PARSEC is a research and education center of the University of North Carolina at Asheville.

MISSION: To provide students and faculty with access to state-of-the-art instrumentation in a setting that serves as a conduit for education and research opportunities.

DIRECTOR: Chuck Bennett, Physics Department, UNC-Asheville

PARSEC promotes use of PARI facilities throughout the University of North Carolina System.
Tools for Education and Research

PARSEC research-grade 0.4-meter optical telescope.

Operated by PARI.

Available to researchers and educators anywhere.

Can be operated remotely or on-site.

4.6-meter PARI radiotelescope - "Smiley"

Maps galactic hydrogen 21-cm line.

Remotely operated over Internet.

Programmed by Prof. J. Daugherty, UNCA Computer Science Dept.

PARI administers program and trains science teachers.
Dedicated Interferometer for Rapid Variability (DIRV)

Correlator Processing Rate = 12 Gigabytes/second
PARSEC Summer Internship Program

Summers 2006, 2007, 2008 ...
Support from NASA, NSF, NC Space Grant
Hands-on approach
Participation in current research
Interactions with high school students
DIRV -- A PARSEC/PARI PARTNERSHIP

UNCA - Brian Dennison, Chuck Bennett, Joe Daugherty

PARI - Michael Castelaz, Ben Goldsmith, John Halsey, Lamar Owen, Don Cline

UNC-Pembroke - Jose D'Arruda

Furman University - David Moffett

UC-Berkeley - Dan Werthimer, Andrew Siemion

PARSEC Interns from UNCA, UNCP, Furman with majors in Physics, Math, and Engineering

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