

**Table of ceasefire violations as of 1 September 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Aug, 20:43
	1-3km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 04:01
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	31-Aug, 04:07
	2-3km SSW	Recorded	2	Explosion	Undetermined	N/K	31-Aug, 04:08
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Explosion	Airburst	N/K	31-Aug, 04:28
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	1	Projectile	In vertical flight	N/K	30-Aug, 20:18
	1-3km ENE	Recorded	1	Projectile	In vertical flight	N/K	30-Aug, 20:19
	1-3km ENE	Recorded	8	Projectile	N to S	N/K	30-Aug, 20:22
	1-3km ENE	Recorded	14	Projectile	N to S	N/K	30-Aug, 20:23
	1-3km E	Recorded	7	Projectile	N to S	N/K	30-Aug, 20:24
	1-3km ENE	Recorded	3	Projectile	N to S	N/K	31-Aug, 00:41
	1-3km ENE	Recorded	6	Projectile	N to S	N/K	31-Aug, 02:01
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	30-Aug, 20:13
	3-5km S	Recorded	1	Projectile	N to S	N/K	30-Aug, 20:15
	3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	30-Aug, 20:15
	2-4km S	Recorded	2	Projectile	N to S	N/K	30-Aug, 21:33
	3-5km S	Recorded	7	Projectile	N to S	N/K	30-Aug, 21:37
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	30-Aug, 21:47
	2-4km S	Recorded	12	Projectile	WNW to ESE	N/K	30-Aug, 21:58
	2-4km S	Recorded	16	Projectile	N to S	N/K	30-Aug, 21:58
	2-4km S	Recorded	18	Projectile	NNW to SSE	N/K	30-Aug, 22:00
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	30-Aug, 22:02
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	30-Aug, 22:03
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	30-Aug, 22:03
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	30-Aug, 23:32
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	30-Aug, 23:33
	2-3km S	Recorded	21	Projectile	ENE to WSW	N/K	31-Aug, 00:34
	2-3km S	Recorded	7	Projectile	NE to SW	N/K	31-Aug, 01:18
	2-3km S	Recorded	5	Projectile	NE to SW	N/K	31-Aug, 01:50
	2-4km S	Recorded	2	Projectile	NE to SW	N/K	31-Aug, 02:45
	3-5km S	Recorded	1	Illumination flare	In vertical flight	N/K	31-Aug, 03:00
	2-3km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 04:32

<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.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km ESE	Recorded	2	Projectile	SSW to NNE	N/K	30-Aug, 20:47
	4-5km ESE	Recorded	1	Explosion	Out going	N/K	30-Aug, 22:36
	4-5km ESE	Recorded	1	Explosion	Out going	N/K	30-Aug, 22:39
	4-5km ESE	Recorded	1	Explosion	Out going	N/K	30-Aug, 22:42
	5-7km ESE	Recorded	7	Projectile	N to S	N/K	30-Aug, 23:40
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1km ESE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 10:00
	1km ESE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 10:50
About 800m ESE of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	31-Aug, 10:51
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	3-5km NNW	Heard	1	Explosion	Undetermined	N/K	31-Aug, 11:41
Marinka (government-controlled, 23km SW of Donetsk)	1-2km NE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 12:01
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km NW	Heard	2	Burst		Cannon (30mm)	31-Aug, 12:29
	2-3km NW	Heard	2	Burst	Out going	Cannon (30mm)	31-Aug, 12:30
	2-3km NW	Heard	2	Burst	Out going	Cannon (30mm)	31-Aug, 12:31
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WSW	Heard	3	Shot		Small arms	31-Aug, 13:21
	2-3km W	Heard	4	Shot		Small arms	31-Aug, 13:25-13:30
	2-3km W	Heard	15	Shot		Small arms	31-Aug, 13:31-13:35
	2-3km WSW	Heard	2	Burst		Small arms	31-Aug, 13:31-13:35
	2-3km WSW	Heard	5	Shot		Small arms	31-Aug, 13:40-13:41
	2-3km W	Heard	2	Burst		Small arms	31-Aug, 13:41
	2-3km WSW	Heard	31	Shot		Small arms	31-Aug, 13:42-13:46
	2-3km WSW	Heard	5	Burst		Small arms	31-Aug, 13:42-13:46
	1.5-2.5km SW	Heard	11	Shot		Small arms	31-Aug, 13:47-13:50
	1.5-2.5km WSW	Heard	2	Shot		Small arms	31-Aug, 13:53-13:59

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
2km SW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K SE	Heard	2	Explosion	Undetermined	N/K	31-Aug, 10:55
	N/K ENE	Heard	2	Explosion	Undetermined	N/K	31-Aug, 13:34
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km SE	Heard	4	Explosion	Undetermined	N/K	31-Aug, 04:00-04:02
	4-5km S	Heard	1	Explosion	Undetermined	N/K	31-Aug, 04:05
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	31-Aug, 05:20-05:21
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	31-Aug, 05:25
	4-5km E	Heard	4	Explosion	Undetermined	N/K	31-Aug, 06:06-06:07
	3-4km E	Heard	6	Burst		HMG	31-Aug, 06:07-06:08
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	31-Aug, 06:09-06:10
	3-4km SE	Heard	8	Burst		HMG	31-Aug, 06:12-06:15
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 06:20
	3-4km E	Heard	4	Burst		HMG	31-Aug, 06:25-06:26
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km SE	Heard	2	Explosion	Undetermined	N/K	30-Aug, 19:40-19:41
	5-7km SE	Heard	14	Explosion	Undetermined	N/K	30-Aug, 22:13-22:17
	3-5km SW	Heard	4	Explosion	Undetermined	N/K	30-Aug, 22:32
	3-5km SW	Heard	6	Explosion	Undetermined	N/K	30-Aug, 22:36
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	30-Aug, 22:39
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	30-Aug, 22:42
	6-8km SW	Heard	10	Explosion	Undetermined	N/K	31-Aug, 17:54-18:00
6-8km SW	Heard	1	Explosion	Undetermined	N/K	31-Aug, 18:21	
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	1-2km E	Heard	1	Shot		Small arms	31-Aug, 09:15
	1-2km E	Heard	1	Shot		Small arms	31-Aug, 09:57
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-3km SE	Recorded	1	Illumination flare	In vertical flight (assessed as inside the disengagement area)	N/K	31-Aug, 01:28
Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1km N	Heard	11	Shot	Undetermined	Small arms	31-Aug, 11:13-11:24
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	1-Sep, 02:37

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SSE	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:30
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	31-Aug, 22:35
	2-4km S	Recorded	5	Projectile	NW to SE	N/K	31-Aug, 22:37
	1-3km SSE	Recorded	30	Projectile	NW to SE	N/K	31-Aug, 23:47
	1-2km SSE	Recorded	2	Projectile	WSW to ENE	N/K	1-Sep, 00:05
	1-3km S	Recorded	1	Projectile	NW to SE	N/K	1-Sep, 00:21
	1-3km S	Recorded	4	Projectile	NW to SE	N/K	1-Sep, 00:22
	1-3km SE	Recorded	1	Muzzle flash		N/K	1-Sep, 01:00
	1-3km SE	Recorded	1	Projectile	WNW to ESE	N/K	1-Sep, 01:00
	1-3km SSE	Recorded	6	Projectile	WNW to ESE	N/K	1-Sep, 01:09
	1-3km SSE	Recorded	3	Projectile	WNW to ESE	N/K	1-Sep, 01:14
	1-3km SSE	Recorded	1	Projectile	NW to SE	N/K	1-Sep, 01:14
	2-4km SSE	Recorded	1	Projectile	WNW to ESE	N/K	1-Sep, 02:26
	1-2km SSE	Recorded	10	Projectile	WNW to ESE	N/K	1-Sep, 02:27
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-3km SSW	Recorded	2	Explosion	Undetermined	N/K	31-Aug, 21:05
	4-6km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:29
	0.5-1km S	Recorded	2	Explosion	Undetermined	N/K	31-Aug, 21:58
	0.5-1km SSW	Recorded	1	Muzzle flash		N/K	31-Aug, 22:05
	300-500m SSW	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:25
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	1-Sep, 01:37
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-3km SSW	Recorded	22	Projectile	NW to SE	N/K	1-Sep, 01:41
	2-4km ENE	Recorded	2	Explosion	Undetermined	N/K	31-Aug, 21:58
	2-4km ENE	Recorded	6	Projectile	N to S	N/K	31-Aug, 21:59
	2-4km ENE	Recorded	14	Projectile	N to S	N/K	31-Aug, 22:01
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	31-Aug, 22:03
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	2	Projectile	N to S	N/K	31-Aug, 22:16
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	31-Aug, 22:22
	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 20:08
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:27
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	3-5km ENE	Recorded	1	Projectile	SSW to NNE	N/K	31-Aug, 22:06
	5-7km ENE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 22:27
	5-7km ENE	Recorded	1	Projectile	WNW to ESE	N/K	31-Aug, 22:50
	5-7km ENE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 22:50
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:54
	1-3km E	Recorded	5	Projectile	N to S	N/K	31-Aug, 22:58
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km ENE	Recorded	10	Projectile	N to S	N/K	1-Sep, 02:07
	1-3km ENE	Recorded	7	Projectile	S to N	N/K	1-Sep, 02:17
	2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 00:01
	2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 00:05
	2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 00:14
2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 01:01	
2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 01:08	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	2-3km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 01:15
	3-4km NNE	Recorded	5	Projectile	E to W	N/K	1-Sep, 02:12
	6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 19:45
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 19:49
	6-8km S	Recorded	7	Projectile	W to E	N/K	31-Aug, 19:50
	6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 19:51
	6-8km S	Recorded	3	Projectile	W to E	N/K	31-Aug, 19:52
	6-8km S	Recorded	5	Projectile	W to E	N/K	31-Aug, 20:01
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 20:09
	6-8km S	Recorded	3	Projectile	W to E	N/K	31-Aug, 20:10
	6-8km S	Recorded	4	Projectile	W to E	N/K	31-Aug, 20:11
	6-8km S	Recorded	8	Projectile	W to E	N/K	31-Aug, 20:13
	6-8km S	Recorded	2	Muzzle flash		N/K	31-Aug, 20:13
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 20:14
	6-8km S	Recorded	3	Projectile	W to E	N/K	31-Aug, 20:15
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:01
	6-8km S	Recorded	1	Projectile	E to W	N/K	31-Aug, 22:03
	6-8km S	Recorded	1	Explosion	Impact	N/K	31-Aug, 22:03
	6-8km S	Recorded	3	Projectile	E to W	N/K	31-Aug, 21:08
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:08
	6-8km S	Recorded	1	Projectile	WNW to ESE	N/K	31-Aug, 21:08
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:27
	6-8km S	Recorded	8	Projectile	NW to SE	N/K	31-Aug, 22:18
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:18
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:19
	6-8km S	Recorded	7	Projectile	NW to SE	N/K	31-Aug, 22:20
	6-8km S	Recorded	12	Projectile	NW to SE	N/K	31-Aug, 22:21
	6-8km S	Recorded	1	Projectile	E to W	N/K	31-Aug, 22:21
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:23
	6-8km S	Recorded	1	Projectile	In vertical flight	N/K	31-Aug, 22:24
	6-8km S	Recorded	17	Projectile	NW to SE	N/K	31-Aug, 22:25
	6-8km S	Recorded	1	Projectile	In vertical flight	N/K	31-Aug, 22:25
	6-8km S	Recorded	9	Projectile	NW to SE	N/K	31-Aug, 22:26
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:27
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:28
	6-8km S	Recorded	2	Projectile	NW to SE	N/K	31-Aug, 22:28
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:29
	6-8km S	Recorded	8	Projectile	W to E	N/K	31-Aug, 22:30
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:32
	6-8km S	Recorded	3	Projectile	WNW to ESE	N/K	31-Aug, 22:32
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:33
	6-8km S	Recorded	3	Projectile	W to E	N/K	31-Aug, 22:33
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:34
	6-8km S	Recorded	5	Projectile	NW to SE	N/K	31-Aug, 22:34
	6-8km S	Recorded	7	Projectile	W to E	N/K	31-Aug, 22:35
	6-8km S	Recorded	4	Projectile	NW to SE	N/K	31-Aug, 22:35
	6-8km S	Recorded	4	Projectile	NW to SE	N/K	31-Aug, 22:36
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 22:36
	6-8km S	Recorded	32	Projectile	NW to SE	N/K	31-Aug, 22:37
	6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 22:37
6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 22:38	
6-8km S	Recorded	6	Projectile	W to E	N/K	31-Aug, 22:40	
6-8km S	Recorded	3	Projectile	W to E	N/K	31-Aug, 22:43	
6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:43	
6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 22:47	

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	6-8km S	Recorded	2	Projectile	NNW to SSE	N/K	31-Aug, 22:51
	6-8km S	Recorded	5	Projectile	E to W	N/K	31-Aug, 22:51
	6-8km S	Recorded	9	Projectile	W to E	N/K	31-Aug, 22:51
	6-8km S	Recorded	6	Projectile	W to E	N/K	31-Aug, 22:52
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 22:53
	6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 22:53
	6-8km S	Recorded	10	Projectile	W to E	N/K	31-Aug, 22:54
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 22:54
	6-8km S	Recorded	4	Explosion	Undetermined	N/K	31-Aug, 22:55
	6-8km S	Recorded	2	Projectile	NW to SE	N/K	31-Aug, 23:02
	6-8km S	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 23:02
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 23:02
	6-8km S	Recorded	1	Projectile	W to E	N/K	31-Aug, 23:12
	6-8km S	Recorded	1	Projectile	WNW to ESE	N/K	31-Aug, 23:12
	6-8km S	Recorded	2	Burst	W to E	N/K	31-Aug, 23:12
	6-8km S	Recorded	2	Projectile	W to E	N/K	31-Aug, 23:25
	6-8km S	Recorded	3	Projectile	E to W	N/K	31-Aug, 23:31
	6-8km S	Recorded	1	Projectile	WNW to ESE	N/K	31-Aug, 23:41
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	31-Aug, 23:59
	6-8km S	Recorded	1	Explosion	Impact	N/K	1-Sep, 00:00
	6-8km S	Recorded	1	Projectile	W to E	N/K	1-Sep, 00:12
	6-8km S	Recorded	5	Projectile	W to E	N/K	1-Sep, 00:01
	6-8km S	Recorded	1	Projectile	NW to SE	N/K	1-Sep, 00:01
	6-8km S	Recorded	1	Projectile	E to W	N/K	1-Sep, 01:08
	6-8km S	Recorded	5	Projectile	E to W	N/K	1-Sep, 03:53
	6-8km S	Recorded	2	Projectile	WNW to ESE	N/K	1-Sep, 04:12
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km ESE	Recorded	1	Projectile	In vertical flight	N/K	31-Aug, 21:11
	2-3km ESE	Recorded	3	Projectile	In vertical flight	N/K	31-Aug, 21:12
	2-3km E	Recorded	2	Muzzle flash		N/K	31-Aug, 21:13
	2-3km ESE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 21:13
	2-3km E	Recorded	1	Projectile	N to S	N/K	31-Aug, 21:15
	2-3km E	Recorded	1	Muzzle flash		N/K	31-Aug, 21:16
	2-3km E	Recorded	1	Muzzle flash		N/K	31-Aug, 21:20
	2-3km ESE	Recorded	2	Explosion	Undetermined	N/K	31-Aug, 21:21
	2-3km ESE	Recorded	4	Projectile	In vertical flight	N/K	31-Aug, 21:56
	2-3km ESE	Recorded	1	Explosion	Undetermined	N/K	31-Aug, 22:04
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km SW	Heard	2	Shot		Small arms	1-Sep, 09:18
	2km SW	Heard	7	Shot		Small arms	1-Sep, 09:36-09:38
Pikuzy (formerly Kominternove, non-government-controlled, 23km NE of Mariupol)	30m SW	Heard and saw	1	Explosion	Impact	N/K	1-Sep, 12:20
3km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	N/K SW	Heard	3	Explosion	Undetermined	N/K	1-Sep, 12:40
	N/K SW	Heard	2	Explosion	Undetermined	N/K	1-Sep, 12:45
	N/K SW	Heard	5	Explosion	Undetermined	N/K	1-Sep, 12:46

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km S	Heard	4	Explosion	Undetermined	N/K	31-Aug, 21:15-21:18
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 21:20
	4-6km S	Heard	6	Explosion	Undetermined	N/K	31-Aug, 21:21-21:25
	4-6km SE	Heard	4	Explosion	Undetermined	N/K	31-Aug, 21:27-21:31
	5-7km S	Heard	2	Explosion	Undetermined	N/K	31-Aug, 22:04-22:06
	4-6km SW	Heard	4	Burst		HMG	31-Aug, 22:51
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	31-Aug, 23:43
	3-4km SE	Heard	5	Explosion	Undetermined	N/K	1-Sep, 10:21-10:24
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	1-Sep, 11:13
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	1-Sep, 11:25
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	1-Sep, 11:29
	5-6km NW	Heard	4	Explosion	Undetermined	N/K	1-Sep, 11:31
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	1-Sep, 11:30-11:34
	2-3km SE	Heard	3	Burst		HMG	1-Sep, 11:30-11:34
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	1-Sep, 11:34
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	1-Sep, 11:39-11:44
	2-3km SE	Heard	3	Shot		Small arms	1-Sep, 11:39-11:44
	4-5km S	Heard	8	Explosion	Undetermined	N/K	1-Sep, 14:00-14:04
	4-5km S	Heard	9	Explosion	Undetermined	N/K	1-Sep, 14:12-14:20
	2km S	Heard	1	Shot		Small arms	1-Sep, 14:23
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km NW	Heard	15	Explosion	Undetermined	N/K	1-Sep, 05:50-05:55
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km ESE	Recorded	4	Explosion	Airburst	N/K	1-Sep, 01:51
	2-4km ESE	Recorded	3	Explosion	Airburst	N/K	1-Sep, 01:52
	2-4km ESE	Recorded	4	Explosion	Airburst	N/K	1-Sep, 01:57
	2-4km ESE	Recorded	8	Explosion	Airburst	N/K	1-Sep, 01:58
	2-4km ESE	Recorded	4	Explosion	Airburst	N/K	1-Sep, 01:59
	2-4km ESE	Recorded	3	Explosion	Airburst	N/K	1-Sep, 02:00
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	1-Sep, 02:09
	2-4km ESE	Recorded	1	Explosion	Airburst	N/K	1-Sep, 02:09
	2-4km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 03:03
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	1-Sep, 03:03
3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	1-Sep, 03:04	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-3km E	Recorded	3	Projectile	WNW to ESE	N/K	31-Aug, 22:47
	4-5km SE	Recorded	1	Illumination flare	In vertical flight	N/K	1-Sep, 01:39

<b>SMM position</b>	<b>Event location</b>	<b>Means</b>	<b>No.</b>	<b>Observation</b>	<b>Description</b>	<b>Weapon</b>	<b>Date, time</b>
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Heard	32	Burst		HMG	1-Sep, 01:51-02:31
	4-6km ESE	Heard	80	Shot and burst		Small arms	1-Sep, 01:51-02:31
	4-6km ESE	Heard	12	Explosion	Undetermined	N/K	1-Sep, 01:51-02:31
E edge of Stanytsia Luhanska (16km NE of Luhansk)	2km NE	Heard	1	Shot		Small arms	1-Sep, 17:20