For copies: call Video Transfer Inc., 301-881-0270. For content information: contact broll@noaa.gov	NOAA Improving Forecasts and Warnings B-Roll - Release date: 9/11/98		
1:01:17	For copies: call Video Transfer Inc., 301-881-0270. For content information: contact broll@noaa.gov		
1:01:22	1:01:12	WSR 88D Doppler Radar Towers	
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 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 1:04:36 Hurricane Hugo 1:04:51 Hurricane Andrew (from previous GOES) 1:05:07 GOES-9 Hurricane Luis Hurricane Luis Gravity Waves 1:05:33 Hurricane Opal 1:05:49 Jerrold Texas Tornadoes- GOES 8- May, 1997 WSR 88D Time Lapse Loops: Cold front passes Melbourne, FL 1. Relativity 2. Velocity		, 1	
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1:07:34 Doppler Radar Imagery		2. Velocity	
1	1:07:34	Doppler Radar Imagery	

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

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	
1:11:35	NOAA Weather Radio broadcast utilizing Specific Area Message Encoding (SAME) Weather Balloon Release
-	NOAA P-3 Hurricane Research Aircraft
1:12:11	
1:13:05	P-3 Aircraft into the Eye of Hurricane Edouard 8/25/97 - 8/29/97
	0/23/97 - 0/29/97
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
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