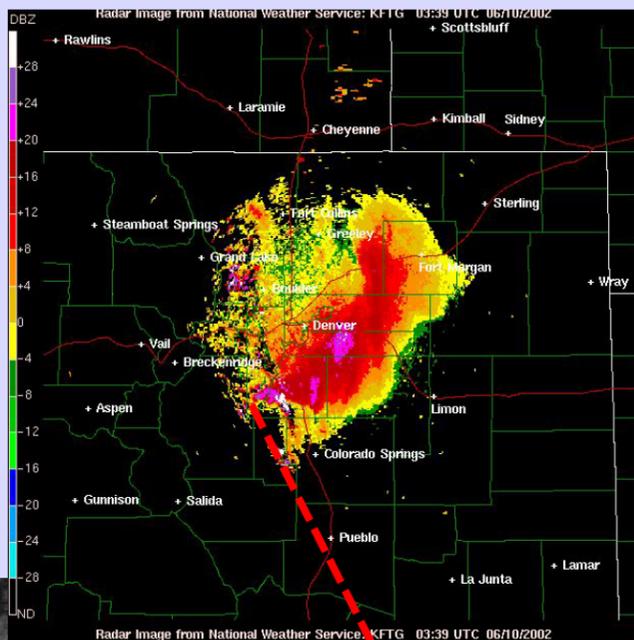




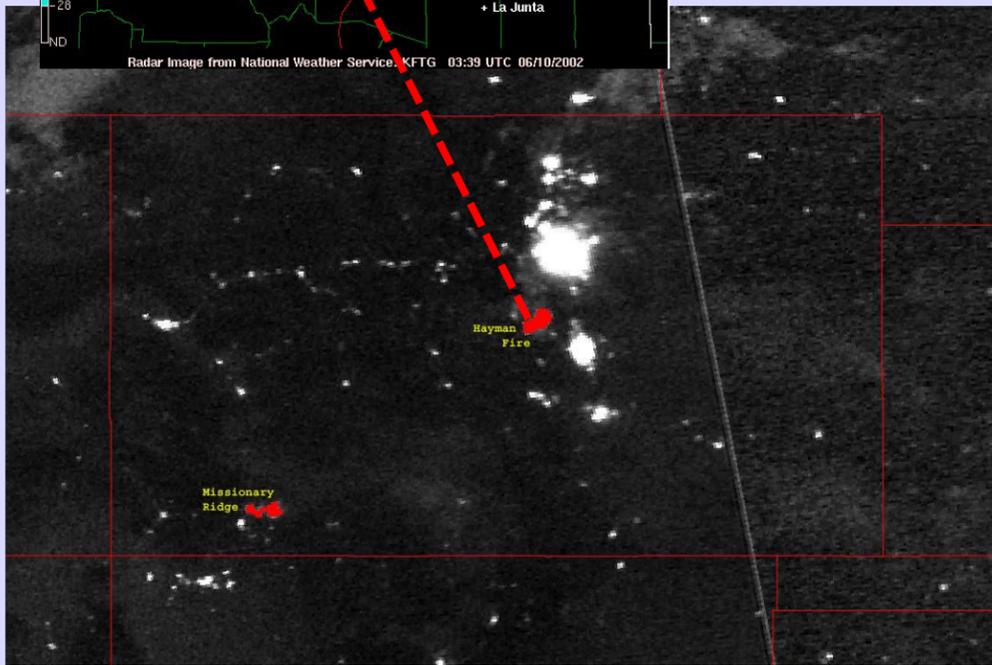
United States Department of Commerce, National Oceanic and Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

**National Geophysical Data Center (NGDC)**

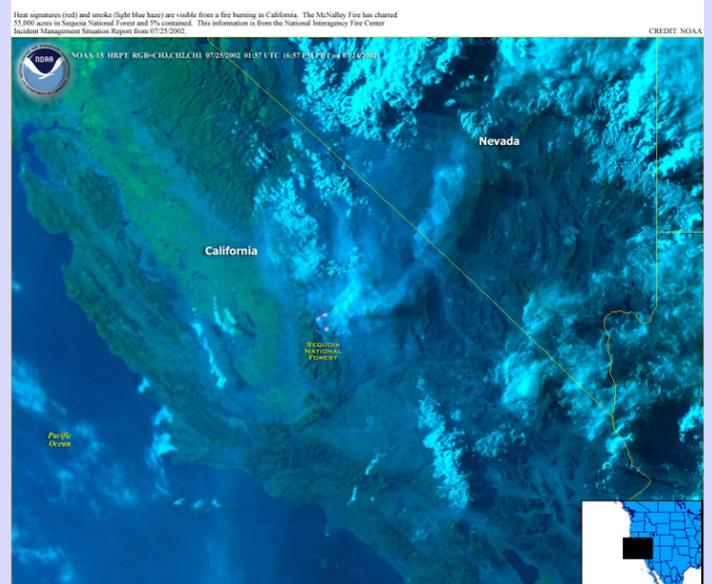
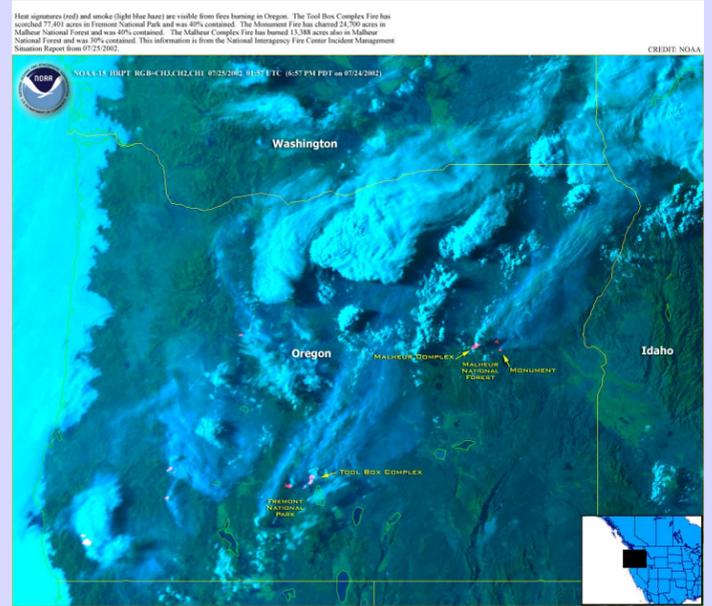
# THE LONG, HOT SUMMER



Resources of NOAA and NESDIS provide NGDC with a variety of imagery for analysis of current events that impact our day-to-day activities. This summer's wild fire season has been recorded by NOAA GOES and Air Force DMSP satellites, as well as NOAA radar. The images shown here depict smoke plumes as well as the heat signatures of fires. In the radar image (left), fly ash and smoke from the June, 2002, Hayman Fire in Park and Jefferson Counties, Colorado, register strongly on the NOAA radar. At NGDC's site in Boulder, haze from this plume obscured nearby mountains for days. To the right are GOES images of smoke plumes from Oregon and California in late July, 2002.



NOAA radar image (upper) shows a wildfire smoke plume that rained ash and soot on Denver. The DMSP infrared satellite image of Colorado (lower) shows city lights, including Pueblo, Colorado Springs, Denver, Boulder, and north to Cheyenne, Wyoming. The Hayman fire SSW of Denver is highlighted in red, as is the Missionary Ridge fire near Durango in SW Colorado. (Radar- <http://www.crh.noaa.gov/radar/>) (DMSP- <http://dmsp.ngdc.noaa.gov/dmsp.html>)



NOAA-GOES visible-light satellite images, enhanced with infrared highlights, show fires on the far western USA. While the fires are small relative to the whole images, their smoke plumes spread across whole states. (Images - <http://www.osei.noaa.gov/>)

August 2002

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		<b>July</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31			<b>September</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		

S M T W T F S

Underlying scientific data viewable at: <http://www.ngdc.noaa.gov/ngdc.html>