

**Table of ceasefire violations as of 30 June 2019<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	28-Jun, 22:54
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	3-5km SSE	Recorded	1	Muzzle flash		N/K	28-Jun, 21:21
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 21:21
	3-5km SSE	Recorded	8	Projectile	ENE to WSW	N/K	28-Jun, 21:21
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 21:30
	3-5km SSE	Recorded	3	Projectile	ENE to WSW	N/K	28-Jun, 21:30
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 21:40
	3-5km SSE	Recorded	2	Explosion	Undetermined	N/K	28-Jun, 21:54
	3-5km SSE	Recorded	12	Projectile	WSW to ENE	N/K	28-Jun, 21:54
	3-5km SSE	Recorded	11	Projectile	WSW to ENE	N/K	28-Jun, 21:55
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 21:55
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	28-Jun, 21:56
	3-5km SSE	Recorded	3	Explosion	Undetermined	N/K	28-Jun, 21:56
	3-5km SSE	Recorded		Explosion	Uncountable and undetermined	N/K	28-Jun, 21:56
	3-5km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	28-Jun, 21:56
	3-5km SSE	Recorded	10	Projectile	WSW to ENE	N/K	28-Jun, 21:57
	3-5km SSE	Recorded	15	Projectile	WSW to ENE	N/K	28-Jun, 21:58
	3-5km SSE	Recorded	4	Projectile	WSW to ENE	N/K	28-Jun, 21:59
	3-5km S	Recorded	2	Projectile	WSW to ENE	N/K	28-Jun, 21:59
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	28-Jun, 22:01
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 22:36
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 22:53
	3-5km S	Recorded	4	Projectile	WSW to ENE	N/K	28-Jun, 23:00
	2-4km S	Recorded	2	Muzzle flash	S to N	N/K	28-Jun, 23:00
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:06
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	28-Jun, 23:09
	3-5km SE	Recorded	1	Projectile	WSW to ENE	N/K	28-Jun, 23:09
	3-5km S	Recorded	6	Projectile	WSW to ENE	N/K	28-Jun, 23:14
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	28-Jun, 23:14
	3-5km S	Recorded	5	Projectile	WSW to ENE	N/K	28-Jun, 23:17
	3-5km S	Recorded	3	Projectile	WSW to ENE	N/K	28-Jun, 23:18
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:18
	3-5km S	Recorded	3	Projectile	WSW to ENE	N/K	28-Jun, 23:19
	3-5km S	Recorded	11	Projectile	WSW to ENE	N/K	28-Jun, 23:24
	3-5km SSE	Recorded	1	Projectile	ENE to WSW	N/K	28-Jun, 23:59
	1-2km SSW	Recorded	2	Projectile	WSW to ENE	N/K	29-Jun, 00:09
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	29-Jun, 00:11
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	28-Jun, 22:07
	2-3km SSW	Recorded	5	Projectile	NW to SE	N/K	28-Jun, 22:10
	2-3km SSW	Recorded	1	Projectile	WNW to ESE	N/K	28-Jun, 22:54
	1.5-3km SSW	Recorded	5	Burst	NW to SE	N/K	28-Jun, 23:23
	N/K SSW	Recorded	15	Projectile	In vertical flight	N/K	28-Jun, 23:25

<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.

	N/K SSW	Recorded	3	Projectile	In vertical flight	N/K	28-Jun, 23:26
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:32
	2-3km SSW	Recorded	5	Projectile	WNW to ESE	N/K	28-Jun, 23:34
	3-5km SSW	Recorded		Burst	In vertical flight (uncountable)	N/K	28-Jun, 23:52
	3-5km SSW	Recorded		Burst	SE to NW (uncountable)	N/K	28-Jun, 23:56
	0.7-1.5km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 00:16
	0.5-1km S	Recorded	1	Projectile	WNW to ESE	N/K	29-Jun, 00:17
	0.5-1km S	Recorded	1	Projectile	WNW to ESE	N/K	29-Jun, 00:28
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 21:49
	2-4km ESE	Recorded	13	Projectile	S to N	N/K	28-Jun, 22:10
	2-4km E	Recorded	2	Projectile	S to N	N/K	28-Jun, 22:13
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	28-Jun, 23:11
	2-4km E	Recorded	5	Projectile	N to S	N/K	28-Jun, 23:13
	2-4km E	Recorded	3	Projectile	N to S	N/K	28-Jun, 23:14
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	28-Jun, 23:14
	2-4km E	Recorded	12	Projectile	N to S	N/K	28-Jun, 23:17
	2-4km E	Recorded	9	Projectile	N to S	N/K	28-Jun, 23:18
	2-4km E	Recorded	7	Projectile	N to S	N/K	28-Jun, 23:19
	2-4km E	Recorded	11	Projectile	N to S	N/K	28-Jun, 23:29
	2-4km E	Recorded	9	Projectile	N to S	N/K	28-Jun, 23:28
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:28
	2-4km E	Recorded	10	Projectile	N to S	N/K	28-Jun, 23:24
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Jun, 23:30
	2-4km E	Recorded	6	Projectile	N to S	N/K	28-Jun, 23:31
	2-4km E	Recorded	5	Projectile	N to S	N/K	28-Jun, 23:32
	2-4km E	Recorded	10	Projectile	N to S	N/K	28-Jun, 23:33
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Jun, 23:37
	2-4km SE	Recorded	2	Projectile	N to S	N/K	28-Jun, 23:37
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:37
	2-4km E	Recorded	1	Projectile	S to N	N/K	28-Jun, 23:37
	2-4km E	Recorded	3	Projectile	N to S	N/K	28-Jun, 23:38
	2-4km E	Recorded	7	Projectile	N to S	N/K	28-Jun, 23:40
	2-4km SE	Recorded	1	Projectile	S to N	N/K	28-Jun, 23:53
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:53
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	28-Jun, 23:55
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:58
	2-4km E	Recorded	3	Projectile	WNW to ESE	N/K	29-Jun, 00:35
SMM camera in Krasnohoriivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	29-Jun, 01:29
	2-4km SE	Recorded	6	Projectile	NE to SW	N/K	29-Jun, 01:30
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	2-4km ENE	Recorded	1	Explosion	Airburst	N/K	28-Jun, 20:53
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	0.8-1.5km ENE	Recorded	1	Projectile	N to S	N/K	28-Jun, 21:36
	2-4km ENE	Recorded	9	Projectile	N to S	N/K	29-Jun, 01:16
SMM camera at entry-exit checkpoint in Marinka (government-controlled,	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	28-Jun, 22:24
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Jun, 22:29
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	29-Jun, 01:29
	2-4km NNE	Recorded	3	Projectile	E to W	N/K	29-Jun, 01:30

23km SW of Donetsk)							
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	1-2km SSE	Recorded	1	Projectile	E to W	N/K	28-Jun, 21:41
	2-5km S	Recorded	5	Projectile	NNW to SSE	N/K	28-Jun, 21:50
	2-5km S	Recorded	4	Projectile	NNW to SSE	N/K	28-Jun, 21:51
	2-5km S	Recorded	5	Projectile	W to E	N/K	28-Jun, 21:51
	2-5km S	Recorded	2	Projectile	W to E	N/K	28-Jun, 21:53
	2-5km SSE	Recorded	2	Projectile	NNW to SSE	N/K	28-Jun, 22:00
	2-5km SSE	Recorded	2	Projectile	W to E	N/K	28-Jun, 22:00
	2-5km SSE	Recorded	1	Projectile	W to E	N/K	28-Jun, 22:02
	2-5km S	Recorded	1	Projectile	W to E	N/K	28-Jun, 22:03
	2-5km S	Recorded	4	Projectile	NW to SE	N/K	28-Jun, 22:08
	2-5km S	Recorded	3	Projectile	NW to SE	N/K	28-Jun, 22:09
	2-5km SSE	Recorded	23	Projectile	W to E	N/K	28-Jun, 22:10
	2-5km SSE	Recorded	2	Projectile	E to W	N/K	28-Jun, 22:10
	2-5km S	Recorded	8	Projectile	WNW to ESE	N/K	28-Jun, 22:23
	2-5km SSE	Recorded	1	Projectile	W to E	N/K	28-Jun, 22:30
	2-5km SSE	Recorded	3	Projectile	W to E	N/K	28-Jun, 22:32
	2-5km S	Recorded	1	Projectile	WNW to ESE	N/K	28-Jun, 22:34
	2-5km S	Recorded	1	Projectile	WNW to ESE	N/K	28-Jun, 22:35
	2-5km S	Recorded	4	Projectile	W to E	N/K	28-Jun, 22:36
	2-5km S	Recorded	6	Projectile	W to E	N/K	28-Jun, 22:37
	2-5km SSE	Recorded	2	Projectile	E to W	N/K	28-Jun, 22:37
	2-5km S	Recorded	8	Projectile	W to E	N/K	28-Jun, 22:38
	2-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 22:38
	2-5km S	Recorded	23	Projectile	W to E	N/K	28-Jun, 22:39
	2-5km S	Recorded	1	Explosion	Undetermined; Airburst	N/K	28-Jun, 22:39
	2-5km S	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:54
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:55
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Jun, 23:55
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Jun, 23:58
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Jun, 00:08
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	29-Jun, 00:11
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Jun, 00:12
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Jun, 00:32
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	29-Jun, 00:35
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km N	Heard	1	Explosion	Undetermined	N/K	29-Jun, 10:03
About 5.5km NNW of Donetsk city centre (non-government-controlled)	2-3km NW	Heard	5	Shot		HMG	29-Jun, 15:15-15:36
	2-3km NW	Heard	26	Explosion	Undetermined	N/K	29-Jun, 15:15-15:36
	1-2km NW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 15:15-15:36
	2-3km N	Heard	2	Explosion	Undetermined	N/K	29-Jun, 15:15-15:36
	1-3km NW	Heard	94	Burst		HMG	29-Jun, 15:15-15:36
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km NE	Heard	6	Burst		Small arms	29-Jun, 09:55
About 2km SE of Vesele (non-government-controlled, 9km NW of Donetsk)	2-3km NW	Heard	14	Shot		Small arms	29-Jun, 11:30
	2-3km NW	Heard	3	Burst		Small arms	29-Jun, 11:30

Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km W	Heard	8	Burst		Small arms	29-Jun, 14:05-14:13
	2-3km W	Heard	3	Shot		Small arms	29-Jun, 14:05-14:13
About 3km SE of Lohvynove (non-government-controlled, 59km NE of Donetsk)	7-10km WNW	Heard	13	Explosion	Undetermined	N/K	29-Jun, 09:19-09:25
	7-10km WNW	Heard and saw	6	Explosion	Impact	N/K	29-Jun, 09:40-09:47
	7-10km WNW	Heard	3	Explosion	Undetermined	N/K	29-Jun, 10:02-10:10
Pikuzy (formerly Kominternove, non-government-controlled, 23km NE of Mariupol)	400m W	Heard	37	Burst	Undetermined	Small arms	29-Jun, 12:05-12:10
	400m W	Heard	23	Shot	Undetermined	Small arms	29-Jun, 12:05-12:10
Sakhanka (non-government-controlled, 24km NE of Mariupol)	500m NW	Heard	2	Shot	Undetermined	Small arms	29-Jun, 13:18
About 1.5km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	1-2km W	Heard	75	Shot	Undetermined	Small arms	29-Jun, 12:25-12:26
About 1km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 11:38
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km WNW	Heard	9	Explosion	Undetermined	N/K	28-Jun, 20:00-20:04
	4-5km W	Heard	3	Explosion	Undetermined	N/K	28-Jun, 20:11-20:13
	4-5km WNW	Heard	15	Explosion	Undetermined	N/K	28-Jun, 20:17-20:20
	4-5km W	Heard	3	Explosion	Undetermined	N/K	28-Jun, 20:26-20:30
	5-6km WNW	Heard	34	Explosion	Undetermined	N/K	28-Jun, 20:30-20:45
	5-6km WNW	Heard	13	Explosion	Undetermined	N/K	28-Jun, 20:45-21:00
	4-5km W	Heard	2	Explosion	Undetermined	N/K	28-Jun, 21:00-21:15
	4-5km W	Heard	3	Explosion	Undetermined	N/K	28-Jun, 22:00-22:15
	5km W	Heard	2	Burst	Undetermined	HMG	28-Jun, 22:00-22:15
	4-5km WNW	Heard	8	Explosion	Undetermined	N/K	28-Jun, 22:15-22:30
	4-5km WNW	Heard	22	Burst	Undetermined	HMG	28-Jun, 22:15-22:30
	4-5km WNW	Heard	5	Shot	Undetermined	Small arms	28-Jun, 22:15-22:30
	4-5km WNW	Heard	5	Explosion	Undetermined	N/K	28-Jun, 22:30-22:45

	4-5km WNW	Heard	2	Shot	Undetermined	Small arms	28-Jun, 22:30-22:45
	4-5km WNW	Heard	4	Explosion	Undetermined	N/K	28-Jun, 22:45-23:00
	4-5km WNW	Heard	3	Burst	Undetermined	N/K	28-Jun, 22:45-23:00
	4-5km W	Heard	18	Explosion	Undetermined	N/K	28-Jun, 23:00-23:15
	5-6km W	Heard	3	Burst	Undetermined	HMG	28-Jun, 23:00-23:15
	4-5km W	Heard	2	Shot	Undetermined	Small arms	28-Jun, 23:00-23:15
	4-5km WNW	Heard	1	Explosion	Undetermined	N/K	28-Jun, 23:15-23:30
	4-5km WNW	Heard	5	Explosion	Undetermined	N/K	28-Jun, 23:45-00:00
About 7.5km NW of Horlivka (non-government controlled, 39km NE of Donetsk)	4-5km SSW	Heard	3	Explosion	Undetermined	N/K	29-Jun, 09:24
	1-2km N	Heard	1	Explosion	Undetermined	N/K	29-Jun, 09:32
About 6km NW of Horlivka (non-government controlled, 39km NE of Donetsk)	3-4km NNW	Heard	2	Explosion	Undetermined	N/K	29-Jun, 10:50
	3-4km NNW	Heard	1	Burst		HMG	29-Jun, 10:50
	5-6km W	Heard	1	Explosion	Undetermined	N/K	29-Jun, 11:13-11:20
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-6km SW	Heard	5	Explosion	Undetermined	N/K	28-Jun, 18:30-18:33
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	28-Jun, 18:34
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	28-Jun, 18:36-18:38
	5-7km SW	Heard	8	Explosion	Undetermined	N/K	28-Jun, 18:50
	5-7km SW	Heard	10	Explosion	Undetermined	N/K	28-Jun, 18:55-18:57
	4-6km SW	Heard	10	Explosion	Undetermined	N/K	28-Jun, 18:57-19:00
	3-5km SW	Heard	4	Explosion	Undetermined	N/K	28-Jun, 19:00-19:04
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	28-Jun, 19:05
	2-3km SW	Heard	19	Explosion	Undetermined	N/K	28-Jun, 19:13-19:27
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	28-Jun, 19:28
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	28-Jun, 19:28
	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	28-Jun, 19:29
	3-4km SSW	Heard	5	Explosion	Undetermined	N/K	28-Jun, 19:30-19:32
	4-5km SSW	Heard	2	Explosion	Undetermined	N/K	28-Jun, 19:37
	3-4km S	Heard	1	Explosion	Undetermined	N/K	28-Jun, 21:45
	6-7km SW	Heard	4	Explosion	Undetermined	N/K	29-Jun, 08:14-08:15
	4-5km S	Heard	10	Explosion	Undetermined	N/K	29-Jun, 08:17-08:20
	2-4km SW	Heard	11	Explosion	Undetermined	N/K	29-Jun, 08:25-08:40
	3-5km SSW	Heard	23	Explosion	Undetermined	N/K	29-Jun, 08:57-09:17
	4-5km SSW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 09:12
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	29-Jun, 10:01-10:08
	3-4km SW	Heard	30	Explosion	Undetermined	N/K	29-Jun, 10:23-10:24

	3-4km SW	Heard	2	Explosion	Undetermined	N/K	29-Jun, 10:31
	3-4km SW	Heard	5	Burst		HMG	29-Jun, 10:31
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	29-Jun, 10:56
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 11:43
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 16:53
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 17:34
Semyhiria (government-controlled, 58km NE of Donetsk)	2-4km SW	Heard	8	Explosion	Impact	N/K	29-Jun, 09:57-10:04
	3-4km S	Heard	10	Burst		AGL	29-Jun, 10:20-10:22
	3-4km S	Heard	40	Burst		AGL	29-Jun, 10:20-10:22
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	1	Projectile	SSW to NNE (assessed as outside the disengagement area)	N/K	28-Jun, 22:24
	5-6km S	Recorded	1	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	28-Jun, 22:43
	2-3km ESE	Recorded	2	Explosion	Airburst (assessed as inside the disengagement area)	N/K	28-Jun, 22:44
	2-3km SSE	Recorded	1	Explosion	Assessed as inside the disengagement area	N/K	28-Jun, 22:48
	2-3km SE	Recorded	2	Explosion	Airburst (unable to assess as inside or outside the disengagement area)	N/K	28-Jun, 22:50
1.5km SW of Molodizhne (non-government-controlled, 63km W of Luhansk)	2-3km W	Heard	18	Shot	Assessed as outside the Zolote disengagement area	Small arms	29-Jun, 11:23-11:24
	2-3km W	Heard	3	Burst	Assessed as outside the Zolote disengagement area	Small arms	29-Jun, 11:23-11:24
3km N of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	1-2km NNW	Heard	5	Bursts	Assessed as inside the Zolote disengagement area	Small arms	29-Jun, 15:30
	2km NNE	Heard	1	Shot	Assessed as inside the Zolote disengagement area	Small arms	29-Jun, 17:58
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	29-Jun, 21:25
	2-4km SSE	Recorded	1	Explosion	Outgoing	N/K	29-Jun, 21:25
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	29-Jun, 21:29
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	29-Jun, 21:30
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	29-Jun, 21:33
	2-4km SE	Recorded	2	Muzzle flash		N/K	29-Jun, 21:34
	2-4km SSE	Recorded	1	Projectile	NW to SE	N/K	29-Jun, 21:36
	2-4km SSE	Recorded	1	Explosion	Outgoing	N/K	29-Jun, 21:36
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:37

	2-4km SSE	Recorded	12	Projectile	WSW to ENE	N/K	29-Jun, 21:38
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:38
	2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	29-Jun, 21:39
	2-4km SSE	Recorded	7	Projectile	WSW to ENE	N/K	29-Jun, 21:40
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	29-Jun, 21:41
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	29-Jun, 21:41
	2-4km SSE	Recorded	1	Projectile	ENE to WSW	N/K	29-Jun, 21:43
	2-4km SSE	Recorded	10	Projectile	ENE to WSW	N/K	29-Jun, 21:48
	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	29-Jun, 21:48
	2-4km S	Recorded	2	Projectile	WSW to ENE	N/K	29-Jun, 21:48
	2-4km SSE	Recorded		Projectile	Uncountable (WSW to ENE)	N/K	29-Jun, 21:54
	2-4km SSE	Recorded	10	Projectile	ENE to WSW	N/K	29-Jun, 22:48
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	29-Jun, 22:49
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	29-Jun, 22:57
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Jun, 22:58
	2-4km SE	Recorded	20	Projectile	ENE to WSW	N/K	29-Jun, 22:58
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Jun, 22:59
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Jun, 23:00
	2-4km SE	Recorded	10	Projectile	ENE to WSW	N/K	29-Jun, 23:01
	2-4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	29-Jun, 23:01
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	29-Jun, 23:03
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:04
	2-4km SE	Recorded	1	Projectile	NNE to SSW	N/K	29-Jun, 23:04
	2-4km SE	Recorded	12	Projectile	ENE to WSW	N/K	29-Jun, 23:04
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	29-Jun, 23:10
	2-4km SSE	Recorded	1	Muzzle flash		N/K	29-Jun, 23:11
	2-4km SE	Recorded	1	Projectile	ENE to WSW	N/K	29-Jun, 23:11
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	29-Jun, 23:16
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:19
	2-4km SSE	Recorded	1	Burst	ENE to WSW	N/K	29-Jun, 23:22
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:50
	2-4km SSE	Recorded	3	Projectile	ENE to WSW	N/K	30-Jun, 00:01
	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	30-Jun, 00:02
	2-4km SSE	Recorded	9	Projectile	ENE to WSW	N/K	30-Jun, 00:07
	4km SSE	Recorded	4	Projectile	ENE to WSW	N/K	30-Jun, 00:11
	2-4km SSW	Recorded	1	Projectile	WSW to ENE	N/K	30-Jun, 01:04
	2-4km SE	Recorded	3	Projectile	ENE to WSW	N/K	30-Jun, 01:43
	2-4km SSE	Recorded	2	Projectile	ENE to WSW	N/K	30-Jun, 01:45
	2-4km SSE	Recorded	1	Burst	NNE to SSW	N/K	30-Jun, 02:19
	2-4km S	Recorded		Projectile	Uncountable (ENE to WSW)	N/K	30-Jun, 03:04
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Jun, 02:34
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	3	Projectile	NW to SE	N/K	30-Jun, 01:20
	0.5-1km S	Recorded	1	Explosion	Impact	N/K	30-Jun, 01:54
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Jun, 21:52
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	29-Jun, 21:52
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Jun, 21:53
	2-4km ENE	Recorded	2	Projectile	N to S	N/K	29-Jun, 21:57
	2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Jun, 21:58
	2-4km ENE	Recorded	1	Projectile	S to N	N/K	29-Jun, 21:59
	2-4km ENE	Recorded	2	Projectile	S to N	N/K	29-Jun, 22:00
	2-4km ESE	Recorded		Illumination flare	Uncountable; in vertical flight	N/K	29-Jun, 22:01
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Jun, 22:01
	2-4km ESE	Recorded		Muzzle flash	Uncountable	N/K	29-Jun, 22:04
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Jun, 22:04
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Jun, 22:29
SMM camera in Krasnohorivka (government-	2-4km	Recorded		Muzzle flash	Uncountable	N/K	29-Jun, 23:08

controlled, 21km W of Donetsk)							
SMM camera E of Lomakyne (government- controlled, 15km NE of Mariupol)	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	29-Jun, 22:29
	2-4km NE	Recorded	1	Explosion	Airburst	N/K	29-Jun, 22:29
SMM camera at entry-exit checkpoint in Maiorsk (government- controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	S to N	N/K	29-Jun, 23:02
	2-4km E	Recorded	1	Projectile	SSW to NNE	N/K	29-Jun, 23:12
	2-4km ESE	Recorded	1	Projectile	SSW to NNE	N/K	29-Jun, 23:32
SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk)	0.5-1km NNE	Recorded	1	Projectile	W to E	N/K	29-Jun, 22:11
	0.5-1km NNE	Recorded	1	Projectile	W to E	N/K	29-Jun, 22:12
	0.5-1km NNE	Recorded	14	Burst	W to E	N/K	29-Jun, 22:38
	0.5-1km N	Recorded	3	Projectile	In vertical flight	N/K	30-Jun, 01:31
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	30-Jun, 01:39
SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 21:21
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Jun, 21:22
	2-4km S	Recorded	2	Projectile	WNW to ESE	N/K	29-Jun, 21:33
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	29-Jun, 21:34
	2-4km S	Recorded	4	Projectile	W to E	N/K	29-Jun, 21:37
	2-4km S	Recorded	10	Projectile	E to W	N/K	29-Jun, 21:37
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:38
	2-4km S	Recorded	2	Projectile	E to W	N/K	29-Jun, 21:38
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 21:38
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:41
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Jun, 21:44
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	29-Jun, 21:45
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Jun, 21:45
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:49
	2-4km S	Recorded	4	Projectile	E to W	N/K	29-Jun, 21:49
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 21:50
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 21:50
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Jun, 21:50
	2-4km S	Recorded	2	Projectile	W to E	N/K	29-Jun, 21:57
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 21:58
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Jun, 21:58
	2-4km S	Recorded	5	Projectile	E to W	N/K	29-Jun, 21:59
	2-4km S	Recorded	8	Projectile	W to E	N/K	29-Jun, 21:59
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 22:00
	2-4km S	Recorded	2	Projectile	W to E	N/K	29-Jun, 22:01
	2-4km S	Recorded	4	Projectile	E to W	N/K	29-Jun, 22:01
	2-4km S	Recorded	2	Projectile	In vertical flight	N/K	29-Jun, 22:02
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 22:04
	2-4km S	Recorded	1	Projectile	WSW to ENE	N/K	29-Jun, 22:04
	2-4km S	Recorded	2	Projectile	E to W	N/K	29-Jun, 22:08
	2-4km S	Recorded	4	Projectile	E to W	N/K	29-Jun, 22:09
	2-4km S	Recorded	2	Projectile	NE to SW	N/K	29-Jun, 22:10
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 22:12
	2-4km S	Recorded	4	Projectile	NE to SW	N/K	29-Jun, 22:12
	2-4km S	Recorded	1	Muzzle flash		N/K	29-Jun, 22:12
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 22:14
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Jun, 22:20
	2-4km S	Recorded	3	Projectile	NE to SW	N/K	29-Jun, 22:21
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	29-Jun, 22:29

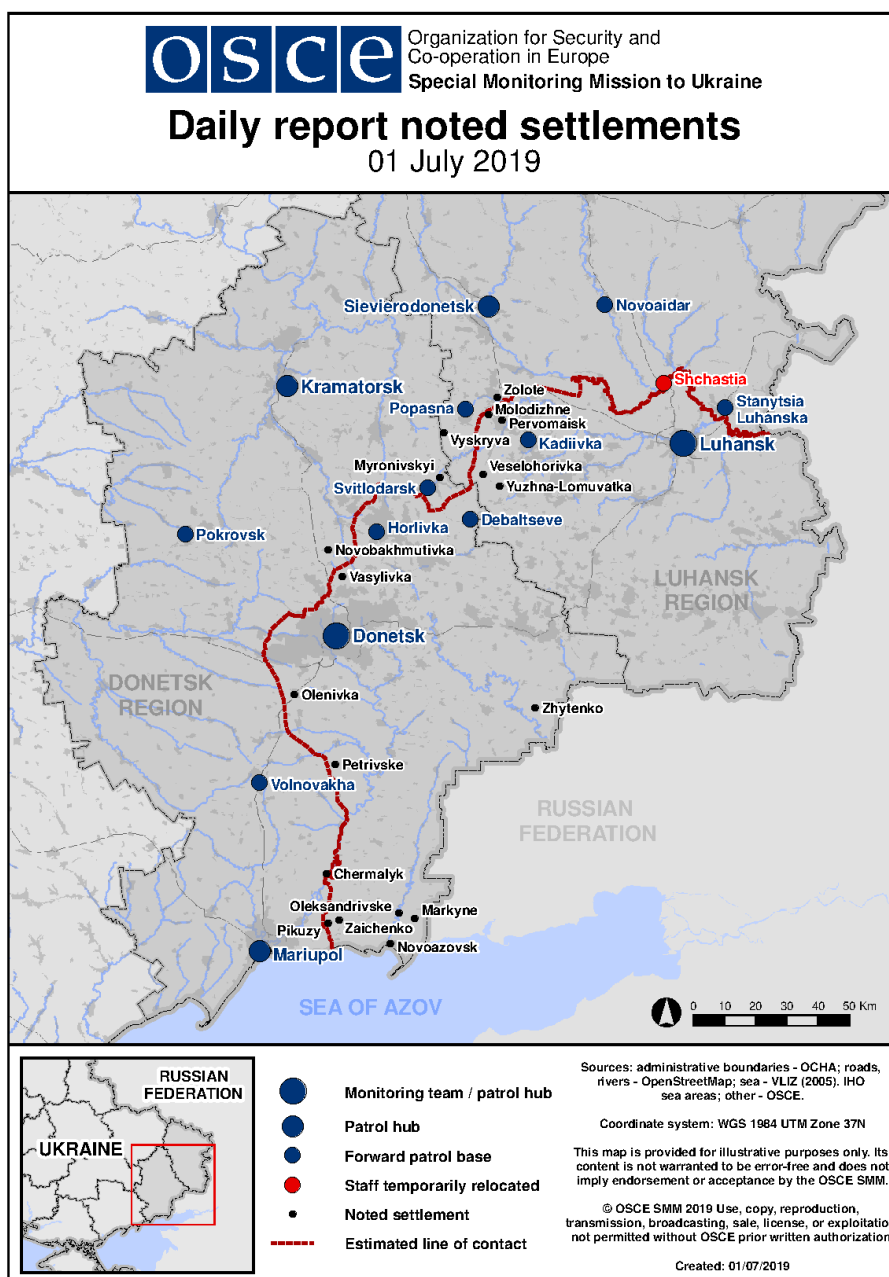


SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 22:29
	2-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	29-Jun, 23:00
	2-4km S	Recorded	2	Projectile	E to W	N/K	29-Jun, 23:00
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Jun, 23:42
	2-4km S	Recorded	3	Projectile	W to E	N/K	30-Jun, 00:15
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Jun, 00:17
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	30-Jun, 00:19
	2-4km S	Recorded	1	Explosion	Impact	N/K	30-Jun, 00:19
	2-4km S	Recorded	3	Projectile	E to W	N/K	30-Jun, 00:23
	2-4km SSE	Recorded	2	Projectile	WNW to ESE	N/K	30-Jun, 00:26
	2-4km S	Recorded	2	Projectile	WNW to ESE	N/K	30-Jun, 00:27
	2-4km S	Recorded	3	Projectile	In vertical flight	N/K	30-Jun, 00:29
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Jun, 00:29
	2-4km S	Recorded	1	Explosion		N/K	30-Jun, 00:29
	2-4km SSE	Recorded	2	Projectile	WNW to ESE	N/K	30-Jun, 00:31
	2-4km S	Recorded	1	Explosion		N/K	30-Jun, 00:32
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	30-Jun, 00:32
	2-4km S	Recorded	1	Projectile	NW to SE	N/K	30-Jun, 00:41
	2-4km S	Recorded	1	Projectile	E to W	N/K	30-Jun, 00:53
	2-4km S	Recorded	1	Projectile	E to W	N/K	30-Jun, 01:25
	2-4km S	Recorded	4	Burst	In vertical flight; Approx. 5 rounds	N/K	30-Jun, 01:29
	2-4km S	Recorded	3	Burst	In vertical flight; Approx. 5 rounds	N/K	30-Jun, 01:31
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Jun, 01:31
	2-4km S	Recorded	1	Projectile	E to W	N/K	30-Jun, 01:53
	2-4km S	Recorded	4	Projectile	W to E	N/K	30-Jun, 02:13
	2-4km SSE	Recorded	10	Projectile	W to E	N/K	30-Jun, 02:17
	2-4km S	Recorded	3	Projectile	W to E	N/K	30-Jun, 02:43
	2-4km S	Recorded	8	Projectile	W to E	N/K	30-Jun, 02:44
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Jun, 03:11
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Jun, 23:14
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:14
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Jun, 23:16
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Jun, 23:18
	2-4km ESE	Recorded	2	Projectile	NNW to SSE	N/K	29-Jun, 23:19
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	29-Jun, 23:19
	2-4km ESE	Recorded	1	Muzzle flash		N/K	29-Jun, 23:20
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Jun, 23:20
	2-4km ESE	Recorded	4	Projectile	NNW to SSE	N/K	29-Jun, 23:20
	2-4km ESE	Recorded	10	Projectile	NNW to SSE	N/K	29-Jun, 23:21
	2-4km ESE	Recorded	9	Projectile	S to N	N/K	29-Jun, 23:22
	2-4km ESE	Recorded	3	Projectile	NNW to SSE	N/K	29-Jun, 23:22
	2-4km ESE	Recorded	6	Projectile	NNW to SSE	N/K	29-Jun, 23:23
	2-4km ESE	Recorded	10	Projectile	SW to NE	N/K	29-Jun, 23:23
	2-4km ESE	Recorded	12	Projectile	NNW to SSE	N/K	29-Jun, 23:24
	2-4km ESE	Recorded	1	Explosion	Impact	N/K	29-Jun, 23:24
	2-4km ESE	Recorded	24	Projectile	SW to NE	N/K	29-Jun, 23:24
	2-4km ESE	Recorded	15	Projectile	NNW to SSE	N/K	29-Jun, 23:25
	2-4km ESE	Recorded	1	Explosion	Impact	N/K	29-Jun, 23:25
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Jun, 23:28
	2-4km ESE	Recorded	2	Explosion	Undetermined	N/K	29-Jun, 23:29
	2-4km ESE	Recorded	5	Projectile	NNW to SSE	N/K	29-Jun, 23:29
	2-4km ESE	Recorded	8	Projectile	NNW to SSE	N/K	29-Jun, 23:30
	2-4km ESE	Recorded	10	Projectile	S to N	N/K	29-Jun, 23:30
	2-4km ESE	Recorded	15	Projectile	S to N	N/K	29-Jun, 23:31
	2-4km ESE	Recorded	7	Projectile	NNW to SSE	N/K	29-Jun, 23:31
	2-4km ESE	Recorded	6	Muzzle flash		N/K	29-Jun, 23:32
	2-4km ESE	Recorded	6	Projectile	NNW to SSE	N/K	29-Jun, 23:32
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:32
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Jun, 23:33

	2-4km ESE	Recorded	6	Projectile	S to N	N/K	29-Jun, 23:33
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Jun, 23:34
	2-4km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Jun, 23:34
	2-4km ESE	Recorded	2	Projectile	N to S	N/K	29-Jun, 23:36
	2-4km ESE	Recorded	6	Projectile	NNW to SSE	N/K	29-Jun, 23:38
	2-4km ESE	Recorded	2	Projectile	NNW to SSE	N/K	29-Jun, 23:39
	2-4km ESE	Recorded	10	Projectile	NNW to SSE	N/K	29-Jun, 23:44
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	6	Projectile	NNW to SSE	N/K	29-Jun, 23:45
	2-3km S	Heard	2	Explosion	Undetermined	N/K	30-Jun, 09:26
	2-3km S	Heard	1	Explosion	Undetermined	N/K	30-Jun, 09:36
	2-3km S	Heard	1	Explosion	Undetermined	N/K	30-Jun, 09:48
About 1 km N of Donetsk central railway station(non-government-controlled, 6km NW of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Jun, 11:31
	2-3km N	Heard	5	Burst		Small arms	30-Jun, 11:00
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1km S	Heard	3	Burst		Small arms	30-Jun, 12:20
	2-3km W	Heard	41	Explosion	Undetermined	N/K	30-Jun, 12:43
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Jun, 09:05
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Jun, 09:37
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	30-Jun, 09:48-09:53
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	30-Jun, 11:33-11:35
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	30-Jun, 11:38
	2-3km SW	Heard	15	Shot		Small arms	30-Jun, 11:39
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	30-Jun, 13:14
	2km W	Heard	1	Burst		Small arms	30-Jun, 13:53
	1km W	Heard	1	Burst		Small arms	30-Jun, 13:55
	2km SW	Heard	3	Shot		Small arms	30-Jun, 14:17
	2km SW	Heard	9	Burst		Small arms	30-Jun, 14:17
	2km SW	Heard	1	Explosion	Undetermined	N/K	30-Jun, 14:17
Kulykove (non-government-controlled, 30km NE of Mariupol)	3-5km W	Heard	2	Explosion	Undetermined	N/K	30-Jun, 10:47-10:50
	3-5km W	Heard	9	Explosion	Undetermined	N/K	30-Jun, 10:59-11:07
	3-5km W	Heard	2	Explosion	Undetermined	N/K	30-Jun, 11:08-11:10
Pikuzy (formerly Kominternove, non-government-controlled, 23km NE of Mariupol)	1-2km NW	Heard	60	Shot		Small arms	30-Jun, 12:07-12:19
	400m NW	Heard	4	Burst		Small arms	30-Jun, 13:13
Horlivka (non-government-controlled, 39km NE of	5-6km W	Heard	2	Explosion	Undetermined	N/K	30-Jun, 04:40
	5-6km W	Heard	2	Explosion	Undetermined	N/K	30-Jun, 04:45
	5-6km W	Heard	1	Explosion	Undetermined	N/K	30-Jun, 04:53
	3-4km W	Heard	5	burst		HMG	30-Jun, 05:00

Donetsk)	5-6km W	Heard	1	Explosion	Undetermined	N/K	30-Jun, 05:03
Svitlodarsk (government- controlled, 57km NE of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 16:53
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	29-Jun, 17:34
	3-4km SSE	Heard	4	Burst		HMG	29-Jun, 18:32- 18:33
	1-2km SW	Heard	14	Shot		Small arms	30-Jun, 14:28- 14:29
	1-2km SW	Heard	9	Shot		Small arms	30-Jun, 14:33
	1-2km SW	Heard	7	Shot		Small arms	30-Jun, 14:41- 14:42
	1-2km SW	Heard	6	Shot		Small arms	30-Jun, 14:36- 14:37
	1-2km SW	Heard	4	Shot		Small arms	30-Jun, 14:50
	4-6km W	Heard	2	Explosion	Undetermined	N/K	30-Jun, 16:05
	1-2km SW	Heard	168	Shot		Small arms	30-Jun, 16:06- 16:19
	4-6km W	Heard	4	Explosion	Undetermined	N/K	30-Jun, 16:08- 16:13
	1-2km SW	Heard	158	Shot		Small arms	30-Jun, 16:23- 16:35
	4-6km W	Heard	1	Explosion	Undetermined	N/K	30-Jun, 16:34
	4-6km W	Heard	1	Explosion	Undetermined	N/K	30-Jun, 16:37
	1-2km SW	Heard	15	Shot		Small arms	30-Jun, 16:38
	4-6km W	Heard	1	Explosion	Undetermined	N/K	30-Jun, 16:40
	4-6km W	Heard	1	Burst		Small arms	30-Jun, 16:44
	4-6km W	Heard	3	Explosion	Undetermined	N/K	30-Jun, 18:15- 18:16
	5-7km SW	Heard	8	Explosion	Undetermined	N/K	30-Jun, 18:18- 18:24
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	30-Jun, 18:28- 18:29
Zolote- 5/Mykhailivka (non- government- controlled, 58km W of Luhansk)	2-4km W	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	30-Jun, 10:35

## 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).