![North Star Science and Technology logo]
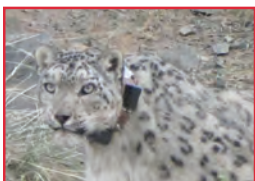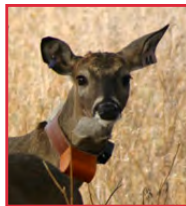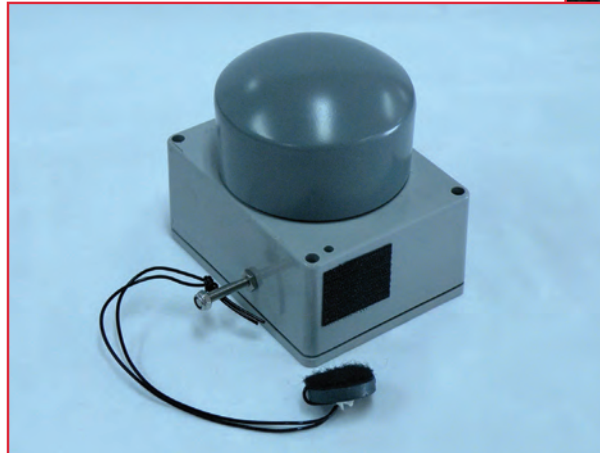
Trap Transmitter
Base Price—$1600

This device is intended to be used as a means of autonomously monitoring your wildlife traps (snare traps, culvert traps, etc.) so that you know the moment your trap has fired.


Features

♦ **Offers <u>Real Time</u> Monitoring through Globalstar Satellite System**

♦ **If you have sky, you have coverage**

♦ **Low Cost Satellite Air-Time; Real Time Data from the field to www**

♦ **Available with and without GPS Receiver**

♦ **Available with and without VHF Transmitter**

♦ **Web Based Data Secure and Password Protected**

♦ **Ideal for Remote Trap Locations**

♦ **Battery life measured in years; different battery configurations available, including rechargeable**

♦ **Can be configured to transmit "Operations Normal" message periodically to confirm device is working even though the trap has not fired yet**

♦ **Alarm function sends an E-mail alert the moment trap fires; repeats every hour for 6 hours**

♦ **North Star's Secure Customer Web Page Provides Seamless Data Fusion and Display on Google Earth™** →

♦ **Coverage Map for Globalstar Service with New Ground Stations now in Africa**
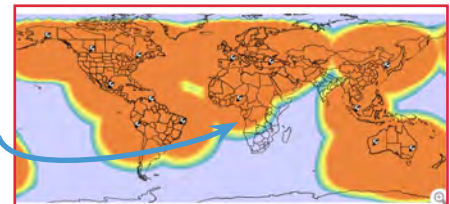
M. Blake Henke
410-961-6692 Cell
blake@northstarst.com

![North Star Science and Technology logo]

Trap Transmitter ~ Specifications

General Data

- **Output Power** — 150mW
- **Transmit Signal Length** — 1.5 Seconds
- **Temp Range** — −40° to +50° C
- **Frequency** — 1611.25 to 1618.75NHz
- **Modulation** — BPSK-modulated PRN Code
- **GPS Engine** — µBlox 16 Channel
- **GPS Accuracy** — +/− 10m horz, +/− 25 vert
- **GPS Antenna** — Active
- **GPS Datum** — WGS84
- **VHF Power Output** — 1—2mW
- **Waterproof Enclosure**
- **LED blinks when Transmitter is on**
- **Multiple magnetic switches are wired in parallel to ensure activation when magnet is removed**

If GPS is included:

- Specified accuracy is 2.5 meters CEP and 5 meters SEP. CEP is Circular Error Probability. It is the radius of a horizontal circle, centered at the true antenna position, containing 50% of the fixes. SEP is Spherical Error Probability. It is the radius of a sphere, centered at the true antenna position, containing 50% of the fixes.

- NOTE: We are turning off our GPS engine after 5 positions in a row (1 per second) are acquired with a horizontal accuracy of 5 meters or less.