4	Explosion	Undetermined	N/K	28-Sep, 22:00-22:02
	3-5km S	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:06
	2-3km SW	Heard	2	Burst		HMG	28-Sep, 22:07
	3-4km S	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:09
	2-4km SW	Heard	4	Burst		HMG	28-Sep, 22:12-22:14
	3-5km S	Heard	5	Burst		HMG	28-Sep, 22:19-22:20
	3-5km S	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:25
	2-3km S	Heard	1	Explosion	Undetermined	N/K	28-Sep, 22:28
	4-6km S	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:28
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:33
	2-4km SW	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:35
	3-5km S	Heard	6	Explosion	Undetermined	N/K	28-Sep, 22:36-22:38
	2-3km S	Heard	4	Explosion	Undetermined	N/K	28-Sep, 22:47
	2-3km SW	Heard	8	Burst		HMG	28-Sep, 22:48
	3-5km S	Heard	3	Explosion	Undetermined	N/K	28-Sep, 22:50
	3-4km S	Heard	2	Burst		HMG	28-Sep, 22:57
	3-4km S	Heard	2	Burst		HMG	28-Sep, 23:00
	2-3km SW	Heard	4	Burst		HMG	28-Sep, 23:04
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	28-Sep, 23:09
	3-4km S	Heard	4	Explosion	Undetermined	N/K	28-Sep, 23:10
	2-4km SE	Heard	4	Burst		Small arms	28-Sep, 23:15
	5-7km SW	Heard	4	Explosion	Undetermined	N/K	28-Sep, 23:42-23:47
	2-4km S	Heard	5	Burst		Small arms	28-Sep, 23:49
	3-5km S	Heard	3	Explosion	Undetermined	N/K	28-Sep, 23:50
	3-5km SE	Heard	5	Burst		HMG	28-Sep, 23:52
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:52
	4-6km SE	Heard	4	Explosion	Undetermined	N/K	29-Sep, 16:34
	3-5km ESE	Heard	17	Explosion	Undetermined	N/K	29-Sep, 17:50-17:52
3-5km ESE	Heard	13	Explosion	Undetermined	N/K	29-Sep, 17:55-18:00	
3-5km SE	Heard	11	Burst		HMG	29-Sep, 18:02-18:05	
3-5km ESE	Heard	36	Explosion	Undetermined	N/K	29-Sep, 18:15-18:18	
2km WSW of Zalizne (government-controlled, 42km north-east of Donetsk)	2-3km S	Heard	1	Explosion	Undetermined	N/K	29-Sep, 10:08
	5-6km S	Heard	1	Explosion	Undetermined	N/K	29-Sep, 11:52
	5-6km S	Heard	2	Explosion	Undetermined	N/K	29-Sep, 12:05

NW edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	1-2km NW	Heard	5	Burst		Small arms	29-Sep, 11:26
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-4km SSE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 21:38
	3-4km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 21:44
	3-4km SSE	Recorded	5	Projectile	SW to NE	N/K	28-Sep, 21:44
	3-4km SE	Recorded	1	Muzzle flash	SW to NE	N/K	28-Sep, 21:48
	3-4km SE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 21:48
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km ESE	Recorded	3	Burst	In vertical flight	N/K	28-Sep, 19:34
	2-4km ESE	Recorded	5	Burst	In vertical flight	N/K	28-Sep, 19:35
	2-4km ESE	Recorded	1	Burst	In vertical flight	N/K	29-Sep, 00:09
	1-3km ESE	Recorded	4	Projectile	N to S	N/K	29-Sep, 00:10
	1-3km ESE	Recorded	2	Projectile	N to S	N/K	29-Sep, 00:12
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 19:37
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:01
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:32
	0.5-1km S	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 20:32
	0.5-1km SSW	Recorded	3	Projectile	W to E	N/K	28-Sep, 20:41
	0.5-1km SSW	Recorded	3	Projectile	W to E	N/K	28-Sep, 20:42
	0.2-0.4km SSW	Recorded	1	Projectile	N to S	N/K	28-Sep, 20:42
	0.5-1km SSW	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 20:42
	0.5-1km S	Recorded	5	Projectile	W to E	N/K	28-Sep, 20:43
	0.5-1km S	Recorded	5	Explosion	Undetermined	N/K	28-Sep, 20:43
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:02
	0.5-1km SSW	Recorded	4	Explosion	Undetermined	N/K	28-Sep, 21:09
	0.5-1km SSE	Recorded	4	Explosion	Undetermined	N/K	28-Sep, 21:09
	0.5-1km SSW	Recorded	7	Explosion	Undetermined	N/K	28-Sep, 21:10
	0.5-1km SSE	Recorded	4	Explosion	Undetermined	N/K	28-Sep, 21:10
	0.5-1km SSW	Recorded	5	Explosion	Undetermined	N/K	28-Sep, 21:11
	0.5-1km SSE	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 21:11
	0.5-1km S	Recorded	6	Explosion	Undetermined	N/K	28-Sep, 21:12
	0.5-1km SSW	Recorded	9	Explosion	Undetermined	N/K	28-Sep, 21:12
	0.5-1km SSE	Recorded	3	Explosion	Undetermined	N/K	28-Sep, 21:12
	0.5-1km S	Recorded	4	Explosion	Undetermined	N/K	28-Sep, 21:13
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:13
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:14
	0.5-1km S	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 21:14
	0.5-1km S	Recorded	6	Explosion	Undetermined	N/K	28-Sep, 21:15
	0.5-1km S	Recorded	5	Explosion	Undetermined	N/K	28-Sep, 21:16
	0.5-1km SSE	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 21:16
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	28-Sep, 22:12
	1-2km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 22:15
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 22:15
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	28-Sep, 22:19
	1-2km SSW	Recorded	4	Projectile	W to E	N/K	28-Sep, 22:26
0.5-1km SSW	Recorded	1	Projectile	NW to SE		29-Sep, 02:36	
0.5-1km SSW	Recorded	1	Explosion	Outgoing	N/K	29-Sep, 02:36	
1-2km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 02:53	
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Donetsk)	1-3km ENE	Recorded	10	Projectile	N to S	N/K	28-Sep, 19:16
	1-3km ENE	Recorded	10	Projectile	N to S	N/K	28-Sep, 19:16
	1-3km E	Recorded	2	Explosion		N/K	28-Sep, 19:21
	1-3km E	Recorded	2	Explosion		N/K	28-Sep, 19:21
	1-3km E	Recorded	2	Projectile	N to S	N/K	28-Sep, 19:27

NE of Mariupol)	1-3km E	Recorded	2	Projectile	N to S	N/K	28-Sep, 19:28
	1-3km E	Recorded	1	Projectile	N to S	N/K	28-Sep, 19:30
	1-3km E	Recorded	2	Projectile	S to N	N/K	28-Sep, 19:31
	1-3km E	Recorded	7	Projectile	S to N	N/K	28-Sep, 19:36
	1-3km ENE	Recorded	10	Projectile	S to N	N/K	28-Sep, 19:44
	1-3km E	Recorded	1	Explosion		N/K	28-Sep, 19:44
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	28-Sep, 19:47
	1-2km ENE	Recorded	3	Projectile	N to S	N/K	28-Sep, 20:12
	1-2km ENE	Recorded	2	Projectile	N to S	N/K	28-Sep, 20:19
	1-2km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:31
	1-2km E	Recorded	1	Projectile	N to S	N/K	28-Sep, 21:03
	1-2km E	Recorded	2	Projectile	N to S	N/K	28-Sep, 21:55
	1-2km E	Recorded	3	Projectile	N to S	N/K	28-Sep, 23:12
	1-2km ENE	Recorded	2	Projectile	N to S	N/K	28-Sep, 23:52
	2-3km ENE	Recorded	2	Muzzle flash		N/K	29-Sep, 01:06
	2-3km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 02:02
	1-2km ENE	Recorded	5	Projectile	N to S	N/K	29-Sep, 02:26
	1-2km ENE	Recorded	4	Projectile	SW to NE	N/K	29-Sep, 02:31
	1-2km ENE	Recorded	4	Projectile	SW to NE	N/K	29-Sep, 02:32
	1-2km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 02:32
1-2km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 02:43	
1-2km ESE	Recorded	1	Illumination flare	N to S	N/K	29-Sep, 03:41	
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 04:15
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	1-3km SSE	Recorded	4	Projectile	NE to SW	N/K	28-Sep, 19:15
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:15
	1-3km SSE	Recorded	2	Projectile	NW to SE	N/K	28-Sep, 19:40
	1-3km SE	Recorded	1	Projectile	ENE to WSW	N/K	28-Sep, 20:07
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	2	Projectile	NNW to SSE	N/K	28-Sep, 21:43
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 23:10
	2-4km NE	Recorded	5	Projectile	WSW to ENE	N/K	29-Sep, 01:23
	2-4km NE	Recorded	5	Projectile	WSW to ENE	N/K	29-Sep, 01:24
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 23:22
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km N	Recorded	1	Projectile	E to W	N/K	28-Sep, 19:39
	2-4km N	Recorded	1	Projectile	E to W	N/K	28-Sep, 19:40
	2-3km NNE	Recorded	12	Projectile	W to E	N/K	28-Sep, 21:17
	2-3km NNE	Recorded	4	Explosion	Undetermined	N/K	28-Sep, 21:17
	2-3km NNE	Recorded	2	Projectile	E to W	N/K	28-Sep, 21:18
	2-3km NNE	Recorded	7	Projectile	W to E	N/K	28-Sep, 21:19
	2-3km NNE	Recorded	8	Projectile	W to E	N/K	28-Sep, 21:25
	2-3km NNE	Recorded	2	Projectile	SSW to NNE	N/K	28-Sep, 21:28
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NNW	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 23:56
SMM camera at	2-4km SSE	Recorded	1	Burst	W to E	N/K	28-Sep, 19:13

entry-exit checkpoint in Pyschchevyk (government-controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 23:10
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 23:15
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	2-3km S	Heard	9	Burst	Assessed as outside the disengagement area	HMG	28-Sep, 21:30-21:32
	2km S	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	29-Sep, 01:12
3km SW of Metalist (non-government-controlled, 7km NW of Luhansk)	1.2km N	Heard	1	Shot		Small arms	29-Sep, 10:03
Trokhizbenka (government-controlled, 32km NW of Luhansk)	2-3km SW	Heard	1	Explosion	Impact	Artillery	29-Sep, 11:48
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-3km SSW	Recorded	3	Projectile	NW to SE	N/K	28-Sep, 19:20
	2-3km SSE	Recorded	7	Projectile	SW to NE	N/K	28-Sep, 20:12
	2-3km SSE	Recorded	4	Projectile	NE to SW	N/K	28-Sep, 20:19
	2-3km SSE	Recorded	6	Projectile	NE to SW	N/K	28-Sep, 20:20
	2-3km SSE	Recorded	3	Projectile	SW to NE	N/K	28-Sep, 20:21
	2-3km SE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:31
	2-3km SE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:19
	2-3km SE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 21:19
	2-3km ESE	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 21:41
	2-3km SE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:45
	2-3km SE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 21:50
	2-3km SE	Recorded	4	Projectile	NE to SW	N/K	28-Sep, 21:52
	2-3km SSE	Recorded	2	Projectile	NE to SW	N/K	28-Sep, 22:33
	2-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 22:51
	2-3km SE	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 23:23
	2-3km SE	Recorded	6	Projectile	SW to NE	N/K	28-Sep, 23:28
	2-3km SE	Recorded	14	Projectile	SW to NE	N/K	28-Sep, 23:32
	2-3km SSE	Recorded	14	Projectile	SW to NE	N/K	28-Sep, 23:36
2-3km SSE	Recorded	12	Projectile	SW to NE	N/K	28-Sep, 23:37	
2-3km SSE	Recorded	4	Projectile	SW to NE	N/K	28-Sep, 23:47	
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km E	Recorded	1	Projectile	In vertical direction;	N/K	28-Sep, 19:51
SMM camera at Prince Ihor Monument SE of Stanytsia Luhanska bridge (15km NE of Luhansk)	1-3km NW	Recorded	1	Projectile	E to W	N/K	28-Sep, 21:29
	1-3km NW	Recorded	1	Explosion		N/K	28-Sep, 21:29
	1-3km WNW	Recorded	4	Projectile	NNE to SSW	N/K	28-Sep, 21:31
	1-3km WNW	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 21:31
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-3km E	Recorded	2	Projectile	S to N (assessed as outside of disengagement area)	N/K	28-Sep, 20:10
	2-3km ESE	Recorded	1	Burst	S to N (assessed as outside of disengagement area)	N/K	28-Sep, 20:12
	2-3km ESE	Recorded	1	Explosion	Assessed as outside of disengagement zone	N/K	28-Sep, 20:12

	2-3km E	Recorded	2	Projectile	N to S (assessed as outside of disengagement area)	N/K	28-Sep, 20:18
2.2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SW	Heard	2	Shot	Assessed as inside of disengagement area	HMG	30-Sep, 10:22
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km NE	Heard	10	Shot		Small arms	30-Sep, 10:05-10:07
	2-3km ESE	Heard	5	Shot		Small arms	30-Sep, 10:52
Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	3-4km WNW	Heard	8	Explosion	Undetermined	N/K	30-Sep, 11:31-11:34
6.5km NW of Donetsk city centre	2km NNE	Heard	4	Burst		HMG	30-Sep, 15:17-15:19
2km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)	N/K SE	Heard	1	Shot		N/K	30-Sep, 11:35
Zernove (non-government-controlled, 70km S of Donetsk)	N/K NW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 12:04
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K NNE	Heard	4	Burst		HMG	30-Sep, 12:59
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-6km S	Heard	1	Explosion	Undetermined	N/K	29-Sep, 20:22
	5-6km S	Heard	2	Explosion	Undetermined	N/K	29-Sep, 20:24
	5-6km S	Heard	1	Explosion	Undetermined	N/K	29-Sep, 20:36
	5-6km S	Heard	3	Explosion	Undetermined	N/K	29-Sep, 20:48-20:49
	3-4km S	Heard	2	Burst		HMG	29-Sep, 20:51
	5-6km S	Heard	1	Explosion	Undetermined	N/K	29-Sep, 20:53
	6-7km S	Heard	4	Explosion	Undetermined	N/K	29-Sep, 20:57-20:59
	6-7km S	Heard	2	Explosion	Undetermined	N/K	29-Sep, 21:02-21:03
	3-4km S	Heard	2	Burst		HMG	29-Sep, 21:02
	5-6km SW	Heard	4	Explosion	Undetermined	N/K	29-Sep, 21:27
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 21:47
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 21:56
	3-4km SW	Heard	2	Burst		HMG	29-Sep, 22:23
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 22:56
	3-4km SW	Heard	3	Burst		HMG	29-Sep, 23:46
	2-4km E	Heard	16	Burst		HMG	30-Sep, 09:30-09:35
2km WSW of Zalizne (government-controlled, 42km NE of Donetsk)	3-4km E	Heard	1	Explosion	Undetermined	N/K	30-Sep, 08:45
1.6km SSE of Kamianka (government-	1-1.5km NNE	Heard	7	Shot		Small arms	30-Sep, 09:47

controlled, 20km N of Donetsk)							
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	3-4km N	Heard	1	Explosion	Undetermined	N/K	30-Sep, 11:30
	3-4km SW	Heard	1	Explosion	Undetermined	Tank	30-Sep, 11:41
	1-2km W	Heard	1	Shot		Small arms	30-Sep, 12:21
	3-4km N	Heard	1	Explosion	Undetermined	N/K	30-Sep, 12:26
	3-4km N	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:08
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km E	Recorded	3	Projectile	SSW to NNE	N/K	30-Sep, 04:24
	2-4km E	Recorded	8	Projectile	SSW to NNE	N/K	30-Sep, 04:34
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	30-Sep, 04:34
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SE	Recorded	1	Projectile	SW to NE	N/K	29-Sep, 18:52
	2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	29-Sep, 19:24
	2-4km SE	Recorded	1	Projectile	SSW to NNE	N/K	29-Sep, 19:31
	2-4km ESE	Recorded	4	Projectile	SSW to NNE	N/K	29-Sep, 19:36
	2-4km ESE	Recorded	14	Projectile	SSW to NNE	N/K	29-Sep, 19:43
	2-4km SE	Recorded	1	Projectile	SSW to NNE	N/K	29-Sep, 19:43
	2-4km SE	Recorded	3	Projectile	NNE to SSW	N/K	29-Sep, 19:46
	2-4km SE	Recorded	12	Projectile	SSW to NNE	N/K	29-Sep, 19:46
	2-4km SE	Recorded	14	Projectile	SSW to NNE	N/K	29-Sep, 19:47
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	29-Sep, 20:15
	2-4km E	Recorded	7	Projectile	S to N	N/K	29-Sep, 20:26
	2-4km E	Recorded	7	Projectile	N to S	N/K	29-Sep, 20:26
	2-4km SE	Recorded	2	Projectile	S to N	N/K	29-Sep, 20:26
	2-4km E	Recorded	11	Projectile	N to S	N/K	29-Sep, 20:33
	2-4km ESE	Recorded	9	Projectile	S to N	N/K	29-Sep, 20:33
	2-4km E	Recorded	3	Projectile	S to N	N/K	29-Sep, 20:36
	2-4km E	Recorded	1	Burst	N to S	N/K	29-Sep, 20:36
	2-4km E	Recorded	1	Burst	N to S	N/K	29-Sep, 20:37
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:38
	2-4km E	Recorded	1	Projectile	N to S	N/K	29-Sep, 20:38
	2-4km E	Recorded	3	Projectile	N to S	N/K	29-Sep, 20:39
	2-4km E	Recorded	2	Projectile	N to S	N/K	29-Sep, 20:40
	2-4km E	Recorded	2	Projectile	N to S	N/K	29-Sep, 20:41
1-3km ESE	Recorded	2	Projectile	NNW to SSE	N/K	29-Sep, 21:51	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-3km SSW	Recorded	8	Projectile	W to E	N/K	29-Sep, 19:55
	2-3km S	Recorded	1	Projectile	W to E	N/K	29-Sep, 20:01
	2-3km SSW	Recorded	1	Illumination flare	W to E	N/K	29-Sep, 20:07
	2-3km SSW	Recorded	2	Explosion	airburst	N/K	29-Sep, 20:07
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 20:18
	2-3km SSW	Recorded	1	Projectile	In vertical flight	Surface-to-air missile	29-Sep, 20:31
	2-3km SSW	Recorded	1	Illumination flare	vertical flight	N/K	29-Sep, 20:48
	2-3km SSW	Recorded	1	Illumination flare	vertical flight	N/K	29-Sep, 20:53
	2-3km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 21:01
	2-4km SSW	Recorded	10	Projectile	W to E	N/K	29-Sep, 21:08
	2-4km SSW	Recorded	1	Projectile	undetermined	N/K	29-Sep, 21:08
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 21:09
	2-4km SSW	Recorded	5	Projectile	W to E	N/K	29-Sep, 21:12
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 21:13
	2-4km SSW	Recorded	7	Projectile	W to E	N/K	29-Sep, 21:37
	2-4km SSW	Recorded	9	Projectile	W to E	N/K	29-Sep, 21:38
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 21:38
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 21:38
	300-700m S	Recorded	1	Projectile	W to E	N/K	29-Sep, 22:33
300-700m SSE	Recorded	2	Explosion	Impact	N/K	29-Sep, 22:33	

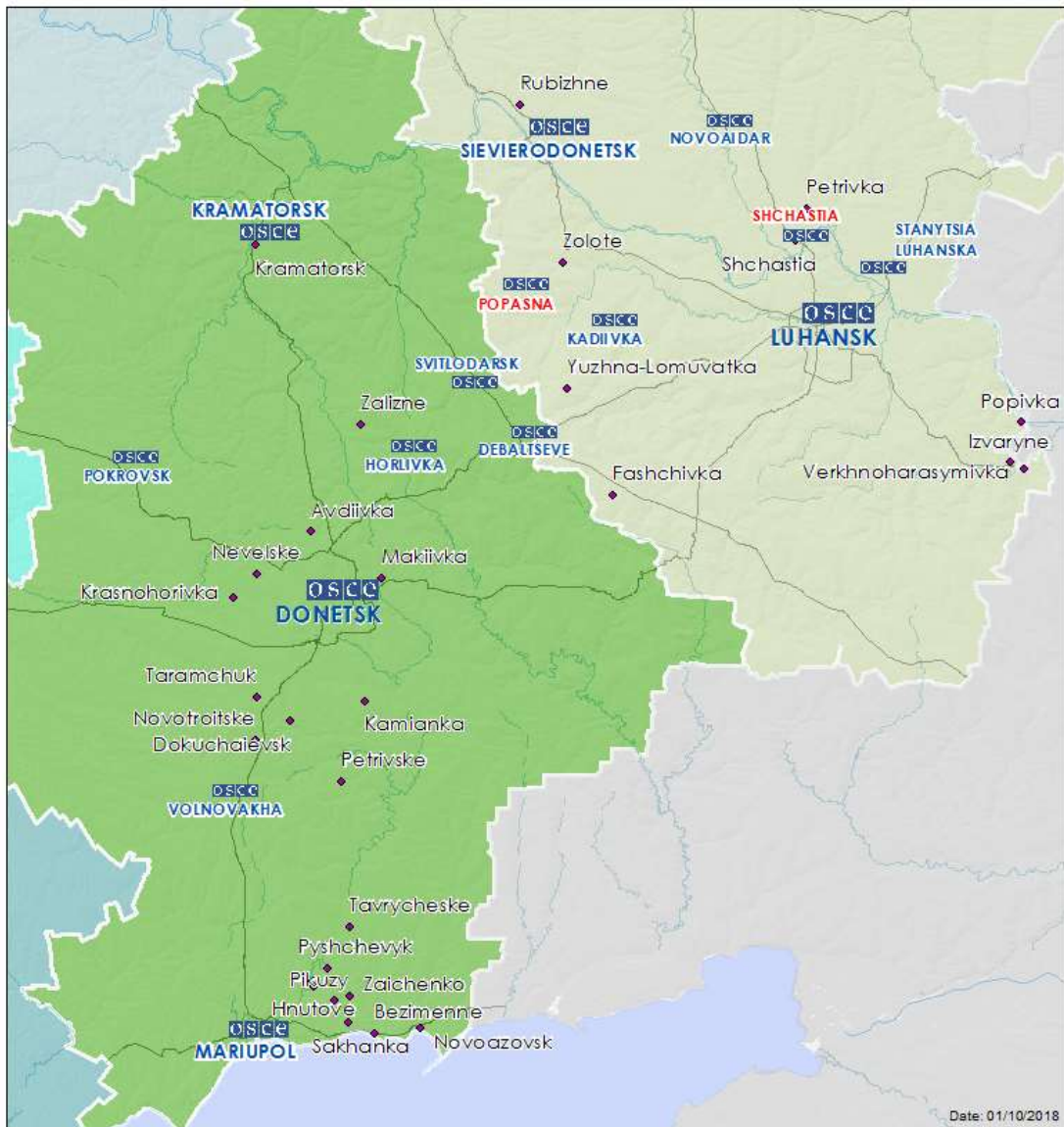
	300-700m S	Recorded	5	Projectile	W to E	N/K	29-Sep, 22:34
	300-700m SSE	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 22:34
	300-700m S	Recorded	14	Projectile	W to E	N/K	29-Sep, 22:35
	300-700m SSE	Recorded	1	Projectile	Undetermined	N/K	29-Sep, 22:35
	300-700m S	Recorded	3	Projectile	W to E	N/K	29-Sep, 22:38
	300-700m SSE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 22:38
	300-700m S	Recorded	6	Projectile	W to E	N/K	29-Sep, 22:39
	300-700m S	Recorded	2	Projectile	W to E	N/K	29-Sep, 22:40
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 22:40
	300-700m SSE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 22:40
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 22:43
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 22:52
	1-2km SSW	Recorded	1	Explosion	Impact	N/K	29-Sep, 23:01
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	29-Sep, 23:03
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:15
	0.5-1km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:16
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:16
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:55
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	30-Sep, 00:00
	1-2km SSW	Recorded	1	Projectile	E to W	N/K	30-Sep, 00:22
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:07
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	30-Sep, 03:35
	2-4km SSW	Recorded	1	Projectile	W to E	N/K	30-Sep, 04:35
SMM camera 1.5km NE of Hnutove (government- controlled, 20km NE of Mariupol)	2-4km E	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:09
	2-4km E	Recorded	2	Projectile	S to N	N/K	29-Sep, 19:13
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:13
	2-4km E	Recorded	6	Projectile	N to S	N/K	29-Sep, 19:13
	2-4km E	Recorded	4	Projectile	N to S	N/K	29-Sep, 19:14
	2-4km E	Recorded	4	Projectile	S to N	N/K	29-Sep, 19:14
	2-4km E	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 19:14
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:16
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:16
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:17
	2-4km E	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 19:17
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:18
	2-4km E	Recorded	3	Projectile	N to S	N/K	29-Sep, 19:19
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:19
	2-4km E	Recorded	1	Projectile	N to S	N/K	29-Sep, 19:20
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:21
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:22
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:23
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 19:23
	2-4km E	Recorded	2	Projectile	S to N	N/K	29-Sep, 19:30
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:31
	2-4km E	Recorded	10	Projectile	N to S	N/K	29-Sep, 19:32
	2-4km E	Recorded	3	Projectile	S to N	N/K	29-Sep, 19:32
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:34
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:35
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	29-Sep, 19:40
	2-4km E	Recorded	11	Projectile	S to N	N/K	29-Sep, 19:51
	2-4km E	Recorded	2	Projectile	S to N	N/K	29-Sep, 19:53
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:03
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:27
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:28
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:29

	2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 20:31
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	29-Sep, 20:31
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:32
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:34
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:40
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 20:55
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	29-Sep, 21:34
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 21:50
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 22:50
	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 23:19
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Sep, 23:38
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	30-Sep, 00:36
	2-4km E	Recorded	8	Projectile	S to N	N/K	30-Sep, 00:36
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	30-Sep, 00:37
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	30-Sep, 00:38
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	30-Sep, 00:38
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	30-Sep, 01:25
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	30-Sep, 01:26
	2-4km E	Recorded	1	Projectile	S to N	N/K	30-Sep, 01:26
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	30-Sep, 02:15
	2-4km ENE	Recorded	4	Projectile	S to N	N/K	30-Sep, 02:15
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	30-Sep, 02:16
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	30-Sep, 03:10
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	30-Sep, 03:17
	2-4km ESE	Recorded	7	Projectile	N to S	N/K	30-Sep, 04:33
	2-4km E	Recorded	16	Projectile	N to S	N/K	30-Sep, 05:22
	2-4km ENE	Recorded	12	Projectile	N to S	N/K	30-Sep, 05:24
	2-4km E	Recorded	10	Projectile	N to S	N/K	30-Sep, 05:26
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 05:32
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 05:33
	2-4km ENE	Recorded	5	Projectile	S to N	N/K	30-Sep, 05:35
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:30
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	29-Sep, 20:53
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 00:02
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	4	Explosion	Undetermined	N/K	29-Sep, 19:37
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Explosion	Airburst	N/K	29-Sep, 21:49
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	5	Projectile	E to W	N/K	29-Sep, 23:46
	2-4km NNE	Recorded	11	Projectile	W to E	N/K	29-Sep, 23:58
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 00:23
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	30-Sep, 01:16
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	30-Sep, 02:35

SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km ENE	Recorded	1	Muzzle flash		N/K	29-Sep, 19:02
	2-4km NE	Recorded	1	Projectile	ESE to WNW	N/K	30-Sep, 04:52
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	2-4km NNE	Recorded	2	Projectile	In vertical flight	N/K	29-Sep, 18:42
	2-4km N	Recorded	2	Burst	In vertical flight	N/K	29-Sep, 18:42
	2-4km NNE	Recorded	5	Projectile	In vertical flight	N/K	29-Sep, 18:43
	2-4km NE	Recorded	2	Projectile	In vertical flight	N/K	29-Sep, 18:43
	2-4km NNE	Recorded	5	Explosion	Undetermined	N/K	29-Sep, 18:44
	2-4km N	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 18:45
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 18:46
	2-4km NE	Recorded	9	Projectile	W to E	N/K	29-Sep, 18:46
	2-4km NE	Recorded	3	Burst	W to E	N/K	29-Sep, 18:46
	2-4km N	Recorded	5	Explosion	Undetermined	N/K	29-Sep, 18:48
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:52
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km NE	Recorded	1	Explosion	Outgoing	N/K	29-Sep, 18:52
	1-3km E	Recorded	2	Projectile	SW to NE	N/K	29-Sep, 19:29
	1-3km E	Recorded	7	Projectile	S to N	N/K	29-Sep, 19:45
	1-3km E	Recorded	1	Burst	S to N	N/K	29-Sep, 19:48
	1-3km E	Recorded	5	Projectile	S to N	N/K	29-Sep, 19:50
	1-2km E	Recorded	2	Projectile	NNW to SSE	N/K	29-Sep, 21:36
	1-2km E	Recorded	1	Explosion	Impact	N/K	29-Sep, 21:36
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	29-Sep, 21:43
	2-4km ESE	Recorded	1	Projectile	SE to NW	N/K	29-Sep, 21:47
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 21:56
	2-4km ESE	Recorded	1	Projectile	SE to NW	N/K	29-Sep, 21:56
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Sep, 21:56
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	29-Sep, 21:57
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 22:07
	2-4km E	Recorded	1	Burst	NW to SE	N/K	29-Sep, 22:13
	2-4km E	Recorded	7	Projectile	SE to NW	N/K	29-Sep, 22:21
	2-4km E	Recorded	9	Projectile	NW to SE	N/K	29-Sep, 22:22
	2-4km E	Recorded	1	Explosion	Airburst	N/K	29-Sep, 22:22
300-700m E	Recorded	4	Projectile	SW to NE	N/K	29-Sep, 22:44	
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	5-7km S	Heard	17	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Sep, 23:14-23:35
	3-4km SSE	Heard	7	Shot	Assessed as outside the disengagement area	Small arms	30-Sep, 17:18
	3-4km SSE	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	30-Sep, 17:18
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	29-Sep, 19:37
	3-5km SSW	Recorded	3	Projectile	WNW to ESE	N/K	29-Sep, 19:38
	3-5km SSW	Recorded	4	Explosion	Undetermined	N/K	29-Sep, 19:38
	3-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	29-Sep, 19:40
	3-5km SSW	Recorded	1	Projectile	WNW to ESE	N/K	29-Sep, 19:57
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 21:53
	2-4km SW	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 21:53
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 21:54
	2-4km SW	Recorded	4	Explosion	Undetermined	N/K	29-Sep, 21:54
	2-4km SW	Recorded	1	Projectile	WNW to ESE	N/K	29-Sep, 22:02
	1-3km SW	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 23:28

	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:28
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:29
	1-3km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 23:35
	2-4km SSW	Recorded	5	Projectile	WNW to ESE	N/K	30-Sep, 00:03
	2-4km SW	Recorded	2	Burst	WNW to ESE	N/K	30-Sep, 00:04
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	30-Sep, 00:06
	2-4km SSW	Recorded	1	Projectile	ESE to WNW	N/K	30-Sep, 00:06
	2-4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	30-Sep, 00:20
	2-4km SSW	Recorded	2	Projectile	WNW to ESE	N/K	30-Sep, 00:44
	2-4km SSW	Recorded	2	Projectile	ESE to WNW	N/K	30-Sep, 01:17
	2-4km SSW	Recorded	2	Projectile	NNW to SSE	N/K	30-Sep, 01:32
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km E	Recorded	2	Projectile	S to N	N/K	29-Sep, 21:04

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).