NOAA Improving Forecasts and Warnings B-Roll - Release date: 9/11/98

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1:01:12
1:01:17
1:01:22
	WSR 88D Doppler Radar Towers
	      a) Time Lapse of Tower
	      b) Rotating dish inside globe

1:01:30	Exterior Views of a Modern National Weather Service Forecast Office

1:02:19	3D Animation of modernized NWS technologies
	providing a blanket of protection to the Nation
	    (GOES Satellites, WSR 88-D Doppler Radars, Automated
	    Surface Observing Systems, Modernized Field Offices)

1:02:23	Automated Surface Observing Systems Instruments providing minute-by-minute data around the clock
1:02:56	Meteorologists using the Advanced Weather Interactive Processing Systems (AWIPS) workstations

1:03:46
1:04:00
1:04:14
1:04:25
 	
1:04:36
	GOES(Geostationary Orbiting Satellite) Imagery:
	      a) Model of GOES Satellite
	      b) Zoom in to cloud cover over Midwest
	      c) Evaporation and generation of clouds over Florida
	      d) Weather Systems over USA-
	         dissolve to color enhancement
	      e) Storm system generation

1:04:40	Hurricane Hugo
1:04:51	Hurricane Andrew (from previous GOES)
1:05:07 1:05:22	GOES-9 Hurricane Luis Hurricane Luis Gravity Waves
1:05:33	Hurricane Opal
1:05:49	Jerrold Texas Tornadoes- GOES 8- May, 1997

1:06:59	WSR 88D Time Lapse Loops:
	    Cold front passes Melbourne, FL
	    1. Relativity
	    2. Velocity

1:07:34	Doppler Radar Imagery

1:07:54	3D Storm and Hurricane Simulations:
1:07:58	a) Fly into the eye of a hurricane
1:08:06	b)3D Simulated Hurricane Andrew Flyover
	courtesy of Fritz Hasler, NASA-Goddard Space Flight Center
1:08:48	c) Hurricane Emily Simulation
1:09:04	d) Storm generation desktop simulation
1:09:07	e) Fly to center of Andrew
1:09:13	f) Hurricane Dynamics
	courtesy of the American Institute of Physics
1:09:34	Meteorologists using a WSR 88D workstation to view Radar Imagery
1:09:39	Interior Views of modern National Weather Service forecast office
1:10:58	NOAA Weather Radio Broadcast
1:11:16	NOAA Weather Radio broadcast utilizing Specific Area Message Encoding (SAME)
1:11:35	Weather Balloon Release
1:12:11	NOAA P-3 Hurricane Research Aircraft
1:13:05	P-3 Aircraft into the Eye of Hurricane Edouard 8/25/97 - 8/29/97
1:13:58	Gulfstream IV Hurricane Research Jet
1:14:54	Vortex Experiment: National Severe Storms Laboratory
1:15:32	Selected Tornadoes
1:16:10	Subvortex Experiment : Portable Doppler Units
1:17:40	Launch of Atlas GOES-K Satellite
1:18:05	Massively Parallel Processor
1:18:05	Cray C90 Supercomputer
1:19:37	Meteorologists at the National Centers for Environmental Prediction (NCEP)- Camp Springs, Md.
1:20:53	Wallops Command and Data Acquisition Center (Facility that sends and receives satellite commands and data)
1:21:17	Data Buoys
1:21:58	Microburst on Radar Screen
1:22:08	Microburst Simulation in Laboratory
1:22:23	Severe Weather Clips
1:23:55	Weather Archives (old footage of weathercasters and forecasting)
	NOAA Seal