

[Refer to the NOAA FY 2004 Technical Budget, under Operations, Research and Facilities (ORF) - OAR.]

Climate Research \$13,400,000 Increase
[Errata Revision - note highlighted change to theme title]

Climate Research	Base	Increase	Total
<i>Climate Change Research Initiative (CCRI)</i>	\$18.0 million	<i>\$13.4 million</i>	\$31.4 million
Other Programs - including Decreases & Terminations	\$153.4 million	0	\$153.4 million
Total - Climate Research	\$171.4 million	\$13.4 million	\$184.8 million

- **Climate Research: Climate Change Research Initiative (CCRI) - requested increase of \$13,400,000:** *[Combined with \$24,700,000 in base funding and \$3,500,000 in the PAC Account, the total for the CCRI is \$41,600,000.]* A Presidential Initiative, the CCRI promotes a vision focused on the effective use of scientific knowledge in policy and management decisions, and continual evaluation of management strategies and choices. The specific proposed actions, which are discussed in detail in NOAA's FY 2004 Technical Budget, have a dual aim: (1) to reduce the present uncertainties in climate science and advance climate modeling capabilities, and (2) to develop research and data products that will facilitate the use of scientific knowledge to support policy and management decisions. Components of the proposed increase include:
 - \$6,300,000 to build and sustain a global ocean observing system that will accurately document climate-scale changes in ocean heat, carbon, and sea level.
 - \$5,000,000 to implement a carbon cycle atmospheric observing system with concentration on North America to begin definition of carbon dioxide sources and sinks in and around the U.S. in order to gauge the effectiveness of future carbon emission and sequestration strategies.
 - \$1,000,000 to support research that will yield improved decision-support tools associated with a key element of climate-change scenarios. Namely, this research will focus on a better understanding of the absorption and scattering of radiation by aerosols (fine airborne particles) and the associated heating and cooling roles in the climate system.
 - \$1,100,000 to support initiation of an interagency Climate Change Science Program Office (CCSPO) to support our Nation's interagency climate and global change program. The Department of Commerce, as lead agency for the Administration's Climate Change Research Initiative (CCRI), will establish this Program Office with a broad capability in physical and social sciences to ensure that the benefits of scientific research are applied to climate change policy issues and decision support.