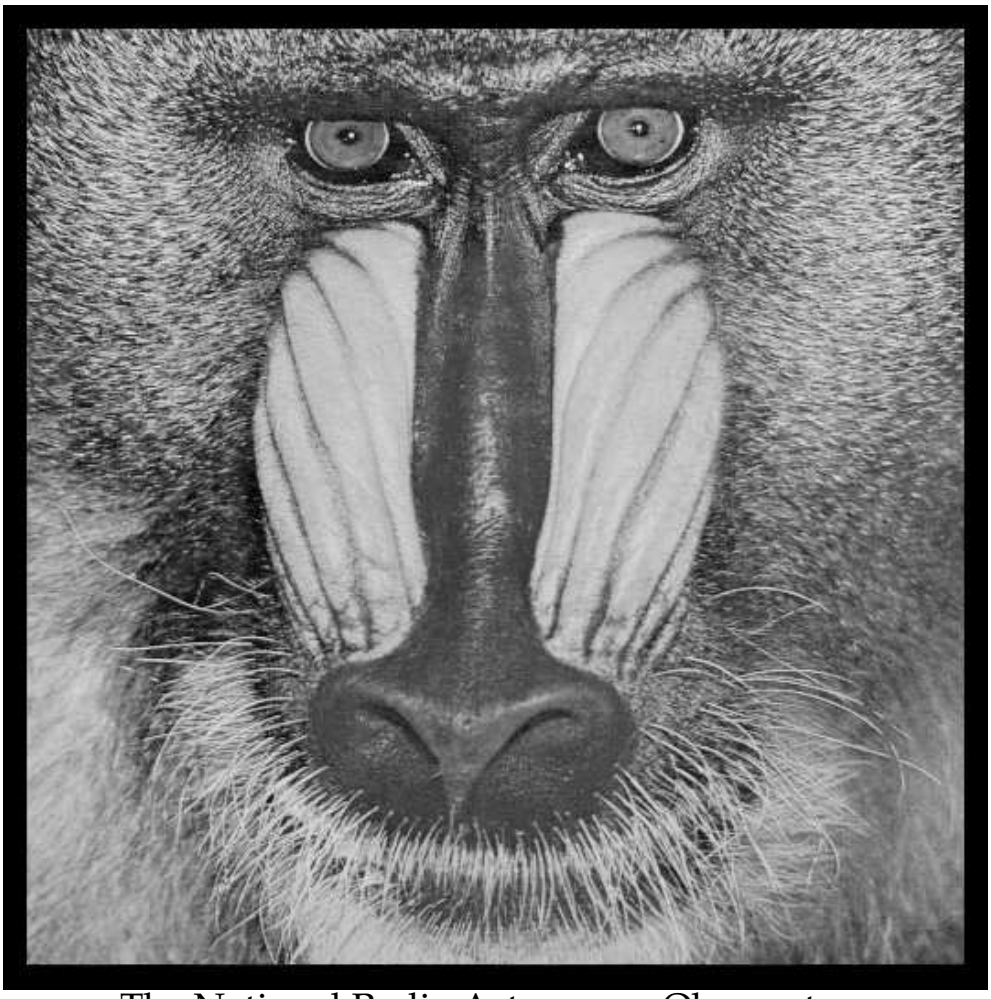
AIPS COOKBOOK

31-December-2026 and earlier



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The image on the title page was converted from the *AIPS* television-like display to Encapsulated PostScript by the *AIPS* task `TVCPS`. It was then included in this TEX document and plotted on a Hewlett Packard PostScript printer. It is the green portion of the digitized image of a Mandrill which has become a standard in the image-processing field. PostScript is a registered trademark of Adobe Systems Incorporated.

The plot in Chapter 4 was generated with `TVCPS` in a similar manner. The plots at the ends of Chapters 6, 7, 8, and 9 were generated by various *AIPS* plotting tasks with task `LWPLA` used to convert the device-independent plot files into PostScript. The data displayed in Chapters 6 and 7 were provided by Bill Cotton for use with the *AIPS* `VLAC` test suite and by Alan Bridle for use with the *AIPS* `DDT` test suite, while the data in Chapter 8 were provided by Don Wells for use in testing spectral-line software. The color plots in Chapter 6 are of data provided by Greg Taylor and by Eric Greisen, Kristine Spekkens, and Gustaaf van Moorsel. The editors thank these people for providing their data for our use.

This *CookBook* itself is based on an early users guide written by Alan Bridle. In 1983, it was typeset and edited by Eric Greisen using the TEX program, initially developed by Donald E. Knuth (*The TEXbook*, 1984, Addison-Wesley Publishing Company, Reading, Massachusetts). There were two editions of the *CookBook* in 1983, one in 1985, and one in 1986. The 1990 edition edition was edited by Bill Junor. For recent editions, Eric Greisen has resumed his rôle as editor, while numerous individuals have contributed to the text. In particular, Glen Langston, Andrea Cox, Lorant Sjouwerman, and Minnie Mao have submitted outline guides to VLA continuum, spectral-line, high-frequency, and low frequency data reduction which appear as Appendices A. B, D, and L, respectively. The output of TEX is now converted to PostScript by `dvips` (from Radical Eye Software). The editors are grateful to Knuth for this program and, especially, for his decision to place it in the public domain.

This *CookBook* is now available on the Internet via the World-Wide Web. The current Table of Contents together with a revision history for the full `31DEC25` *CookBook* is available at

`https://www.aips.nrao.edu/cook.html`.

You should review this Web page occasionally to see if chapters important to you have been altered and, if so, why. You may use your favorite Web browser to click on any chapter you wish to receive and the PostScript version will (eventually) appear on your workstation. Cross-linked html and pdf versions of the full *CookBook* are available from this web page as well. The html version is not shipped with *AIPS*, but the pdf version is shipped to all *AIPS* installations.

Contents

1 Introduction 1 – 1

1.1 The NRAO *AIPS* Project — A Summary . . . 1 – 1

1.2 The *CookBook* . . . 1 – 3

1.3 Organization of the *CookBook* . . . 1 – 4

1.3.1 Contents . . . 1 – 4

1.3.2 Minimum match . . . 1 – 5

1.3.3 Fonts and what they signify . . . 1 – 5

1.4 General structure of *AIPS* . . . 1 – 5

2 Starting Up *AIPS* 2 – 1

2.1 Obtaining access to an *AIPS* computer . . . 2 – 1

2.2 Using the workstation . . . 2 – 1

2.2.1 Logging in to the workstation . . . 2 – 1

2.2.2 Control characters on the workstation . . . 2 – 2

2.2.3 Starting the `AIPS` program . . . 2 – 3

2.2.4 Typing commands to the `AIPS` program . . . 2 – 10

2.3 Managing windows . . . 2 – 11

2.3.1 General window management . . . 2 – 11

2.3.2 Managing the *AIPS* TV window called XAS . . . 2 – 12

2.4 Additional recipes . . . 2 – 12

3 Basic *AIPS* Utilities 3 – 1

3.1 Talking to *AIPS* . . . 3 – 1

3.1.1 *POPS* and *AIPS* utilities . . . 3 – 1

3.1.2 Tasks . . . 3 – 1

3.1.3 Verbs . . . 3 – 2

3.1.4 Adverbs . . . 3 – 3

3.2 Your *AIPS* message file . . . 3 – 4

3.3 Your *AIPS* data catalog files . . . 3 – 5

3.3.1 Speedy data file selection . . . 3 – 6

3.3.2 Catalog entry status . . . 3 – 6

3.3.3 Renaming data files . . . 3 – 6

3.3.4 Header listings . . . 3 – 7

3.4 Your AIPS history files . . . 3 – 8
3.5 Saving and restoring inputs . . . 3 – 9
3.6 Monitoring disk space . . . 3 – 11
3.7 Moving and compressing files . . . 3 – 12
3.8 Finding helpful information in AIPS . . . 3 – 12
3.9 Magnetic tapes . . . 3 – 15
3.9.1 Hardware tape mount . . . 3 – 15
3.9.2 Software mounting local tapes . . . 3 – 16
3.9.3 Software mounting REMOTE tapes . . . 3 – 16
3.9.4 Using tapes in AIPS . . . 3 – 16
3.10 AIPS external disk files . . . 3 – 17
3.10.1 Disk text files . . . 3 – 17
3.10.2 RUN files . . . 3 – 18
3.10.3 FITS-disk files . . . 3 – 19
3.10.4 Other binary data disk files . . . 3 – 20
3.11 The array processor . . . 3 – 21
3.12 Additional recipes . . . 3 – 21

4 Calibrating Interferometer Data 4 – 1
4.1 Copying data into AIPS multi-source disk files . . . 4 – 2
4.1.1 Reading EVLA archive files into AIPS . . . 4 – 3
4.1.2 Reading data from FITS files with FITLD . . . 4 – 5
4.2 Record keeping and data management . . . 4 – 6
4.2.1 Calibrating data with multiple FQ entries . . . 4 – 6
4.2.2 Recommended record keeping . . . 4 – 6
4.3 Beginning the calibration . . . 4 – 7
4.3.1 Baseline corrections . . . 4 – 8
4.3.2 Correcting EVLA 3-bit data . . . 4 – 10
4.3.3 Check your data with POSSM . . . 4 – 10
4.3.4 Remove spectral ringing with SPLAT . . . 4 – 11
4.3.5 General considerations in flagging . . . 4 – 11
4.3.6 Correcting delay errors with FRING . . . 4 – 14
4.3.7 Primary flux density calibrators . . . 4 – 15
4.3.8 Calibrating the bandpass shape with BPASS . . . 4 – 16
4.3.9 Calibrating the complex antenna gains with VLACALIB . . . 4 – 19
4.3.9.1 Using calibrator models . . . 4 – 19
4.3.9.2 Calibrating complex gains . . . 4 – 20

4.3.9.3 Flux calibration without calibrator models . . . 4 – 21
4.3.10 Bootstrapping secondary flux-density calibrators . . . 4 – 22
4.3.11 Editing visibility data with EDITA . . . 4 – 23
4.3.12 Applying solutions to the calibration table with CLCAL . . . 4 – 24
4.3.13 Flagging RFI with RFLAG . . . 4 – 28
4.3.14 Restart the calibration . . . 4 – 30
4.3.15 Calibration with the SysPower table . . . 4 – 30
4.3.16 Calibrating polarization . . . 4 – 32
4.3.17 Additional calibrations for EVLA data . . . 4 – 36
4.3.18 Making images from multi-source data with IMAGR . . . 4 – 38
4.3.19 Back up your data with FITTP or FITAB . . . 4 – 39
4.3.20 Creating single-source data files with SPLIT . . . 4 – 39
4.4 Concluding remarks, early science . . . 4 – 40
4.5 Additional recipes . . . 4 – 40

5 Making Images from Interferometer Data 5 – 1
5.1 Preparing *uv* data for imaging . . . 5 – 1
5.1.1 Indexing the data — PRTTP . . . 5 – 1
5.1.2 Loading the data — FITLD and UVLOD . . . 5 – 2
5.1.3 Sorting the data — UVSRT . . . 5 – 3
5.1.4 Combining data sets for imaging — DBCON and VBGLU . . . 5 – 3
5.2 Basic image making — IMAGR . . . 5 – 4
5.2.1 Making a simple image . . . 5 – 5
5.2.2 Imaging multiple fields and image coordinates . . . 5 – 6
5.2.3 Data weighting . . . 5 – 8
5.2.4 Cell and image size, shifting . . . 5 – 9
5.2.5 Zero-spacing issues . . . 5 – 11
5.3 Deconvolving images . . . 5 – 11
5.3.1 Basic Cleaning with IMAGR . . . 5 – 12
5.3.2 Multiple fields in IMAGR . . . 5 – 14
5.3.3 Clean boxes and the TV in IMAGR . . . 5 – 16
5.3.4 Experimental variations on Clean in IMAGR . . . 5 – 19
5.3.4.1 Clean-component filtering . . . 5 – 19
5.3.4.2 SDI modification of Clean in IMAGR . . . 5 – 20
5.3.4.3 Multi-scale modification of Clean in IMAGR . . . 5 – 20
5.3.4.4 Spectral-index corrections . . . 5 – 21
5.3.5 Data correction options in IMAGR . . . 5 – 21

5.3.5.1 Frequency-dependent primary-beam corrections . . . 5 – 21
5.3.5.2 Frequency-dependent correction for average spectral index . . . 5 – 21
5.3.5.3 Error in the assumed central frequency . . . 5 – 22
5.3.5.4 Array mis-orientation effects . . . 5 – 22
5.3.5.5 Non-coplanar effects . . . 5 – 22
5.3.5.6 Units mismatch of residuals and Clean components . . . 5 – 22
5.3.6 Manipulating Clean components . . . 5 – 23
5.3.7 Image-plane deconvolution methods . . . 5 – 24
5.4 Self-calibration . . . 5 – 26
5.4.1 Self-calibration sequence and SCMAP or SCIMG . . . 5 – 26
5.4.2 Self-calibration with CALIB . . . 5 – 28
5.4.3 Considerations in setting CALIB inputs . . . 5 – 30
5.4.4 Evaluating the quality of the imaging . . . 5 – 32
5.4.5 Experimental extension of multi-field self-calibration . . . 5 – 32
5.5 More editing of *uv* data . . . 5 – 32
5.5.1 General remarks on, and tools for, editing . . . 5 – 32
5.5.2 Baseline-based *uv*-data editing — EDITR . . . 5 – 34
5.6 Imaging with OBIT, Complex imaging . . . 5 – 40
5.7 Additional recipes . . . 5 – 40

6 Displaying Your Data 6 – 1
6.1 Getting data into your AIPS catalog . . . 6 – 1
6.1.1 IMLOD and FITLD from FITS-disk . . . 6 – 1
6.1.2 Image coordinates . . . 6 – 2
6.2 Printer displays of your data . . . 6 – 3
6.2.1 Printing your visibility data . . . 6 – 3
6.2.2 Printing your image data . . . 6 – 4
6.2.3 Printing your table data . . . 6 – 4
6.2.4 Printing miscellaneous information . . . 6 – 5
6.3 Plotting your data . . . 6 – 5
6.3.1 Plotting your visibility data . . . 6 – 8
6.3.2 Plotting your image data . . . 6 – 9
6.3.2.1 Contour and grey-scale plots . . . 6 – 9
6.3.2.2 Row tracing plots . . . 6 – 13
6.3.2.3 Miscellaneous image plots . . . 6 – 15
6.3.3 Plotting your table data . . . 6 – 16
6.3.4 Plotting miscellaneous information . . . 6 – 17

6.4 Interactive TV displays of your data . . . 6 – 18
6.4.1 Loading an image to the TV . . . 6 – 18
6.4.2 Manipulating the TV display . . . 6 – 19
6.4.3 Intensity and color transfer functions . . . 6 – 20
6.4.4 Setting parameters with the TV . . . 6 – 21
6.4.5 Reading image values from the TV . . . 6 – 22
6.4.6 Labeling images on the TV . . . 6 – 23
6.4.7 Comparing images on the TV . . . 6 – 24
6.4.8 Slice files and the TV display . . . 6 – 26
6.4.9 Other functions using the TV . . . 6 – 27
6.4.10 Capturing the TV . . . 6 – 28
6.5 Graphics displays of your data . . . 6 – 29
6.5.1 Plotting data and setting values with the graphics display . . . 6 – 29
6.5.2 Slice files and the graphics display . . . 6 – 30
6.5.3 Data analysis with the graphics display . . . 6 – 30
6.6 Examples of color plotting . . . 6 – 30

7 Analyzing Images 7 – 1
7.1 Combining two images (COMB) . . . 7 – 1
7.1.1 Subtracting a continuum image from an image cube . . . 7 – 1
7.1.2 Polarized intensity and position angle images . . . 7 – 1
7.1.3 Other image combination options . . . 7 – 2
7.1.4 Considerations in image combination . . . 7 – 3
7.2 Combining more than two images (CMPLX, SUMIM, SPIXR, STACK) . . . 7 – 3
7.3 Image statistics and flux integration . . . 7 – 4
7.4 Blanking of images . . . 7 – 5
7.5 Fitting of images . . . 7 – 6
7.5.1 Centroid fits (IMCENTER) and parabolic fit to maximum (MAXFIT) . . . 7 – 7
7.5.2 Two-dimensional Gaussian fitting (IMFIT, JMFIT) . . . 7 – 7
7.5.3 Source recognition and fitting (SAD, TVSAD) . . . 7 – 8
7.5.4 Gaussian fits to slices (SLFIT) . . . 7 – 9
7.5.5 Spectral parameter fitting (TVSPC, XGAUS, ZEMAN, AGAUS, ZAMAN, RMFIT, FARS) . . . 7 – 10
7.6 Image analysis . . . 7 – 12
7.6.1 Geometric conversions . . . 7 – 12
7.6.2 Mathematical operations on a single image . . . 7 – 13
7.6.3 Primary beam correction . . . 7 – 15
7.6.4 Changing the resolution of an image . . . 7 – 15

7.6.5 Filtering . . . 7 – 16
7.7 Modeling in the image and uv planes . . . 7 – 17
7.7.1 Analysis in the uv plane . . . 7 – 17
7.8 Additional recipes . . . 7 – 18

8 Spectral-Line Software 8 – 1
8.1 Data preparation and assessment . . . 8 – 1
8.2 Editing and self-calibration . . . 8 – 4
8.3 Continuum subtraction . . . 8 – 5
8.4 Imaging . . . 8 – 6
8.5 Display and manipulation of data cubes . . . 8 – 7
8.5.1 Building and dismantling data cubes . . . 8 – 7
8.5.2 Transposing the cube . . . 8 – 9
8.5.3 Modifying the image header . . . 8 – 9
8.5.4 Displaying the cube . . . 8 – 10
8.6 Analysis . . . 8 – 14
8.7 Additional recipes . . . 8 – 17

9 Reducing VLBI Data in AIPS 9 – 1
9.1 VLBI data calibration recipe . . . 9 – 2
9.2 Pipeline for the VLBA . . . 9 – 5
9.3 Loading, fixing and inspecting data . . . 9 – 7
9.3.1 Loading data from the VLBA correlator . . . 9 – 7
9.3.1.1 Running FITLD . . . 9 – 7
9.3.1.2 Calibration transfer . . . 9 – 11
9.3.1.3 Repairing VLBA data after FITLD . . . 9 – 12
9.3.1.4 Sorting and indexing VLBA correlator data . . . 9 – 12
9.3.1.5 Subarraying VLBA correlator data . . . 9 – 13
9.3.1.6 Indexing VLBA correlator data . . . 9 – 14
9.3.1.7 Concatenating VLBA correlator data . . . 9 – 14
9.3.1.8 Labeling VLBA correlator polarization data . . . 9 – 15
9.3.1.9 Ionospheric corrections . . . 9 – 16
9.3.1.10 Corrections to the Earth Orientation Parameters . . . 9 – 17
9.3.1.11 Preparing the OB table for SVLBI data . . . 9 – 18
9.3.1.12 Loading the time corrections file for SVLBI data . . . 9 – 18
9.4 Tools for data examination . . . 9 – 19
9.4.1 Textual displays . . . 9 – 19

9.4.2 Spectral displays: POSSM . . . 9 – 20
9.4.3 Time displays: VPLOT, CLPLT, and CAPLT . . . 9 – 21
9.4.4 EDITR . . . 9 – 22
9.4.5 SNPLT . . . 9 – 23
9.4.6 COHER . . . 9 – 23
9.4.7 FRPLT . . . 9 – 24
9.5 Calibration strategy . . . 9 – 25
9.5.1 Incremental calibration philosophy . . . 9 – 26
9.5.1.1 Smoothing and applying corrections in SN and CL tables . . . 9 – 26
9.5.1.2 Running CLCAL for phase referencing observations . . . 9 – 28
9.5.2 Processing observing log and calibration information . . . 9 – 29
9.5.2.1 Automatic formatting of VLBA and VLBA-like log files . . . 9 – 29
9.5.2.2 Manual formatting of log files . . . 9 – 30
9.5.2.3 Loading calibration log information . . . 9 – 30
9.5.2.4 Generating VLA amplitude calibration with VLAMP . . . 9 – 31
9.5.3 Data editing . . . 9 – 32
9.5.4 Amplitude and instrumental delay calibration . . . 9 – 33
9.5.4.1 Parallactic angle correction . . . 9 – 33
9.5.4.2 Digital sampler bias corrections for VLBA correlator data . . . 9 – 34
9.5.4.3 Instrumental phase corrections . . . 9 – 35
9.5.4.4 "Manual" instrumental phase corrections . . . 9 – 36
9.5.4.5 Bandpass calibration . . . 9 – 38
9.5.4.6 Continuum amplitude calibration . . . 9 – 40
9.5.5 Spectral-line Doppler correction . . . 9 – 41
9.5.6 Spectral-line amplitude calibration . . . 9 – 42
9.5.7 Phase calibration . . . 9 – 44
9.5.7.1 Special considerations: SVLBI . . . 9 – 44
9.5.7.2 Special considerations: spectral-line . . . 9 – 45
9.5.7.3 Special considerations: polarization . . . 9 – 45
9.5.7.4 Special considerations: phase-referencing . . . 9 – 46
9.5.7.5 Correcting for atmospheric delays . . . 9 – 46
9.5.7.6 Finding multi-band delays . . . 9 – 47
9.5.7.7 Antenna-based fringe-fitting . . . 9 – 48
9.5.7.8 Baseline-based fringe-fitting . . . 9 – 55
9.5.7.9 SVLBI-specific techniques . . . 9 – 57
9.5.7.10 Spectral-line fringe-fitting . . . 9 – 57

9.5.7.11 Polarization-specific fringe-fitting . . . 9 – 59
9.5.7.12 R-L delay calibration . . . 9 – 60
9.5.7.13 Feed D-term calibration . . . 9 – 61
9.5.8 Complex Bandpass . . . 9 – 62
9.5.9 Baseline-based errors . . . 9 – 63
9.6 After initial calibration . . . 9 – 63
9.6.1 Applying calibration . . . 9 – 63
9.6.2 Time averaging . . . 9 – 64
9.6.3 Verifying calibration . . . 9 – 65
9.7 Self-calibration, imaging, and model-fitting . . . 9 – 67
9.7.1 CALIB . . . 9 – 67
9.7.2 IMAGR, SCIMAG, and SCMAP . . . 9 – 69
9.7.3 Non-conventional methods of imaging . . . 9 – 69
9.8 Summary of VLBI calibration tables . . . 9 – 71
9.9 Additional recipes . . . 9 – 72

10 Single-Dish Data in AIPS 10 – 1
10.1 AIPS format for single-dish data . . . 10 – 1
10.1.1 On-the-fly data from the 12m . . . 10 – 2
10.1.1.1 Listing OTF input files . . . 10 – 2
10.1.1.2 Reading spectral-line OTF files into AIPS . . . 10 – 3
10.1.1.3 Reading continuum OTF files into AIPS . . . 10 – 4
10.1.2 Other input data formats . . . 10 – 4
10.2 Single-dish data in the "uv" domain . . . 10 – 5
10.2.1 Using PRTSD, UVPLT, and POSSM to look at your data . . . 10 – 5
10.2.2 Using UVFLG, SPFLG, and EDITR to edit your data . . . 10 – 7
10.2.3 Using CSCOR and SDCAL to calibrate your data . . . 10 – 11
10.2.4 Using SDLSF and SDVEL to correct your spectral-line data . . . 10 – 12
10.2.5 Using SDMOD and BSMOD to model your data . . . 10 – 13
10.3 Imaging single-dish data in AIPS . . . 10 – 14
10.3.1 Normal single-dish imaging . . . 10 – 14
10.3.2 Beam-switched continuum imaging . . . 10 – 16
10.4 Analysis and display of single-dish data . . . 10 – 20
10.4.1 Spectral baseline removal . . . 10 – 20
10.4.2 Using WTSUM and BSAVG to combine images . . . 10 – 21
10.4.3 Spectral moment analysis . . . 10 – 22
10.4.4 Source modeling and fitting . . . 10 – 22

10.4.5 Image displays . . . 10 – 23
10.4.6 Backing up your data . . . 10 – 24
10.5 Combining single-dish and interferometer data . . . 10 – 24
10.6 Additional recipes . . . 10 – 25

11 Exiting from, and Solving Problems in, *AIPS* 11 – 1
11.1 Helping the *AIPS* programmers . . . 11 – 1
11.2 Exiting from *AIPS* . . . 11 – 1
11.2.1 Backups . . . 11 – 2
11.2.2 Deleting your data . . . 11 – 2
11.2.3 Exiting . . . 11 – 3
11.3 Solving problems in using *AIPS* . . . 11 – 3
11.3.1 "Terminal" problems . . . 11 – 3
11.3.2 Disk data problems . . . 11 – 4
11.3.3 Printer problems . . . 11 – 5
11.3.4 Tape problems . . . 11 – 6

12 *AIPS* for the More Sophisticated User 12 – 1
12.1 *AIPS* conventions . . . 12 – 1
12.1.1 `AIPS` shortcuts . . . 12 – 1
12.1.2 Data-file names and formats . . . 12 – 2
12.2 Process control features of *AIPS* . . . 12 – 3
12.2.1 `RUN` files . . . 12 – 3
12.2.2 More about `GO` . . . 12 – 4
12.2.3 Batch jobs . . . 12 – 5
12.3 `AIPS` language . . . 12 – 6
12.3.1 Using *POPS* outside of procedures . . . 12 – 8
12.3.2 Procedures . . . 12 – 9
12.3.3 Writing your own programs with *POPS* . . . 12 – 12
12.3.3.1 Special facilities for use in procedures . . . 12 – 13
12.4 Remote use of *AIPS* . . . 12 – 14
12.4.1 Connections via X-Windows . . . 12 – 14
12.4.2 Connections to a terminal . . . 12 – 15
12.4.3 File transfer connections . . . 12 – 16
12.5 Moving data to a new computer . . . 12 – 17
12.6 Adding your own tasks to *AIPS* . . . 12 – 18
12.6.1 Initial choices to make . . . 12 – 18

12.6.2 Getting started . . . 12 – 19
12.6.3 Initial check of code and procedures . . . 12 – 19
12.6.4 Modifying an *AIPS* task . . . 12 – 20
12.6.5 Modifying an *AIPS* template task. . . . 12 – 21
12.6.6 Further remarks . . . 12 – 22

13 Current *AIPS* Software 13 – 1
13.1 ADVERB . . . 13 – 1
13.2 ANALYSIS . . . 13 – 10
13.3 AP . . . 13 – 13
13.4 ASTROMET . . . 13 – 14
13.5 BATCH . . . 13 – 14
13.6 CALIBRAT . . . 13 – 16
13.7 CATALOG . . . 13 – 22
13.8 COORDINA . . . 13 – 24
13.9 EDITING . . . 13 – 25
13.10 EXT-APPL . . . 13 – 26
13.11 FITS . . . 13 – 27
13.12 GENERAL . . . 13 – 27
13.13 HARDCOPY . . . 13 – 30
13.14 IMAGE-UT . . . 13 – 30
13.15 IMAGE . . . 13 – 31
13.16 IMAGING . . . 13 – 31
13.17 INFORMAT . . . 13 – 35
13.18 INTERACT . . . 13 – 35
13.19 MODELING . . . 13 – 37
13.20 OBSOLETE . . . 13 – 38
13.21 ONED . . . 13 – 39
13.22 OOP . . . 13 – 40
13.23 OPTICAL . . . 13 – 41
13.24 PARAFORM . . . 13 – 41
13.25 PLOT . . . 13 – 41
13.26 POLARIZA . . . 13 – 45
13.27 POPS . . . 13 – 46
13.28 PROCEDUR . . . 13 – 48
13.29 PSEUDOVE . . . 13 – 50
13.30 RUN . . . 13 – 51

13.31 SINGLEDI . . . 13 – 52
13.32 SPECTRAL . . . 13 – 52
13.33 TABLE . . . 13 – 54
13.34 TAPE . . . 13 – 55
13.35 TASK . . . 13 – 56
13.36 TV . . . 13 – 67
13.37 TV-APPL . . . 13 – 70
13.38 UTILITY . . . 13 – 71
13.39 UV . . . 13 – 72
13.40 VERB . . . 13 – 79
13.41 VLA . . . 13 – 84
13.42 VLBI . . . 13 – 85
13.43 Additional recipes . . . 13 – 88

A Easy Continuum UV-Data Calibration and Imaging A – 1
A.1 VLARUN . . . A – 1
A.2 Basic calibration . . . A – 2
A.3 Polarization calibration . . . A – 5
A.4 Backup and imaging . . . A – 5
A.5 Additional recipes . . . A – 6

B A Step-by-Step Guide to Spectral-Line Data Analysis in *AIPS* B – 1
B.1 Editing and calibrating spectral-line data . . . B – 1
B.1.1 Loading the data . . . B – 1
B.1.2 Inspecting and editing the data . . . B – 2
B.1.3 Calibrating the data . . . B – 3
B.2 Making and Cleaning image cubes . . . B – 5
B.3 Moment analysis and rotation curve of galaxies . . . B – 6
B.4 Multi-frequency observations . . . B – 7
B.4.1 General frequency information . . . B – 7
B.4.2 Multi-frequency *uv* files . . . B – 7
B.5 Additional recipes . . . B – 8

C A Step-by-Step Recipe for VLBA Data Calibration in *AIPS* C – 1
C.1 Quick Guide . . . C – 1
C.2 Table Philosophy . . . C – 2
C.3 Data set assumed in this Appendix . . . C – 2
C.4 VLBA Utilities . . . C – 3

C.5 VLBA Pipeline . . . C – 4
C.6 Data Loading and Inspection . . . C – 6
C.7 Amplitude and Delay Calibration . . . C – 7
C.8 Rate and Phase Calibration . . . C – 10
C.9 Final Calibration Steps . . . C – 11
C.10 Incorporating non-VLBA antennas . . . C – 12
C.10.1 Loading $T_{\rm sys}$ and Gain Curves . . . C – 12
C.10.2 Pointing Flags . . . C – 13
C.11 Pre-EVLA VLA data . . . C – 13
C.11.1 Single VLA Antenna . . . C – 13
C.11.2 Phased VLA . . . C – 13
C.12 Summary for non-VLBA antennas . . . C – 14
C.13 Some Useful References . . . C – 15
C.14 Additional recipes . . . C – 15

D Hints for Reducing High-Frequency VLA Data in AIPS D – 1
D.1 Complications at higher frequencies . . . D – 1
D.2 Additional recipes . . . D – 7

O Special Considerations for Data from Older Telescopes in AIPS O – 1
O.1 The Historical VLA . . . O – 1
O.1.1 Reading from VLA archive files using FILLM . . . O – 2
O.1.2 Reading old spectral-line data . . . O – 6
O.1.3 Applying nominal sensitivities to historic VLA data . . . O – 6
O.1.4 Calibrating historic VLA data . . . O – 7
O.1.5 Editing with LISTR and UVFLG . . . O – 7
O.1.6 Editing with TVFLG . . . O – 9
O.1.7 Spectral-line calibration . . . O – 15
O.1.7.1 Spectral-line aspects of SETJY . . . O – 16
O.1.7.2 Editing the spectral data . . . O – 16
O.1.7.3 Calibrating the spectral data . . . O – 17
O.1.8 Solar data calibration for the historic VLA . . . O – 18
O.1.8.1 Reading solar data from the VLA archive . . . O – 18
O.1.8.2 Using SNPLT and LISTR to assess the nominal sensitivities . . . O – 19
O.1.8.3 Using SOLCL to apply the system-temperature correction . . . O – 20
O.2 Old VLBI format data . . . O – 20
O.2.1 Loading data from a MkIII/MkIV correlator . . . O – 20

O.2.1.1 Running `MK3IN` . . . O – 20
O.2.1.2 Sorting MkIII/IV data . . . O – 22
O.2.1.3 Concatenating MkIII/IV data . . . O – 22
O.2.1.4 Labeling correlator polarization data . . . O – 23
O.2.1.5 Merging MkIII/IV data . . . O – 23
O.2.1.6 Correcting MkIII/IV sideband phase offsets . . . O – 24
O.2.1.7 Indexing MkIII/IV data . . . O – 24

L Special Considerations for EVLA P-band Data Processing in *AIPS* L – 1
L.1 P-band calibration and editing in *AIPS* . . . L – 1
L.2 P-band imaging in *AIPS* . . . L – 12
L.3 Additional Recipes . . . L – 14

F File Sizes F – 1
F.1 Visibility (*uv*) data sets . . . F – 1
F.1.1 *uv* database sizes . . . F – 1
F.1.2 Compressed format for *uv* data . . . F – 2
F.2 Image files . . . F – 3
F.3 Extension files . . . F – 3
F.4 Storing data on tape . . . F – 4
F.4.1 DAT and Exabyte tapes . . . F – 5
F.5 Very large data sets . . . F – 6
F.6 Additional recipes . . . F – 6

V VLA Maintenance Tasks in *AIPS* V – 1
V.1 Real-time calibration tables: `TLCAL` . . . V – 1
V.2 Correcting antenna positions: `LOCIT` . . . V – 2
V.3 Improving antenna pointing: `PEEK` . . . V – 5
V.4 Improving antenna surfaces: holography . . . V – 6
V.5 Antenna polarization: `PDPLT` . . . V – 11

Z System-Dependent *AIPS* Tips Z – 1
Z.1 NRAO workstations — general information . . . Z – 1
Z.1.1 The "midnight" jobs . . . Z – 1
Z.1.2 Generating color hard copy . . . Z – 1
Z.1.2.1 Color printers . . . Z – 1
Z.1.2.2 Software to copy your screen . . . Z – 2
Z.1.3 Gripe, gripe, gripe, . . . Z – 3

Z.1.4 Solving problems at the NRAO . . . . . Z – 3
Z.1.4.1 Booting the workstations . . . . . Z – 3
Z.1.4.2 Printout fails to appear . . . . . Z – 3
Z.1.4.3 Stopping excess printout . . . . . Z – 4
Z.1.4.4 `CTRL Z` problems . . . . . Z – 4
Z.1.4.5 "File system is full" message . . . . . Z – 5
Z.1.4.6 I can't use my data disk! . . . . . Z – 5
Z.2 *AIPS* at the NRAO AOC in Socorro . . . . . Z – 5
Z.2.1 Reserving public-use workstations at the AOC . . . . . Z – 5
Z.2.2 Using Linux workstations at the AOC — introduction . . . . . Z – 6
Z.2.3 Starting *AIPS* . . . . . Z – 6
Z.2.3.1 Starting *AIPS* on another machine . . . . . Z – 7
Z.2.3.2 On-line `FILLM` . . . . . Z – 7
Z.3 *AIPS* at the NRAO in Charlottesville and Green Bank . . . . . Z – 7
Z.4 Additional recipes . . . . . Z – 7

G Glossary G – 1

I INDEX I – 1

List of Figures

1.1 Basic *AIPS* flow diagram . . . 1 – 6
4.1 3C48 at X-band . . . 4 – 21
4.2 EDITA display . . . 4 – 25
4.3 RFLAG display . . . 4 – 29
4.4 Example antenna D term spectrum . . . 4 – 35
4.5 Orion hot core at K band . . . 4 – 42
5.1 Affect of ROBUST parameter on beams. . . . 5 – 10
6.1 UVPLT displays . . . 6 – 7
6.2 Contour and grey-scale plots of an image . . . 6 – 12
6.3 GREYS with profiles . . . 6 – 13
6.4 Row plots of an image . . . 6 – 14
6.5 Statistical plots of an image . . . 6 – 15
6.6 Slice and table plots . . . 6 – 16
6.7 OFMPL step wedge display . . . 6 – 21
6.8 KNTR with pseudo-coloring, contours and polarization vectors in bright and dark lines . . . 6 – 31
6.9 KNTR shows true-color image . . . 6 – 32
6.10 PCNTR with polarization position angle shown with color . . . 6 – 33
6.11 PCNTR with contours colored by velocity . . . 6 – 34
6.12 KNTR with contours colored with RGBLEVS . . . 6 – 35
6.13 SNPLT with IFs/polarizations colored . . . 6 – 36
7.1 Geometric and other functions on an image. . . . 7 – 14
8.1 KNTR contours of spectral channels . . . 8 – 11
8.2 TVCUBE display of transposed cube. . . . 8 – 12
8.3 PLCUB display of spectra from a cube . . . 8 – 13
8.4 Images of line-cube moments. . . . 8 – 14
9.1 POSSM and VPLOT displays of uncalibrated VLBI data . . . 9 – 50
9.2 Spectrum before and after calibration . . . 9 – 54
9.3 An example of a fringe rate image . . . 9 – 70
10.1 UVPLT displays of single-dish data. . . . 10 – 6
10.2 POSSM display of single-dish data. . . . 10 – 7
10.3 SPFLG display. . . . 10 – 10
10.4 Convolving function Fourier transforms. . . . 10 – 16
10.5 Images at various beam throw rotations. . . . 10 – 19
10.6 Images at various beam throw corrections. . . . 10 – 20
A.1 Visibility data before and after calibration . . . A – 4

D.1 `VPLOT` of "bad" phases . . . . . D – 2
D.2 `VPLOT` of "okay" phases . . . . . D – 3
O.1 `TVFLG` display . . . . . O – 12
V.1 Example `LOCIT` plot . . . . . V – 4
V.2 Example holography raster . . . . . V – 7
V.3 Example `HOLOG` images . . . . . V – 9
V.4 Example `PANEL` images . . . . . V – 10
V.5 Example `PBEAM` plots . . . . . V – 11
V.6 Example `PDPLT` plot . . . . . V – 12

List of Recipes

2.4.1 Banana daiquiri . . . . . 2 – 12
3.12.1 Columbian fresh banana cake with sea foam frosting . . . . . 3 – 21
3.12.2 Banana sweet potato puff casserole . . . . . 3 – 22
3.12.3 Banana poundcake . . . . . 3 – 22
3.12.4 Banana July cocktail . . . . . 3 – 22
4.5.1 Chewy banana split dessert . . . . . 4 – 40
4.5.2 Mexican bananas . . . . . 4 – 40
4.5.3 Sopa de Plátano . . . . . 4 – 41
4.5.4 Almond fudge banana cake . . . . . 4 – 41
4.5.5 Delightful banana cheesecake . . . . . 4 – 41
5.7.1 Cranberry banana bread . . . . . 5 – 40
7.8.1 Golden mousse . . . . . 7 – 18
7.8.2 Coriander banana nut bread . . . . . 7 – 18
8.7.1 Hot banana soufflé . . . . . 8 – 17
8.7.2 Banana crunch cake . . . . . 8 – 18
8.7.3 Panecillos de Plátano . . . . . 8 – 18
8.7.4 Banana-Rhubarb Crisp . . . . . 8 – 18
9.9.1 Bananes rôties . . . . . 9 – 72
9.9.2 Banana curried chicken . . . . . 9 – 72
10.6.1 Chicken salad with banana mayonnaise and grapes . . . . . 10 – 25
10.6.2 Curried bananas . . . . . 10 – 25
10.6.3 Hawaiian banana cream pie . . . . . 10 – 26
10.6.4 Banana Dream Pizza . . . . . 10 – 26
13.43.1 Sautéd sole tobago with bananas, pecans and lime . . . . . 13 – 88
13.43.2 Banana Bombay salad . . . . . 13 – 88
13.43.3 Banana relish . . . . . 13 – 88
13.43.4 Banana coffeelate . . . . . 13 – 88
A.5.1 Banana colada . . . . . A – 6
A.5.2 Breaded chicken and bananas . . . . . A – 6
A.5.3 Banana-pineapple bread . . . . . A – 6
B.5.1 Banana breeze pie . . . . . B – 8
B.5.2 Banana cutlets . . . . . B – 8
C.14.1 Orange baked bananas . . . . . C – 15
C.14.2 Mexican chicken vegetable soup with bananas . . . . . C – 16
C.14.3 Orange gingered bananas . . . . . C – 16

C.14.4 Frozen Push-Ups . . . . . C – 16
C.14.5 Banana mallow pie . . . . . C – 16
D.2.1 Chocolate chip banana bread . . . . . D – 7
D.2.2 Banana bran muffins . . . . . D – 8
D.2.3 Banana-pineapple rum bread . . . . . D – 8
D.2.4 Dulce Zacatecaño . . . . . D – 8
D.2.5 Virginia's instant banana pie . . . . . D – 8
L.3.1 Banana storage . . . . . L – 14
F.6.1 Banana stuffing . . . . . F – 6
F.6.2 Banana nut bread . . . . . F – 6
Z.4.1 Going bananas with bananas . . . . . Z – 7
Z.4.2 Banana-chocolate tea bread . . . . . Z – 8
Z.4.3 Banana caramel pie . . . . . Z – 8
Z.4.4 Curried shrimp . . . . . Z – 8