Growing Up with Unidata

**1984
Perth Central School
Watching Weather Channel**

Unidata in embryonic state

**1989
Penn State University
Forecasting with Difax Maps
No e-mail account
No LDM/IDD**

Growing Up with Unidata

**June 1994
Bergen, Norway
75th Anniversary of NCM
Iskenderian, Hakim, Martin,
Lackmann, Steenburgh**

**Using GEMPAK, etc. for
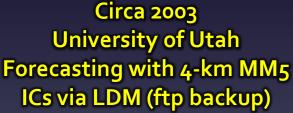doctoral research
No IDD yet**

**Feb 1995
University of Washington
Forecasting with 27-km MM5
Output viewable with Mosaic**

**ICs from Eta in netCDF
Download via FTP**

IDD 3 months old

Growing Old with Unidata

Jim Steenburgh
Professor and Chair of Atmospheric Sciences

Circa 2003
University of Utah
Forecasting with 4-km MM5
ICs via LDM (ftp backup)

Teaching with LDM feed
using NMAP

2011
University of Utah
Forecasting with SREF
(getting tired for realtime)

No LDM
Teaching with IDV & accessing
data from THREEDS servers

Growing Old with Unidata

1990
Cray Y-MP
2.3 gigaflops

2012
iPad2
1.5 gigaflops

Growing Old with Unidata

Old school
hardware for accessing
weather data

New school

What Hasn't Changed

Critical role played by the Unidata community
(which is now quite large)

Key Question

Unidata has played a transformative role in geoscience education and research during the past three decades

How can it continue to do so in the future?