

**Table of ceasefire violations as of 4 October 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:46	
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 21:24	
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Oct, 22:35	
	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	3-Oct, 22:41	
	2-4km SE	Recorded	1	Projectile	W to E	N/K	3-Oct, 22:45	
	2-4km SE	Recorded	1	Projectile	W to E	N/K	3-Oct, 22:47	
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:47	
	2-4km SE	Recorded	1	Projectile	W to E	N/K	3-Oct, 22:48	
	2-4km SE	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 22:50	
	2-4km SE	Recorded	1	Muzzle flash		N/K	3-Oct, 23:51	
	2-4km SE	Recorded	1	Muzzle flash		N/K	3-Oct, 23:55	
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	4-Oct, 00:03	
	3-5km SE	Recorded	7	Projectile	WSW to ENE	N/K	4-Oct, 00:54	
	3-5km SE	Recorded	2	Projectile	WSW to ENE	N/K	4-Oct, 00:55	
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	4-Oct, 00:57	
	3-5km SE	Recorded	6	Projectile	WSW to ENE	N/K	4-Oct, 00:58	
	3-5km SE	Recorded	6	Projectile	WSW to ENE	N/K	4-Oct, 00:59	
	SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SW	Recorded	1	Projectile	W to E	N/K	3-Oct, 19:37
		1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	3-Oct, 20:12
		1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:33
		1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:33
		1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:34
1-2km SSW		Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:34	
1-2km SSW		Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:44	
1-2km SSW		Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:45	
0.5-1km SSW		Recorded	1	Projectile	ESE to WNW	N/K	3-Oct, 20:54	
1-2km SSW		Recorded	1	Illumination flare	In vertical flight	N/K	3-Oct, 23:28	
0.5-1km S	Recorded	1	Projectile	E to W	N/K	4-Oct, 04:23		
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 18:50	
	2-4km ENE	Recorded	5	Projectile	N to S	N/K	3-Oct, 21:36	
	2-4km E	Recorded	17	Projectile	N to S	N/K	3-Oct, 21:44	
	2-4km E	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:46	
	2-4km E	Recorded	5	Projectile	N to S	N/K	3-Oct, 21:48	
	2-4km E	Recorded	5	Projectile	N to S	N/K	3-Oct, 21:49	
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	3-Oct, 21:54	
	2-4km ENE	Recorded	4	Projectile	N to S	N/K	3-Oct, 22:15	
	2-4km E	Recorded	15	Projectile	N to S	N/K	3-Oct, 22:43	
	2-4km E	Recorded	2	Projectile	N to S	N/K	3-Oct, 22:44	
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	3-Oct, 23:03	
	2-4km E	Recorded	1	Burst	S to N	N/K	4-Oct, 01:18	
	2-4km E	Recorded	10	Projectile	N to S	N/K	4-Oct, 01:19	
	2-4km E	Recorded	1	Projectile	S to N	N/K	4-Oct, 01:19	
	2-4km E	Recorded	7	Projectile	S to N	N/K	4-Oct, 02:09	
	2-4km ESE	Recorded	3	Projectile	SSW to NNE	N/K	4-Oct, 02:19	
	2-4km E	Recorded	1	Muzzle flash		N/K	4-Oct, 02:19	
2-4km E	Recorded	5	Projectile	SSW to NNE	N/K	4-Oct, 02:43		
SMM camera in Hranitne (government-controlled,	2-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 20:23	

<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.

60km S of Donetsk)							
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	3-4km SSE	Recorded	2	Projectile	NE to SW	N/K	3-Oct, 19:28
	3-4km SSE	Recorded	1	Projectile	NW to SE	N/K	3-Oct, 19:43
	1-3km SE	Recorded	1	Projectile	In vertical flight	N/K	3-Oct, 20:57
	1-2km SSE	Recorded	1	Projectile	ENE to WSW	N/K	3-Oct, 21:47
	1-2km SE	Recorded	1	Projectile	ENE to WSW	N/K	3-Oct, 21:52
	1-2km SE	Recorded	6	Projectile	NW to SE	N/K	3-Oct, 22:06
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-3km SW	Recorded	3	Explosion	Undetermined	N/K	3-Oct, 19:05
	2-3km SW	Recorded	7	Projectile	NW to SE	N/K	3-Oct, 19:05
	2-3km SW	Recorded	17	Projectile	WNW to ESE	N/K	3-Oct, 19:07
	2-3km SW	Recorded	6	Projectile	WNW to ESE	N/K	3-Oct, 19:08
	2-3km SW	Recorded	3	Projectile	ESE to WNW	N/K	3-Oct, 19:10
	2-3km SW	Recorded	6	Projectile	WNW to ESE	N/K	3-Oct, 19:15
	2-3km SW	Recorded	1	Muzzle flash		N/K	3-Oct, 19:15
	2-3km SW	Recorded	7	Projectile	WNW to ESE	N/K	3-Oct, 19:41
	2-3km SW	Recorded	1	Muzzle flash		N/K	3-Oct, 19:42
	2-3km SW	Recorded	5	Projectile	WNW to ESE	N/K	3-Oct, 19:50
	2-3km SW	Recorded	2	Projectile	WNW to ESE	N/K	3-Oct, 19:50
	3-5km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 19:55
	3-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	3-Oct, 19:56
	3-5km SSW	Recorded	1	Burst	WNW to ESE	N/K	3-Oct, 19:56
	4-5km SW	Recorded	1	Projectile	NE to SW	N/K	3-Oct, 20:23
	4-5km SSW	Recorded	3	Muzzle flash		N/K	3-Oct, 20:36
	4-5km SSW	Recorded	1	Projectile	NW to SE	N/K	3-Oct, 20:37
	4-5km SW	Recorded	2	Projectile	SSE to NNW	N/K	3-Oct, 20:45
	4-5km SW	Recorded	2	Muzzle flash		N/K	3-Oct, 20:45
	4-5km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:51
	4-5km SSW	Recorded	11	Projectile	WNW to ESE	N/K	3-Oct, 20:51
	4-5km SSW	Recorded	4	Muzzle flash		N/K	3-Oct, 20:52
	4-5km SW	Recorded	5	Muzzle flash		N/K	3-Oct, 20:52
	4-5km SSW	Recorded	3	Projectile	WNW to ESE	N/K	3-Oct, 20:52
	4-5km SW	Recorded	8	Projectile	WNW to ESE	N/K	3-Oct, 20:53
	4-5km SSW	Recorded	17	Projectile	SSE to NNW	N/K	3-Oct, 20:53
	4-5km SSW	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:53
	4-5km S	Recorded	1	Projectile	WNW to ESE	N/K	3-Oct, 20:54
	4-5km SW	Recorded	4	Projectile	ESE to WNW	N/K	3-Oct, 20:54
	4-5km S	Recorded	1	Projectile	ESE to WNW	N/K	3-Oct, 21:04
	4-5km S	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 21:04
	4-5km SSW	Recorded	1	Projectile	ESE to WNW	N/K	3-Oct, 21:10
1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:15	
4-5km SSW	Recorded	1	Projectile	NW to SE	N/K	3-Oct, 21:16	
4-5km SSW	Recorded	1	Projectile	ESE to WNW	N/K	3-Oct, 21:17	
4-5km SSW	Recorded	1	Burst	WNW to ESE	N/K	3-Oct, 21:26	
4-5km SSW	Recorded	2	Projectile	WNW to ESE	N/K	3-Oct, 21:27	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-2km NNE	Recorded	2	Explosion	Undetermined	N/K	3-Oct, 20:19
	1-2km NNE	Recorded	4	Projectile	ESE to WNW	N/K	3-Oct, 20:25
	1-2km NNE	Recorded	5	Projectile	W to E	N/K	3-Oct, 21:03
	1-2km NNE	Recorded	15	Projectile	W to E	N/K	3-Oct, 21:04
	1-2km NNE	Recorded	3	Projectile	E to W	N/K	3-Oct, 21:05
	1-2km N	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 21:05
	1-2km NNE	Recorded	3	Projectile	W to E	N/K	3-Oct, 21:06
	1-2km NNE	Recorded	1	Projectile	E to W	N/K	3-Oct, 21:10
	1-2km NNE	Recorded	4	Explosion	Undetermined	N/K	3-Oct, 21:42
	1-2km NNE	Recorded	1	Projectile	W to E	N/K	3-Oct, 21:45
	1-2km NNE	Recorded	1	Projectile	E to W	N/K	3-Oct, 21:45
	1-2km NNE	Recorded	2	Projectile	E to W	N/K	3-Oct, 21:52
	1-2km NNE	Recorded	2	Projectile	E to W	N/K	3-Oct, 22:02
	1-2km N	Recorded	1	Projectile	In vertical flight	N/K	4-Oct, 00:19
SMM camera at entry-exit checkpoint in Pyshchevyk	3-5km S	Recorded	1	Explosion	Airburst	N/K	3-Oct, 19:52
	2-4km SSE	Recorded	1	Burst	W to E	N/K	3-Oct, 19:55
	2-4km SSE	Recorded	7	Projectile	In vertical flight	N/K	3-Oct, 20:05
	2-4km SSE	Recorded	3	Projectile	In vertical flight	N/K	3-Oct, 20:49

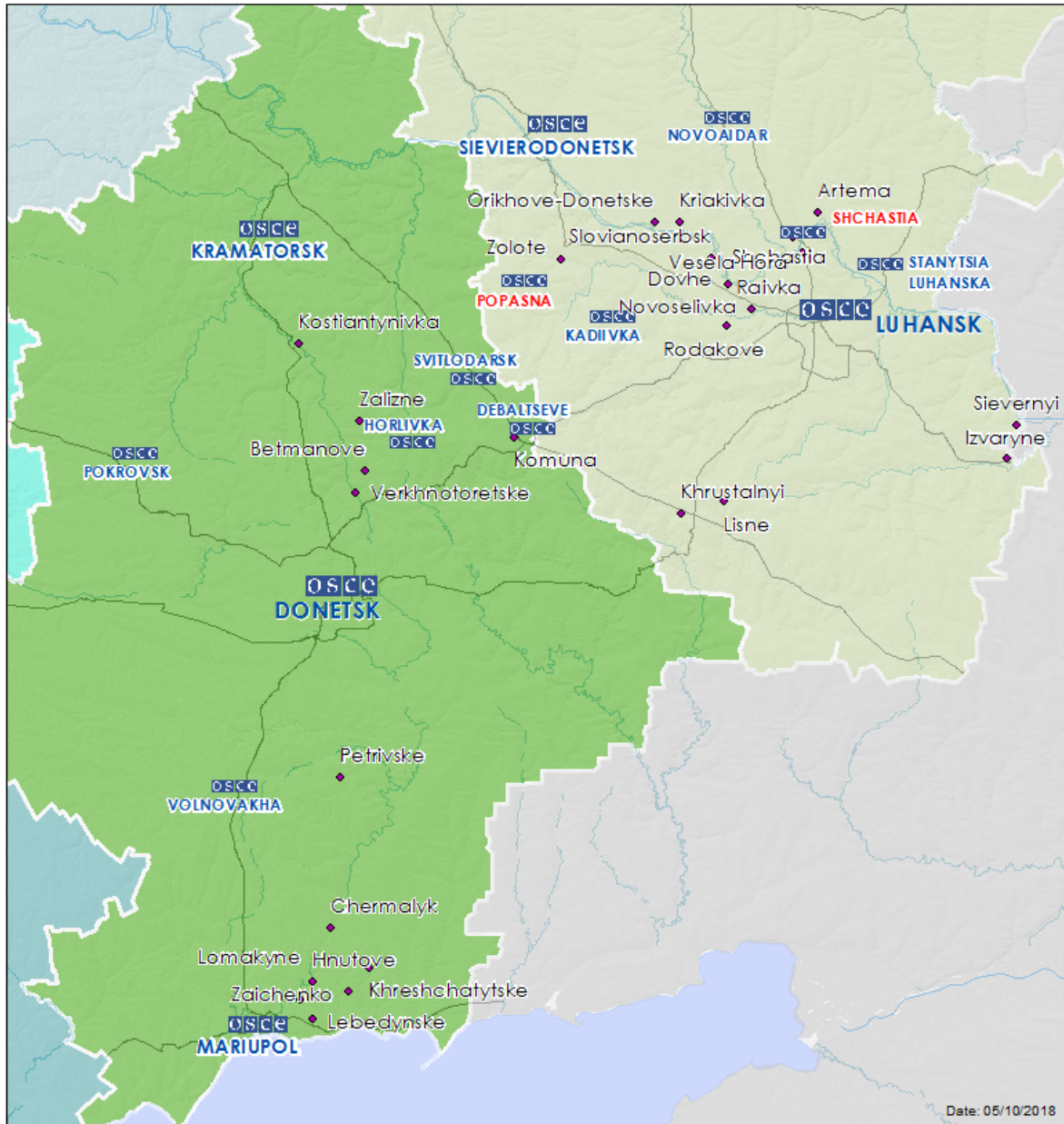
(government-controlled, 25km NE of Mariupol)	2-4km SSE	Recorded	4	Projectile	E to W	N/K	3-Oct, 21:36
	2-4km S	Recorded	4	Projectile	E to W	N/K	3-Oct, 21:45
	2-4km S	Recorded	2	Projectile	E to W	N/K	3-Oct, 23:01
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km E	Recorded	2	Projectile	S to N	N/K	3-Oct, 21:56
	3-4km ENE	Recorded	12	Projectile	N to S	N/K	3-Oct, 22:15
	3-4km E	Recorded	1	Projectile	S to N	N/K	3-Oct, 22:15
	3-4km ENE	Recorded	7	Projectile	N to S	N/K	3-Oct, 22:16
	3-4km E	Recorded	5	Projectile	S to N	N/K	3-Oct, 22:16
	3-4km E	Recorded	2	Projectile	S to N	N/K	3-Oct, 22:20
	3-4km E	Recorded	1	Burst	S to N	N/K	3-Oct, 22:20
	3-4km E	Recorded	1	Projectile	N to S	N/K	3-Oct, 22:23
	3-4km E	Recorded	1	Burst	S to N	N/K	3-Oct, 22:23
	3-4km E	Recorded	1	Projectile	S to N	N/K	3-Oct, 22:24
	3-4km E	Recorded	1	Burst	N to S	N/K	3-Oct, 22:25
	3-4km E	Recorded	1	Burst	S to N	N/K	3-Oct, 22:25
	3-4km E	Recorded	7	Projectile	N to S	N/K	3-Oct, 22:28
	3-4km E	Recorded	4	Projectile	S to N	N/K	3-Oct, 22:28
	3-4km E	Recorded	15	Projectile	N to S	N/K	3-Oct, 22:29
	3-4km E	Recorded	4	Projectile	S to N	N/K	3-Oct, 22:29
	3-4km E	Recorded	7	Projectile	S to N	N/K	3-Oct, 22:30
	3-4km E	Recorded	1	Projectile	N to S	N/K	3-Oct, 22:30
	3-4km E	Recorded	1	Explosion	Undetermined	N/K	3-Oct, 22:32
	3-4km E	Recorded	2	Projectile	S to N	N/K	3-Oct, 23:42
	3-4km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 02:44
	3-4km E	Recorded	1	Projectile	S to N	N/K	4-Oct, 02:44
	3-4km E	Recorded	5	Projectile	N to S	N/K	4-Oct, 02:46
	3-4km E	Recorded	1	Projectile	N to S	N/K	4-Oct, 02:47
	3-4km E	Recorded	6	Projectile	N to S	N/K	4-Oct, 02:49
	3-4km E	Recorded	1	Projectile	S to N	N/K	4-Oct, 02:54
	3-4km E	Recorded	1	Burst	N to S	N/K	4-Oct, 02:55
	3-4km E	Recorded	1	Projectile	S to N	N/K	4-Oct, 02:57
	3-4km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 03:15
	3-4km E	Recorded	4	Projectile	S to N	N/K	4-Oct, 03:15
	3-4km E	Recorded	4	Projectile	S to N	N/K	4-Oct, 03:16
	3-4km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 03:16
	3-4km E	Recorded	1	Burst	S to N	N/K	4-Oct, 03:16
	3-4km E	Recorded	6	Projectile	N to S	N/K	4-Oct, 03:17
	3-4km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 03:20
	3-4km E	Recorded	4	Projectile	S to N	N/K	4-Oct, 03:20
3-4km E	Recorded	4	Projectile	S to N	N/K	4-Oct, 03:21	
3-4km E	Recorded	3	Projectile	N to S	N/K	4-Oct, 03:21	
3-4km E	Recorded	2	Projectile	N to S	N/K	4-Oct, 03:22	
3-4km E	Recorded	3	Projectile	S to N	N/K	4-Oct, 03:22	
3-4km E	Recorded	1	Explosion	Undetermined	N/K	4-Oct, 03:23	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	3-Oct, 20:27
	1-2km E	Recorded	1	Muzzle flash	Assessed as outside the disengagement area	N/K	3-Oct, 20:27
	1-2km E	Recorded	1	Explosion	Impact (assessed as outside the disengagement area)	N/K	3-Oct, 20:27
1.5 km WNW Yasynuvata (non-government controlled 16km NE of Donetsk)	1km NNW	Heard	1	Shot		Small arms	4-Oct, 08:46

2.5 km NW Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km N	Heard	8	Burst		HMG	4-Oct, 09:44
	2km N	Heard	1	Explosion	Undetermined	N/K	4-Oct, 09:44
4km WSW Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1.5km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:43
	1km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:00
1.1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	8	Shot		Small arms	4-Oct, 09:38
	1-2km NW	Heard	4	Burst		Small arms	4-Oct, 09:43
	1-2km NW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:07
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:43
	2-4km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 11:00
	1-3km NW	Heard	4	Burst		Small arms	4-Oct, 14:39
	1-3km NW	Heard	5	Shot		Small arms	4-Oct, 14:39
	1-3km NW	Heard	2	Explosion	Undetermined	N/K	4-Oct, 14:39
	1-3km NW	Heard	20	Burst		HMG	4-Oct, 14:40-14:42
1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)	N/K SSE	Heard	10	Burst	Undetermined	HMG	4-Oct, 10:40
1.1 km SSW of Lebedynske (government-controlled, 16km NE of Mariupol)	2-3km NE	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:40
	2-3km NE	Heard	1	Burst	Undetermined	Other	4-Oct, 10:40
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km W	Heard	1	Explosion	Undetermined	N/K	3-Oct, 18:47
	5-7km W	Heard	1	Explosion	Undetermined	N/K	3-Oct, 18:50
	3-4km SW	Heard	8	Burst		HMG	3-Oct, 21:06-21:09
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	3-Oct, 21:12
	4-5km SSW	Heard	4	Explosion	Undetermined	N/K	3-Oct, 21:26-21:28
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	4-Oct, 15:45
	7-8km SSW	Heard	11	Explosion	Undetermined	N/K	4-Oct, 16:24-16:30
Verkhnotoretske (government-controlled, 23km NE of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 10:40
NW edge of Horlivka (non-government controlled,	0.5-1km NW	Heard	4	Explosion	Undetermined	N/K	4-Oct, 12:04
	0.5-1km NW	Heard	5	Burst		Small arms	4-Oct, 12:04

39km NE of Donetsk)	0.5-1km N	Heard	4	Explosion	Undetermined	N/K	4-Oct, 12:07-12:11
	0.5-1km N	Heard	3	Burst		HMG	4-Oct, 12:07-12:11
	0.5-1km N	Heard	6	Burst		Small arms	4-Oct, 12:07-12:11
	1km N	Heard	2	Explosion	Undetermined	N/K	4-Oct, 12:12-12:15
	1km N	Heard	2	Burst		HMG	4-Oct, 12:12-12:15
	1km N	Heard	2	Burst		Small arms	4-Oct, 12:12-12:15
	0.5-1km NW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 14:19
	0.5-1km NW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 15:00
1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)	0.6-0.8km S	Heard	3	Shot		Small arms	4-Oct, 10:06
	5-7km S	Heard	2	Explosion	Undetermined	N/K	4-Oct, 10:12
E edge of Popasna (government-controlled, 69km W of Luhansk)	1km S	Heard	1	Shot		Small arms	4-Oct, 10:04-10:05
N edge of Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	5-7km NNW	Heard	15	Burst		HMG	4-Oct, 10:19-10:25
	5-7km NNW	Heard	20	Explosion	Undetermined	N/K	4-Oct, 10:19-10:25
Zolote-5/Mykhailivka (non-government-controlled, 58km NW of Luhansk)	800m N	Heard	10	Shot		Small arms	4-Oct, 11:20
	800m N	Heard	2	Shot		Small arms	4-Oct, 11:32
S edge of Stanytsia Luhanska bridge (non-government-controlled, 15km NE of Luhansk)	1-3km NNW	Heard	2	Explosion	Impact (assessed as outside the disengagement area)	N/K	4-Oct, 11:50-12:03
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	3-4km SSW	Heard	1	Explosion	Impact (assessed as inside the disengagement area)	N/K	4-Oct, 11:50
	3-4km SSW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	4-Oct, 12:04
	1-2km SSW	Heard	1	Explosion	Impact (assessed as outside the disengagement area)	NK	4-Oct, 17:55

					area)		
SW edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	5-7km NNW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 12:31
1.5km NE of Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SSW	Heard	11	Shot		Small arms	4-Oct, 13:05-13:11
	2-4km SSW	Heard	4	Burst		HMG	4-Oct, 13:05-13:11
	2-4km SSW	Heard	1	Explosion	Undetermined	N/K	4-Oct, 13:05-13:11

### 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).