



Linux Systems updated September 24, 2003

For the latest version see

<http://www.cstars.ucdavis.edu/labresources>

Currently the following PCs support Linux.

virgo.cstars.ucdavis.edu disk/software server
ceres.cstars.ucdavis.edu 4 cpu 2GB ram server

Remote Sensing Applications	Program
ENVI	envi enviman envi_tut envi_help
IDL	idlde idlman idlhelp idldemo
Flaash (atmospheric correction)	via envi
SAMS (Spectral Analysis and Management System)	sams
Matlab	matlab
prospect - leaf-level model for broad leaves	
liberty - leaf-level model for broad needles	
sailh - canopy model for crops and closed canopies	
inv_prospect - inversion of leaf-level model	
inv_liberty - inversion of leaf-level model for needles	
prospect_sailh - linked leaf-canopy model	
geosail - canopy reflectance model	
interpolate - specialized interp function	
intersect_abscissas - specialized interp function	

Office Tools	command
MSWord, RTF reader	abiword
XI97 spreadsheet	gnumeric

Utilities	command
cdr image creation	mkimage
cdr burner	cdr
user and project quota check	chkquota
gui editor	gedit, gnp
pico-like editor	nano

mime tools	mpack
spool text to printer	enscript
powerful file manager	gmc
system monitor	gkrellm
nice xterm	eterm

Network	command
Secure shell	ssh
Secure copy	scp
nice gui ftp client	gftp
powerful ftp client	lftp
url-based file retriever	wget
AOL AIM client	tik

Image Processing	command
GNU image processing	gimp
Image viewer	xv
powerful ftp client	lftp

Conversion utilities	command
jpeg to postscript	jpeg2ps
Mac to Unix file converter	mcvert
text to postscript	a2ps
convert text between unix and dos	flip

Viewers	command
Plays multimedia	tkxanim
Acrobat reader	acroread
PDF viewer	xpdf
Postscript/PDF viewer	gv

Compilers	command
GNU c++ compiler	g++
GNU c compiler	gcc
GNU debugger	gdb
GNU Fortran compiler	g77
Semantic checker for fortran	ftnchek
Java development	java

Local resource list	command
mounting cdrom	mount /cdrom
mounting cdrw	mount /cdrw

mounting zip disk	mount /floppy
mounting zip disk	mount /zip
un-mounting {media}	umount {media}

General CSTARS resource notes

ceres.cstars.ucdavis.edu is the lab Linux server (4 Pentium Xeon processors and 2GB of ram). Envi and matlab are available for use. Ask the sysadmin for access.

There are system-wide scratch areas that are accessible from all systems and pc's. It is located in /proj/scratch and denoted by system name (e.g., scratch_ceres). For best i/o performance, run your application on the system serving the scratch disk. For example, if your temporary files are in scratch_ceres remotely login to virgo and run your applications from there. **Remember that the scratch areas are not backed up. Copy any important files to the relevant project area or your home directory.**

These are unix/Linux print commands:

lpr HP LaserJet 2200

For more comprehensive information see the [CSTARS Computing Resource and Policy Guide](#).