

# μTOWER MicroTOWER

ATC



μTOWER



## POTOMAC AVIATION TECHNOLOGY INC

POTOMAC AIRFIELD \* 10300 GLEN WAY \* FORT WASHINGTON \* MARYLAND \* USA \*  
001 202 575 5700



A miniature, 100% solar-powered, self-contained, automated control tower / artificial intelligence for non-towered airports and heliports

The services of a control tower *Anywhere on Earth*

# Global Connectivity

SA 3000

# Global Satellite Communications



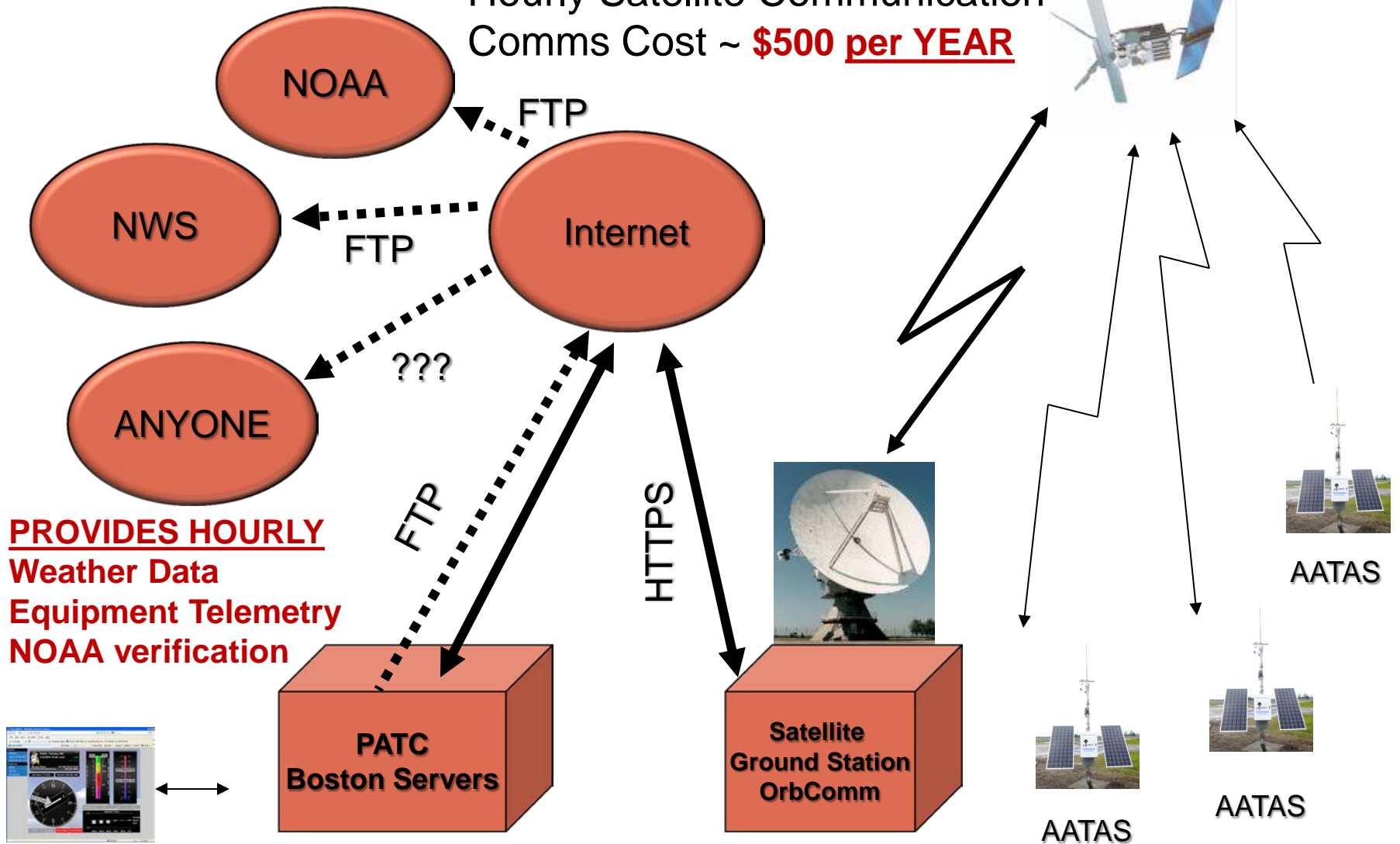
## Global Coverage



**ANYWHERE ON EARTH**

# SA 3000 STANDARD SATCOMM Setup

Hourly Satellite Communication  
Comms Cost ~ **\$500 per YEAR**



# Provides Internet WX Page for Each SuperAWOS *PLUS* Equipment Telemetry & NOAA correlation



Online Web Page  
for Each SA 3000 AATAS

**INCLUDES**


**Hourly Weather Data + Equipment Telemetry + NOAA QC ~ \$500 per YEAR**

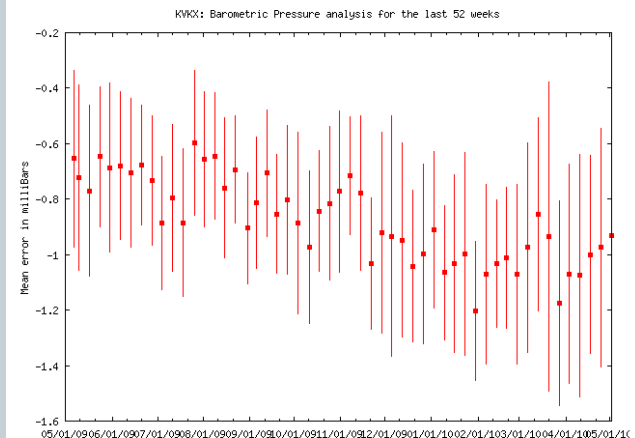
## Correlation Verification by NOAA

### Barometer

Average barometer error: -0.9 millibars  
Error standard deviation: 0.3 millibars



MADIS rating 



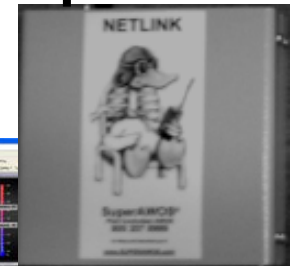
# COST SAVING NETLINK OPTION

## If Internet Connection is Available at the Airport

### • NETLINK

#### ○ A Wireless Bridge

- ✦ Bridges SuperAWOS to Airport's LAN – where available
- ✦ Range at 1/2 -1 Mile, or more
- ✦ 900 MHz or 2.4 GHz Encrypted Spread Spectrum – No License Required



LIVE WEB PAGE

#### ○ A Server Device

- ✦ Provides **LIVE WEB PAGE** on Airport's LAN & Available over Internet

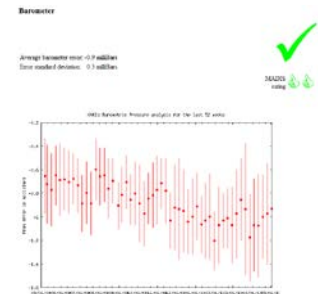
### • REMOTE DATA CONNECTION OPTIONS

#### ○ Option 1 **LIVE WEB PAGE + INTERNET FREE**

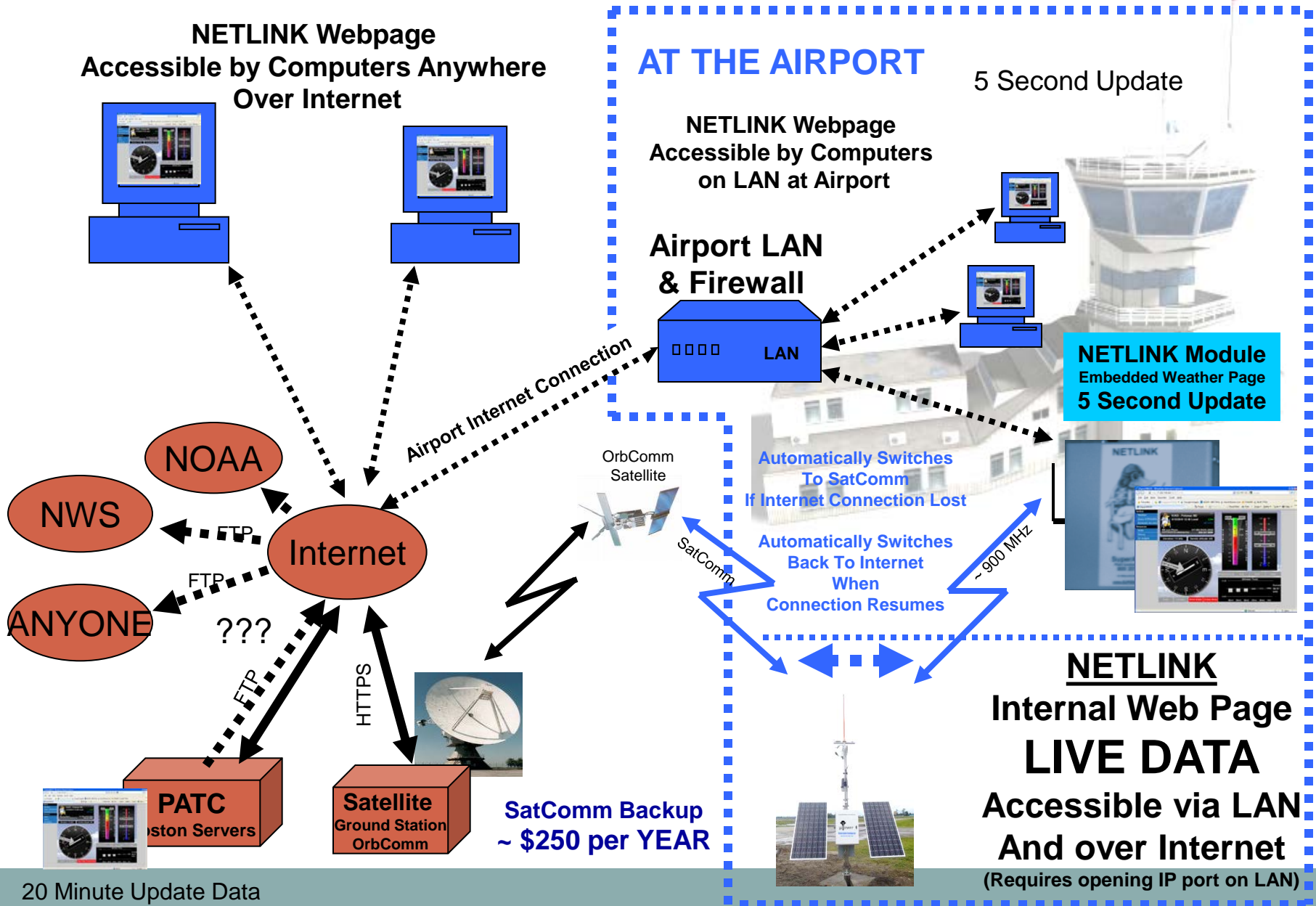
- ✦ LIVE weather graphic available over Airport's LAN
- ✦ Remote Internet Connectivity via LAN / Internet
- ✦ Provides ALL SuperAWOS Remote Connectivity & Oversight features

#### ○ Option 2 **SATCOMM BACKUP to INTERNET ~\$500 per YEAR**

- ✦ Adds Satellite to backup to Netlink LAN / Internet
- ✦ If local Internet connection interrupted, automatically switches to SatComm for backup
- ✦ When Internet re-connects, automatically switches back to FREE internet connection



# NETLINK – An Alternative No-Cost Data Path to the Internet



# Internet WX Page for Each SA 3000



- *Looking at Airport NETLINK*
  - LIVE data – 5 Second Refresh



- *Looking at PATC SERVER*
  - 20 Minute Data from Netlink
  - 60 Minute Data from SatComm



*THANK YOU!*



**POTOMAC AVIATION TECHNOLOGY CORP**  
**800 207 8999 USA**  
**301 248 5720 INTERNATIONAL**