| SMM position | Event location | Means | No. | Observation | Description | Weapon | Date, time |
|---|------------------------|----------------------|-----|---------------------------|--|------------|------------------------------|
| | 4-6km SE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Oktiabr cameras) | N/K | 5-Jul, 22:24 |
| | 4-6km SSE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Oktiabr cameras) | N/K | 5-Jul, 23:21 |
| SMM camera in Avdiivka (government- controlled, 17km | 4-6km SSE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Oktiabr cameras) | N/K | 5-Jul, 23:48 |
| N of Donetsk) | 4-6km SSE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Oktiabr cameras) | N/K | 6-Jul, 00:00 |
| | 4-6km SSE | Recorded | 6 | Projectile | In vertical flight (also recorded by DFS camera) | N/K | 6-Jul, 01:56 |
| | 4-6km SSE | Recorded | 5 | Projectile | In vertical flight (also recorded by DFS camera) | N/K | 6-Jul, 01:59 |
| | 2-4km SSE | Recorded | 2 | Projectile | ENE to WSW | N/K | 5-Jul, 22:17 |
| | 2-4km SSE | Recorded | 3 | Projectile | WSW to ENE | N/K | 5-Jul, 22:17 |
| | 2-4km SSE | Recorded | 4 | Projectile | WSW to ENE | N/K | 5-Jul, 22:18 |
| | 2-4km SSE | Recorded | 1 | Projectile | WSW to ENE | N/K | 5-Jul, 22:27 |
| | 2-4km S | Recorded | 1 | Muzzle flash | | N/K | 5-Jul, 22:54 |
| SMM camera in Chermalyk | 2-4km S | Recorded | 1 | Projectile | WSW to ENE (subsequent to previous event.) | N/K | 5-Jul, 22:54 |
| (government- controlled, 31km NE of Mariupol) | 2-4km SSE | Recorded | 1 | Explosion | Impact (subsequent to previous event) | N/K | 5-Jul, 22:54 |
| (1) of manupol) | 2-4km S | Recorded | 3 | Projectile | WSW to ENE | N/K | 6-Jul, 00:15 |
| | 2-4km S | Recorded | 8 | Projectile | WSW to ENE | N/K | 6-Jul, 00:16 |
| | 2-4km S | Recorded | 3 | Projectile | ENE to WSW | N/K | 6-Jul, 00:16 |
| | 2-4km S | Recorded | 1 | Explosion | Impact | N/K | 6-Jul, 00:16 |
| | 2-4km S | Recorded | 1 | Explosion Drain stills | Undetermined | N/K | 6-Jul, 01:08 |
| | 2-4km SSE | Recorded | 4 | Projectile | WSW to ENE | N/K | 6-Jul, 03:03 |
| | 2-4km SSE | Recorded | 2 | Projectile | ENE to WSW | N/K | 6-Jul, 03:03 |
| SMM camera at Donetsk Filtration Station (15km N of Donetsk) | 2-4km SSW 2-4km SSW | Recorded Recorded | 1 2 | Projectile Projectile | In vertical flight W to E | N/K N/K | 5-Jul, 21:40 5-Jul, 21:40 |
| | 2-4km SSW | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Oktiabr and Avdiivka cameras) | N/K | 5-Jul, 21:40 |
| | 1-2km S | Recorded | 3 | Projectile | NW to SE | N/K | 5-Jul, 22:36 |

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.

| | • | | | | | | |
|--|--------------|----------|----|--------------------|----------------------------|--------|--------------|
| | | | | | In vertical flight | | |
| | 2.41 0.0337 | D 11 | 1 | T11 · .· | (also recorded | NI/IZ | 5 1 1 22 21 |
| | 2-4km SSW | Recorded | 1 | Illumination flare | by Oktiabr and Avdiivka | N/K | 5-Jul, 23:21 |
| | | | | | cameras) | | |
| | 2-4km SSW | Recorded | 3 | Projectile | NW to SE | N/K | 5-Jul, 23:24 |
| | 1-2km S | Recorded | 3 | Projectile | NW to SE | N/K | 5-Jul, 23:38 |
| | 1-2km S | Recorded | 1 | Projectile | N to S | N/K | 5-Jul, 23:43 |
| | 1-2km S | Recorded | 2 | Projectile | NW to SE | N/K | 5-Jul, 23:43 |
| | 1 21011 5 | Recorded | | Tiojeenie | In vertical flight | 1.0.11 | 5 541, 25.15 |
| | | | | | (also recorded | | |
| | 2-4km SSW | Recorded | 1 | Illumination flare | by Oktiabr and | N/K | 5-Jul, 23:48 |
| | | | | | Avdiivka | | , |
| | | | | | cameras) | | |
| | 2-4km SSW | Recorded | 1 | Projectile | WNW to ESE | N/K | 5-Jul, 23:51 |
| | 2-4km SSW | Recorded | 1 | Projectile | In vertical flight | N/K | 5-Jul, 23:51 |
| | 2-4km SSW | Recorded | 7 | Projectile | WNW to ESE | N/K | 5-Jul, 23:53 |
| | 2-4km SSW | Recorded | 1 | Muzzle flash | | N/K | 5-Jul, 23:53 |
| | 1-2km S | Recorded | 1 | Projectile | NW to SE | N/K | 5-Jul, 23:55 |
| | | | | | In vertical flight | | |
| | | | | | (also recorded | | |
| | 2-4km SSW | Recorded | 1 | Illumination flare | by Oktiabr and | N/K | 6-Jul, 00:00 |
| | | | | | Avdiivka | | |
| | | | | | cameras) | | |
| | 2-4km SSW | Recorded | 4 | Projectile | NW to SE | N/K | 6-Jul, 00:14 |
| | 2-4km SSW | Recorded | 1 | Projectile | In vertical flight | N/K | 6-Jul, 00:16 |
| | 2-4km SSW | Recorded | 1 | Projectile | W to E | N/K | 6-Jul, 01:35 |
| | 2-4km SSW | Recorded | 5 | Projectile | W to E | N/K | 6-Jul, 01:41 |
| | 2-4km SSW | Recorded | 3 | Explosion | Undetermined | N/K | 6-Jul, 01:56 |
| | | | | | W to E (also | | |
| | 2-4km SSW | Recorded | 6 | Projectile | recorded by | N/K | 6-Jul, 01:56 |
| | | | | 5 | Avdiivka | | , |
| | 2-4km SSW | Recorded | 1 | Projectile | camera) NW to SE | N/K | 6-Jul, 01:58 |
| | 2-4KIII 55 W | Recorded | 1 | Projectile | W to E (also | IN/ K | 0-Jul, 01:38 |
| | | | | | recorded by | | |
| | 2-4km SSW | Recorded | 5 | Projectile | Avdiivka | N/K | 6-Jul, 01:59 |
| | | | | | camera) | | |
| | 2-4km SSW | Recorded | 2 | Projectile | N to S | N/K | 6-Jul, 01:59 |
| | 2-4km SSW | Recorded | 2 | Projectile | N to S | N/K | 6-Jul, 02:03 |
| | 2-4km S | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 02:05 |
| | 2-4km SSW | Recorded | 13 | Projectile | WNW to ESE | N/K | 6-Jul, 02:07 |
| | 2-4km E | Recorded | 22 | Projectile | NW to SE | N/K | 5-Jul, 22:11 |
| | 2-4km E | Recorded | 3 | Projectile | NW to SE | N/K | 5-Jul, 22:12 |
| | 2-4km E | Recorded | 5 | Projectile | NNW to SSE | N/K | 5-Jul, 22:12 |
| | 2-4km E | Recorded | 3 | Projectile | NNW to SSE | N/K | 5-Jul, 22:16 |
| | 2-4km E | Recorded | 21 | Projectile | NNW to SSE | N/K | 5-Jul, 22:17 |
| | 2-4km E | Recorded | 5 | Projectile | NW to SE | N/K | 5-Jul, 23:24 |
| SMM camera | 2-4km E | Recorded | 1 | Muzzle flash | | N/K | 5-Jul, 23:30 |
| 1.5km NE of | 2-4km E | Recorded | 4 | Projectile | NNW to SSE | N/K | 5-Jul, 23:30 |
| Hnutove | 2-4km E | Recorded | 34 | Projectile | NNW to SSE | N/K | 5-Jul, 23:33 |
| (government- | 2-4km E | Recorded | 1 | Projectile | NW to SE | N/K | 5-Jul, 23:47 |
| controlled, 20km NE of Mariupol) | 2-4km E | Recorded | 24 | Projectile | NW to SE | N/K | 6-Jul, 00:13 |
| THE OF Mariupor) | 2-4km E | Recorded | 1 | Explosion | Undetermined | N/K | 6-Jul, 00:15 |
| | 2-4km E | Recorded | 16 | Projectile | NW to SE | N/K | 6-Jul, 00:15 |
| | 2-4km E | Recorded | 3 | Projectile | SW to NE | N/K | 6-Jul, 01:52 |
| | 2-4km E | Recorded | 16 | Projectile | W to E | N/K | 6-Jul, 01:57 |
| | 2-4km E | Recorded | 21 | Projectile | W to E | N/K | 6-Jul, 02:01 |
| | 3-5km ESE | Recorded | 2 | Projectile | SW to NE | N/K | 6-Jul, 03:05 |
| SMM camera in | | | | | | | |
| Hranitne | | | | | | | |
| (government- | 2-4km ESE | Recorded | 1 | Explosion | Undetermined | N/K | 6-Jul, 01:37 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| controlled, 60km | | | | | | | |
| controlled, 60km S of Donetsk) SMM camera in | 1-3km SSE | Recorded | 2 | Projectile | NE to SW | N/K | 5-Jul, 21:05 |

| Vroanahanivila | | | | | | | |
|--|------------------------|----------------------|----|----------------------------|--|------------|------------------------------|
| Krasnohorivka | | | | | | | |
| (government- | | | | | | | |
| controlled, 21km W of Donetsk) | | | | | | | |
| w of Donetsk) | 2-4km S | Recorded | 2 | Projectile | NW to SE | N/K | 5 Jul 22.05 |
| | 2-4km SSW | Recorded | 1 | Projectile | In vertical flight | N/K | 5-Jul, 22:05 5-Jul, 22:06 |
| | - | | | | | N/K N/K | |
| | 2-4km SSW | Recorded | 1 | Explosion Due is stille | Undetermined | | 5-Jul, 22:06 |
| | 2-4km SSW | Recorded | 2 | Projectile | In vertical flight | N/K | 5-Jul, 22:08 |
| | 2-4km SSW | Recorded | 1 | Explosion | Impact | N/K | 5-Jul, 22:10 |
| | 2-4km SSW | Recorded | 2 | Explosion | Undetermined | N/K | 5-Jul, 22:10 |
| | 2-4km SSW | Recorded | 4 | Projectile | SE to NW | N/K | 5-Jul, 22:12 |
| | 2-4km SSW | Recorded | 4 | Projectile | NW to SE | N/K | 5-Jul, 22:12 |
| | 2-4km SSW | Recorded | 1 | Muzzle flash | | N/K | 5-Jul, 22:14 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 5-Jul, 22:16 |
| SMM camera in | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 5-Jul, 22:16 |
| Kriakivka (government- | 2-4km SSW | Recorded | 1 | Explosion | Impact (subsequent to previous event) | N/K | 5-Jul, 22:16 |
| controlled, 38km | 2-4km SSW | Recorded | 1 | Projectile | In vertical flight | N/K | 5-Jul, 22:20 |
| NW of Luhansk) | 2-4km SSW | Recorded | 5 | Explosion | Undetermined | N/K | 5-Jul, 22:20 |
| | 2-4km SSW | Recorded | 13 | Projectile | NW to SE | N/K | 5-Jul, 22:20 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE | N/K | 6-Jul, 00:37 |
| | 2-4km SSW | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 00:37 |
| | 2-4KIII 55 W | Recorded | 1 | | NW to SE | IN/IX | 0-Jul, 00.40 |
| | 2-4km SSW | Recorded | 1 | Projectile | (subsequent to previous event) | N/K | 6-Jul, 00:40 |
| | 2-4km SSW | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 00:45 |
| | 2-4km SSW | Recorded | 1 | Projectile | NW to SE (subsequent to previous event) | N/K | 6-Jul, 00:45 |
| SMM camera at | 1-2km NNE | Recorded | 2 | Projectile | ESE to WNW | N/K | 5-Jul, 22:05 |
| entry-exit | 2-4km NE | Recorded | 1 | Explosion | Impact | N/K | 5-Jul, 22:07 |
| checkpoint in | 2-4km N | Recorded | 1 | Explosion | Undetermined | N/K | 5-Jul, 22:48 |
| Marinka (government- controlled, 23km SW of Donetsk) | 2-4km N | Recorded | 2 | Explosion | Undetermined | N/K | 6-Jul, 01:03 |
| B to of D onetsky | 6-8km NNE | Recorded | 2 | Projectile | NW to SE | N/K | 5-Jul, 21:10 |
| | 6-8km NNE | Recorded | 6 | Projectile | NW to SE | N/K | 5-Jul, 21:11 |
| | 6-8km NNE | Recorded | 1 | Explosion | Undetermined | N/K | 5-Jul, 22:09 |
| | 6-8km NNE | Recorded | 1 | Illumination flare | In vertical flight | N/K | 5-Jul, 22:09 |
| | 6-8km NNE | | | T 11 1 1 01 | In vertical flight | N/K N/K | 5-Jul, 22:14 5-Jul, 22:16 |
| | 6-8km NNE | Recorded | 1 | Illumination flare | In vertical flight | N/K N/K | |
| | | Recorded | 1 | Illumination flare | ě | N/K N/K | 5-Jul, 22:18 |
| | 6-8km NNE 6-8km NNE | Recorded | 1 | Illumination flare | In vertical flight | N/K N/K | 5-Jul, 22:20 |
| SMM camera at Oktiabr mine | 6-8km NE | Recorded Recorded | 1 | Illumination flare | In vertical flight In vertical flight (also recorded by DFS and Avdiivka cameras) | N/K | 5-Jul, 22:22 5-Jul, 22:24 |
| (non-government- controlled, 9km NW of Donetsk city centre) | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Avdiivka cameras) | N/K | 5-Jul, 23:21 |
| | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight. | N/K | 5-Jul, 23:30 |
| | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and Avdiivka cameras) | N/K | 5-Jul, 23:48 |
| | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by DFS and | N/K | 6-Jul, 00:00 |

| | | | | Avdiivka | | |
|---------------|--|--|--|--|--|--|
| 6_8km NNE | Recorded | 1 | Illumination flare | / | N/K | 6-Jul, 00:45 |
| 0-okiii ININE | Recolueu | 1 | Inumination nate | | IN/K | 0-Jul, 00.45 |
| | | | | | | |
| 2-4km ESF | Recorded | 1 | Explosion | Impact | N/K | 6-Jul, 03:00 |
| 2-4KIII LSL | Recorded | 1 | Explosion | Impact | 11/1 | 0- J ul, 05.00 |
| | | | | | | |
| 3-5km S | Recorded | 1 | Projectile | W to F | N/K | 5-Jul, 21:21 |
| | | | 5 | | | 5-Jul, 21:40 |
| | Recorded | 6 | | | N/K | 5-Jul, 21:42 |
| 3-5km SSE | Recorded | 1 | Projectile | E to W | N/K | 5-Jul, 22:10 |
| 2-4km SSE | Recorded | 24 | Projectile | ENE to WSW | N/K | 5-Jul, 22:11 |
| | | 5 | | ENE to WSW | | 5-Jul, 22:12 |
| | | | | | | 5-Jul, 22:16 |
| | | - | U U | | | 5-Jul, 22:17 |
| | | | | | | 5-Jul, 22:17 |
| | | - | | | | 5-Jul, 22:18 |
| | | | | | | 5-Jul, 23:33 5-Jul, 23:34 |
| | | | U U | | | 6-Jul, 23.34 |
| | | | | | | 6-Jul, 00:13 |
| | | | | | | 6-Jul, 00:15 |
| | | - | | | | 6-Jul, 00:16 |
| | | | | | | 6-Jul, 00:16 |
| | | - | | | | 6-Jul, 00:16 |
| | | | | | | 6-Jul, 00:36 |
| | | 1 | | | | 6-Jul, 01:08 |
| | | 3 | | | | 6-Jul, 01:26 |
| 3-5km S | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 01:26 |
| 2-4km SSE | Recorded | 8 | Projectile | W to E | N/K | 6-Jul, 01:57 |
| 2-4km S | Recorded | 4 | Projectile | WNW to ESE | N/K | 6-Jul, 02:09 |
| | Recorded | 4 | Projectile | W to E | N/K | 6-Jul, 02:02 |
| | | | | | | 6-Jul, 02:08 |
| | | | | | | 6-Jul, 02:13 |
| | | | | | | 6-Jul, 02:13 |
| | | | 5 | | | 6-Jul, 02:14 |
| | | - | | | | 6-Jul, 02:18 |
| | | | | | | 6-Jul, 02:25 |
| | | | | | | 6-Jul, 02:26 |
| | | | | WIDE | | 6-Jul, 02:38 6-Jul, 02:38 |
| | | | | W to F | | 6-Jul, 02:48 |
| | | | | | | 6-Jul, 02:40 |
| | | | | | | 6-Jul, 03:04 |
| | | 1 | | | | 6-Jul, 03:04 |
| | | | | | | 6-Jul, 03:05 |
| | | | | | | 6-Jul, 03:10 |
| 2-4km S | Recorded | 6 | Projectile | W to E | N/K | 6-Jul, 03:15 |
| 2-4km S | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 03:15 |
| 2-4km S | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 03:32 |
| 2-4km S | Recorded | 2 | Projectile | W to E | N/K | 6-Jul, 03:33 |
| 2-4km S | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 03:33 |
| 2-4km SE | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 09:00 |
| 1-2km S | Heard | 1 | Burst | | Small | 6-Jul, 11:10 |
| | | | | | arms | · · |
| | Heard | | Explosion | | | 6-Jul, 12:16 |
| 2-4km SE | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 12:54 |
| | | | | | | |
| 3.5km MME | Haard | 1 | Explosion | Undetermined | N/F | 6 101 00.42 |
| 5-JKIII ININE | nearu | 1 | Explosion | Undetermined | 1N/ K | 6-Jul, 08:42 |
| | 1 | 1 | 1 | 1 | | |
| | 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 3-5km S 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km S 3-5km S 3-5km S 3-5km S 3-5km S 2-4km SSE 2-4km SSE 2-4km SSE 2-4km SSE 2-4km S 2-4km S 3-5km S | 2-4km ESERecorded3-5km SRecorded2-4km SSERecorded2-4km SSERecorded3-5km SRecorded3-5km S <t< td=""><td>2-4km ESERecorded13-5km SRecorded12-4km SSERecorded272-4km SSERecorded63-5km SSERecorded12-4km SSERecorded242-4km SSERecorded22-4km SSERecorded22-4km SSERecorded62-4km SSERecorded12-4km SSERecorded13-5km SRecorded12-4km SSERecorded12-4km SSERecorded33-5km SRecorded12-4km SSERecorded43-5km SRecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SRecorded13-5km SRecorded1<trr>3-5km SRecorded1<!--</td--><td>2-4km ESERecorded1Explosion3-5km SRecorded27Projectile2-4km SSERecorded27Projectile2-4km SSERecorded1Projectile2-4km SSERecorded24Projectile2-4km SSERecorded24Projectile2-4km SSERecorded5Projectile2-4km SSERecorded6Projectile2-4km SSERecorded6Projectile2-4km SSERecorded1Projectile2-4km SSERecorded10Projectile2-4km SSERecorded10Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded3Projectile2-4km SSERecorded1Explosion3-5km SRecorded1Projectile2-4km SSRecorded3Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile2-4km SSRecorded4Projectile2-4km SSRecorded1Projectile<td>6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile<</td><td>6-8km NNE Recorded 1 Illumination flare In vertical flight N/K 2-4km ESE Recorded 1 Explosion Impact N/K 3-5km S Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 27 Projectile ENE to WSW N/K 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 2-4km SSE Recorded 24 Projectile ENE to WSW N/K 2-4km SSE Recorded 5 Projectile ENE to WSW N/K 2-4km SSE Recorded 6 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE</td></td></trr></td></t<> | 2-4km ESERecorded13-5km SRecorded12-4km SSERecorded272-4km SSERecorded63-5km SSERecorded12-4km SSERecorded242-4km SSERecorded22-4km SSERecorded22-4km SSERecorded62-4km SSERecorded12-4km SSERecorded13-5km SRecorded12-4km SSERecorded12-4km SSERecorded33-5km SRecorded12-4km SSERecorded43-5km SRecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SSERecorded12-4km SRecorded13-5km SRecorded1 <trr>3-5km SRecorded1<!--</td--><td>2-4km ESERecorded1Explosion3-5km SRecorded27Projectile2-4km SSERecorded27Projectile2-4km SSERecorded1Projectile2-4km SSERecorded24Projectile2-4km SSERecorded24Projectile2-4km SSERecorded5Projectile2-4km SSERecorded6Projectile2-4km SSERecorded6Projectile2-4km SSERecorded1Projectile2-4km SSERecorded10Projectile2-4km SSERecorded10Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km SSERecorded11Projectile2-4km 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SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile<</td> <td>6-8km NNE Recorded 1 Illumination flare In vertical flight N/K 2-4km ESE Recorded 1 Explosion Impact N/K 3-5km S Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 27 Projectile ENE to WSW N/K 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 2-4km SSE Recorded 24 Projectile ENE to WSW N/K 2-4km SSE Recorded 5 Projectile ENE to WSW N/K 2-4km SSE Recorded 6 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE</td> | 6-8km NNERecorded1Illumination flareIn vertical flight2-4km SERRecorded1ExplosionImpact3-5km SRecorded1ProjectileW to E2-4km SSERecorded27ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded1ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded24ProjectileENE to WSW2-4km SSERecorded2ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded6ProjectileW to E2-4km SSERecorded1ProjectileE to W2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded1ProjectileW to E2-4km SSERecorded3ProjectileW to E2-4km SSERecorded1ExplosionImpact3-5km SRecorded1ExplosionImpact2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1ExplosionW to E2-4km SSERecorded1Projectile< | 6-8km NNE Recorded 1 Illumination flare In vertical flight N/K 2-4km ESE Recorded 1 Explosion Impact N/K 3-5km S Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 27 Projectile ENE to WSW N/K 2-4km SSE Recorded 1 Projectile ENE to WSW N/K 2-4km SSE Recorded 24 Projectile ENE to WSW N/K 2-4km SSE Recorded 5 Projectile ENE to WSW N/K 2-4km SSE Recorded 6 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile E to W N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE Recorded 1 Projectile W to E N/K 2-4km SSE |

| | 3-5km SSW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 08:44 |
|--|--------------|------------------|----|-----------|--------------|---------------|-----------------------|
| | 4-6km SSW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 08:47 |
| | 3-4km SSW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 08:52 |
| About 1.5km NW | 1-2km SSW | Heard | 1 | Shot | | Small arms | 6-Jul, 08:57 |
| of Yasynuvata | 3-4km W | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 09:01 |
| (non-government- controlled, 16km NE of Donetsk) | 1-2km W | Heard | 5 | Shot | | Small arms | 6-Jul, 09:03 |
| NE OI DOIleisk) | 2-3km WNW | Heard | 1 | Explosion | Outgoing | N/K | 6-Jul, 09:08 |
| | 2-3km WNW | Heard | 1 | Explosion | Impact | N/K | 6-Jul, 09:08 |
| About 1km NW | 4-5km W | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 09:25 |
| of the railway | 3-5km W | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 09:33-09:35 |
| station in Yasynuvata (non- | 3-6km N | Heard | 3 | Explosion | Undetermined | N/K | 6-Jul, 09:45 |
| government- | 2-3km N | Heard | 10 | Shot | | HMG | 6-Jul, 09:46 |
| controlled, 16km NE of Donetsk) | 2-3km N | Heard | 12 | Shot | | Small arms | 6-Jul, 09:46 |
| , | 2-3km SW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 10:11 |
| Yasynuvata Railway station | 3-5km WNW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 12:05 |
| (non-government- controlled, 16km | 2-4km WNW | Heard | 4 | Shot | | Small arms | 6-Jul, 12:12 |
| NE of Donetsk) | 1-2km NW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 12:16 |
| About 1km E of Kruta Balka (non- government- controlled, 16km N of Donetsk) | 4-6km W | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 11:20 |
| Marinka (government- | 2-3km E | Heard | 10 | Explosion | Undetermined | N/K | 6-Jul, 12:47-12:55 |
| controlled, 23km SW of Donetsk) | 1km E | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 12:55 |
| About 3.5km NE of Heorhiievka (government- controlled, 27km SW of Donetsk) | 1-2km SE | Heard and saw | 1 | Burst | Airburst | N/K | 6-Jul, 12:54 |
| About 1km NNE of Zaichenko (non-government- controlled, 26km NE of Mariupol) | 2-3km WSW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 11:08 |
| Pikuzy (formerly Kominternove, | 500m S | Heard | 11 | Shot | | Small arms | 6-Jul, 12:10-12:25 |
| non-government- | 500m NNW | Heard | 9 | Shot | | Small arms | 6-Jul, 12:10-12:25 |
| controlled, 23km NE of Mariupol) | 500m WNW | Heard | 24 | Burst | | Small arms | 6-Jul, 12:10-12:25 |
| 500m NNW of Pyshchevyk | 3-5km NNE | Heard | 32 | Explosion | Undetermined | N/K | 6-Jul, 13:19-13:27 |
| (government- controlled, 25km NE of Mariupol) | 4-7km WSW | Heard | 7 | Explosion | Undetermined | N/K | 5-Jul, 20:25-20:35 |
| _ _ / | 4-7km WSW | Heard | 7 | Explosion | Undetermined | N/K | 5-Jul, 20:37-20:45 |
| Svitlodarsk | 4-6km SW | Heard | 3 | Explosion | Undetermined | N/K | 5-Jul, 22:13-22:15 |
| (government- controlled, 57km | 3-5km SW | Heard | 2 | Explosion | Undetermined | N/K | 5-Jul, 22:58-23:00 |
| NE of Donetsk) | 3-5km SW | Heard | 1 | Explosion | Undetermined | N/K | 5-Jul, 23:18 |
| | 5-7km SW | Heard | 6 | Explosion | Undetermined | N/K | 6-Jul, 07:59 |
| | 5-7km SW | Heard | 7 | Explosion | Undetermined | N/K | 6-Jul, 09:02 |
| | 5-7km SW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 11:05 |

| Positiva (non- government- controlled, 39km) Heard Heard 2 Persposion Undeermined Undeermined N/K 5-Jul, 19:25 5-7km NW Heard 3 Explosion Undeermined N/K 5-Jul, 19:25 5-7km NW Heard 1 Explosion Undeermined N/K 5-Jul, 19:25 5-7km NW Heard 1 Explosion Undeermined N/K 5-Jul, 29:20 4-6km Heard 1 Explosion Undeermined N/K 5-Jul, 20:28 4-6km Heard 1 Burst HMG 6-Jul, 01:39 4-6km W Heard 1 Explosion Undeermined N/K 6-Jul, 02:24 5-7km Heard 1 Explosion Undeermined N/K 6-Jul, 02:24 6-6km W Heard 1 Explosion Undeermined N/K 6-Jul, 02:24 5-7km Heard 1 Explosion Undeermined N/K 6-Jul, 02:47 7/km Heard 1 Explosion </th <th></th> <th>2.51 GW</th> <th>TT 1</th> <th></th> <th>F 1 '</th> <th>TT 1 / 1</th> <th>NT/17</th> <th>6 1 1 17 01</th> | | 2.51 GW | TT 1 | | F 1 ' | TT 1 / 1 | NT/17 | 6 1 1 17 01 |
|---|---|-----------|----------|----|--------------------|---|-------|--------------|
| Fram NW Heard 3 Explosion Undetermined N/K 5-Jul, 19-25 5.7km NW Heard 1 Explosion Undetermined N/K 5-Jul, 20-20-11 5.7km NW Heard 1 Explosion Undetermined N/K 5-Jul, 20-20-20-10 4.6km Warw Heard 1 Explosion Undetermined N/K 5-Jul, 20-20-20-20-20-20-20-20-20-20-20-20-20-2 | | 3-5km SW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 17:21 |
| S-7km NW Heard 3 Explosion Undetermined N/K S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- S-1d, 20:20- 20:20-20:30 4-6km W Heard 1 Explosion Undetermined N/K S-1d, 20:20- 20:20-20:30 4-6km W Heard 1 Burst Indetermined N/K S-1d, 10:29.58 4-6km W Heard 1 Burst Indetermined N/K 6-1d, 01:31 4-6km W Heard 1 Burst Indetermined N/K 6-1d, 02:24 5-7km WW Heard 12 Burst Indetermined N/K 6-1d, 02:24 5-7km WW Heard 12 Burst Indetermined N/K 6-1d, 02:24 5-7km WW Heard 3 Burst Indetermined N/K 6-1d, 03:30 5-7km WW Heard 1 Explosion Undetermined N/K 6-1d, 03:30 5-7km SW Heard 2 Explosion Undetermined N/K 6-1d, 03:30 | | | | | | Undetermined | | |
| 5-7km NW Heard 1 Explosion Undetermined N/K 5-Jul, 20:20 4-6km Heard 1 Explosion Undetermined N/K 5-Jul, 20:20 3-Jul, 20:28 4-6km Heard 1 Explosion Undetermined N/K 5-Jul, 20:29 3-Jul, 20:29 4-6km Heard 1 Burst HMG 6-Jul, 01:31 4-6km Heard 1 Burst HMG 6-Jul, 01:24 4-6km Heard 1 Explosion Undetermined N/K 6-Jul, 01:24 4-6km Heard 1 Explosion Undetermined N/K 6-Jul, 01:24 5-7km Heard 12 Burst HMG 6-Jul, 02:47 02:25-02:26 4-6km Heard 13 Explosion Undetermined N/K 6-Jul, 02:47 2-3km Heard 1 Explosion Undetermined N/K 6-Jul, 03:05 7-7km Heard 1 Explosion Undetermined | | | | | - | | | 5-Jul, |
| Horikva (non- government- controlled, 20km) Heard 4 Burst HMG 5-Jul, 20:29-20:30 Horikva (non- government- controlled, 20km) Heard 1 Burst HMG 6-Jul, 01-J1 4-6km W Heard 1 Burst Image: second se | | | | | - | | | |
| wnw Heard 4 Burst HNC 20:29-20:30 4 -bin Heard 1 Explosion Undeternined N/K 5-Jul. 20:30 4 -bin Heard 1 Burst HMG 6-Jul. 01:41 4 -bin Heard 1 Burst HMG 6-Jul. 01:59 4 -bin Heard 1 Burst HMG 6-Jul. 02:14-02:17 $57km$ Heard 1 Explosion Undetermined N/K 6-Jul. 02:24-02:61 $57km$ Heard 1 Explosion Undetermined N/K 6-Jul. 02:24-02:51 60 mW Heard 1 Explosion Undetermined N/K 6-Jul. 02:43-02:51 $57km$ Heard 3 Burst Small 6-Jul. 02:43-02:51 $57km$ Heard 1 Explosion Undetermined N/K 6-Jul. 02:43-02:51 $57km$ Heard 1 Explosion Undetermined N/K 6-Jul. 02:56 $57km$ Heard< | | | | 1 | | Undetermined | | |
| WNW Heard 1 Explosion Undetermined N/K 6-Jul, 2/35 4-6km W Heard 1 Burst HMG 6-Jul, 01:41 4-6km W Heard 1 Burst HMG 6-Jul, 01:41 4-6km W Heard 7 Burst HMG 6-Jul, 02:24 5-7km WNW Heard 1 Explosion Undetermined N/K 6-Jul, 02:24 900rmmeth- controlled, 39km Frikm Heard 12 Burst HMG 6-Jul, 02:47 2-3km W Heard 13 Burst HMG 6-Jul, 02:47 2-3km W Heard 3 Burst HMG 6-Jul, 02:47 2-3km W Heard 1 Explosion Undetermined N/K 6-Jul, 02:47 2-3km W Heard 1 Explosion Undetermined N/K 6-Jul, 02:40 4-6km NV Heard 1 Explosion Undetermined N/K 6-Jul, 02:40 5-7km WNW | | WNW | Heard | 4 | Burst | | HMG | |
| | | | Heard | 1 | Explosion | Undetermined | N/K | 5-Jul, 20:58 |
| | | | Heard | 1 | Burst | | HMG | 6-Jul, 01:41 |
| | | 4-6km W | Heard | 1 | Burst | | HMG | |
| | | 4-6km W | Heard | 7 | Burst | | HMG | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | WNW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 02:24 |
| | | | Heard | 4 | Burst | | HMG | 02:25-02:26 |
| NE of DonetskyWNWHeard3ExplosionUndeterminedN/K6-Jul, 02:472.3km WHeard5Burstarms $6Jul, 02:47-02:51$ 4-6km WHeard3Burstarms $02:49-02:51$ 5.7kmHeard1ExplosionUndeterminedN/K $6-Jul, 03:03$ 5.7kmHeard1ExplosionUndeterminedN/K $6-Jul, 04:57$ 4.6km NWHeard2ExplosionUndeterminedN/K $6-Jul, 05:66$ 4.6km NWHeard2ExplosionUndeterminedN/K $6-Jul, 05:66$ 5.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 05:66$ 5.7kmHeard8ExplosionUndeterminedN/K $6-Jul, 17:28-17:44$ 5.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 8ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ $6-Jul, 17:28-17:48$ 95.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 96.7kmHeard7ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 106.7kmHeard8ExplosionUndeterminedN/K $6-Jul, 17:28-17:48$ 2.9km8Recorded1ExplosionUndeterminedN/K $6-Jul, 02:07$ 10101010101010101010101010 | `` | 4-6km W | Heard | 12 | Burst | | HMG | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | Heard | 3 | Explosion | Undetermined | N/K | 6-Jul, 02:47 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 2-3km W | Heard | 5 | Burst | | | |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | 4-6km W | Heard | 3 | Burst | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 04:15 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 5-7km | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 04:57 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 07:56 |
| $\frac{WNW}{5.7km} + Heard 7 = Explosion Undetermined N/K = 17:28-17:44 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 17:46-17:58 \\ 5.7km + Heard 7 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 8 = Explosion Undetermined N/K = 6-Jul, 18:01-18:13 \\ 5.7km + Heard 1 = Explosion Undetermined N/K = 6-Jul, 09:07 \\ controlled, 20km + N/K = 2.3km S = Heard 1 = Explosion Undetermined N/K = 6-Jul, 09:07 \\ ontrolled, 20km + N/K = 5.7km SSE + Heard 1 = Explosion Undetermined N/K = 5.7km SSE + Heard 1 = Explosion Undetermined N/K = 5.7km SSE + Recorded 1 = In vertical flight (assessed as outside the disengagement area) = N/K = 5.7km (assessed as inside the disengagement area) = N/K = 6.7ul, 01:55 \\ SMM camera in Zolote (government-controlled, 60km + 2.4km SSE + Recorded 1 = Projectile + Recorded 2 = Projectile + Recorded 1 = Projectile + Recorded A = N/K = 6.7ul, 01:55 \\ 2.4km SSE + Recorded 1 = Projectile + Recorded A = Recorde A = $ | | | Heard | 2 | Explosion | Undetermined | N/K | |
| WNWHeard8ExplosionUndeterminedN/K17:46-17:585-7km WNWHeard7ExplosionUndeterminedN/K6-Jul, 18:01-18:13About 500m Ne of Kamiaka (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 18:17-18:28About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileMNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:55SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileMSW to E (assessed as inside the disengagement area)N/K6-Jul, 02:30 | | | Heard | 7 | Explosion | Undetermined | N/K | |
| $\frac{5.7 \text{km}}{\text{WNW}} \text{Heard} 7 \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad \frac{6.3 \text{Ll}}{18:01-18:13} \\ \frac{5.7 \text{km}}{\text{WNW}} \text{Heard} \qquad 8 \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad \frac{6.3 \text{Ll}}{18:01-18:13} \\ \frac{4 \text{About 500m NE}}{\text{of Kamianka}} \\ (government-controlled, 20 \text{km}}{\text{N of Donetsk}} \qquad 2.3 \text{km S} \qquad \text{Heard} \qquad 1 \text{Explosion} \qquad \text{Undetermined} \qquad N/K \qquad 6.3 \text{Ll}, 09:07 \\ \frac{5.7 \text{km}}{\text{N of Donetsk}} \qquad \frac{5.7 \text{km SSE}}{\text{SMM camera in}} \frac{8 \text{ecorded}}{1} 1 \text{Illumination flare} \qquad \text{In vertical flight} \\ \frac{6.3 \text{Gasessed as}}{(assessed as} \text{outside the} \\ \frac{6.3 \text{Gasessed as}}{(assessed as} \text{outside the} \\ \frac{2.4 \text{km SSE}}{\text{Controlled}, 60 \text{km}} \\ \text{W of Luhansk} \qquad \frac{2.4 \text{km SE}}{\text{W SE}} \frac{\text{Recorded}}{1} 1 \frac{2}{\text{Projectile}} \qquad \frac{\text{WNW to ESE}}{(assessed as} \text{inside the} \\ \frac{6.3 \text{Gasessed as}}{\text{inside the}} \\ 6.3 \text{Gasesse$ | | | Heard | 8 | Explosion | Undetermined | N/K | |
| 5-7km WNWHeard8ExplosionUndeterminedN/K6-Jul, 18:17-18:28About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07About 500m Ne (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWito E (assessed as inside the disengagement area)N/K6-Jul, 02:30 | | 5-7km | Heard | 7 | Explosion | Undetermined | N/K | 6-Jul, |
| About 500m NE of Kamianka (government- controlled, 20km N of Donetsk)2-3km SHeard1ExplosionUndeterminedN/K6-Jul, 09:07SMM camera in Zolote (government- controlled, 60km W of Luhansk)5-7km SSERecorded1Illumination flareIn vertical flight (assessed as outside the area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)6-Jul, 02:30 | | | Heard | 8 | Explosion | Undetermined | N/K | |
| 5-7km SSERecorded1Illumination flare(assessed as outside the disengagement area)N/K5-Jul, 21:19SMM camera in Zolote (government- controlled, 60km2-4km SSERecorded1ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 01:552-4km SERecorded2ProjectileWNW to ESE (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWto E (assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileWto E (assessed as inside the disengagement area)N/K6-Jul, 02:30 | of Kamianka (government- controlled, 20km | | Heard | 1 | Explosion | Undetermined | N/K | |
| SMM camera in Zolote (government- controlled, 60km W of Luhansk)2-4km SSERecorded1Projectile(assessed as inside the disengagement | | 5-7km SSE | Recorded | 1 | Illumination flare | (assessed as outside the disengagement area) | N/K | 5-Jul, 21:19 |
| controlled, 60km W of Luhansk)2-4km SERecorded2Projectile(assessed as inside the disengagement area)N/K6-Jul, 02:302-4km SSERecorded1ProjectileW to E (assessed as inside the disengagement area)N/K6-Jul, 02:30 | | 2-4km SSE | Recorded | 1 | Projectile | (assessed as inside the disengagement area) | N/K | 6-Jul, 01:55 |
| 2-4km SSE Recorded 1 Projectile (assessed as inside the disengagement area) N/K 6-Jul, 02:30 | controlled, 60km | 2-4km SE | Recorded | 2 | Projectile | (assessed as inside the disengagement area) | N/K | 6-Jul, 02:30 |
| | | 2-4km SSE | Recorded | 1 | Projectile | (assessed as inside the disengagement | N/K | 6-Jul, 02:30 |
| | | 2-4km SSE | Recorded | 1 | Muzzle flash | / | N/K | 6-Jul, 02:30 |

| Wedge of Pervomisk (non- government- controlled, Skm W 2-2.5km W Heard 1 Explosion Undetermined NK 6-Jul, 11:15 Nedge of Pervomisk (non- government- controlled, Skm V 1-4.5km W Heard 15 Burst Small arms 13:00-13:01 W of Luhansk) W of Luhansk 1 W of Luhansk 1 N dege of Pervomisk (non- government- controlled, Skm V 1-4.5km V Heard 15 Burst Small arms 13:00-13:01 W of Luhansk 1 N dege of Pervomisk (non- government- controlled, Skm V 1-4.5km V 1-5.5km V 1- | | | | | | inside the disengagement area (subsequent to the previous event) | | |
|---|---|------------|----------|----|--------------------|---|-----|--------------|
| Per-omaisk (non- government- controlled,58km 4-5km W Heard 15 Burst Small surst Small arms 6-Jul, 13:00-13:01 W of Luhansk) 4-6km ESE Recorded 1 Illumination flaw in our camerais In vertical flight (also recorded by Oktiabr Mine and DFS cameras) N/K 6-Jul, 22:49 SMM camera in Avdiva 4-6km ESE Recorded 1 Illumination flaw in our camerasis N/K 6-Jul, 22:49 (government- controlled, 17km N of Donetsk) 4-6km ESE Recorded 1 Illumination flaw in our camerasis In vertical flight (also recorded by Oktiabr Mine and DFS cameras) N/K 7-Jul, 03:02 4-6km ESE Recorded 1 Illumination flaw in our camerasis N/K 7-Jul, 03:02 4-6km ESE Recorded 1 Illumination flaw in our camerasis N/K 6-Jul, 21:23 4-6km ESE Recorded 1 Projectile ENE to WSW N/K 6-Jul, 21:23 4-6km ESE Recorded 1 Projectile Camerasis N/K 6-Jul, 21:23 4-6km ESE Recorded 1 Projectile | Pervomaisk (non- government- controlled,58km W of Luhansk) | 2-2.5km W | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 11:15 |
| SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded Recorded1Illumination flare by Oktaber Mine and DFS cameras)N/K6-Jul, 22:49SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded1Illumination flare in vertical flight (also recorded) in the vertical flight (also recorded) in the vertical flight (also recorded) by Oktaber Mine and DFS cameras)N/K7-Jul, 03:02 and DFS cameras)Avdiivka (government- controlled, 17km N of Donetsk)4-6km ESE kRecorded1Illumination flare in the post of the post of t | Pervomaisk (non- government- controlled,58km | 4-5km W | Heard | 15 | Burst | | | , |
| SMM camera in Avdityka (government- controlled, 17km N of Donetsk)4-6km ESERecorded1Illumination flare and L(also recorded by Oktiabr Mine and DFS cameras)N/K7-Jul, 03:024-6km ESERecorded1Illumination flareIn vertical flight (also recorded by Oktiabr Mine and DFS cameras)N/K7-Jul, 03:054-6km ESERecorded1Illumination flareIn vertical flight, (also recorded by Mine and DFS cameras)N/K7-Jul, 03:054-6km ESERecorded1Illumination flareIn vertical flight, (also recorded by Mine and DFSN/K6-Jul, 21:282-4km SSERecorded1ProjectileENE to WSWN/K6-Jul, 21:282-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:292-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:212-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:322-4km SSERecorded <td></td> <td>4-6km ESE</td> <td>Recorded</td> <td>1</td> <td>Illumination flare</td> <td>(also recorded by Oktiabr Mine and DFS</td> <td>N/K</td> <td>6-Jul, 22:49</td> | | 4-6km ESE | Recorded | 1 | Illumination flare | (also recorded by Oktiabr Mine and DFS | N/K | 6-Jul, 22:49 |
| (government- controlled, 17km N of Donetsk)4-6km ESERecorded1Illumination flare lumination flareIn vertical flight (also recorded by Oktiab Mine and DFS | | 4-6km ESE | Recorded | 1 | Illumination flare | (also recorded by Oktiabr Mine and DFS | N/K | 7-Jul, 03:02 |
| SMM camera in Chermalyk (government- controlled, 31km NE of MariupolRecorded Recorded1Illumination flareflight. (also recorded by | controlled, 17km | 4-6km ESE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Oktiabr Mine and DFS | N/K | 7-Jul, 03:05 |
| SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSE RecordedRecorded1Projectile ExplosionENE to WSW (also recorded by Pyshchevyk camera)N/K6-Jul, 21:283-5km SSE | | 4-6km ESE | Recorded | 1 | Illumination flare | flight. (also recorded by Oktiabr Mine and DFS | N/K | 7-Jul, 03:08 |
| SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)Recorded1ExplosionUndetermined (also recorded by Pyshchevyk camera)N/K6-Jul, 21:283.5km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:313-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded1ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1 | | 2-4km SSE | Recorded | 1 | Projectile | , | N/K | 6-Iul 21.28 |
| 2-4km SSERecorded2ExplosionUndeterminedN/K6-Jul, 21:292-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:312-4km SSERecorded1ExplosionUndetermined6-Jul, 21:319-12km SSERecorded1ExplosionN/K6-Jul, 21:359-12km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:373-5km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1Projectile | | | | | | Undetermined (also recorded by Pyshchevyk | | |
| SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:313-5km SSERecorded1ExplosionInvertical flight VoltantN/K6-Jul, 21:353-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded15ProjectileIn vertical flight VSW to ENEN/K6-Jul, 21:372-4km SSERecorded1ProjectileIn vertical flight | | 2-4km SSE | Recorded | 2 | Explosion | | N/K | 6-Jul. 21:29 |
| SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ExplosionUndetermined recorded by Pyshchevyk camera)003-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded15ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:302-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:202-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| SMM camera in Chermalyk (government- controlled, 31km NE of Mariupol)9-12km SSERecorded1ExplosionAirburst (also recorded by Pyshchevyk camera)N/K6-Jul, 21:353-5km SSERecorded15ProjectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:372-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km | | | | - | | | | |
| Chermalyk (government- controlled, 31km NE of Mariupol)3-5km SSERecorded15110jectileWSW to ENEN/K6-Jul, 21:372-4km SSERecorded5ProjectileIn vertical flightN/K6-Jul, 21:392-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW t | | 9-12km SSE | Recorded | | | Airburst (also recorded by Pyshchevyk camera) | | 6-Jul, 21:35 |
| (government- controlled, 31km NE of Mariupol)2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6 | | | | 15 | U | | | |
| Controlled, 31km NE of Mariupol)2-4km SSERecorded1FlojectileWSW to ENEN/K6-Jul, 21:402-4km SSERecorded1ExplosionUndeterminedN/K6-Jul, 21:582-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:24 | | | | 5 | 3 | U | | |
| NE of Mariupol)2-4km SERecorded1ExplosionOndeterminedN/K6-Jul, 21.382-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:24 | | | | 1 | | | | |
| 2-4kin SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:022-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:032-4km SERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:192-4km SSERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:24 | | | | | | | | |
| 2-4km SERecorded1ExplosionImpactN/K6-Jul, 22:032-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | NE OF Manupol) | | | | U | | | |
| 2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:042-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | | 1 | U | WSW to ENE | | |
| 2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:052-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | Recorded | 1 | Explosion | 1 | | |
| 2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:082-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | | 1 | | | | |
| 2-4km SSERecorded1ProjectileWSW to ENEN/K6-Jul, 22:182-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | Recorded | 1 | | WSW to ENE | | |
| 2-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | Recorded | 1 | Projectile | WSW to ENE | | |
| 2-4km SERecorded1ExplosionImpactN/K6-Jul, 22:192-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | | Recorded | 1 | | WSW to ENE | N/K | |
| 2-4km SSERecorded5ProjectileWSW to ENEN/K6-Jul, 22:242-4km SSERecorded4ProjectileWSW to ENEN/K6-Jul, 22:26 | | 2-4km SE | Recorded | 1 | Explosion | Impact | N/K | 6-Jul, 22:19 |
| 2-4km SSE Recorded 4 Projectile WSW to ENE N/K 6-Jul, 22:26 | | 2-4km SSE | Recorded | 5 | | WSW to ENE | | |
| | | | | 4 | | | | |
| 2-4km SSE Recorded / Projectile WSW to ENE N/K 6-Jul, 22:27 | | 2-4km SSE | Recorded | 7 | Projectile | WSW to ENE | N/K | 6-Jul, 22:27 |
| 2-4km SSE Recorded 5 Projectile WSW to ENE N/K 6-Jul, 22:32 | | | | 5 | | | | |

| r | 1 | n | r | T | • | 1 | 1 |
|--------------------------------|------------------|----------|----|--------------------|---|-----|--------------|
| | 2-4km SSE | Recorded | 1 | Projectile | WSW to ENE | N/K | 6-Jul, 22:33 |
| | 0.5-1.5km SSE | Recorded | 7 | Projectile | WNW to ESE | N/K | 6-Jul, 22:38 |
| | 2-4km SSE | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 22:39 |
| | 2-4km SSE | Recorded | 4 | Explosion | Undetermined | N/K | 6-Jul, 22:39 |
| | 0.5-1.5km SSE | Recorded | 4 | Projectile | WNW to ESE | N/K | 6-Jul, 22:39 |
| | 0.5-1.5km SSE | Recorded | 9 | Projectile | WNW to ESE | N/K | 6-Jul, 22:40 |
| | 0.5-1.5km SSE | Recorded | 4 | Projectile | WNW to ESE | N/K | 6-Jul, 22:41 |
| | 0.5-1.5km SSE | Recorded | 18 | Projectile | WNW to ESE | N/K | 6-Jul, 22:42 |
| | 0.5-1.5km SSE | Recorded | 20 | Projectile | WNW to ESE | N/K | 6-Jul, 22:43 |
| | 2-4km SSE | Recorded | 1 | Projectile | In vertical flight | N/K | 6-Jul, 22:47 |
| | 9-12km SSE | Recorded | 2 | Explosion | Undetermined (also recorded by Pyshchevyk camera) | N/K | 6-Jul, 23:31 |
| | 9-12km SSE | Recorded | 11 | Projectile | E to W (also recorded by Pyshchevyk camera) | N/K | 6-Jul, 23:31 |
| | 9-12km SSE | Recorded | 7 | Projectile | E to W (undetermined, also recorded by Pyshchevyk camera) | N/K | 6-Jul, 23:32 |
| | 3-5km SSE | Recorded | 1 | Explosion | Undetermined | N/K | 6-Jul, 23:32 |
| | 9-12km SSE | Recorded | 1 | Burst | WSW to ENE (approx. 20 | N/K | 6-Jul, 23:42 |
| | 9-12km SSE | Recorded | 5 | Projectile | rounds) WSW to ENE (also recorded by Pyshchevyk camera) | N/K | 6-Jul, 23:43 |
| | 3-5km SSE | Recorded | 2 | Projectile | In vertical flight | N/K | 7-Jul, 00:00 |
| | 3-5km SSE | Recorded | 7 | Explosion | Airburst | N/K | 7-Jul, 00:00 |
| | 3-5km S | Recorded | 1 | Muzzle flash | | N/K | 7-Jul, 00:32 |
| | 3-5km S | Recorded | 17 | Projectile | ENE to WSW | N/K | 7-Jul, 00:32 |
| | 2-4km SE | Recorded | 14 | Projectile | In vertical flight | N/K | 7-Jul, 00:37 |
| | 2-4km SE | Recorded | 3 | Projectile | In vertical flight | N/K | 7-Jul, 00:38 |
| | 2-4km SSW | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Avdiivka and Oktiabr Mine cameras) | N/K | 6-Jul, 22:49 |
| | 1-2km S | Recorded | 1 | Projectile | NW to SE | N/K | 6-Jul, 23:57 |
| | 1-2km S | Recorded | 1 | Projectile | NW to SE | N/K | 7-Jul, 00:15 |
| | 2-4km SSW | Recorded | 1 | Projectile | NNW to SSE | N/K | 7-Jul, 02:16 |
| | 2-4km SSW | Recorded | 1 | Projectile | NNW to SSE | N/K | 7-Jul, 02:20 |
| SMM camera at | 2-4km SSW | Recorded | 1 | Projectile | In vertical flight | N/K | 7-Jul, 02:20 |
| Donetsk Filtration | 1-2km SSE | Recorded | 1 | Projectile | W to E | N/K | 7-Jul, 02:27 |
| Station (15km N of Donetsk) | 2-4km SSW | Recorded | 1 | Illumination flare | In vertical flight. (also recorded by Avdiivka and Oktiabr Mine cameras) | N/K | 7-Jul, 03:02 |
| | 2-4km SSW | Recorded | 1 | Illumination flare | In vertical flight. (also recorded by Avdiivka and Oktiabr Mine | N/K | 7-Jul, 03:05 |

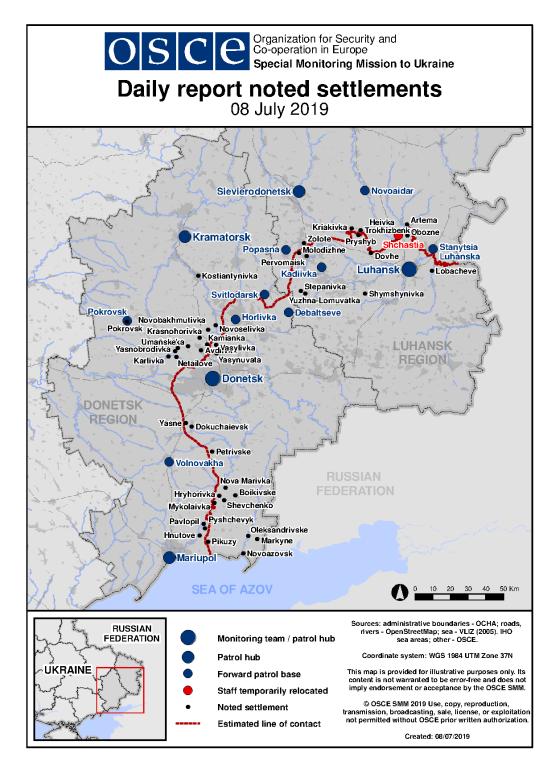
| | | | | | \ \ | | |
|---|--------------------|----------|----|----------------------------|---|------------|--------------|
| | 2-4km SSW | Recorded | 1 | Illumination flare | cameras) In vertical flight. (also recorded by Avdiivka and Oktiabr Mine cameras) | N/K | 7-Jul, 03:08 |
| | 2.41 0 | D 11 | 1 | D : (1 | / | NI/IZ | 7.1.1.02.05 |
| | 2-4km S | Recorded | 1 | Projectile | W to E | N/K | 7-Jul, 03:05 |
| | 2-4km SSW | Recorded | 1 | Projectile | W to E | N/K | 7-Jul, 03:07 |
| | 2-4km E | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 21:31 |
| | 2-4km E | Recorded | 1 | Projectile | NW to SE | N/K | 6-Jul, 21:31 |
| | 2-4km E | Recorded | 1 | Burst | N to S (approx. 50 rounds) | N/K | 6-Jul, 21:36 |
| | 2-4km E | Recorded | 8 | Projectile | NW to SE | N/K | 6-Jul, 21:37 |
| | 2-4km E | Recorded | 2 | Explosion | Undetermined | N/K | 6-Jul, 21:40 |
| | 2-4km E | Recorded | 1 | Projectile | NW to SE | N/K | 6-Jul, 21:40 |
| | 1-2km E | Recorded | 1 | Projectile | NW to SE | N/K | 6-Jul, 21:40 |
| | 2-4km E | Recorded | 1 | Projectile | S to N | N/K | 6-Jul, 21:56 |
| | 2-4km E | Recorded | 8 | Projectile | NNW to SSE | N/K | 6-Jul, 22:24 |
| | 2-4km E | Recorded | 4 | Projectile | NNW to SSE | N/K | 6-Jul, 22:25 |
| | 2-4km E | Recorded | 12 | Projectile | NNW to SSE | N/K | 6-Jul, 22:27 |
| | 2-4km E | Recorded | 12 | Projectile | NNW to SSE | N/K | 6-Jul, 22:54 |
| SMM camera | 2-4km ESE | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 23:35 |
| 1.5km NE of | 2-4km E | Recorded | 1 | Projectile | SW to NE | N/K | 6-Jul, 23:35 |
| Hnutove | 2-4km E | Recorded | 11 | Projectile | SW to NE | N/K | 6-Jul, 23:38 |
| (government- | 2-4km E | Recorded | 10 | Projectile | SW to NE | N/K | 6-Jul, 23:42 |
| controlled, 20km | 2-4km E | Recorded | 6 | Projectile | SW to NE | N/K | 6-Jul, 23:42 |
| NE of Mariupol) | 2-4km E | Recorded | 23 | Projectile | SW to NE | N/K | 6-Jul, 23:52 |
| | 2-4km E | Recorded | 18 | Projectile | SSW to NNE | N/K | 7-Jul, 00:16 |
| | 2-4km E | | | | | | |
| | 2-4km E 2-4km E | Recorded | 1 | Projectile Muzzle flash | In vertical flight | N/K N/K | 7-Jul, 00:30 |
| | | Recorded | 4 | | | | 7-Jul, 00:30 |
| | 2-4km E | Recorded | 2 | Projectile | NW to SE | N/K | 7-Jul, 00:31 |
| | 2-4km ESE | Recorded | 31 | Projectile | N to S | N/K | 7-Jul, 00:32 |
| | 2-4km ESE | Recorded | 5 | Muzzle flash | | N/K | 7-Jul, 00:33 |
| | 2-4km ESE | Recorded | 15 | Projectile | SSW to NNE | N/K | 7-Jul, 00:35 |
| | 2-4km ESE | Recorded | 5 | Projectile | NNW to SSE | N/K | 7-Jul, 00:38 |
| | 2-4km ESE | Recorded | 29 | Projectile | NNW to SSE | N/K | 7-Jul, 01:21 |
| | 2-4km ESE | Recorded | 8 | Muzzle flash | | N/K | 7-Jul, 01:23 |
| | 2-4km E | Recorded | 8 | Projectile | SW to NE | N/K | 7-Jul, 01:40 |
| | 2-4km E | Recorded | 2 | Projectile | SW to NE | N/K | 7-Jul, 02:03 |
| | 3-5km NE | Recorded | 1 | Explosion | Undetermined | N/K | 6-Jul, 22:03 |
| SMM comore E of | 3-5km NNE | Recorded | 5 | Projectile | WNW to ESE | N/K | 6-Jul, 22:38 |
| SMM camera E of | 3-5km NNE | Recorded | 3 | Projectile | WNW to ESE | N/K | 6-Jul, 22:39 |
| Lomakyne (government- | 3-5km NNE | Recorded | 2 | Projectile | NW to SE | N/K | 6-Jul, 22:40 |
| controlled, 15km | 3-5km NNE | Recorded | 2 | Projectile | NW to SE | N/K | 6-Jul, 22:41 |
| NE of Mariupol) | 3-5km NNE | Recorded | 13 | Projectile | NW to SE | N/K | 6-Jul, 22:42 |
| NE OI Mariupol) | 3-5km NNE | Recorded | 13 | Projectile | NW to SE | N/K | 6-Jul, 22:43 |
| | 3-5km NE | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 22:47 |
| 0.04 | 0.5-1.5km NNE | Recorded | 1 | Projectile | W to E | N/K | 6-Jul, 22:10 |
| SMM camera at entry-exit checkpoint in Marinka (government- controlled, 23km SW of Donetsk) | 0.5-1.5km NNE | Recorded | 8 | Projectile | W to E | N/K | 6-Jul, 22:24 |
| | 0.5-1.5km NNE | Recorded | 4 | Projectile | W to E | N/K | 6-Jul, 22:25 |
| | 0.5-1.5km NNE | Recorded | 1 | Projectile | W to E | N/K | 6-Jul, 22:29 |
| | 0.5-1.5km NNE | Recorded | 1 | Explosion | Undetermined | N/K | 6-Jul, 22:29 |
| SMM camera at Oktiabr mine (non-government- controlled, 9km NW of Donetsk city centre) | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Avdiivka and DFS cameras) | N/K | 6-Jul, 22:49 |
| | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Avdiivka and | N/K | 7-Jul, 03:02 |

| Image: second | [| | r | 1 | | | 1 | |
|---|----------------------------------|-----------|----------|----|--------------------|--|------|--------------|
| 6-8km NE Recorded 1 Illumination flare (also recorded by Aviiva and DFS cameras) N/K 7-Jul, 03:05 6-8km NE Recorded 1 Illumination flare In vertical flight (also recorded) N/K 7-Jul, 03:05 3-5km SSE Recorded 1 Projectile WNK 6-Jul, 21:14 2-4km SSE Recorded 1 Projectile WNK to SP N/K 6-Jul, 21:19 1-3km SE Recorded 1 Projectile WNW to SP N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion WNW to FSE N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion WNW to FSE N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion WNW to SE N/K 6-Jul, 21:36 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:36 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:36 3-5km SE< | | | | | | DFS cameras) | | |
| SMM camera at entry-exit Recorded 1 Illumination flare In vertical flight (by Avdityka and DFS cameras) NVK 7-Jul, 03:08 3-5km SSE Recorded 2 Burst 15 rounds stach) N/K 6-Jul, 21:14 2-4km SSE Recorded 1 Projectile WWW to ESE N/K 6-Jul, 21:28 1-3km SE Recorded 1 Explosion N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:32 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:32 3-5km SE Recorded 1 Muzzle flash N/K 6-Jul, 21:30 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:30 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:30 3-5km SE Recorded 1 Explosion Undetermined < | | 6-8km NE | Recorded | 1 | Illumination flare | (also recorded by Avdiivka and | N/K | 7-Jul, 03:05 |
| SMM camera at entry-exit controlled, 25km SEE Recorded 1 Projectile Win To Experiment (also recorded by Chernalyk camera) N/K 6-Jul, 21:14 1-3km SE Recorded 1 Explosion N/K 6-Jul, 21:28 1-3km SE Recorded 1 Explosion N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:32 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:32 3-5km SE Recorded 1 Explosion Undetermined Chernalyk N/K 6-Jul, 21:35 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:34 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:34 4-4km SSE Recorded 1 Projectile N/K 6-Jul, 23:31 3-5km SK Recorded 1 Projectile N/K 6-Jul, 23:31 <td></td> <td>6-8km NE</td> <td>Recorded</td> <td>1</td> <td>Illumination flare</td> <td>In vertical flight (also recorded by Avdiivka and</td> <td>N/K</td> <td>7-Jul, 03:08</td> | | 6-8km NE | Recorded | 1 | Illumination flare | In vertical flight (also recorded by Avdiivka and | N/K | 7-Jul, 03:08 |
| SMM camera at entry-exit Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:28 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 21:22 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 21:32 3-5km SSE Recorded 1 Explosion Crootded by Chermalyk N/K 6-Jul, 21:37 3-5km SSE Recorded 1 Explosion Undetermined undetermined N/K 6-Jul, 21:37 3-5km SSE Recorded 1 Explosion Undetermined undetermined N/K 6-Jul, 21:37 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 21:37 3-5km SSE Recorded 1 Projectile WNW to ISE N/K 6-Jul, 21:31 2-4km SSE Recorded 1 Explosion Undetermined diso recorded by Chermalyk N/K 6-Jul, 23:31 2-4km SSE Recorded | | 3-5km SSE | Recorded | 2 | Burst | W to E (approx. | N/K | 6-Jul, 21:14 |
| SMM camera at entry-exit at entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit entry-exit as SEE Recorded 1 Muzzle flash NK 6-Jul, 21:32 SMM SEE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 21:32 Sim SEE Recorded 4 Secorded 1 Explosion Creorded by N/K 6-Jul, 21:32 Sim SEE Recorded 4 Secorded 1 Explosion Undetermined N/K 6-Jul, 21:32 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 21:37 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:31 Camera) Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Nerto SEE N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 1 Recorded 1 N/K 6-Jul, 23:32 Sim SEE Recorded 3 Projectile In vertical flight N/K 6-Jul, 23:32 Sim SEE Recorded 3 Projecti | | 2-4km SSE | Recorded | 1 | Projectile | WNW to ESE | N/K | 6-Jul, 21:19 |
| Skm SSE Recorded 6 Projectile WN W to ESE N/K 6-Jul, 21:32 3.5km SSE Recorded 1 Muzzle flash Airburst (also recorded by Chermalyk camera) N/K 6-Jul, 21:32 3.5km SE Recorded 1 Explosion Recorded by Chermalyk camera) N/K 6-Jul, 21:36 3.5km SE Recorded 45 Projectile NW to SE N/K 6-Jul, 21:36 3.5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3.5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3.5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 23:31 3.5km SE Recorded 1 Projectile WN to ESE N/K 6-Jul, 23:31 2.4km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk N/K 6-Jul, 23:31 (government- controlled, 25km NE of Mariupol 3-5km SSE Recorded 7 Projectile In | | 1-3km SE | | 1 | Explosion | (also recorded by Chermalyk | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 1-3km S | Recorded | 1 | Explosion | | N/K | 6-Jul, 21:28 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 3-5km SSE | Recorded | 6 | | WNW to ESE | N/K | |
| SMM camera at entry-exit Recorded 1 Explosion Airburst (also recorded by Chermalyk camera) N/K 6-Jul, 21:35 3-5km SE Recorded 45 Projectile NW to SE N/K 6-Jul, 21:36 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3-5km SE Recorded 1 Muzzle flash N/K 6-Jul, 21:37 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 2-4km SSE Recorded 1 Projectile WNW to ESE N/K 6-Jul, 23:31 2-4km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Explosion N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded | | | | 1 | | | | |
| 2-4km SSE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3-5km SE Recorded 8 Projectile NNE to SSW N/K 6-Jul, 21:37 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 21:37 3-5km SE Recorded 1 Explosion Undetermined N/K 6-Jul, 23:31 2-4km SSE Recorded 11 Projectile WNW to ESE N/K 6-Jul, 23:31 2-4km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31 2-4km SSE Recorded 1 Explosion ENE to WSW (also recorded by Chermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 7 Projectile In vertical flight N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSW Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSW | | | | | | recorded by Chermalyk camera) | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 3-5km SE | Recorded | 45 | Projectile | NW to SE | N/K | 6-Jul, 21:36 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 2-4km SSE | Recorded | 1 | Explosion | Undetermined | N/K | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | |
| 3-5km S Recorded 1 Explosion Undetermined N/K 6-Jul, 21:34 2-4km SSE Recorded 11 Projectile (also recorded by Chermalyk camera) N/K 6-Jul, 23:31 SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31 3-5km SSE Recorded 1 Explosion Vechermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 7 Projectile Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 7 Projectile In vertical flight N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Explosion Undetermined N/K 6-Jul, 23:32 3-5km SSW Recorded 1 Explosion Undetermined N/K 6-Jul, 23:32 3-5km SSW Recorded 1 Explosion Undetermined N/K 6-Jul, 23:32 3-5km SSW Recorded 1 </td <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>1112 10 55 11</td> <td></td> <td></td> | | | | | 0 | 1112 10 55 11 | | |
| SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)Recorded Recorded11ProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SSERecorded1ExplosionUndetermined (also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SSERecorded1ExplosionENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded7ProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded7ProjectileIn vertical flight W to E (approx. 20 rounds, also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSWRecorded1BurstW to E (approx. 20 rounds, also recorded by Chermalyk camera)002-4km SSWRecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded2ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded2ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:432-4km SSERecorded1ExplosionAirburst <td></td> <td></td> <td></td> <td></td> <td></td> <td>Undetermined</td> <td></td> <td></td> | | | | | | Undetermined | | |
| SMM camera at entry-xit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol)2-4km SSERecorded11Projectile(also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SW (government- controlled, 25km NE of Mariupol3-5km SSERecorded1ExplosionUndetermined (also recorded by Chermalyk camera)N/K6-Jul, 23:313-5km SSERecorded7ProjectileWNW to ESEN/K6-Jul, 23:323-5km SSERecorded7ProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded1Muzzle flashN/K6-Jul, 23:323-5km SSERecorded7ProjectileIn vertical flight WIW to ESEN/K6-Jul, 23:323-5km SSWRecorded1ExplosionUndetermined vChermalyk camera)N/K6-Jul, 23:323-5km SSWRecorded1ExplosionW to E (also recorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flight W to E (also recorded by Chermalyk camera)N/K6-Jul, 23:432-4km SSRecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:432-4km SSERecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:432-4km SSERecorded5ProjectileIn vertical flight N/KN/K6-Jul, 23:432-4km S | | 5-3KIII 5 | Recorded | 1 | Explosion | | IN/K | 0-Jul, 21:54 |
| SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) 3-5km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31 3-5km SSE Recorded 7 Projectile ENE to WSW (also recorded by Chermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded 6 Projectile In vertical flight N/K 6-Jul, 23:32 3-5km SSW Recorded 1 Explosion Undetermined Wito E (approx. 20 rounds, also recorded by Chermalyk camera) N/K 6-Jul, 23:42 2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42 2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42 2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:43 2-4km S Recorded 3 Explosion Airburst N/K 6-Jul, 23:59 2-4km S Recorded 5 Projectile In vertical flight N/K 7-Jul, 00:00 | | 2-4km SSE | Recorded | 11 | Projectile | (also recorded by Chermalyk | N/K | 6-Jul, 23:31 |
| SMM camera at entry-exit checkpoint in Pyshchevyk (government- controlled, 25km NE of Mariupol) 3-5km SSE Recorded 1 Explosion Undetermined (also recorded by Chermalyk camera) N/K 6-Jul, 23:31 3-5km SSE Recorded 7 Projectile ENE to WSW (also recorded by Chermalyk camera) N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded 1 Muzzle flash N/K 6-Jul, 23:32 3-5km SSE Recorded 6 Projectile In vertical flight N/K 6-Jul, 23:32 3-5km SSW Recorded 1 Explosion Undetermined W to E (approx. 20 rounds, also recorded by Chermalyk camera) N/K 6-Jul, 23:42 2-4km SSW Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42 2-4km SS Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:42 2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:43 2-4km S Recorded 3 Explosion Airburst N/K 6-Jul, 23:59 2-4km S Recorded 5 Projectile In vertical flight N/K 6-Jul, 23:59< | | 2-4km SSE | Recorded | 8 | Projectile | WNW to ESE | N/K | 6-Jul. 23:31 |
| Pyshchevyk (government- controlled, 25km NE of Mariupol)RecordedProjectileENE to WSW (also recorded by Chermalyk camera)N/K6-Jul, 23:323-5km SSERecorded1Muzzle flashN/K6-Jul, 23:323-5km SSERecorded7ProjectileIn vertical flightN/K6-Jul, 23:323-5km SSERecorded6ProjectileWnW to ESEN/K6-Jul, 23:323-5km SSWRecorded1ExplosionUndeterminedN/K6-Jul, 23:323-5km SSWRecorded1ExplosionUndeterminedN/K6-Jul, 23:362-4km SSWRecorded1Burstrecorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSWRecorded5ProjectileIn vertical flightN/K6-Jul, 23:432-4km SRecorded5ProjectileIn vertical flightN/K6-Jul, 23:432-4km SRecorded3ExplosionAirburstN/K6-Jul, 23:432-4km SRecorded12ProjectileIn vertical flightN/K6-Jul, 23:592-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded12ExplosionAirburstN/K7-Jul, 00:012-4km SRecorded12ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded14ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1 | entry-exit checkpoint in | | | | | Undetermined (also recorded by Chermalyk | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | (government- controlled, 25km | 3-5km SSE | Recorded | 7 | Projectile | ENE to WSW (also recorded by Chermalyk | N/K | 6-Jul, 23:32 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 3-5km SSE | Recorded | 1 | Muzzle flash | | N/K | 6-Jul, 23:32 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | In vertical flight | 1 | |
| 3-5km SSWRecorded1ExplosionUndeterminedN/K6-Jul, 23:362-4km SSWRecorded1BurstW to E (approx. 20 rounds, also recorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSWRecorded5ProjectileW to E (also recorded by Chermalyk camera)N/K6-Jul, 23:432-4km SRecorded5ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:592-4km SRecorded3ExplosionAirburst In vertical flightN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flight In vertical flightN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flight In vertical flightN/K7-Jul, 00:002-4km SRecorded5ProjectileE to WN/K7-Jul, 00:002-4km SERecorded54ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, | | | | | | | | |
| 2-4km SSWRecorded1BurstW to E (approx. 20 rounds, also recorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSWRecorded5ProjectileW to E (also recorded by Chermalyk camera)N/K6-Jul, 23:422-4km SSRecorded5ProjectileW to E (also recorded by Chermalyk camera)N/K6-Jul, 23:432-4km SRecorded2ProjectileIn vertical flightN/K6-Jul, 23:592-4km SRecorded3ExplosionAirburstN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flightN/K7-Jul, 00:002-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:012-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorde | | | | | | | | |
| 2-4km SSWRecorded5Projectilerecorded by Chermalyk camera)N/K6-Jul, 23:432-4km SRecorded2ProjectileIn vertical flightN/K6-Jul, 23:592-4km SRecorded3ExplosionAirburstN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flightN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flightN/K7-Jul, 00:002-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:35 | | | | | | W to E (approx. 20 rounds, also recorded by Chermalyk | | |
| 2-4km SRecorded3ExplosionAirburstN/K6-Jul, 23:592-4km SRecorded5ProjectileIn vertical flightN/K7-Jul, 00:002-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileW to EN/K7-Jul, 00:35 | | | | | , c | W to E (also recorded by Chermalyk camera) | | |
| 2-4km SRecorded5ProjectileIn vertical flightN/K7-Jul, 00:002-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded1ProjectileW to EN/K7-Jul, 00:32 | | - | | 2 | U | | | |
| 2-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileW to EN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | | | | | | | |
| 2-4km SRecorded12ExplosionAirburstN/K7-Jul, 00:002-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileW to EN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | 2-4km S | Recorded | 5 | Projectile | In vertical flight | N/K | 7-Jul, 00:00 |
| 2-4km SSERecorded54ProjectileE to WN/K7-Jul, 00:162-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileW to EN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | 2-4km S | Recorded | 12 | Explosion | Airburst | N/K | 7-Jul, 00:00 |
| 2-4km SSERecorded2ProjectileE to WN/K7-Jul, 00:312-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | | | | | | | |
| 2-4km SSERecorded36ProjectileE to WN/K7-Jul, 00:322-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | | | | | | | |
| 2-4km SRecorded1ExplosionUndeterminedN/K7-Jul, 00:322-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | | | | | | | |
| 2-4km SRecorded1ProjectileE to WN/K7-Jul, 00:322-4km SSERecorded12ProjectileW to EN/K7-Jul, 00:35 | | | | | | | | |
| 2-4km SSE Recorded 12 Projectile W to E N/K 7-Jul, 00:35 | | | | | • | | | |
| | | | | | | | | |
| 2-4km S Recorded 3 Projectile ENE to WSW N/K 7-Jul, 00:38 | | | | | | | | |
| | | 2-4km S | Recorded | 3 | Projectile | ENE to WSW | N/K | 7-Jul, 00:38 |

| | 2-4km SSE | Recorded | 1 | Projectile | E to W | N/K | 7-Jul, 00:38 |
|---|------------------------|----------------------|----|--------------|------------------------|---------------|-----------------------|
| | 2-4km SSE | Recorded | 1 | Projectile | ENE to WSW | N/K | 7-Jul, 00:40 |
| | 2-4km SSE | Recorded | 6 | Projectile | W to E | N/K | 7-Jul, 01:40 |
| | 2-4km SSE | Recorded | 1 | Projectile | ENE to WSW | N/K | 7-Jul, 01:40 |
| | 3-5km S | Recorded | 1 | Projectile | W to E | N/K | 7-Jul, 01:44 |
| | 2-4km SSE | Recorded | 15 | Projectile | E to W | N/K | 7-Jul, 02:02 |
| | 2-4km SSE | Recorded | 2 | Projectile | In vertical flight | N/K | 7-Jul, 02:02 |
| | 2-4km SSE | Recorded | 10 | Projectile | W to E | N/K | 7-Jul, 02:02 |
| | 2-4km SSE | Recorded | 7 | Muzzle flash | WICE | N/K | 7-Jul, 02:02 |
| | 2-4km SSE 2-4km SSE | | 1 | | Undetermined | N/K N/K | |
| | | Recorded Recorded | | Explosion | Undetermined E to W | N/K N/K | 7-Jul, 02:02 |
| | 2-4km SSE | | 5 | Projectile | E to w | | 7-Jul, 02:03 |
| | 2-4km SSE | Recorded | 3 | Muzzle flash | | N/K | 7-Jul, 02:03 |
| | 1-2km S | Recorded | 1 | Muzzle flash | | N/K | 7-Jul, 02:06 |
| | 3-5km S | Recorded | 5 | Projectile | W to E | N/K | 7-Jul, 02:08 |
| | 3-5km S | Recorded | 1 | Explosion | Undetermined | N/K | 7-Jul, 03:12 |
| | 3-5km S | Recorded | 3 | Muzzle flash | | N/K | 7-Jul, 03:12 |
| | 3-5km S | Recorded | 4 | Projectile | WNW to ESE | N/K | 7-Jul, 03:22 |
| SMM camera | 2-4km NE | Recorded | 16 | Projectile | SE to NW | N/K | 7-Jul, 00:50 |
| 1km SW of Shyrokyne (20km E of Mariupol) | 2-4km N | Recorded | 1 | Projectile | WNW to ESE | N/K | 7-Jul, 03:38 |
| | 2km E | Heard | 1 | Burst | | Small arms | 7-Jul, 09:08 |
| SE part of | 2km SE | Heard | 2 | Explosion | Undetermined | N/K | 7-Jul, 09:12 |
| Avdiivka | | | | | Chaeterhinieu | Small | 7-Jul, |
| (government- | 1-2km SE | Heard | 9 | Burst | | arms | 09:52-09:55 |
| controlled, 17km | | | | | | Small | 7-Jul, |
| N of Donetsk) | 1-2km SE | Heard | 3 | Shot | | | 09:52-09:55 |
| IN OI DOIICISK) | 2 21 E | Hand | 1 | Employing | The data meeting a | arms | |
| | 2-3km E | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 10:15 |
| | 2-3km E | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 10:56 |
| Donetsk central railway station | 2km NW | Heard | 3 | Shot | | Small arms | 7-Jul, 10:05 |
| (non-government- | 3km NW | Heard | 3 | Explosion | Undetermined | N/K | 7-Jul, 10:27 |
| controlled, 6km NW of Donetsk) | 3km NW | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 10:54 |
| About 1km N of Donetsk central railway station (non-government- controlled, 6km NW of Donetsk) | 3km NW | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 11:47 |
| About 1km E of | 2-3km S | Heard | 4 | Shot | | HMG | 7-Jul, 10:50 |
| Kruta Balka (non- government- controlled, 16km | 2-3km S | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 10:55 |
| N of Donetsk) Marinka (government- controlled, 23km SW of Donetsk) | 2-4km E | Heard | 2 | Explosion | Undetermined | N/K | 7-Jul, 10:52 |
| Krasnohorivka (government- controlled, 21km W of Donetsk) | 2-3km SSE | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 13:22 |
| About 1km NW | 2-3km SW | Heard | 24 | Shot | | Small arms | 7-Jul, 09:13-09:33 |
| of the railway | 2-3km SW | Heard | 2 | Explosion | Undetermined | N/K | 7-Jul, 09:13 |
| station in | 2-3km SW | Heard | 2 | Explosion | Undetermined | N/K | 7-Jul, 09:19 |
| Yasynuvata (non- | 1-2km N | Heard | 1 | Explosion | Outgoing | N/K | 7-Jul, 09:25 |
| government- controlled, 16km | 3-4km SW | Heard | 46 | Burst | | HMG | 7-Jul, 09:34-09:44 |
| NE of Donetsk) | 3-4km SW | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 09:39 |
| | 2-3km W | Heard | 3 | Shot | Chaotominica | HMG | 7-Jul, 12:36 |
| 1km NNW of | | | | Shot | | 11110 | 7-Jul, 12.30 |
| Pyshchevyk | 4-5km SE | Heard | 4 | Explosion | Undetermined | | 12:55-12:58 |

| (government- | | | | | | | 7-Jul. |
|--|----------------------|----------|----|------------|---|---------------|--------------------------------------|
| controlled, 25km NE of Mariupol) | 4-5km SE | Heard | 5 | Explosion | Undetermined | | 13:01-13:05 |
| | 4-5km SE | Heard | 2 | Explosion | Undetermined | | 7-Jul, 13:08-13:09 |
| | 4-5km SE | Heard | 1 | Explosion | Undetermined | | 7-Jul, 13:18 |
| Horlivka (non- government- controlled, 39km NE of Donetsk) | 5-7km WNW | Heard | 7 | Explosion | Undetermined | N/K | 6-Jul, 17:28-17:44 |
| | 5-7km WNW | Heard | 8 | Explosion | Undetermined | N/K | 6-Jul, 17:46-17:58 |
| | 5-7km WNW | Heard | 7 | Explosion | Undetermined | N/K | 6-Jul, 18:01-18:13 |
| | 5-7km WNW | Heard | 8 | Explosion | Undetermined | N/K | 6-Jul, |
| | 5-7km NW | Heard | 7 | Explosion | Undetermined | N/K | 18:17-18:28 6-Jul, 18:22-18:42 |
| | 5-7km NW | Heard | 14 | Explosion | Undetermined | N/K | 18:32-18:43 6-Jul, |
| | 5-7km NW | Heard | 1 | Explosion | Undetermined | N/K | 19:05-19:10 6-Jul, 19:26 |
| | | 1 | | 1 | | | 6-Jul, 19.20 |
| | 4-7km NW | Heard | 96 | Explosion | Undetermined | N/K | 20:27-21:02 |
| | 5-7km NW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 21:11 |
| | 5-7km NW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 21:16 |
| | 5-7km NW | Heard | 46 | Explosion | Undetermined | N/K | 6-Jul, 21:20-21:45 |
| | 5-7km NW | Heard | 27 | Burst | | HMG | 6-Jul, 21:20-21:45 |
| | 5-7km NW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 21:52 |
| | 6-8km NW | Heard | 17 | Explosion | Undetermined | N/K | 6-Jul, 21:56-22:01 |
| | 6-8km NW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 22:24 |
| | 5-7km NW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 23:06 |
| | 5-7km NW | Heard | 5 | Shot | | Small arms | 6-Jul, 23:28 |
| | 5-7km NW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 23:35 |
| | 5-7km NW | Heard | 5 | Burst | | HMG Small | 6-Jul, 23:38 |
| | 5-7km NW | Heard | 7 | Shot | | arms | 6-Jul, 23:38 |
| | 5-7km NW 5-7km NW | Heard | 3 | Explosion | Undetermined Undetermined | N/K N/K | 6-Jul, 23:39 6-Jul, 23:45 |
| | 5-7Km IN W | Heard | 1 | Explosion | Undetermined | Small | |
| | 5-7km NW | Heard | 3 | Shot | | arms | 6-Jul, 23:54 |
| | 5-7km NW | Heard | 43 | Explosion | Undetermined | N/K | 7-Jul, 00:26-00:33 |
| | 5-7km NW | Heard | 1 | Explosion | Undetermined | N/K | 7-Jul, 00:42 7-Jul, |
| | 5-7km NW | Heard | 28 | Burst | | HMG | 07:15-07:20 |
| Svitlodarsk (government- controlled, 57km NE of Donetsk) | 3-5km SW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 17:21 |
| | 3-5km SE 5-7km | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 21:00 6-Jul, |
| | WSW | Heard | 12 | Explosion | Undetermined | N/K | 22:31-22:45 |
| | 4-6km NW | Heard | 1 | Burst | | HMG | 6-Jul, 22:41 |
| | 3-5km WSW | Heard | 2 | Explosion | Undetermined | N/K | 6-Jul, 23:01 |
| | 3-5km WSW | Heard | 1 | Explosion | Undetermined | N/K | 6-Jul, 23:15 |
| SMM camera in Zolote (government- controlled, 60km W of Luhansk) | 4-6km SSW | Recorded | 1 | Projectile | WNW to ESE (assessed as outside the disengagement area) | N/K | 7-Jul, 02:11 |
| E edge of Stanytsia Luhanska (government- controlled, 16km | 0.3-0.4km S | Heard | 1 | Shot | Assessed as outside the disengagement area. | N/K | 6-Jul, 22:10 |

| NE of Luhansk) | | | | | | | |
|--|-----------|-------|-----|-----------|---|---------------|-----------------------|
| N edge of Popasna (government- controlled, 69km W of Luhansk) | 3-5km SE | Heard | 21 | Burst | | HMG | 7-Jul, 02:40-02:50 |
| | 3-5km SE | Heard | 3 | Explosion | Impact | RPG | 7-Jul, 03:10-03:28 |
| | 3-5km SE | Heard | 8 | Burst | | HMG | 7-Jul, 03:10-03:28 |
| | 3-5km SE | Heard | 6 | Shot | | N/K | 7-Jul, 03:30-03:32 |
| | 3-5km SE | Heard | 40 | Burst | | HMG | 7-Jul, 03:46-04:00 |
| | 3-5km SE | Heard | 3 | Burst | | HMG | 7-Jul, 04:10-04:11 |
| | 3-10km SE | Heard | 404 | Explosion | Undetermined | N/K | 7-Jul, 05:08-06:30 |
| SW edge of Zolote- 5/Mykhailivka (non-government- controlled, 58km NW of Luhansk) | 1km NW | Heard | 1 | Shot | Assessed as inside the disengagement area. | Small arms | 7-Jul, 13:33 |



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).