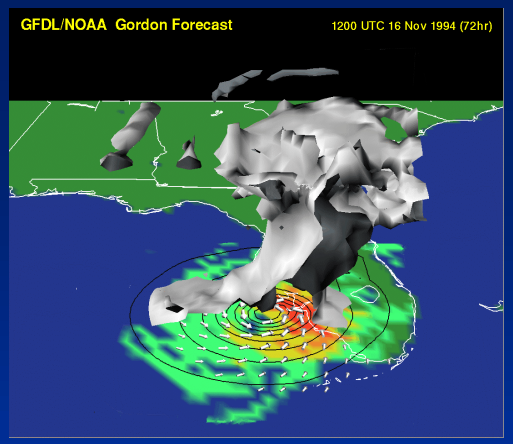
NOAA IT R&D Program Overview

Briefing to the

PITAC

William T. Turnbull

February 25, 2000

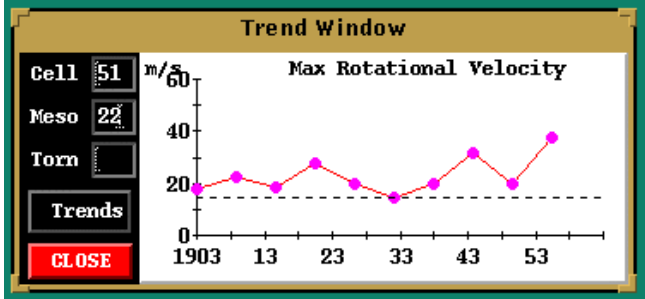
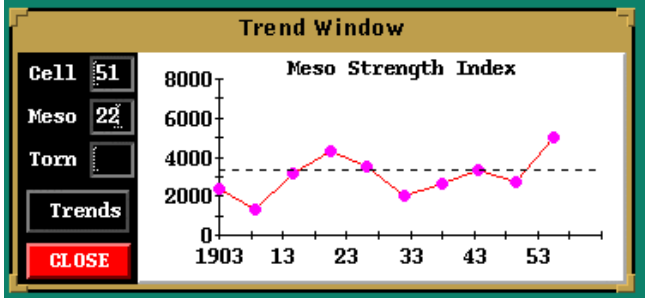
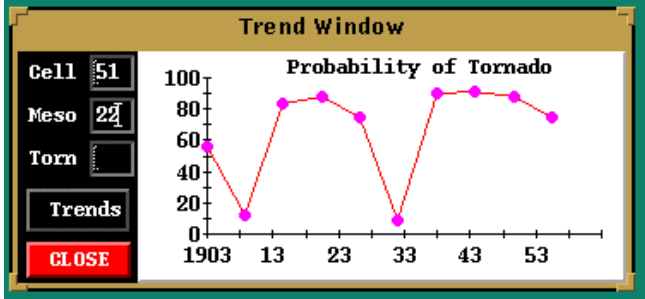
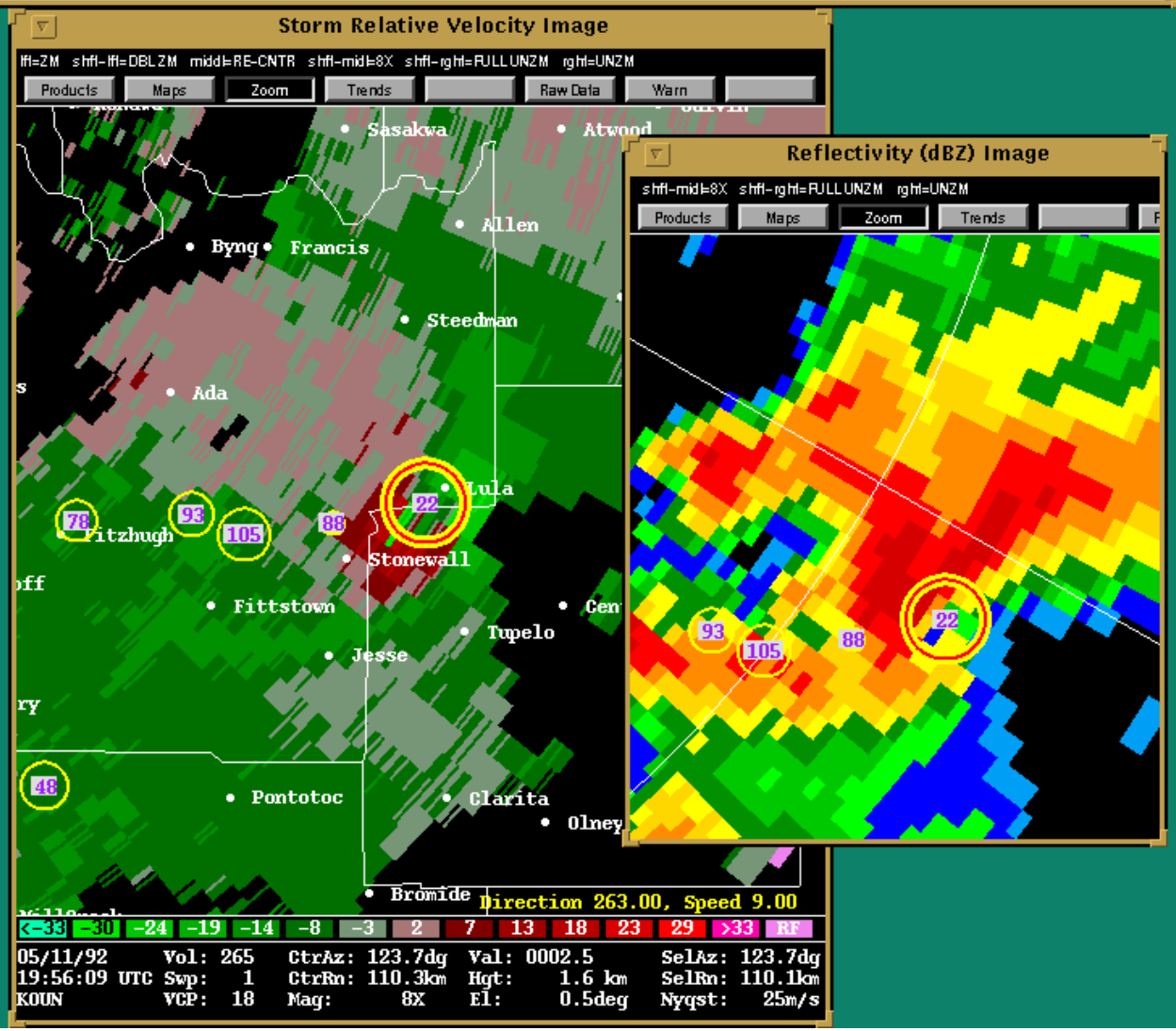


NOAA Budget

PCA	FY1999 Actual	FY2000 Enacted	FY2001 Request
HCI & IM	0.5	0.5	0.5
LSN	2.7	2.7	2.7
HECC R&D	1.5	1.75	1.75
HECC Apps & Infrastructure	7.3	11.4	13.3
SDP		1.4	1.5
HCSS			
SEW & Workforce Dev.			
Total	12.0	17.75	19.75

FY 2001 Foci

- Software - Cache, Components, DM & SMP
- High End Computing and Communication- Develop skills, algorithms, and techniques to fully utilize scalable computing in Geophysical Fluid Dynamics
- Advanced IT for decision support, data mining, crisis response, VR
- Ubiquitous, mobile, high-bandwidth networking

Mesocyclone Algorithm Output for Volume 265

MESOID	AZ	RAN	CELLID	CIRC	RANK	MSI	BASE	DEPTH	LL DIA	LLROTV	MXROTV	MX SHR	MX GTG	DIR	SPEED	POT	POSW
22	124	110	7	MESO	7	5059	2	6	6	21	38	38	73	263	9	75	85
74	98	128	8	TORNES	6	3583	3	4	4	16	20	8	27	240	12	40	64
87	96	119	8	MESO	6	3108	4	4	2	7	22	9	24	221	16	38	91
99	174	141	35	WKCPLT	3	2039	2	5	2	12	12	10	23			19	34
100	99	102	1	WKCPLT	3	2335	1	4	5	12	14	5	26			19	29