



AUTOMATIC POSITION REPORTING SYSTEM (APRS)

Mike Heskett

WB5QLD

Rng1024 Nmiles
Lat 39 03.38N
Lon 095 33.64W

At 1918 ing USA.map

VE6

VE5

VE4

VE2

VE3

Best MAP!

2

1

0

9

8

3

6

4

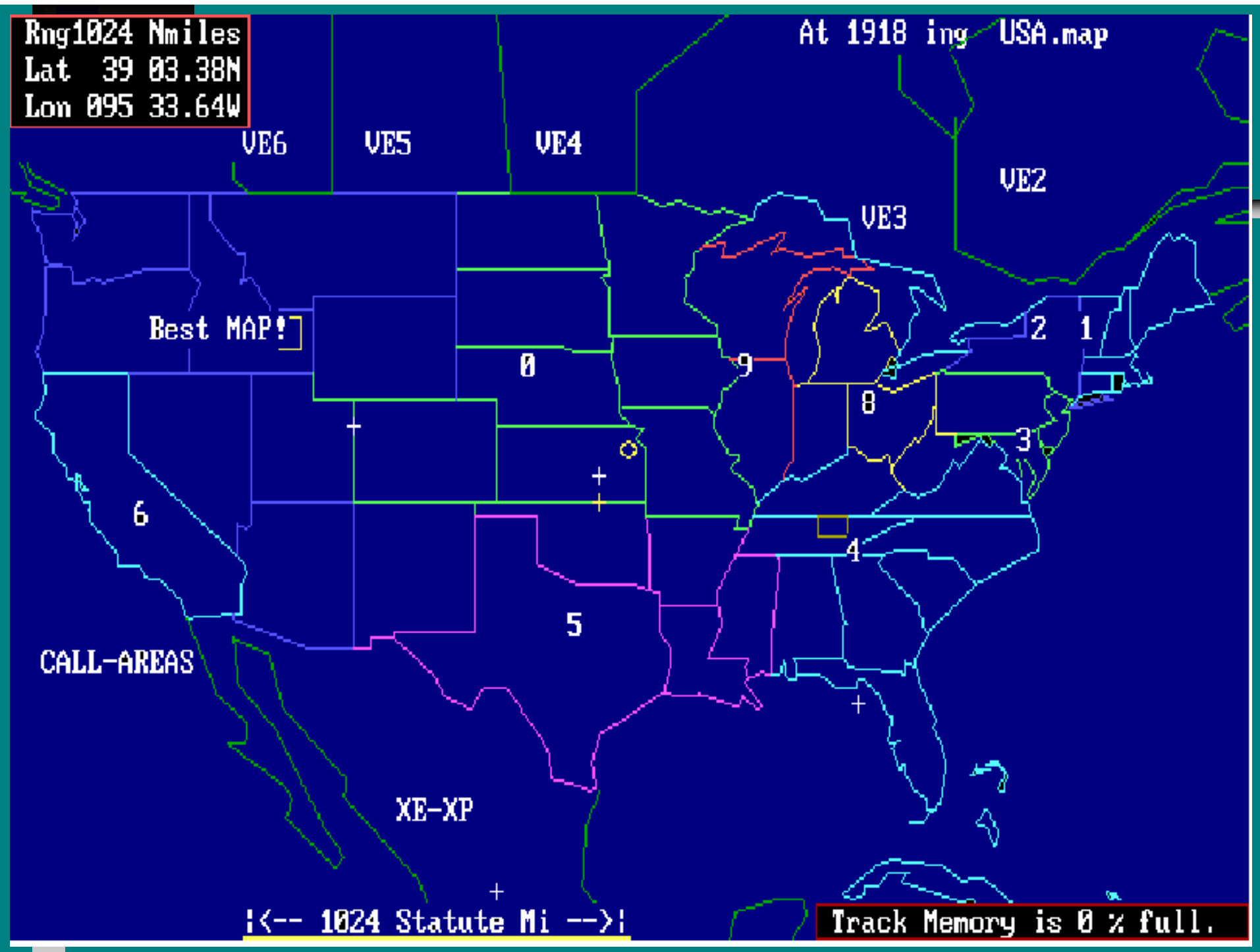
5

CALL-AREAS

XE-XP

!<-- 1024 Statute Mi -->!

Track Memory is 0 % full.



AGENDA

- ◆ *Introduction to APRS*
 - ◆ *What is APRS?*
 - ◆ *How can APRS be used?*
- ◆ *Supported Platforms*
- ◆ *Supported Products*
- ◆ *Advanced Topics*
 - ◆ *APRS / Weather Reporting*

What is APRS?

- ◆ *Unlike other Packet programs*
- ◆ *Reporting System*
- ◆ *Uses Unnumbered Information (UI)*
- ◆ *Station/Position/Object Reports*
- ◆ *One-line Messages*

What is APRS

- ◆ *Types of APRS Stations*
 - ◆ *Typical Home Config*
 - ◆ *Mobile Trackers*
 - ◆ *Full Tracker*
 - ◆ *Stand-alone Tracker*
 - ◆ *MIC-E*

How can APRS be used? (Applications)

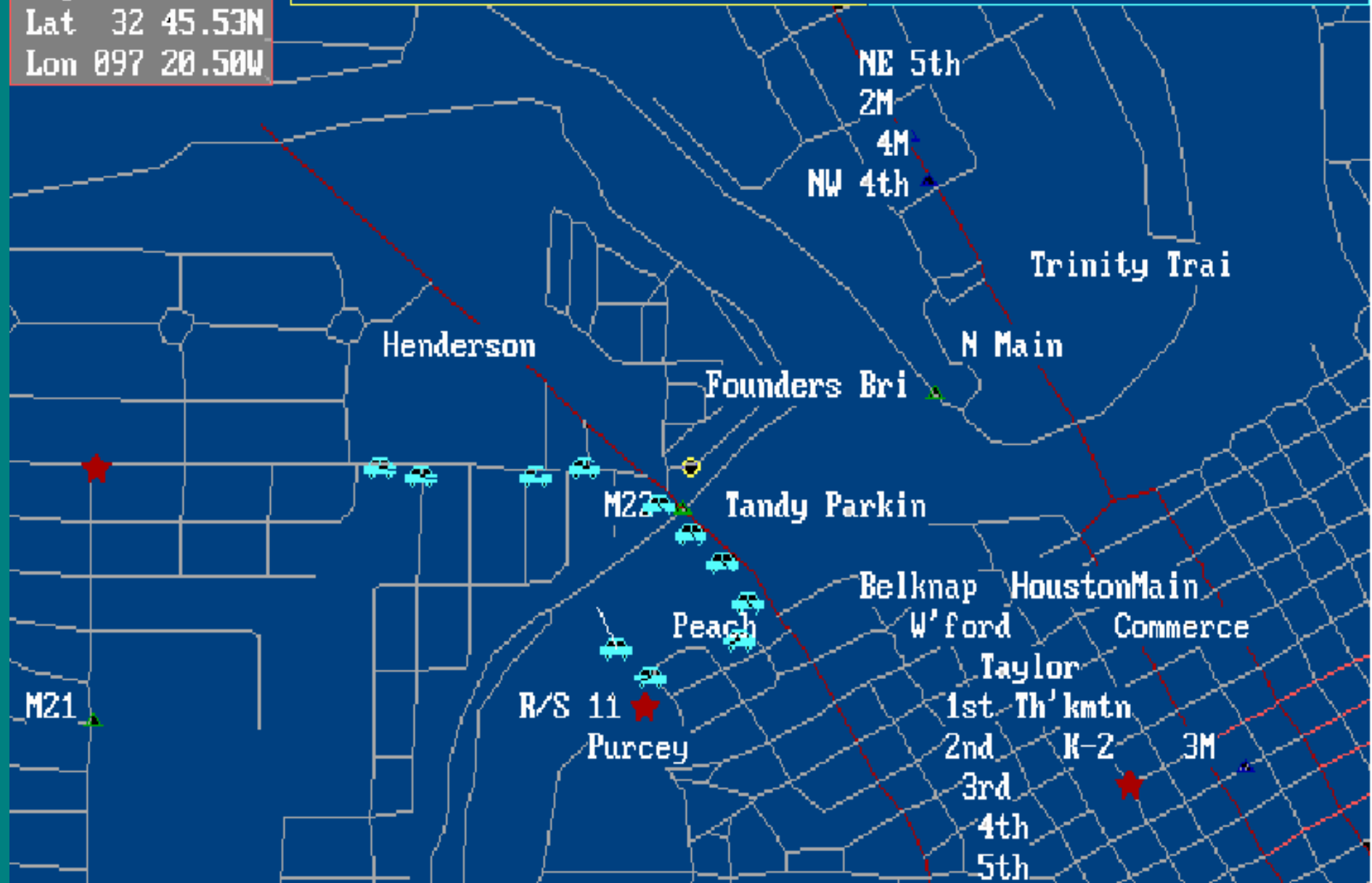
- ◆ *Space Applications*
- ◆ *DX Cluster*
- ◆ *Public Service Events*



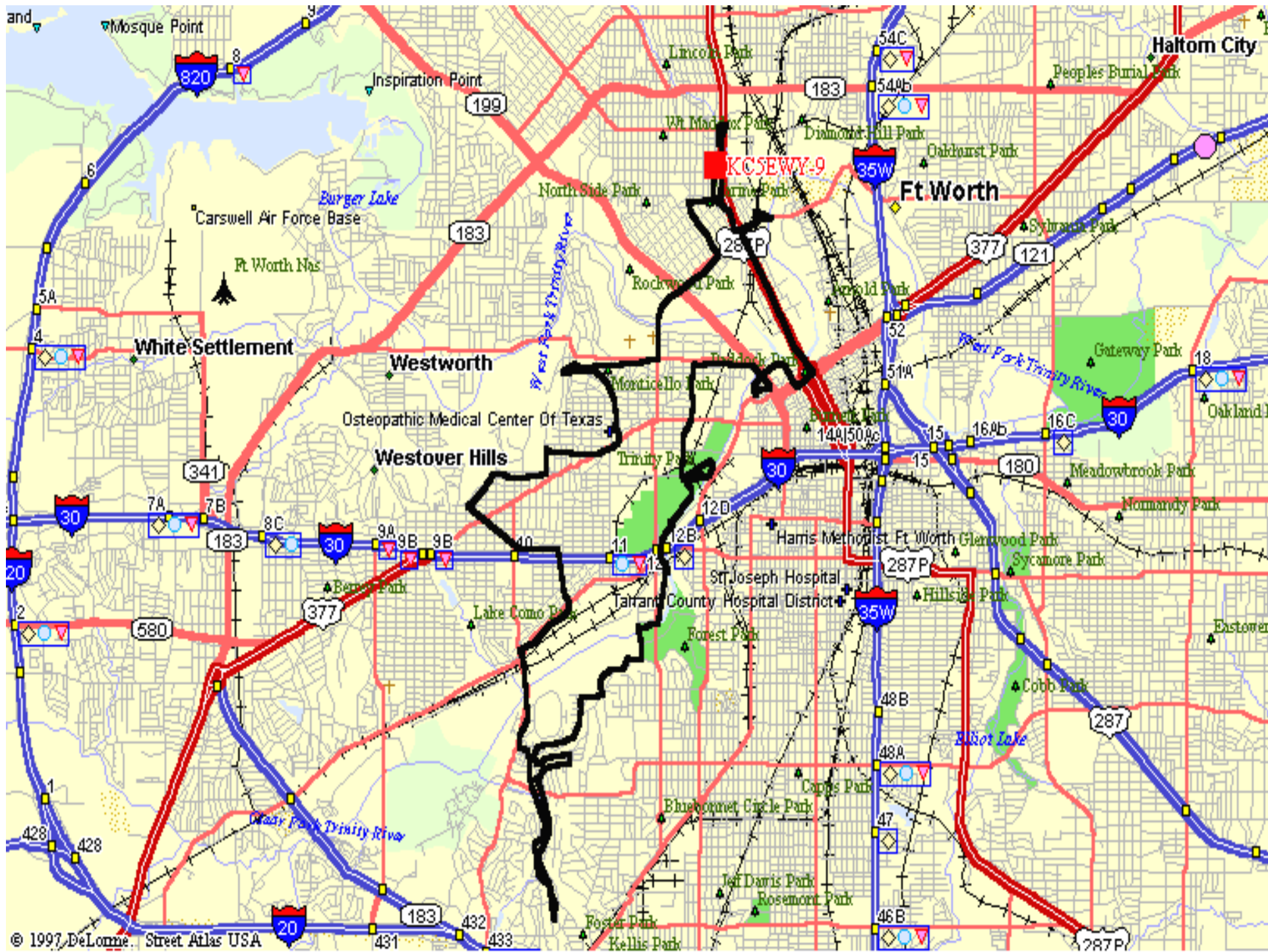
Rng .5 Nmiles
Lat 32 45.53N
Lon 097 20.50W

Features OFF = C

PAUSE! Hit (P) to continue



REPLAY CMDS: PgUp/Dn, HOME, Dots, Calls, Grid, Fast, Med, Slow, Pause, Quit
AA5YF-9 241401 @242001z3245.34N/09720.60W>332/004/raw*/good RMC Fix



How can APRS be used?

(Applications)

- ◆ *Weather Station Reporting*
- ◆ *SKYWARN*
- ◆ *Stolen Vehicle Locator*
- ◆ *Direction Finding*

How can APRS be used?

- ◆ *Frequency*
- ◆ *Digipeaters*
 - ◆ *RELAY*
 - ◆ *WIDE*
- ◆ *Gateways*

How to get more info

- ◆ *Subscribe to APRSSIG mailserv*
 - ◆ *www.tapr.org*
- ◆ *Get APRS and READ, READ, READ the DOC files*
- ◆ *E-Mail*
 - ◆ *mheskett@startext.net*

How to get more info

- ◆ *WWW Sites*

- ◆ *Dallas/Fort Worth APRS Unofficial Home Page*

- ◆ *<http://www.startext.net/homes/rcasey/aprs.htm>*

- ◆ *Mike Heskett's Home Page*

- ◆ *<http://www.startext.net/homes/mheskett/>*

How to get APRS

◆ *TAPR*

◆ *WWW* <http://www.tapr.org/>

◆ *FTP* <ftp://ftp.tapr.org/tapr/SIG/aprssid>

◆ *Rutgers*

◆ *APRS - WinAPRS - RUTGERS*

◆ <http://aprs.rutgers.edu/>

Supported Platforms

◆ *DOS*

◆ *MAC*

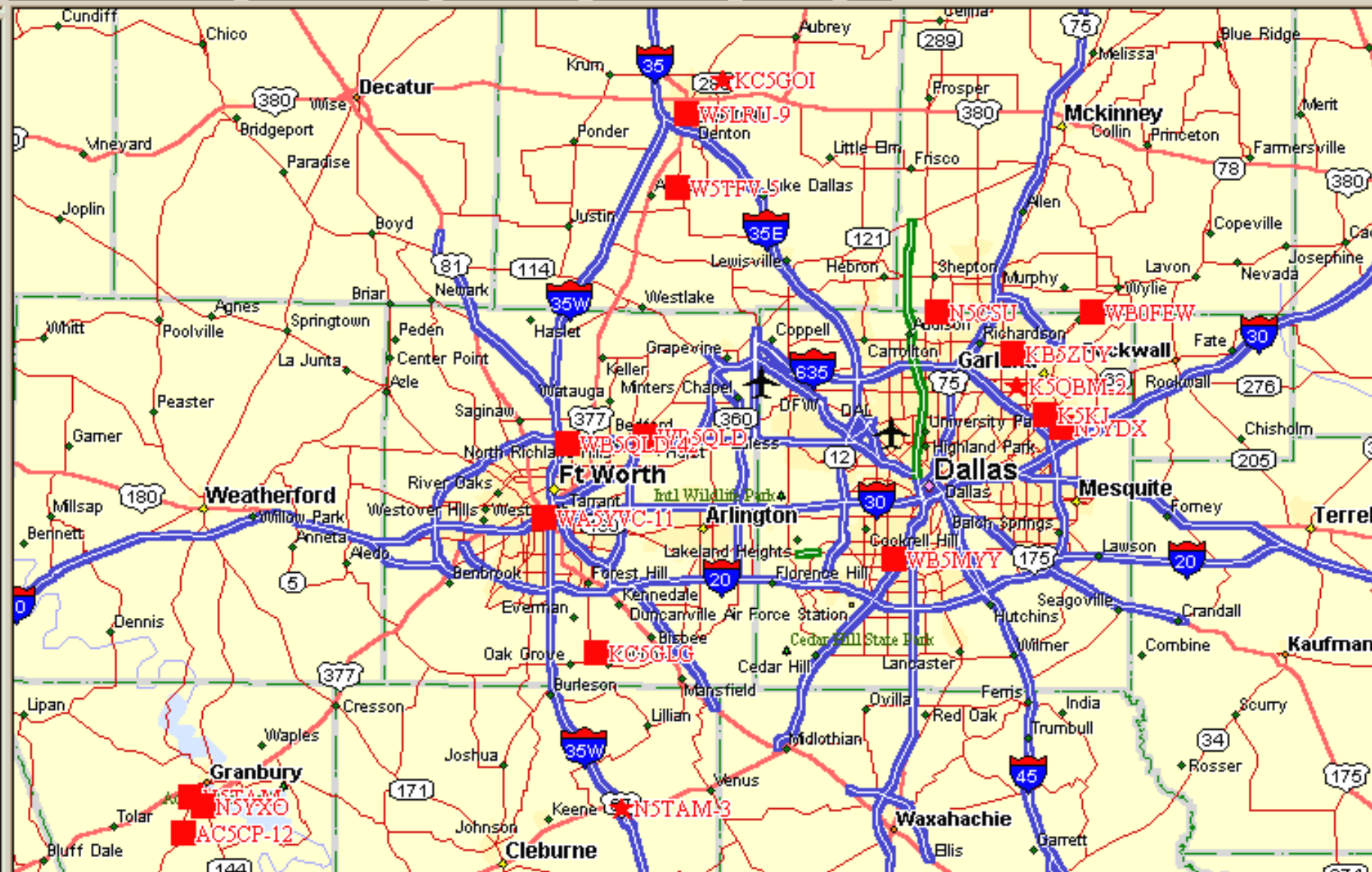
◆ *WINDOWS*

Supported Products

- ◆ *APRSdos*
- ◆ *MacAPRS*
- ◆ *WinAPRS*
- ◆ *APRSPLUS (APRSA4; APRS+SA)*
- ◆ *JAVAprs*
- ◆ *APRServe*

Which one should I choose?

- ◆ *Only two easy answers*
 - ◆ *Mac User*
 - ◆ *Low end PC User*
- ◆ *The rest are trade-offs*
 - ◆ *Win 95*
 - ◆ *Win 3.1 - 3.11*



N32° 20.6', W97° 52.5

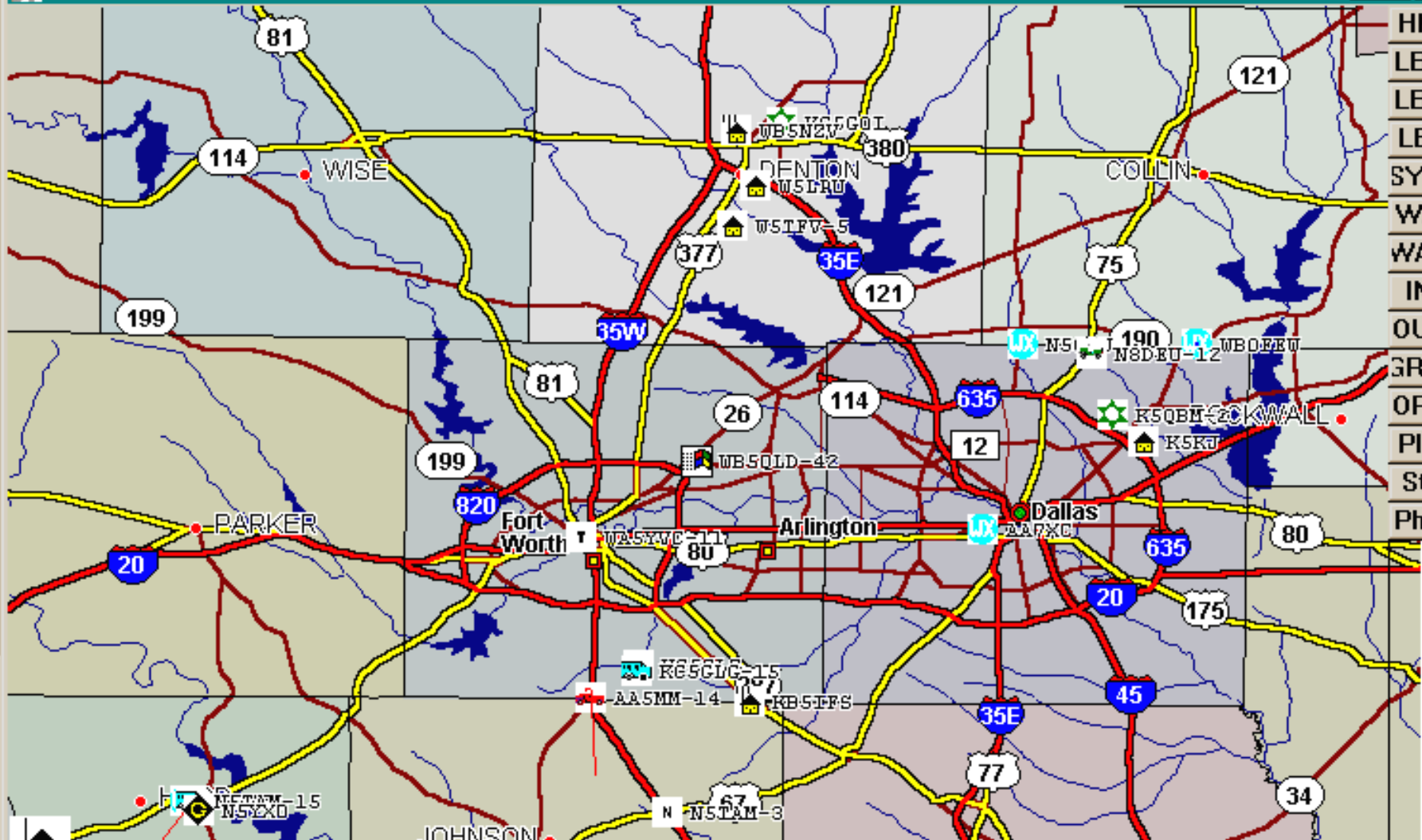
mag 9

10 miles

Office

Microsoft

Precision Mapping window



- HM
- LBL
- LB+
- LB-
- SYM
- WX
- WAY
- IN
- OUT
- GRID
- OPT
- Pla
- Str
- Phn



Microsoft

WB5QLD Packets 262

Lat 32 50' 33"N	Lon 97 11' 29"W	EM12JU
-----------------	-----------------	--------

Advanced Topics

- ◆ *APRS / WX*
 - ◆ *Automated WX Stations*
 - ◆ *Spotter Location*
 - ◆ *Adding WX Related Objects*
 - ◆ *County Warnings*
 - ◆ *APRS at NWS*

Summary

- ◆ *“Real” applications*
- ◆ *Fun*
- ◆ *More APRS stations needed*
- ◆ *More WX stations needed*

Questions



?