

## Overview of The Central Florida Tornado Outbreak February 22nd & 23rd, 1998

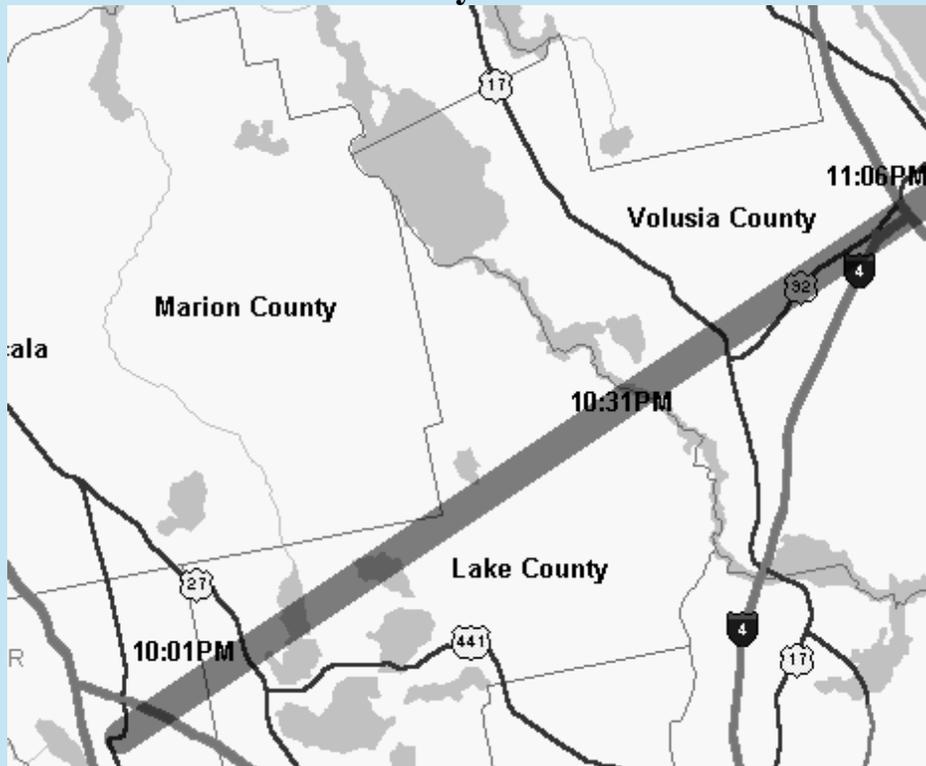


View looking between two homes, through to a street of severe damage [\(more pictures below\)](#)

The graphics below depict an approximate track of the thunderstorm "supercells" which produced the mesocyclones associated with the tornadoes that raked Central Florida on the 22nd & 23rd of February, 1998 and killed 42 people. These mesocyclone tracks are approximated from radar imagery. Some of the imagery is provided here for an overview.

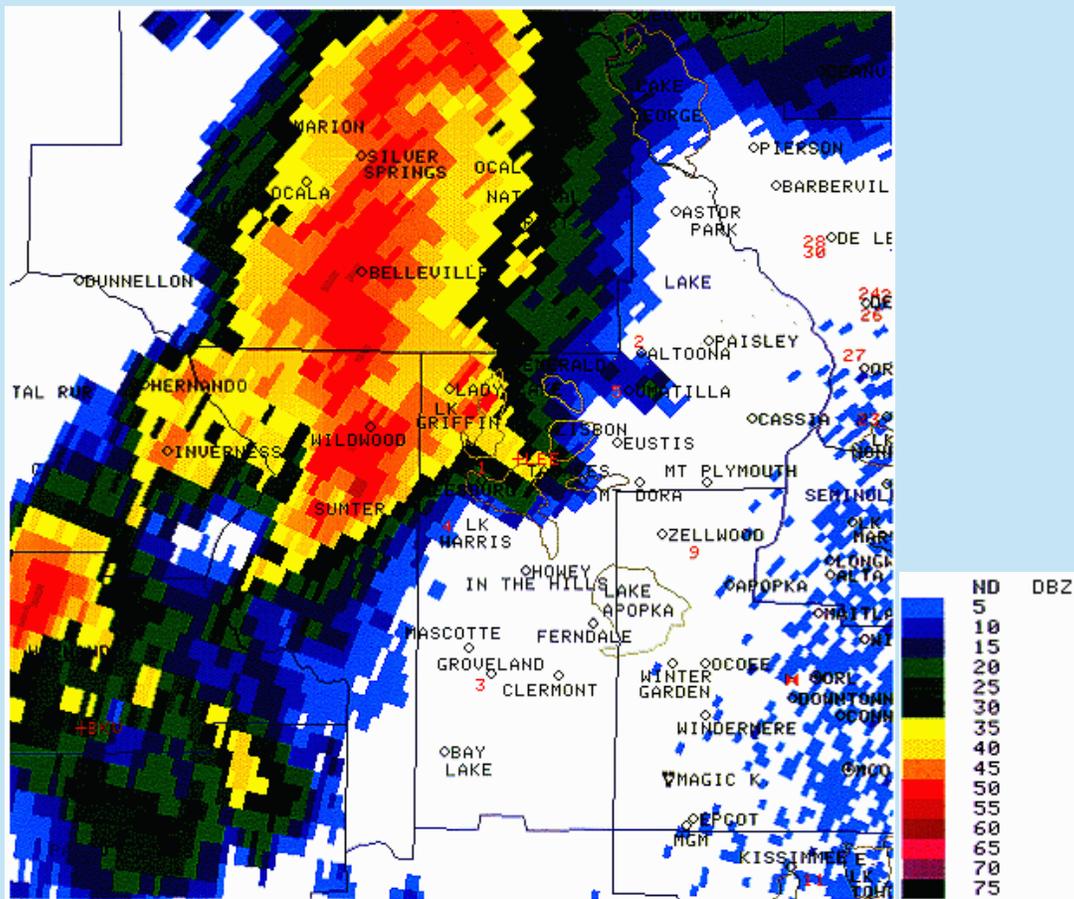
The scale to the right of each image reveals the associated radar return in dBZ (reflectivity; brighter colors equate to heavier rainfall) and wind speed in knots (storm relative velocity; green colors indicate motion toward the radar site, while red colors indicate motion away from the radar site; in this case the Melbourne radar).

## Mesocyclone 1

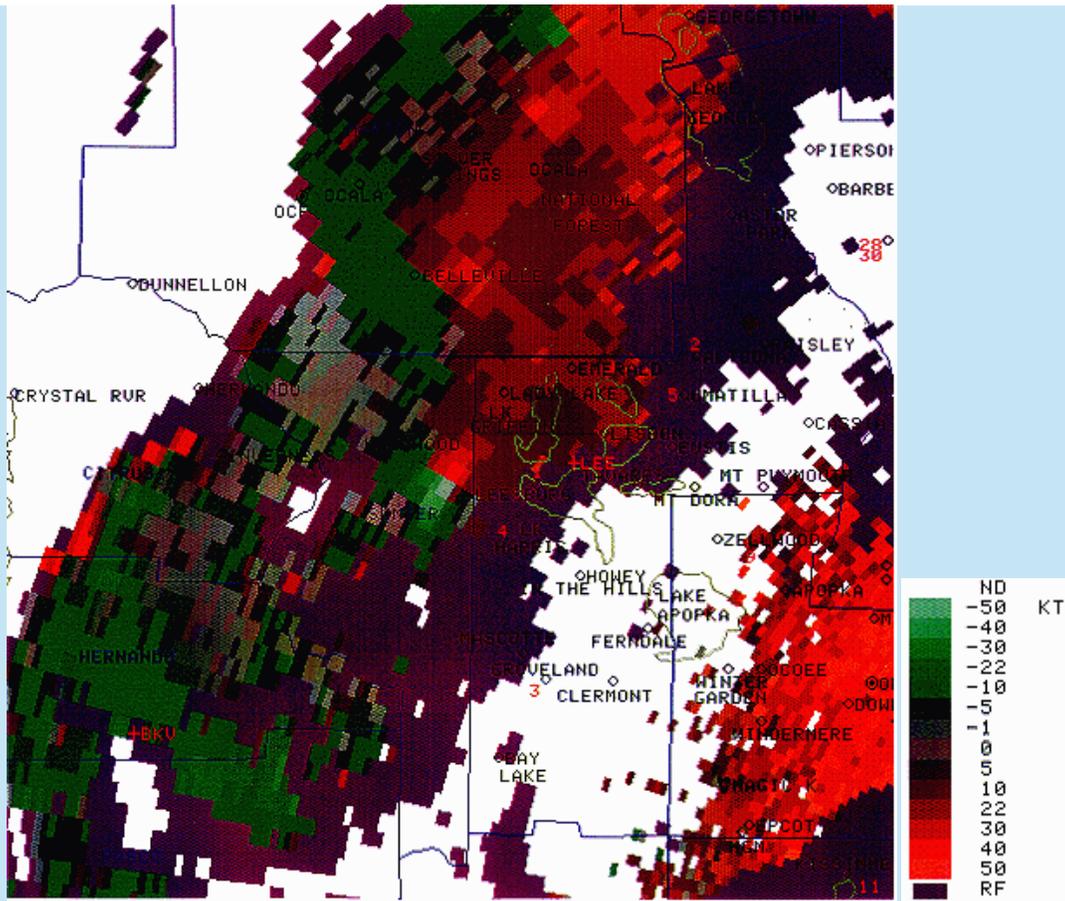


Mesocyclone 1 primarily affected Volusia County, near De Leon Springs and then Daytona Beach.

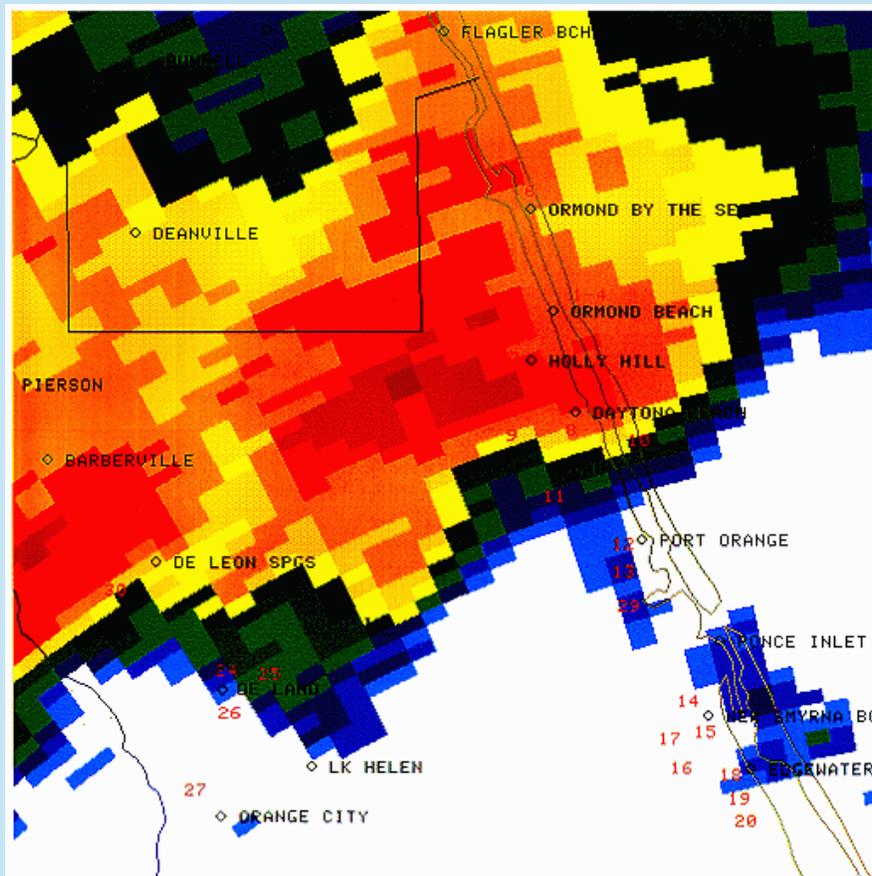
## Radar imagery associated primarily with mesocyclone 1:



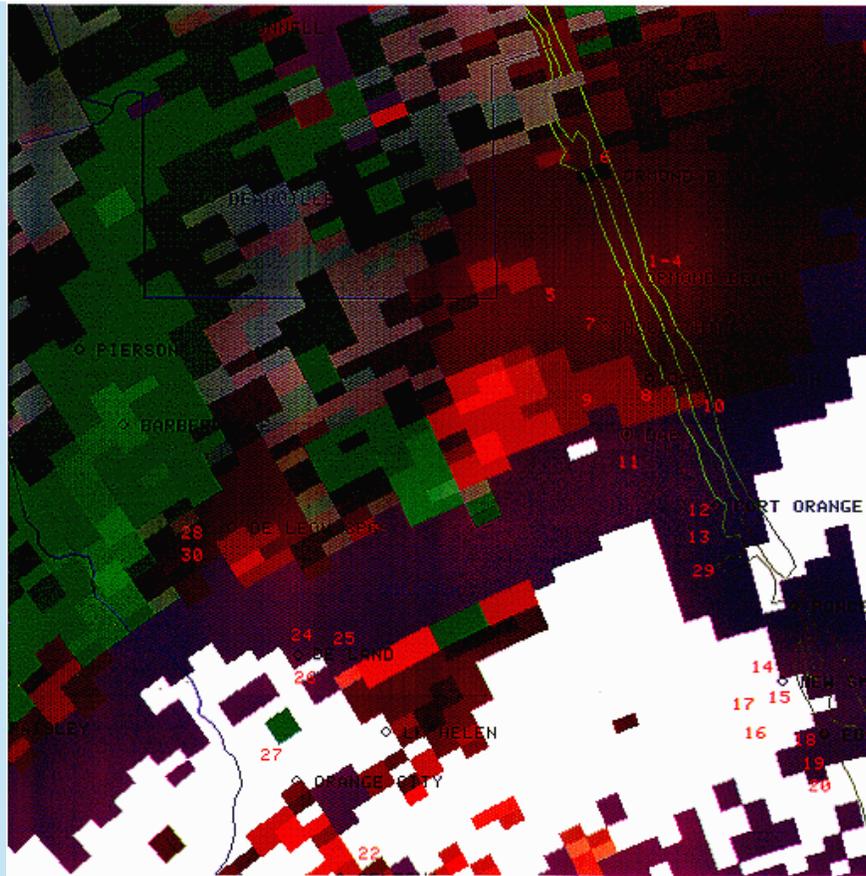
Reflectivity product on February 22, 1998 at 9:46 EST



Doppler velocity Product February 22, 1998 at 9:51 PM EST

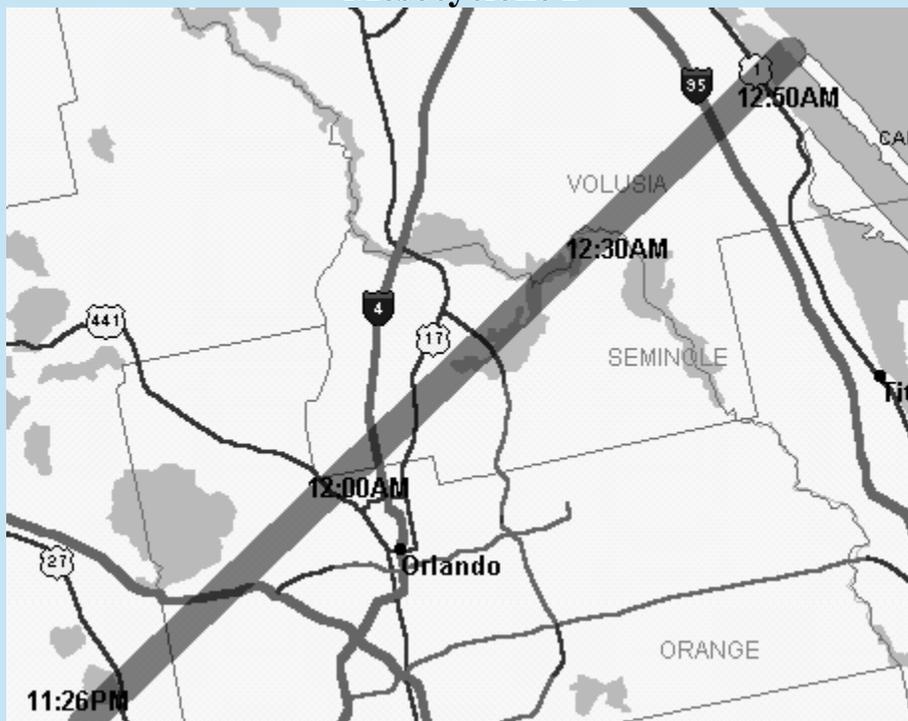


Reflectivity product on February 22, 1998 at 10:51 PM EST



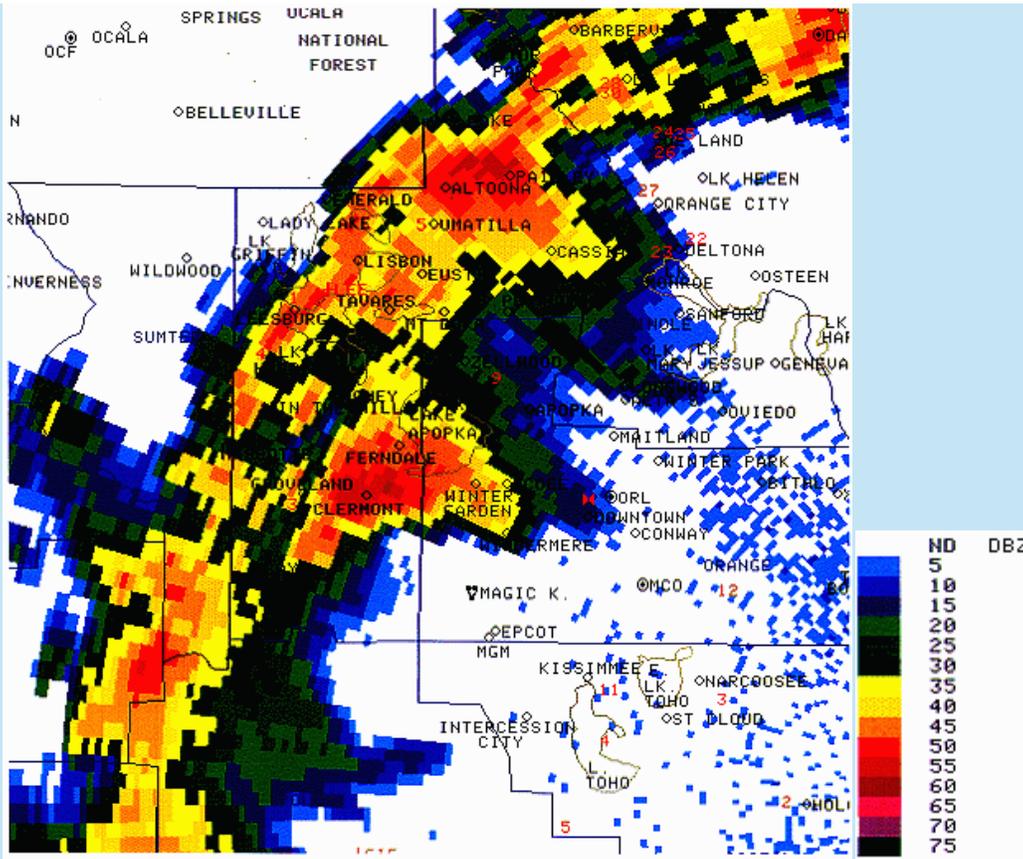
Doppler velocity product on February 22, 1998 at 10:51 PM EST

## Mesocyclone 2

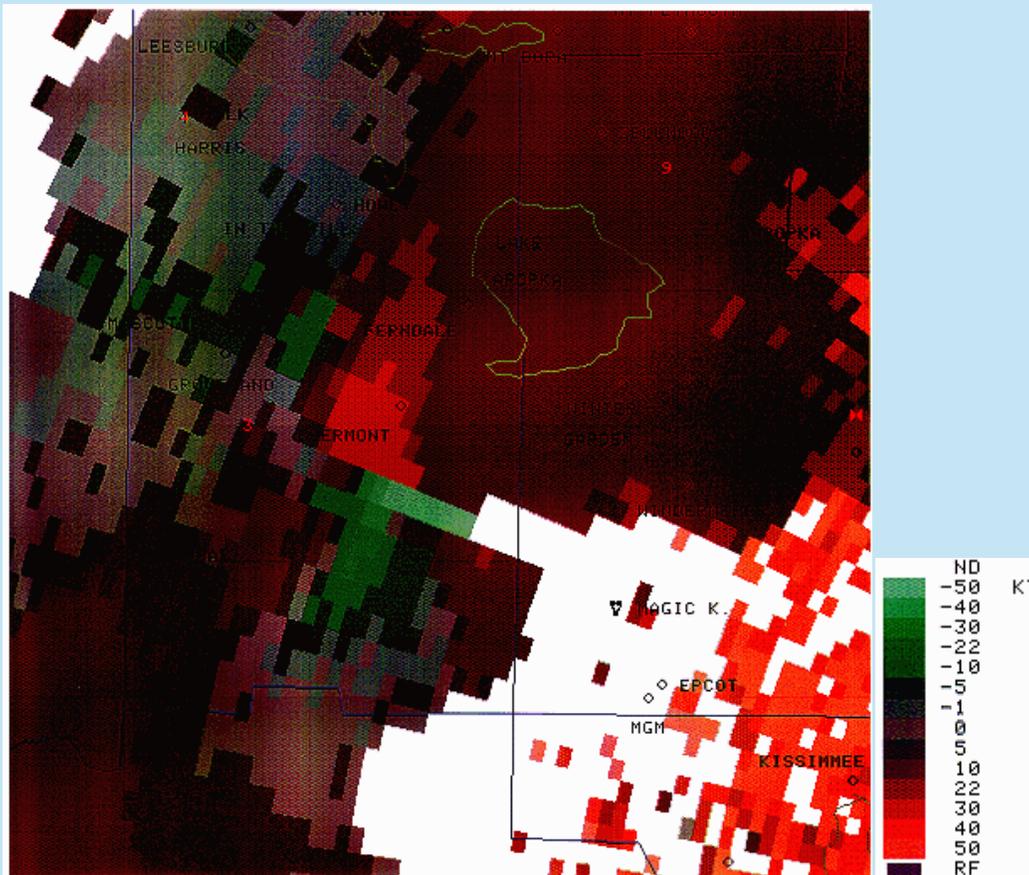


Mesocyclone 2 primarily affected areas of Orange, Seminole, and Volusia Counties passing from Winter Garden and Ocoee through Longwood, Sanford, Osteen and finally Edgewater.

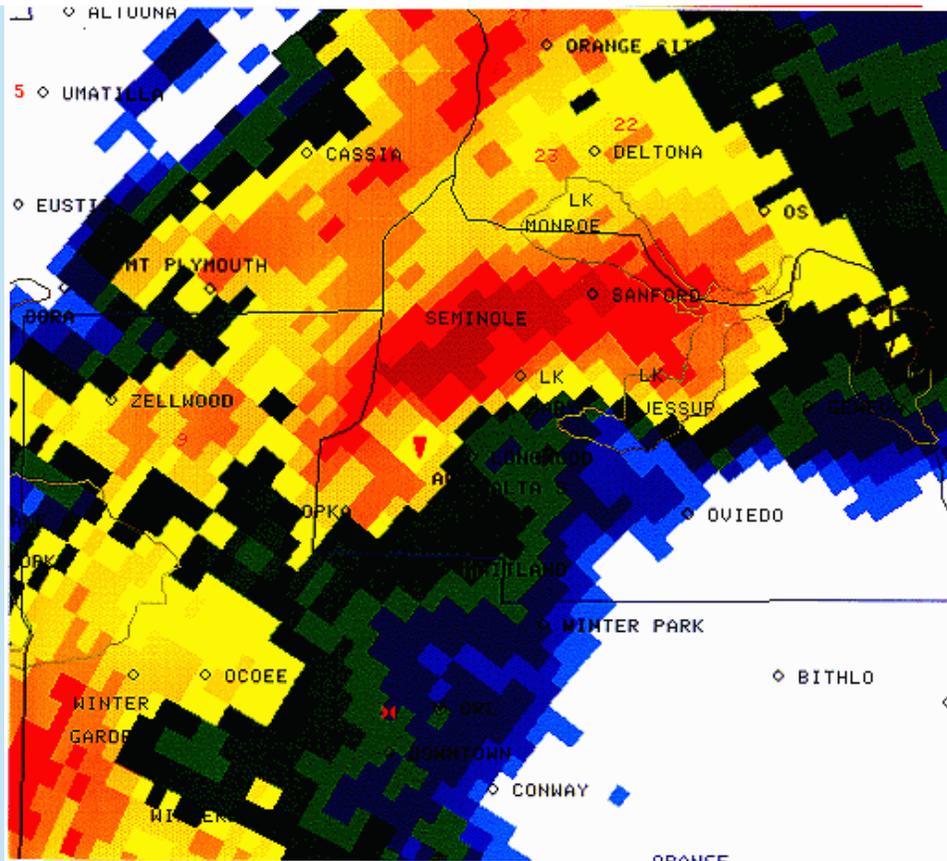
**Radar images associated primarily with mesocyclone 2:**



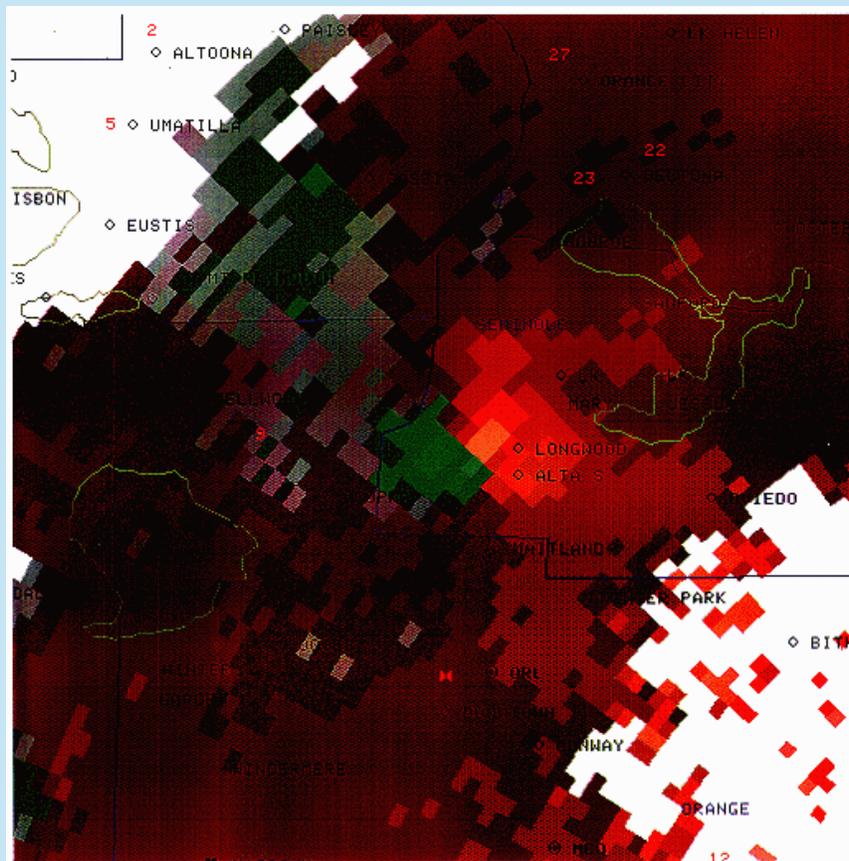
Reflectivity Product on February 22, 1998 at 11:29 PM EST



Doppler Velocity product on February 22, 1998 at 11:29 PM EST

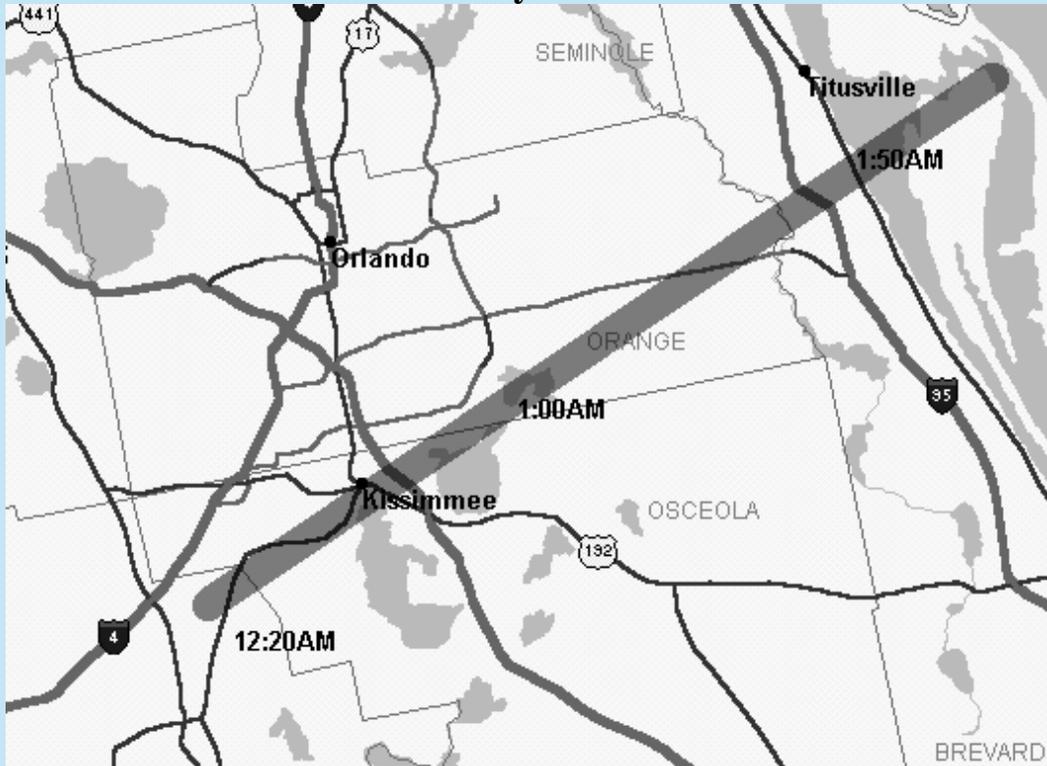


Reflectivity Product on February 23, 1998 at 12:05 PM EST

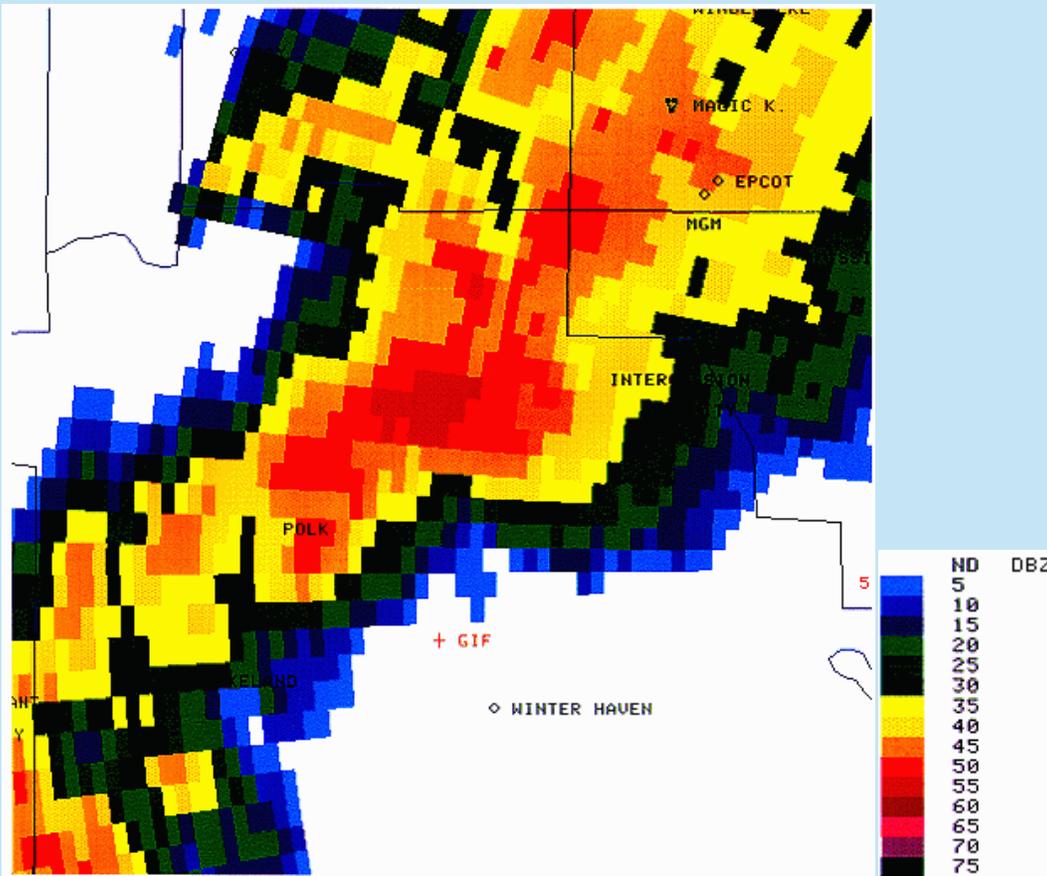


Doppler Velocity product on February 23, 1998 at 12:05 AM EST

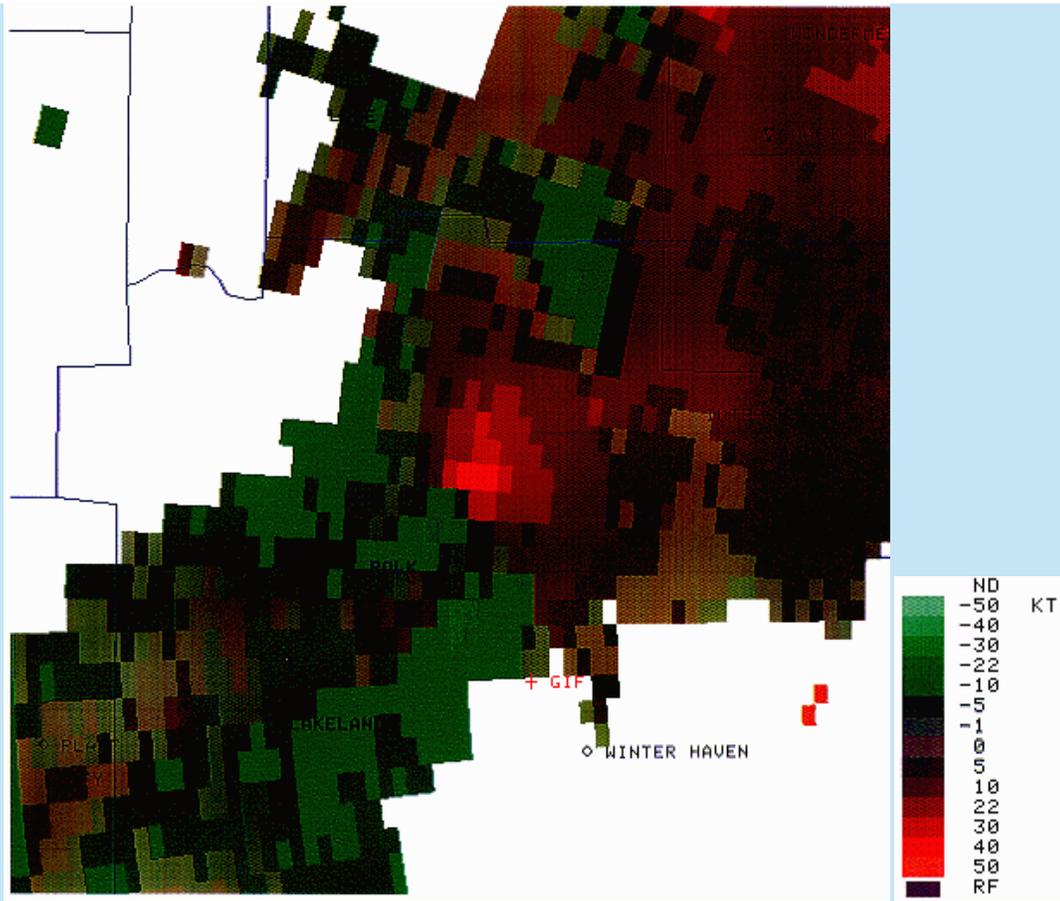
### Mesocyclone 3



Mesocyclone 3 primarily affected area from Intersession city through Kissimmee in Osceola County then to near Titusville and Cape Canaveral in Brevard County.



Reflectivity product from February 23, 1998 at 12:10 AM



Doppler velocity product from February 23, 1998 at 12:10 AM EST

Here are a few pictures representative of some of the damage in the Kissimmee area.



Governor's Survey team and media at RV Park in Kissimmee on the afternoon of 2/23/98.



**RV Park damage in Kissimmee.**



**RV frame wrapped around a tree. Note relatively undamaged areas nearby.**



**Looking through the garage door of a severely damaged concrete-block and brick veneer building.**



**All that is left of what was a brand-new concrete-block and stucco home, Structure left standing is front-door entryway and one partial wall with a window. This subdivision was directly across the Florida Turnpike from the RV Park, where damage photos above were taken.**