



Osprey Flight Solutions

A new age for aviation risk management

10 January 2022

Russia-Ukraine Situation Update

Clients & Partners Briefing



Welcome

Matthew Borie, Chief Intelligence Officer

Tensions remain high between Ukraine and Russia over Russian military deployments into Crimea, as well as to the Voronezh oblast, Rostov oblast and Krasnodar Krai, located adjacent to the eastern Ukrainian regions of Donetsk and Luhansk. The US, UK, EU and NATO have all made statements in support of Ukraine and called on Russia to avoid escalating the situation along the border.

Meanwhile, Russia has accused Ukraine of inflaming the conflict in Donetsk and Luhansk, while accusing NATO of conducting increased levels of air and naval activity in the Black Sea in the past month.

The airspace operational situation over portions of Ukraine, Russia and the Black Sea remains fluid and subject to rapid change.



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Several diplomatic events in the coming days are set to occur:

- ✦ 10 January: Security talks between the US and Russia over the Ukraine tensions as well as overarching arms control measures and military exercises
- ✦ 12 January: North Atlantic Treaty Organization (NATO) talks with Russia regarding the Ukraine tensions and European security proposals
- ✦ 13 January: Organization for Security and Co-Operation in Europe (OSCE) talks with Russia regarding the conflict in eastern Ukraine



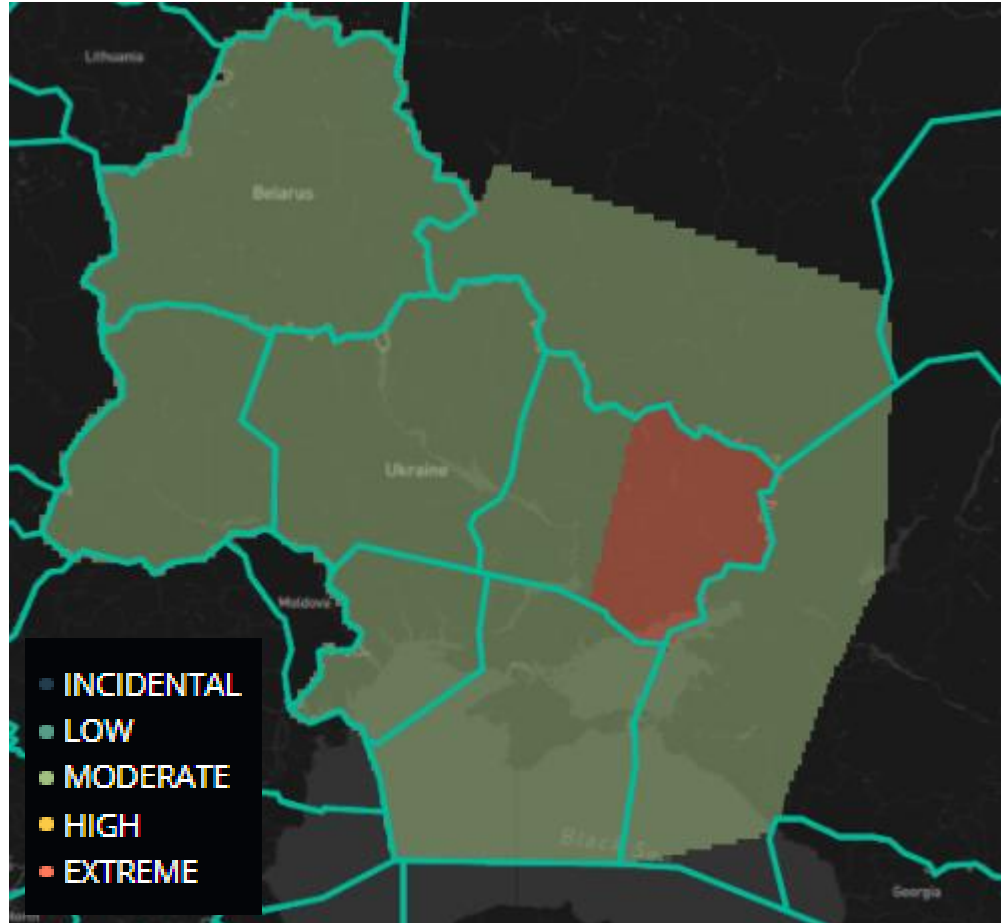
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Regulatory Information

- ✦ US FAA issued a NOTAM advising US-registered operators to use “extreme caution” when conducting flights in Russia’s FIR Moscow (UUWV) and FIR Rostov (URRV) within 100NM of Ukraine’s FIR Dnipro (UKDV), FIR Simferopol (UKFV/URFV) and FIR Kyiv (UKBV) (KICZ A0012/21).
- ✦ Airspace control issues in FIR Simferopol (UKFV/URFV) over the Black Sea represent ongoing civil aviation safety-of-flight concerns, as evidenced by advisories issued by EASA, as well as UK and French civil aviation authorities (France AIC – A 18/21, UK AIP ENR 1.1 Section 1.4).
- ✦ EASA, along with the US, UK, Canadian and French civil aviation authorities, have issued advisories directing that all flights be deferred within the airspace over Donetsk and Luhansk provinces of eastern Ukraine.
- ✦ For full details of these notices, please access Osprey:Open via the following link: <https://open.ospreyfs.net>



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Osprey scoring for the following Airspace Risk Areas outlined below:

- Ukraine: Donetsk & Luhansk – EXTREME at all altitudes
- Ukraine Proper: MODERATE at all altitudes (raised from LOW in November)
- FIR Simferopol (UKFV): MODERATE at all altitudes (raised from LOW in November)
- Russian Border: MODERATE at all altitudes (raised from LOW in November)
- Belarus: MODERATE at all altitudes

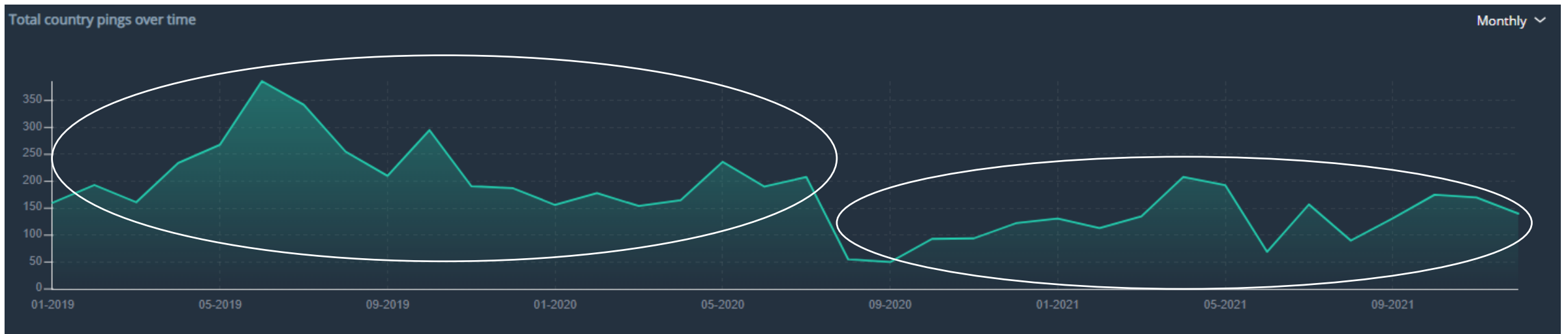
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Osprey System Data Analytics



Russia-Ukraine Situation Update

Ukraine: Donetsk-Luhansk Conflict Zone Ceasefire Violations

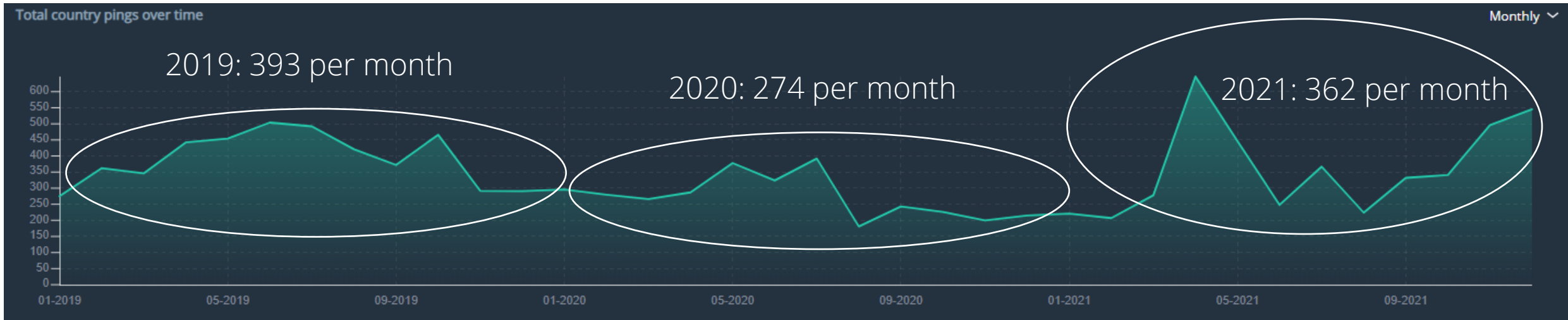


The above visualisation shows rocket, mortar and artillery fire in eastern Ukraine since 2019. The data indicates that such activity has risen since mid-2020 through 2021, its below levels observed in 2019 through mid-2020.



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Ukraine: Conventional Military & Conflict Zone Activity

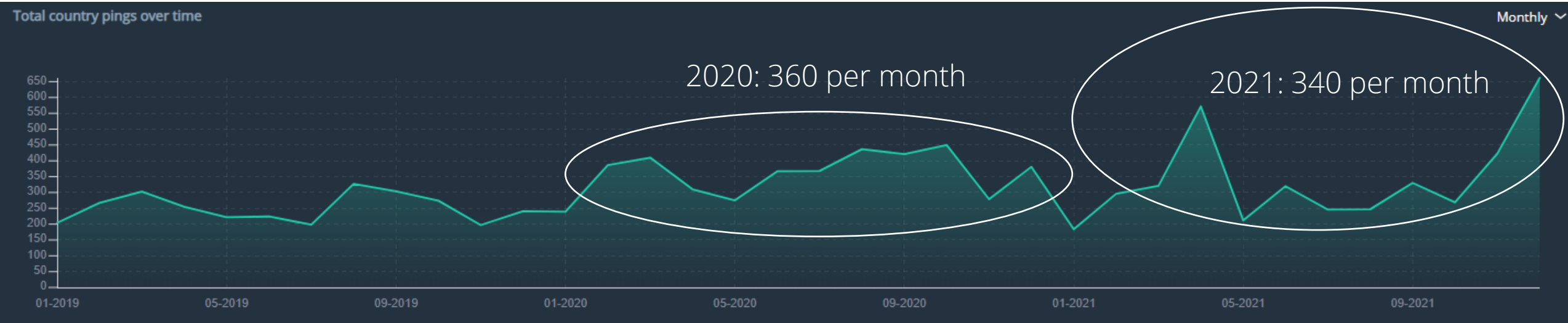


The graph above represents conventional military activity and conflict zone dynamics within Ukraine between 2019 through 2021. The data indicates that there have been spikes in such activity in April and November-December 2021. However, total activity in 2019 was higher than the monthly average total in 2021 and 2020.



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Russia: Conventional Military Activity

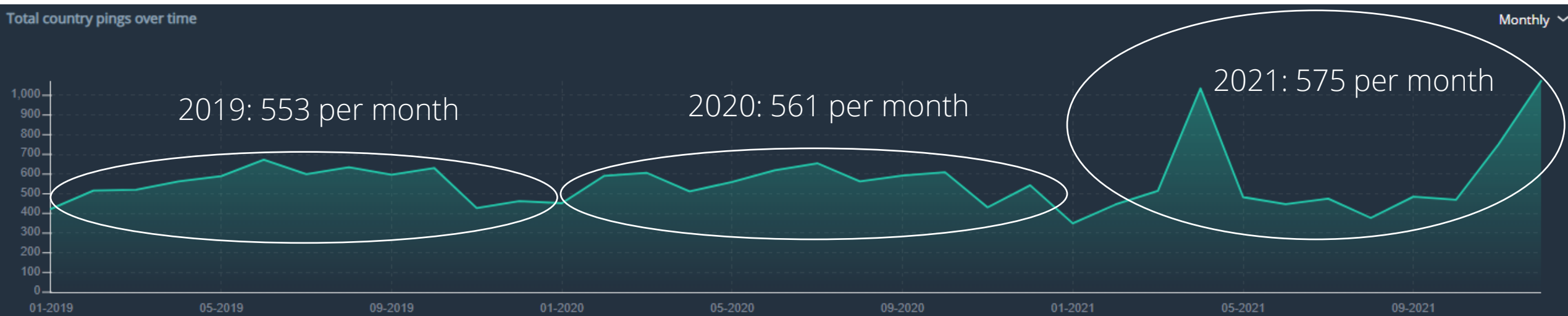


The visualisation above shows conventional military activity within Russia between 2019 and 2021. The data indicates that there have been spikes in such activity in April and November-December 2021. However, total activity in 2020 was similar to the monthly average total in 2021.



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Russia-Ukraine: Conventional Military Activity



The above graph shows conventional military activity within Russia and Ukraine between 2018 and 2021. The data indicates that there have been spikes in such activity in April and November-December 2021; however, similar monthly average levels were observed in 2019 and 2020 compared to 2021.



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Osprey Assessment

While the true intentions of the Russians and the Ukrainians are opaque, Osprey Flight Solutions continues to view much of the activity as posturing by both sides and heightened levels of military training, which are occurring in concert with complex diplomatic engagements. Some of the traditional media reporting on the situation in eastern Ukraine and along the Ukrainian-Russian border has overstated the size and scope of military activity occurring within these areas. Divisive public statements by officials from the Russian, Ukrainian and Western governments have also played a notable part in inflaming tensions.

The outcome of the 10-13 January diplomatic talks are not expected to fully alleviate tensions though Osprey views the diplomatic engagements to be a positive step aimed at de-escalating the situation. Osprey continues to assess that a full Russian military invasion of Ukraine to be unlikely during the first quarter of 2022. However, Russia may pursue lower cost options such as providing additional support to Pro-Russian militia forces in eastern Ukraine to inflame the conflict in Donetsk and Luhansk provinces during the first three months of the year.



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Key Takeaways

- ✦ Donetsk-Luhansk area of Ukraine remains an active conflict zone with NOTAMs in place prohibiting flight operations
- ✦ Both Russia & Ukraine claim control of FIR Simferopol (UKFV/URFV) airspace over the Black Sea
- ✦ Both Russia & NATO are conducting increased levels of military air patrols over the Black Sea
- ✦ GPS jamming & other forms of EMI remain present in the region, including the Russian-Ukraine border and Black Sea
- ✦ Possible short-notice issuance of regulatory NOTAMs, circulars, publications, restrictions and/or bulletins



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