

6-fold increase in the capacity of Silentium's extant cued processing mode. Furthermore, this processing mode has been shown to produce tracks with a significant latency reduction compared to the extant processing technique. Silentium Defence is looking to provide such data to end users within 5-minutes of a RSO pass.

To further demonstrate the utility of this un-cued capability a pass of the ISS immediately after a manoeuvre, and before publicly updated elsets were published, has been presented. Using this pass as a surrogate for a new launch, Silentium Defence has shown the ability to produce a functional IOD from the un-cued detections.

Silentium Defence will soon be offering un-cued space surveillance capabilities as part of its SpaceWatch SSA data-as-a-service products. It is anticipated this service will be of particular interest to a range of SSA data consumers including launch providers, satellite operators, and national space agencies that are seeking to monitor by re-entry events.

6. REFERENCES

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