The world's first wide-area Locata Network for USAF

Locata delivers completely new capabilities to the USAF

Slides excerpted from Locata's Business Development Presentation PowerPoint - Copyright Locata Corporation - Sept 2012

The Revolution Begins

Completely new capabilities for USAF

- Locata was granted a rare "sole-source contract" by the USAF to extend our standard LocataNet to cover a vast areas of their test ranges.
- The USAF needs cm-accurate positioning systems which will continue to position their aircraft at long ranges even when GPS is being completely jammed.
- Locata solved the contract requirements and in Oct 2011 fielded the LocataNet for the USAF for the first time, blanketing an area of over 3,500 sq km at the famed White Sands Missile Range in New Mexico.
- The results shown by the USAF at White Sands are, frankly, spectacular (see report referenced below). Given the USAF's own public validation and published results, there's very little we need to add.

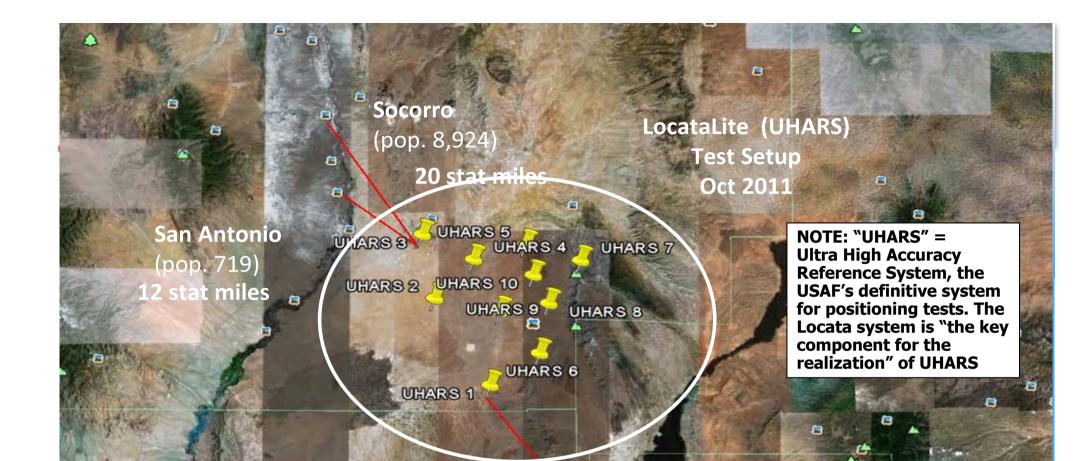


The following slides are a brief, pictorial description of the deployment and results obtained by the USAF with a LocataNet fielded over an area of 3,500 sq km at the White Sands Missile Range in New Mexico.

Locata is the only technology on earth that can deliver this performance in the total absence of GPS. The full story is here: http://www.insidegnss.com/node/3071







White Sands LocataNet Oct 2011 3,500 sq km, 10 x LocataLites

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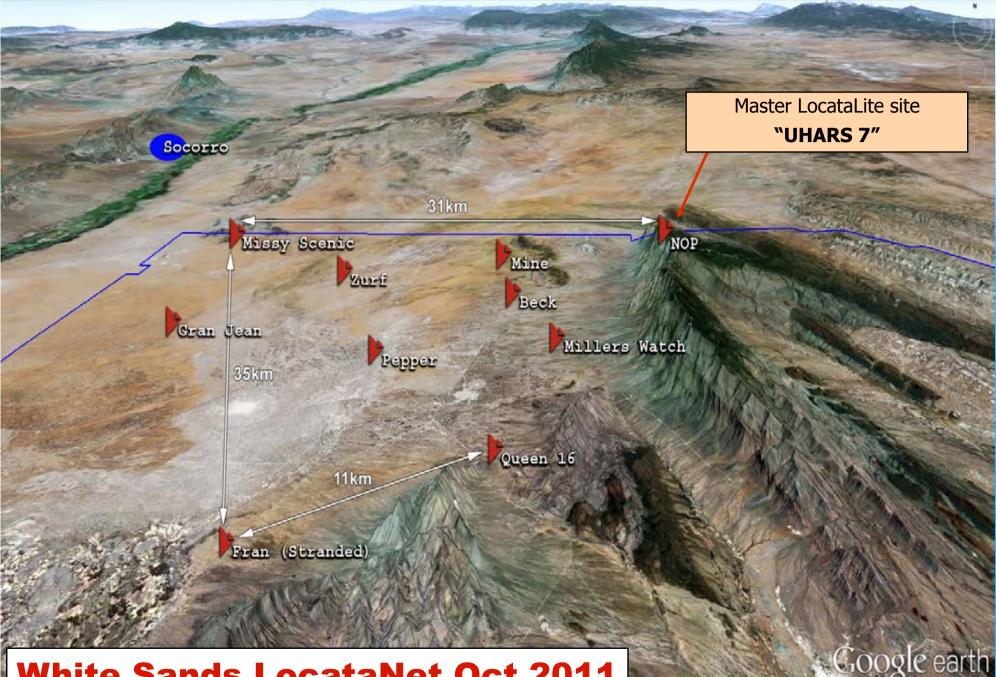
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Holloman Test Track Image NMRGIS Holloman Test Track Image © 2011 DigitalGlobs Image © 2011 GooEye © 2011 Google



White Sands LocataNet Oct 2011 3,500 sq km; 10 x LocataLites



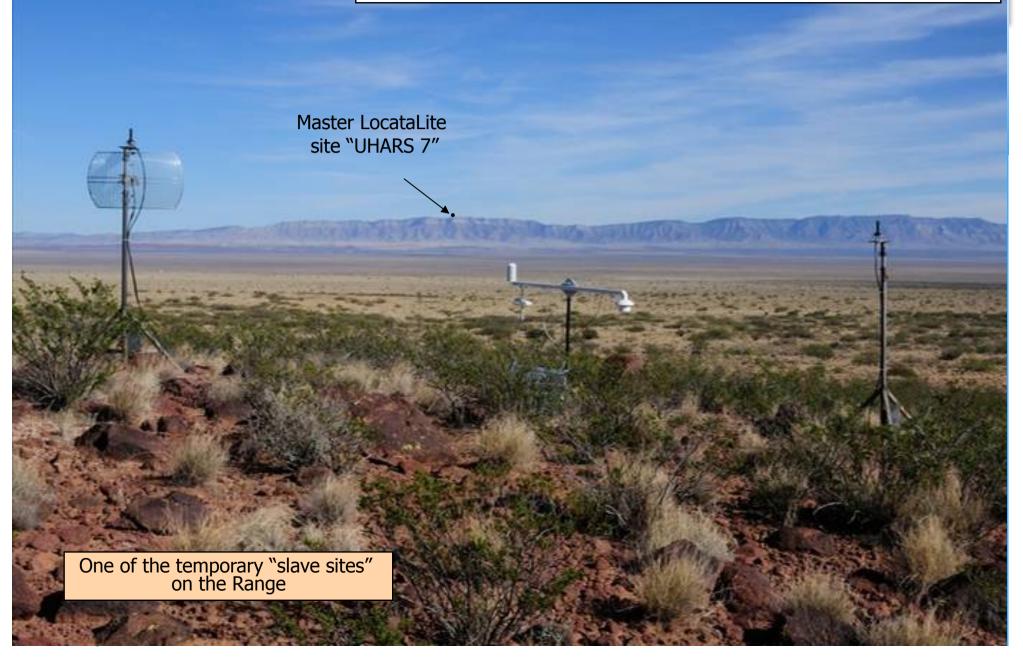
Master LocataLite site "UHARS 7"

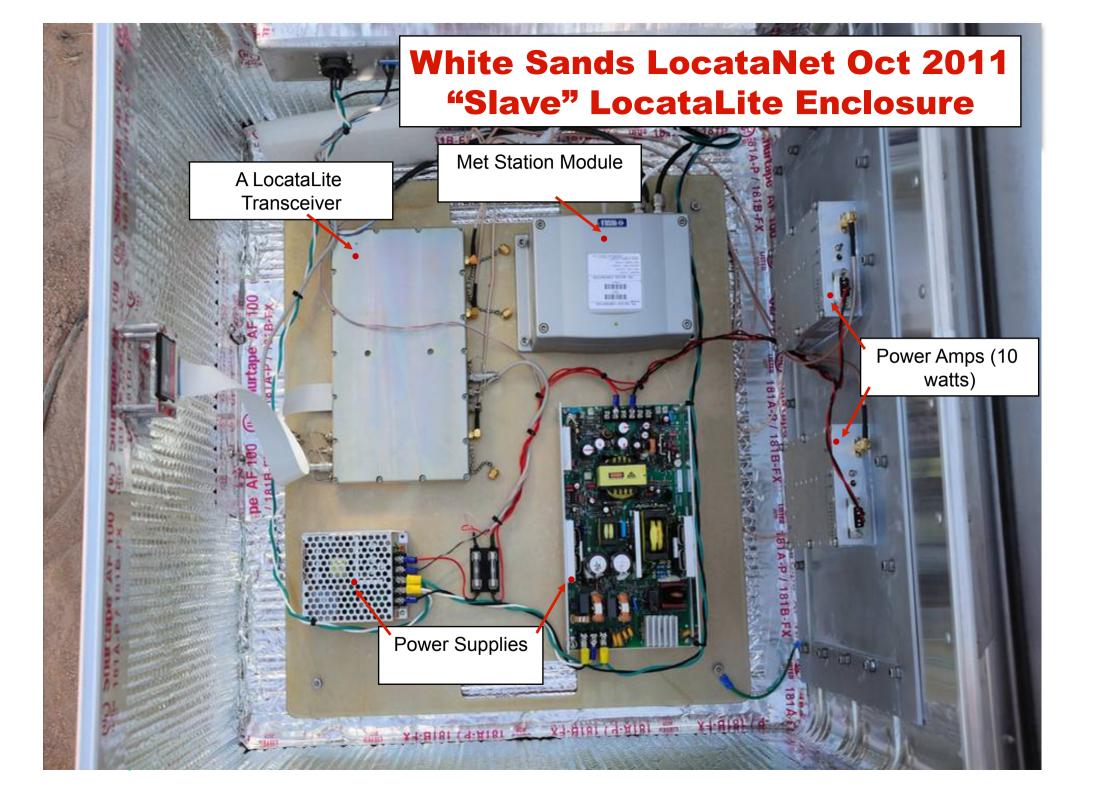
White Sands LocataNet Oct 2011 successfully covering 3,500 sq km

White Sands LocataNet Oct 2011 successfully covering 3,500 sq km



White Sands LocataNet Oct 2011 successfully covering 3,500 sq km









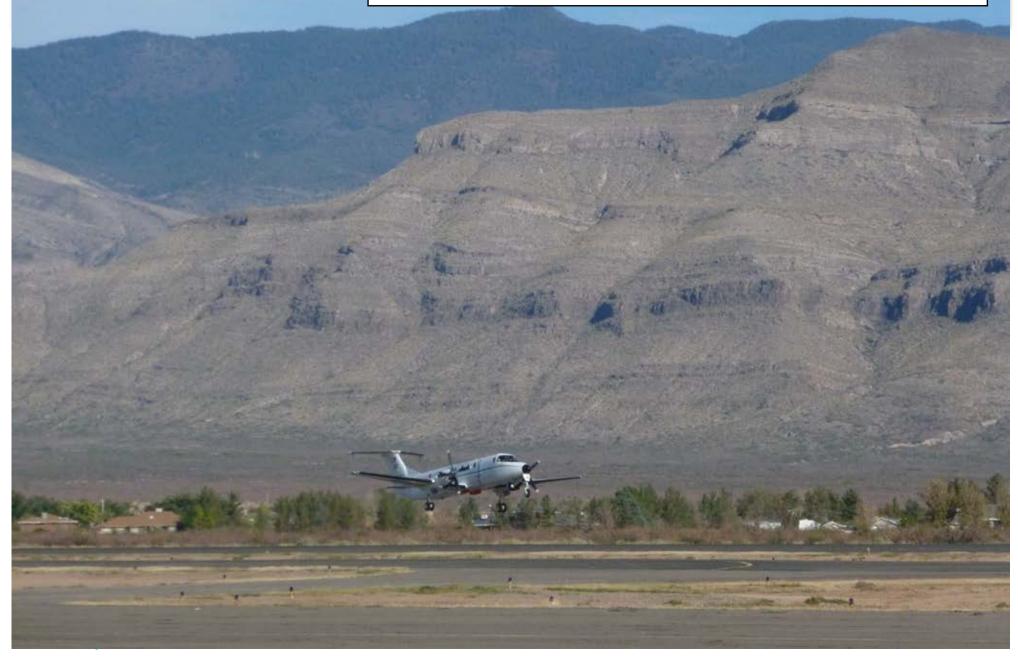
Current "USAF Truth" payload fitted to 746TS aircraft. A Locata antenna and receiver were added to this configuration

746TS Aircraft fitted with Locata antenna and receiver Н 60080 NITED STATES AIR FORCE

746TS Aircraft fitted with Locata antenna and receiver



746TS Aircraft fitted with Locata antenna and receiver



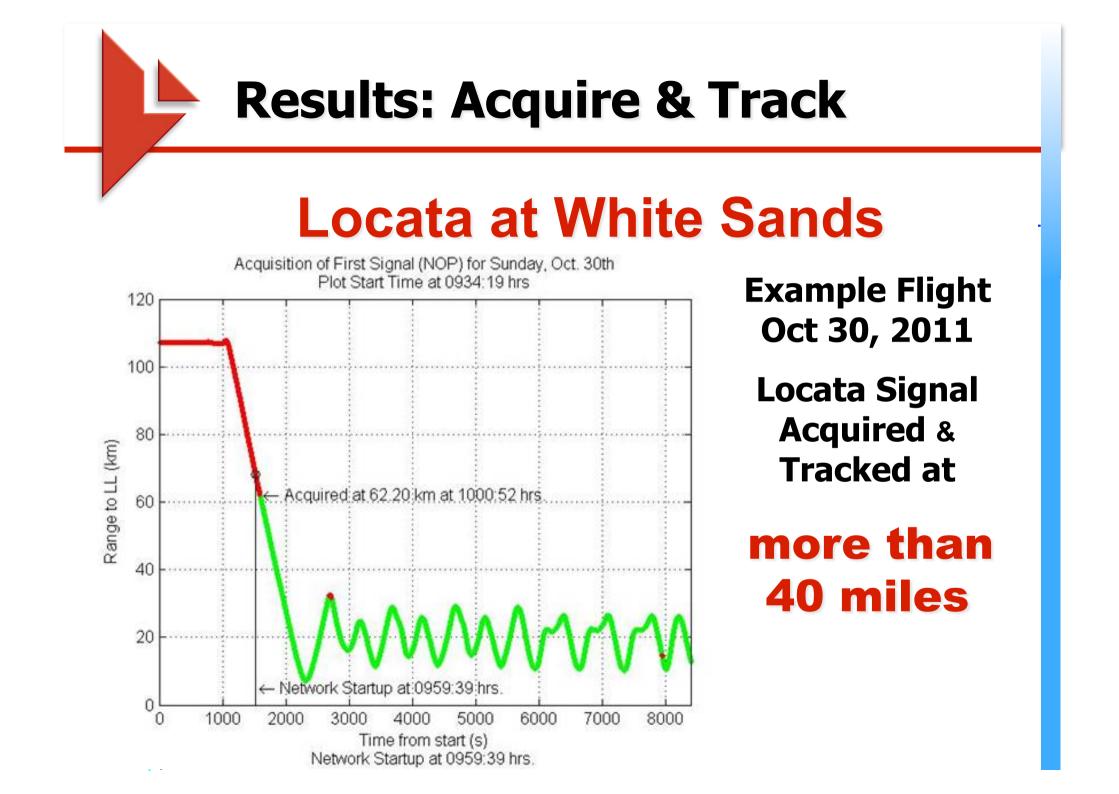
Desiree Craig USAF Program Manager UHARS & Locata

Success! First acquisition. 40 Locata signals in view



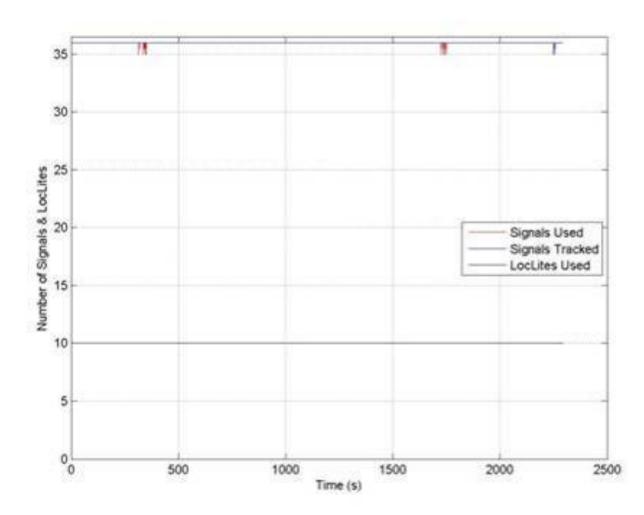
Locata at White Sands White Sands Missile Range, NM USAF Example Results... Flight - Sunday Oct 30, 2011

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Locata at White Sands



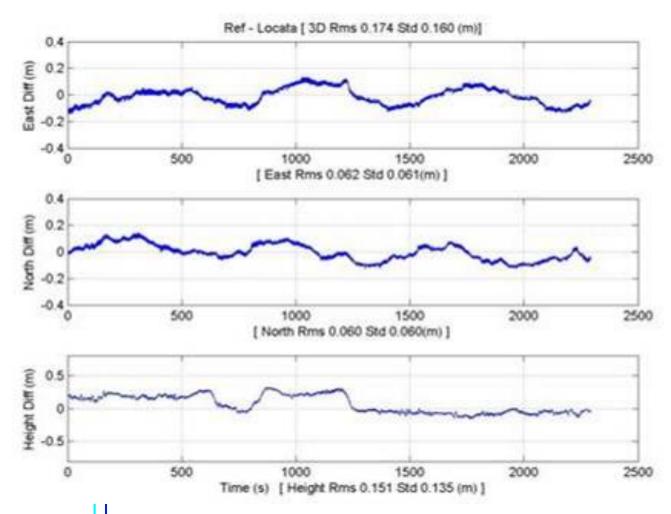
Example Flight Oct 30, 2011

Aircraft @ 25,000 ft @ up to 550 km/hr

Always 35+ Locata signals "in view"

Results: Position v. USAF Truth

Locata at White Sands



Example Flight Oct 30, 2011 Locata v. USAF ACCURACY ~30 mile range,

up to 550 km/hr

Horizontal: ~6cm (2.5") Vertical: ~15cm (6")

> Absolutely Amazing



"Locata is <u>the</u> key component for the USAF's nextgen Ultra High Accuracy Reference System"

...will become the new "gold standard truth system" for future navigation systems for the U.S. Dept of Defense."





Nunzio Gambale

Co-Founder, Chairman and CEO

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