

NOTE 253 – Development Plan for v2.0 (revision)

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1 Purpose

This note provides an update to the development plan for V2.0 as described in

2 Release priorities

The highest priority for the project in development cycle v2.0 is to continue the process of scientific integration. This includes:

1. Scientific completeness: Demonstrated end-to-end reduction capabilities for targeted instruments in all scientifically important observing and reduction modes.
2. Usability by the astronomical community: Quality of the user interface, applications presentation and user documentation.

3. Robustness, correctness and accuracy: Prove the correctness and robustness of existing capabilities and ensure comparable performance to other disk-based packages.
4. Continued deployment to an expanded user base: Continue to increase the scientific user base for AIPS++.

However, in light of losses in resources (manpower) and increasing demand in user support, the target list has been reviewed and updated.

3 Introduction

The Development targets are listed as in Note 251. The development codes have been multiplied by 100 for clarity.

In addition, we plan to have several 'snapshot' releases available throughout the release cycle as stable releases. The targets now have deadlines which reflect the goals of each snapshot release. The targets are presented both by the developer name and by the targeted release date.

Abbr.	Developer	Affiliation
BG	Bob Garwood	NRAO
DMC	Dave McConnell	ATNF
DG	Daniel Goscha	NCSA
DK	David King	NRAO
DM	Dave Mehringer	NCSA
DrS	Darrell Schiebel	NRAO
GvD	Ger van Diepen	ASTRON
GM	George Moellenbrock	NRAO
JB	Jim Braatz	NRAO
JN	Jan Noordam	ASTRON
JM	Joe McMullin	NRAO
KG	Kumar Golap	NRAO
MM	Malte Marquarding	ATNF
MW	Mark Wieringa	ATNF
OS	Oleg Smirnov	ASTRON
PC	Paulo Cortes	NCSA
PT	Peter Teuben	BIMA
RN	Roger Noble	NRAL
RP	Ray Plante	NCSA
SB	Sanjay Bhatnagar	NRAO
SL	Selfa Lucero	NRAO
TC	Tim Cornwell	NRAO
WB	Wim Brouw	ATNF
WY	Wes Young	NRAO

4 Organization Summary

org	name	sum of time
===	====	=====
astron	noordam, jan	80
	smirnov, oleg	80
	vandiepen, ger	288
atnf	brouw, wim	742
	marquarding, malte	1100
	mcconnell, dave	80
	wieringa, mark	428
bima/nrsa	plante, ray	444
jbo	noble, roger	40
nrsa	cortes, paulo	240
	goscha, daniel	1030
	mehring, dave	712
	sarma, anuj	12
	teuben, peter	400
nrao	bhatnagar, sanjay	1050
	braatz, jim	1050
	cornwell, tim	320
	garwood, bob	1050
	golap, kumar	1100
	kemball, athol	378
	king, david	1400
	mcmullin, joe	1400
	moellenbrock, george	1090
	schiebel, darrell	1400
	sessoms, eric	40
	young, wes	1400

5 Name Summary

BHATNAGAR, SANJAY	172	SCIENTIFIC COMP	MULTI-BEAM IMAGING
BHATNAGAR, SANJAY	211.11	USABILITY I	INITIAL SUITE OF IMAGING BENCHMARKS
BHATNAGAR, SANJAY	211.12	USABILITY I	ADD EQUIVALENT AIPS SCRIPTS TO BENCHMARKS
BHATNAGAR, SANJAY	211.21	USABILITY I	G,D AND BJONES CALIBRATION BENCHMARKS
BHATNAGAR, SANJAY	213.3/213.1	USABILITY I	ID ADAPTIVE MEORY USE AREAS/HEURISTICS
BHATNAGAR, SANJAY	213.4/213.3	USABILITY I	IMPLEMENT ADAPTIVE MEMORY USE
BHATNAGAR, SANJAY	214.2	USABILITY I	PROFILE UHFFT AND FFTW
BHATNAGAR, SANJAY	215.2	USABILITY I	IMAGER.SETJY() OPTIMIZATION
BHATNAGAR, SANJAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT
BHATNAGAR, SANJAY	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS
BRAATZ, JIM	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT
BRAATZ, JIM	294	USABILITY I	UNIFY UNIJR/DISH
BRAATZ, JIM	294	USABILITY I	GBT OBSERVERS DOC MAINTENANCE
BRAATZ, JIM	271	USABILITY I	IPS: SUPPORT ABCISSA RANGES
BRAATZ, JIM	111.25	SCIENTIFIC COMP	IARDS:ALL AUXILLIARY CAL DISPLAYS
BRAATZ, JIM	111.24	SCIENTIFIC COMP	IARDS: DISPLAY 1 SPECTRUM/SPW
BRAATZ, JIM	111.22	SCIENTIFIC COMP	IARDS: APPEND TO ONE MS
BRAATZ, JIM	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION
BRAATZ, JIM	111.18	SCIENTIFIC COMP	GBTMSFILLER: TEST HOLOGRAPHY MODE
BRAATZ, JIM	153/152	SCIENTIFIC COMP	BS CALIBRATION REFINEMENTS
BROUW, WIM	131.9	SCIENTIFIC COMP	A PRIORI GEOMETRY CORRECTIONS
BROUW, WIM	184	SCIENTIFIC COMP	SUPPORT IAU PRECESSION AND NUTATION
BROUW, WIM	231.61	USABILITY I	IMAGE RE-GRIDDER OPTIMIZATION
BROUW, WIM	231.62	USABILITY I	COORDINATES CREATOR CLASS
BROUW, WIM	264	USABILITY I	IMPROVE GLISH FITTING INTERFACE
BROUW, WIM	265	USABILITY I	ADD UVW-MACHINE TO MEASURES.G
BROUW, WIM	430	OPERATIONS	DEFECT CORR/USER SUPPORT
CORNWELL, TIM	161/162	SCIENTIFIC COMP	JOINT SD/INT CALIBRATION SCALING
CORNWELL, TIM	162	SCIENTIFIC COMP	FULL JOINT SD/INT DECONVOLUTION
CORNWELL, TIM	163/162	SCIENTIFIC COMP	JOINT SD/INT SIMULATION
CORTES, PAULO	212.3	USABILITY I	PABLO I/O PROFILING
CORTES, PAULO	216.3	USABILITY I	KEY SCIENCE PROCESSING:IA64: M33
CORTES, PAULO	216.4	USABILITY I	KEY SCIENCE PROCESSING:IA64: GC
GARWOOD, BOB	157	SCIENTIFIC COMP	ENHANCE AVER TASK FOR IMPROVED WEIGHT
GARWOOD, BOB	111.11	SCIENTIFIC COMP	GBTMSFILLER: VAN VLECK CORRECTION
GARWOOD, BOB	111.20	SCIENTIFIC COMP	GBTMSFILLER: DOCUMENT
GARWOOD, BOB	670	MANAGEMENT	QAG DEVELOPMENT

GARWOOD, BOB	111.30	SCIENTIFIC COMP	FLAT TABLE->MS CONVERTER
GARWOOD, BOB	111.14	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT WEIGHT SPECTRUM
GARWOOD, BOB	111.15	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT BS DATA
GARWOOD, BOB	111.16	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT MULTI-BEAM DATA
GARWOOD, BOB	291	USABILITY I	SCAN AND PROJECT SELECTION UTILITY
GARWOOD, BOB	292	USABILITY I	DISH ASSAY FUNCTIONS
GARWOOD, BOB	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT
GOLAP, KUMAR	113.3	SCIENTIFIC COMP	MSCONCAT:ACCEPT FREQ/POS TOLERANCE
GOLAP, KUMAR	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS
GOLAP, KUMAR	255	USABILITY I	REPLACE IMAGERTEST WITH IMAGERPOSITION
GOLAP, KUMAR	430	OPERATIONS	DEFECT CORR/USER SUPPORT
GOLAP, KUMAR	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION
GOLAP, KUMAR	620	MANAGEMENT	NRAO SITE MANAGEMENT
GOLAP, KUMAR	119.1	SCIENTIFIC COMP	MSCONCAT: WORKS FOR ALL SUBTABLES
GOLAP, KUMAR	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW
GOSCHA, DANIEL	116.1	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN MS2ARCHIVE
GOSCHA, DANIEL	116.2	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN ARCHIVE2MS
GOSCHA, DANIEL	118.1	SCIENTIFIC COMP	HISTORY PROPAGATION:DESIGN PROPOSAL
GOSCHA, DANIEL	110.11	SCIENTIFIC COMP	TIME-DEP SOURCE MODEL IN MIRFILLER
GOSCHA, DANIEL	430	OPERATIONS	DEFECT CORR/USER SUPPORT
GOSCHA, DANIEL	113.1	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE/FIXED TSM
GOSCHA, DANIEL	113.2	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE SHAPE SW
KEMBALL, ATHOL	131.2	SCIENTIFIC COMP	INTERPOLATION
KEMBALL, ATHOL	131.3	SCIENTIFIC COMP	GJONES INCREMENTAL CALIBRATION
KEMBALL, ATHOL	213.21	USABILITY I	CHANGE PROP FOR SYSTEM.RESOURCES.MEMFA
KEMBALL, ATHOL	261.2	USABILITY I	UNIFY SELECTION INTERFACE ACROSS TOOLS
KEMBALL, ATHOL	111	SCIENTIFIC COMP	IMPLEMENT MS CALIBRATION SETS
KING, DAVID	233.1	USABILITY I	COMPLETE MSASRASTER
KING, DAVID	233.2	USABILITY I	INTERACTIVE EDITING
KING, DAVID	233.3	USABILITY I	COMPLETE MSASXY
KING, DAVID	233.4	USABILITY I	DEPLOY UVDD IN VIEWER AND MSPLOT
KING, DAVID	430	OPERATIONS	DEFECT CORR/USER SUPPORT
LEIGH, ALAN	231.4	USABILITY I	WC ANNOTATION CAPABILITIES
MARQUARDING, MALTE	231.1	USABILITY I	PROFILE VIEWER PERFORMANCE
MARQUARDING, MALTE	231.2	USABILITY I	OPTIMIZE VIEWER PERFORMANCE
MARQUARDING, MALTE	231.3	USABILITY I	BLINKING OF CONFORMANT IMAGES
MARQUARDING, MALTE	231.5	USABILITY I	IMPROVE VIEWER SCRIPTING POSSIBILITIES
MARQUARDING, MALTE	231.63	USABILITY I	GLISH SUPPORT FOR NEW DD
MARQUARDING, MALTE	231.64	USABILITY I	ZOOM OUT IN WORLD COORDINATES
MARQUARDING, MALTE	231.65	USABILITY I	WCHOLDER INTEGRATION

MARQUARDING, MALTE	231.66	USABILITY I	ANIMATOR INTEGRATION
MARQUARDING, MALTE	231.67	USABILITY I	PANELDISELAY INTEGRATION
MARQUARDING, MALTE	231.68	USABILITY I	WORLDAXIS DD'S
MARQUARDING, MALTE	231.69	USABILITY I	PASSIVEDD AND DRAWINGDD INTEGRATION
MARQUARDING, MALTE	231.610	USABILITY I	LATTICE*DD MIGRATION TO CACHING DD
MARQUARDING, MALTE	231.611	USABILITY I	VOLUME RENDERING CLIENT (SWINBURNE)
MARQUARDING, MALTE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MCCONNELL, DAVE	630	MANAGEMENT	ATNF SITE MANAGEMENT
MCMULLIN, JOE	151	SCIENTIFIC COMP	MULTI-IF IMPLEMENTATION DESIGN
MCMULLIN, JOE	152	SCIENTIFIC COMP	MULTI-BEAM IMPLEMENTATION DESIGN
MCMULLIN, JOE	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION
MCMULLIN, JOE	152.4	SCIENTIFIC COMP	MIGRATE GLISH ACCESS UTILITIES
MCMULLIN, JOE	153/152	SCIENTIFIC COMP	BEAM SWITCHED CALIB REFINEMENTS
MCMULLIN, JOE	154	SCIENTIFIC COMP	TOTAL POWER OTF MAPPING
MCMULLIN, JOE	155/151	SCIENTIFIC COMP	MULTI-IF GLISH CALIBRATION
MCMULLIN, JOE	171/152,172	SCIENTIFIC COMP	BEAM-SWITCHED IMAGING
MCMULLIN, JOE	294	USABILITY I	UNIFY UNIJR/DISH
MCMULLIN, JOE	416	OPERATIONS	RELEASE PREP V2.0
MCMULLIN, JOE	422	OPERATIONS	V2.0 NEWSLETTERS
MCMULLIN, JOE	430	OPERATIONS	DEFECT CORRECTIONS/USER SUPPORT
MCMULLIN, JOE	610	MANAGEMENT	GENERAL PROJECT MANAGEMENT
MCMULLIN, JOE	211.31	USABILITY I	SD BENCHMARKS
MCMULLIN, JOE	126	SCIENTIFIC COMP	ADD FLAGGING FUNCTIONS TO DISH
MCMULLIN, JOE	421	OPERATIONS	EXPLORE WORKSHOP FOR AIPS++
MCMULLIN, JOE	158	SCIENTIFIC COMP	SUPPORT NEW GBT OBSERVING MODES
MCMULLIN, JOE	159	SCIENTIFIC COMP	GBTMS AVERAGE/DECIMATE ROUTINES
MCMULLIN, JOE	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW
MEHRINGER, DAVE	110.21	SCIENTIFIC COMP	BIMA-SPECIFIC SUB-TABLE DEFINITION
MEHRINGER, DAVE	110.22	SCIENTIFIC COMP	CONVERT TO CAL TABLE TO APPLY
MEHRINGER, DAVE	110.3	SCIENTIFIC COMP	MS AVERAGING: BIMA STOKES AVERAGING
MEHRINGER, DAVE	211.01	USABILITY I	OPTIMIZATION OF LARGE SPECTRAL LINE MO
MEHRINGER, DAVE	285	USABILITY I	MIGRATE BIMA COOKBOOK TO AIPS++ CB
MEHRINGER, DAVE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MOELLENBROCK, GEORGE	114.1	SCIENTIFIC COMP	DEFINE MS GAIN SUB TABLE FORMAT
MOELLENBROCK, GEORGE	121	SCIENTIFIC COMP	FLAG SCOPE:FLAG BASED ON AVERAGE
MOELLENBROCK, GEORGE	122	SCIENTIFIC COMP	FLAG UNDO CAPABILITY USING FLAG_CATEGOR
MOELLENBROCK, GEORGE	131.1	SCIENTIFIC COMP	SCAN-BASED CALIBRATION
MOELLENBROCK, GEORGE	136.61	SCIENTIFIC COMP	HIGH FREQ CAL I: PA
MOELLENBROCK, GEORGE	131.81	SCIENTIFIC COMP	AUTO REJECT OF SOLUTIONS BELOW SNR LIM
MOELLENBROCK, GEORGE	131.82	SCIENTIFIC COMP	REJECT INTERVALS WITH INSUFFICIENT DAT

MOELLENBROCK, GEORGE	134.2	SCIENTIFIC COMP	AVERAGE CALIBRATION SOLUTIONS
MOELLENBROCK, GEORGE	141	SCIENTIFIC COMP	UV-PLANE CONTINUUM SUBTRACTION
MOELLENBROCK, GEORGE	182	SCIENTIFIC COMP	PACKAGE IMAGE-PLANE CONTINUUM SUB
MOELLENBROCK, GEORGE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MOELLENBROCK, GEORGE	418	OPERATIONS	OPERATIONS LEAD
MOELLENBROCK, GEORGE	131.62	SCIENTIFIC COMP	HIGH FREQ CAL II:GAIN, ANT POS, OPACIT
MOELLENBROCK, GEORGE	120	SCIENTIFIC COMP	MS TOOL IMPROVEMENTS DESIGN
NOORDAM, JAN	650	MANAGEMENT	ASTRON SITE MANAGEMENT
NOBLE, ROGER	660	MANAGEMENT	NRAL SITE MANAGEMENT
PLANTE, RAY	243	USABILITY I	REEDIT OF GETTING STARTED
PLANTE, RAY	253	USABILITY I	COMPLETE ANALYTIC ERRORS IN SIMULATOR
PLANTE, RAY	282	USABILITY I	GAINPOLYFITTER ENHANCEMENT
PLANTE, RAY	283	USABILITY I	PGPLOTMANAGER FOR PIPELINE USE
PLANTE, RAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT
PLANTE, RAY	640	MANAGEMENT	BIMA SITE MANAGEMENT
RUSK, RAYMOND	512	ALMA	PERFORMANCE PROFILING OF ALMA-TI FILLE
RUSK, RAYMOND	513	ALMA	ID AND IMPLEMENT OPTIMIZATION OF ALMAT
RUSK, RAYMOND	514	ALMA	ADD ALMATI2MS TO AIPS++ BENCHMARKS
RUSK, RAYMOND	515	ALMA	PROFILE THE ALMA/IRAM SOLVERS G/BJONES
RUSK, RAYMOND	516	ALMA	ID/IMPLEMENT OPTIMIZATION FOR A/I SOLV
RUSK, RAYMOND	517	ALMA	ADD IRAM/ALMA SOLVERS TO BENCHMARKS
RUSK, RAYMOND	119.2	SCIENTIFIC COMP	INVEST. UVFITS RESTRICTION ON MSCONCAT
RUSK, RAYMOND	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION
SARMA, ANUJ	211.13	USABILITY I	ADD EQUIVALENT MIRIAD SCRIPTS TO BENCH
SCHIEBEL, DARRELL	213.1	USABILITY I	OS/APPINFO MEMORY ACCESS FUNCTION
SCHIEBEL, DARRELL	213.22	USABILITY I	SYSTEM.RESOURCES.MEMORY AIPSRC CHANGE
SCHIEBEL, DARRELL	221.11	USABILITY I	COMPLETE DYNAMIC MODULE LOADING IN GLI
SCHIEBEL, DARRELL	221.21	USABILITY I	COMBOBOX MEGA-WIDGET
SCHIEBEL, DARRELL	221.122	USABILITY I	AUTOGUI PANEL WIDGET
SCHIEBEL, DARRELL	221.13	USABILITY I	TAB WIDGET
SCHIEBEL, DARRELL	221.14	USABILITY I	TECHNICAL EVALUATION FOR GLISH PLANNIN
SCHIEBEL, DARRELL	222.1	USABILITY I	GLISH SSH AUTHENTICATION
SCHIEBEL, DARRELL	222.2	USABILITY I	UNINITIALIZED SET TO <FAIL>,CLI FLAG
SCHIEBEL, DARRELL	222.3	USABILITY I	REFERENCE COUNTING DEFECTS
SCHIEBEL, DARRELL	252	USABILITY I	AIPS++ CACHE MANAGEMENT UTILITIES
SCHIEBEL, DARRELL	430	OPERATIONS	DEFECT CORR/USER SUPPORT
SESSOMS, ERIC	259.1	USABILITY I	COMPLETE FITS*UTIL REVIEW
SMIRNOV, OLEG	430	OPERATIONS	DEFECT CORR/USER SUPPORT
TEUBEN, PETER	183	SCIENTIFIC COMP	ROTATION CURVE VELOCITY FITTER
TEUBEN, PETER	284	USABILTY I	SUPPORT MASKING IN MIRIAD IMAGE

VANDIEPEN, GER	212.21	USABILITY I	COPY OPTIMIZATION IN TSMCUBE
VANDIEPEN, GER	212.22	USABILITY I	LOCAL ENDIAN TABLE SUPPORT
VANDIEPEN, GER	212.24	USABILITY I	SPECIALIZED COMPRESSION REAL-ONLY COLS
VANDIEPEN, GER	212.5	USABILITY I	PARALLEL I/O IMPLEMENTATION
VANDIEPEN, GER	216.5	USABILITY I	MAKE LARGE FILE SUPPORT THE DEFAULT
VANDIEPEN, GER	251	USABILITY I	RECOMMENDATION ON LOCKING POLICIES
VANDIEPEN, GER	430	OPERATIONS	DEFECT CORR/USER SUPPORT
WIERINGA, MARK	114.3/114.1	SCIENTIFIC COMP	MSGAIN ACCESS CLASSES
WIERINGA, MARK	191	SCIENTIFIC COMP	ATCAFILLER:FLAG IF BIRDIE=T
WIERINGA, MARK	192	SCIENTIFIC COMP	ATCAFILLER:SUPPORT DOPPLER SUBTABLE
WIERINGA, MARK	193	SCIENTIFIC COMP	ATCA TEST SCRIPTS
WIERINGA, MARK	219.1	USABILITY I	IMAGING OPT FOR LARGE-POINTING MOSAICS
WIERINGA, MARK	219.2	USABILITY I	ATCAFILLER:SUPPORT OPT COMPRESSION
WIERINGA, MARK	430	OPERATIONS	DEFECT CORR/USER SUPPORT
YOUNG, WES	214.1	USABILITY I	INTEL C++ COMPILER PORT
YOUNG, WES	256	USABILITY I	EXPLORE NSF FILE LOCKING PROBLEM
YOUNG, WES	411	OPERATIONS	BUILD ADMINISTRATION
YOUNG, WES	412	OPERATIONS	COMPLETE GCC 3.* MIGRATION
YOUNG, WES	413	OPERATIONS	LINUX PURIFYPLUS EVALUATION
YOUNG, WES	414	OPERATIONS	AUPDATE DISTRIBUTIONS
YOUNG, WES	415	OPERATIONS	SYSTEM ADMINISTRATORS GUIDE
YOUNG, WES	416	OPERATIONS	RELEASE PREPARATION V2.0
YOUNG, WES	430	OPERATIONS	DEFECT CORR/USER SUPPORT

6 Release Summary

MCMULLIN, JOE	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION
MCMULLIN, JOE	154	SCIENTIFIC COMP	TOTAL POWER OTF MAPPING
MCMULLIN, JOE	294	USABILITY I	UNIFY UNIJR/DISH
GARWOOD, BOB	111.11	SCIENTIFIC COMP	GBTMSFILLER: VAN VLECK CORRECTION
GOLAP, KUMAR	113.3	SCIENTIFIC COMP	MSCONCAT:ACCEPT FREQ/POS TOLERANCE
MOELLENBROCK, GEORGE	114.1	SCIENTIFIC COMP	DEFINE MS GAIN SUB TABLE FORMAT
MOELLENBROCK, GEORGE	131.1	SCIENTIFIC COMP	SCAN-BASED CALIBRATION
MOELLENBROCK, GEORGE	134.2	SCIENTIFIC COMP	AVERAGE CALIBRATION SOLUTIONS
MOELLENBROCK, GEORGE	141	SCIENTIFIC COMP	UV-PLANE CONTINUUM SUBTRACTION
CORNWELL, TIM	163/162	SCIENTIFIC COMP	JOINT SD/INT SIMULATION
WIERINGA, MARK	191	SCIENTIFIC COMP	ATCAFILLER:FLAG IF BIRDIE=T
BHATNAGAR, SANJAY	211.11	USABILITY I	INITIAL SUITE OF IMAGING BENCHMARKS

BHATNAGAR, SANJAY	211.21	USABILITY I	G,D AND BJONES CALIBRATION BENCHMARKS
VANDIEPEN, GER	212.22	USABILITY I	LOCAL ENDIAN TABLE SUPPORT
VANDIEPEN, GER	212.24	USABILITY I	SPECIALIZED COMPRESSION REAL-ONLY COLS
SCHIEBEL, DARRELL	213.1	USABILITY I	OS/APPINFO MEMORY ACCESS FUNCTION
KEMBALL, ATHOL	213.21	USABILITY I	CHANGE PROP FOR SYSTEM.RESOURCES.MEMFA
BHATNAGAR, SANJAY	213.3/213.1	USABILITY I	ID ADAPTIVE MEORY USE AREAS/HEURISTICS
VANDIEPEN, GER	216.5	USABILITY I	MAKE LARGE FILE SUPPORT THE DEFAULT
WIERINGA, MARK	219.2	USABILITY I	ATCAFILLER:SUPPORT OPT COMPRESSION
LEIGH, ALAN	231.4	USABILITY I	WC ANNOTATION CAPABILITIES
GOLAP, KUMAR	255	USABILITY I	REPLACE IMAGERTEST WITH IMAGERPOSITION
SESSOMS, ERIC	259.1	USABILITY I	COMPLETE FITS*UTIL REVIEW
PLANTE, RAY	283	USABILITY I	PGPLOTMANAGER FOR PIPELINE USE
MCMULLIN, JOE	126	SCIENTIFIC COMP	ADD FLAGGING FUNCTIONS TO DISH
MCMULLIN, JOE	421	OPERATIONS	EXPLORE WORKSHOP FOR AIPS++
GARWOOD, BOB	291	USABILITY I	SCAN AND PROJECT SELECTION UTILITY
BRAATZ, JIM	294	USABILITY I	UNIFY UNIJR/DISH
BRAATZ, JIM	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION
MCMULLIN, JOE	151	SCIENTIFIC COMP	MULTI-IF IMPLEMENTATION DESIGN
MCMULLIN, JOE	152	SCIENTIFIC COMP	MULTI-BEAM IMPLEMENTATION DESIGN
MCMULLIN, JOE	422	OPERATIONS	V2.0 NEWSLETTERS
MCMULLIN, JOE	211.31	USABILITY I	SD BENCHMARKS
GARWOOD, BOB	157	SCIENTIFIC COMP	ENHANCE AVER TASK FOR IMPROVED WEIGHT
MOELLENBROCK, GEORGE	136.61	SCIENTIFIC COMP	HIGH FREQ CAL I: PA
MOELLENBROCK, GEORGE	182	SCIENTIFIC COMP	PACKAGE IMAGE-PLANE CONTINUUM SUB
BHATNAGAR, SANJAY	211.12	USABILITY I	ADD EQUIVALENT AIPS SCRIPTS TO BENCHMA
BHATNAGAR, SANJAY	213.4/213.3	USABILITY I	IMPLEMENT ADAPTIVE MEMORY USE
YOUNG, WES	214.1	USABILITY I	INTEL C++ COMPILER PORT
SCHIEBEL, DARRELL	221.13	USABILITY I	TAB WIDGET
SCHIEBEL, DARRELL	222.1	USABILITY I	GLISH SSH AUTHENTICATION
SCHIEBEL, DARRELL	222.2	USABILITY I	UNINITIALIZED SET TO <FAIL>,CLI FLAG
KING, DAVID	233.1	USABILITY I	COMPLETE MSASRASTER
YOUNG, WES	412	OPERATIONS	COMPLETE GCC 3.* MIGRATION
YOUNG, WES	414	OPERATIONS	AUPDATE DISTRIBUTIONS
RUSK, RAYMOND	512	ALMA	PERFORMANCE PROFILING OF ALMA-TI FILLER
GARWOOD, BOB	292	USABILITY I	DISH ASSAY FUNCTIONS
BRAATZ, JIM	271	USABILITY I	IPS: SUPPORT ABCISSA RANGES
MCMULLIN, JOE	153/152	SCIENTIFIC COMP	BEAM SWITCHED CALIB REFINEMENTS
MCMULLIN, JOE	171/152,172	SCIENTIFIC COMP	BEAM-SWITCHED IMAGING
CORNWELL, TIM	161/162	SCIENTIFIC COMP	JOINT SD/INT CALIBRATION SCALING
CORNWELL, TIM	162	SCIENTIFIC COMP	FULL JOINT SD/INT DECONVOLUTION

BHATNAGAR, SANJAY	172	SCIENTIFIC COMP	MULTI-BEAM IMAGING
SCHIEBEL, DARRELL	213.22	USABILITY I	SYSTEM.RESOURCES.MEMORY AIPSRC CHANGE
SCHIEBEL, DARRELL	221.14	USABILITY I	TECHNICAL EVALUATION FOR GLISH PLANNING
KING, DAVID	233.2	USABILITY I	INTERACTIVE EDITING
SCHIEBEL, DARRELL	252	USABILITY I	AIPS++ CACHE MANAGEMENT UTILITIES
YOUNG, WES	413	OPERATIONS	LINUX PURIFYPLUS EVALUATION
YOUNG, WES	415	OPERATIONS	SYSTEM ADMINISTRATORS GUIDE
GOLAP, KUMAR	119.1	SCIENTIFIC COMP	MSCONCAT: WORKS FOR ALL SUBTABLES
MOELLENBROCK, GEORGE	131.62	SCIENTIFIC COMP	HIGH FREQ CAL II:GAIN, ANT POS, OPACITY
MOELLENBROCK, GEORGE	120	SCIENTIFIC COMP	MS TOOL IMPROVEMENTS DESIGN
RUSK, RAYMOND	119.2	SCIENTIFIC COMP	INVEST. UVFITS RESTRICTION ON MSCONCAT
GOLAP, KUMAR	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW
MCMULLIN, JOE	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW
GARWOOD, BOB	111.15	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT BS DATA
GARWOOD, BOB	111.16	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT MULTI-BEAM DATA
BRAATZ, JIM	153/152	SCIENTIFIC COMP	BS CALIBRATION REFINEMENTS
GOSCHA, DANIEL	113.1	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE/FIXED TSM
GOSCHA, DANIEL	113.2	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE SHAPE SW
MCMULLIN, JOE	152.4	SCIENTIFIC COMP	MIGRATE GLISH ACCESS UTILITIES
MCMULLIN, JOE	155/151	SCIENTIFIC COMP	MULTI-IF GLISH CALIBRATION
GOSCHA, DANIEL	116.1	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN MS2ARCHIVE
GOSCHA, DANIEL	116.2	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN ARCHIVE2MS
MOELLENBROCK, GEORGE	121	SCIENTIFIC COMP	FLAG SCOPE:FLAG BASED ON AVERAGE
MOELLENBROCK, GEORGE	131.81	SCIENTIFIC COMP	AUTO REJECT OF SOLUTIONS BELOW SNR LIMIT
MOELLENBROCK, GEORGE	131.82	SCIENTIFIC COMP	REJECT INTERVALS WITH INSUFFICIENT DATA
GOLAP, KUMAR	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS
SCHIEBEL, DARRELL	221.21	USABILITY I	COMBOBOX MEGA-WIDGET
SCHIEBEL, DARRELL	222.3	USABILITY I	REFERENCE COUNTING DEFECTS
YOUNG, WES	256	USABILITY I	EXPLORE NSF FILE LOCKING PROBLEM
GARWOOD, BOB	111.20	SCIENTIFIC COMP	GBTMSFILLER: DOCUMENT
MCMULLIN, JOE	159	SCIENTIFIC COMP	GBTMS AVERAGE/DECIMATE ROUTINES
BHATNAGAR, SANJAY	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS
GARWOOD, BOB	111.14	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT WEIGHT SPECTRUM
BRAATZ, JIM	111.24	SCIENTIFIC COMP	IARDS: DISPLAY 1 SPECTRUM/SPW
BRAATZ, JIM	111.22	SCIENTIFIC COMP	IARDS: APPEND TO ONE MS
MCMULLIN, JOE	416	OPERATIONS	RELEASE PREP V2.0
MCMULLIN, JOE	430	OPERATIONS	DEFECT CORRECTIONS/USER SUPPORT
MCMULLIN, JOE	610	MANAGEMENT	GENERAL PROJECT MANAGEMENT
WIERINGA, MARK	114.3/114.1	SCIENTIFIC COMP	MSGAIN ACCESS CLASSES
GOSCHA, DANIEL	118.1	SCIENTIFIC COMP	HISTORY PROPAGATION:DESIGN PROPOSAL

MOELLENBROCK, GEORGE	122	SCIENTIFIC COMP	FLAG UNDO CAPABILITY USING FLAG_CATEGOR
KEMBALL, ATHOL	131.2	SCIENTIFIC COMP	INTERPOLATION
KEMBALL, ATHOL	131.3	SCIENTIFIC COMP	GJONES INCREMENTAL CALIBRATION
BROUW, WIM	131.9	SCIENTIFIC COMP	A PRIORI GEOMETRY CORRECTIONS
TEUBEN, PETER	183	SCIENTIFIC COMP	ROTATION CURVE VELOCITY FITTER
BROUW, WIM	184	SCIENTIFIC COMP	SUPPORT IAU PRECESSION AND NUTATION
WIERINGA, MARK	192	SCIENTIFIC COMP	ATCAFILLER:SUPPORT DOPPLER SUBTABLE
WIERINGA, MARK	193	SCIENTIFIC COMP	ATCA TEST SCRIPTS
GOSCHA, DANIEL	110.11	SCIENTIFIC COMP	TIME-DEP SOURCE MODEL IN MIRFILLER
MEHRINGER, DAVE	110.21	SCIENTIFIC COMP	BIMA-SPECIFIC SUB-TABLE DEFINITION
MEHRINGER, DAVE	110.22	SCIENTIFIC COMP	CONVERT TO CAL TABLE TO APPLY
MEHRINGER, DAVE	110.3	SCIENTIFIC COMP	MS AVERAGING: BIMA STOKES AVERAGING
SARMA, ANUJ	211.13	USABILITY I	ADD EQUIVALENT MIRIAD SCRIPTS TO BENCH
VANDIEPEN, GER	212.21	USABILITY I	COPY OPTIMIZATION IN TSMCUBE
CORTES, PAULO	212.3	USABILITY I	PABLO I/O PROFILING
VANDIEPEN, GER	212.5	USABILITY I	PARALLEL I/O IMPLEMENTATION
BHATNAGAR, SANJAY	214.2	USABILITY I	PROFILE UHFFT AND FFTW
BHATNAGAR, SANJAY	215.2	USABILITY I	IMAGER.SETJY() OPTIMIZATION
CORTES, PAULO	216.3	USABILITY I	KEY SCIENCE PROCESSING:IA64: M33
CORTES, PAULO	216.4	USABILITY I	KEY SCIENCE PROCESSING:IA64: GC
WIERINGA, MARK	219.1	USABILITY I	IMAGING OPT FOR LARGE-POINTING MOSAICS
MEHRINGER, DAVE	211.01	USABILITY I	OPTIMIZATION OF LARGE SPECTRAL LINE MO
SCHIEBEL, DARRELL	221.11	USABILITY I	COMPLETE DYNAMIC MODULE LOADING IN GLI
SCHIEBEL, DARRELL	221.122	USABILITY I	AUTOGUI PANEL WIDGET
MARQUARDING, MALTE	231.1	USABILITY I	PROFILE VIEWER PERFORMANCE
MARQUARDING, MALTE	231.2	USABILITY I	OPTIMIZE VIEWER PERFORMANCE
MARQUARDING, MALTE	231.3	USABILITY I	BLINKING OF CONFORMANT IMAGES
MARQUARDING, MALTE	231.5	USABILITY I	IMPROVE VIEWER SCRIPTING POSSIBILITIES
BROUW, WIM	231.61	USABILITY I	IMAGE RE-GRIDDER OPTIMIZATION
BROUW, WIM	231.62	USABILITY I	COORDINATES CREATOR CLASS
MARQUARDING, MALTE	231.63	USABILITY I	GLISH SUPPORT FOR NEW DD
MARQUARDING, MALTE	231.64	USABILITY I	ZOOM OUT IN WORLD COORDINATES
MARQUARDING, MALTE	231.65	USABILITY I	WCHOLDER INTEGRATION
MARQUARDING, MALTE	231.66	USABILITY I	ANIMATOR INTEGRATION
MARQUARDING, MALTE	231.67	USABILITY I	PANELDISELAY INTEGRATION
MARQUARDING, MALTE	231.68	USABILITY I	WORLDAXIS DD'S
MARQUARDING, MALTE	231.69	USABILITY I	PASSIVEDD AND DRAWINGDD INTEGRATION
MARQUARDING, MALTE	231.610	USABILITY I	LATTICE*DD MIGRATION TO CACHING DD
MARQUARDING, MALTE	231.611	USABILITY I	VOLUME RENDERING CLIENT (SWINBURNE)
KING, DAVID	233.3	USABILITY I	COMPLETE MSASXY

KING, DAVID	233.4	USABILITY I	DEPLOY UVDD IN VIEWER AND MSPLOT
PLANTE, RAY	243	USABILITY I	REEDIT OF GETTING STARTED
VANDIEPEN, GER	251	USABILITY I	RECOMMENDATION ON LOCKING POLICIES
PLANTE, RAY	253	USABILITY I	COMPLETE ANALYTIC ERRORS IN SIMULATOR
KEMBALL, ATHOL	261.2	USABILITY I	UNIFY SELECTION INTERFACE ACROSS TOOLS
BROUW, WIM	264	USABILITY I	IMPROVE GLISH FITTING INTERFACE
BROUW, WIM	265	USABILITY I	ADD UVW-MACHINE TO MEASURES.G
PLANTE, RAY	282	USABILITY I	GAINPOLYFITTER ENHANCEMENT
TEUBEN, PETER	284	USABILTY I	SUPPORT MASKING IN MIRIAD IMAGE
MEHRINGER, DAVE	285	USABILITY I	MIGRATE BIMA COOKBOOK TO AIPS++ CB
YOUNG, WES	411	OPERATIONS	BUILD ADMINISTRATION
YOUNG, WES	416	OPERATIONS	RELEASE PREPARATION V2.0
VANDIEPEN, GER	430	OPERATIONS	DEFECT CORR/USER SUPPORT
SMIRNOV, OLEG	430	OPERATIONS	DEFECT CORR/USER SUPPORT
WIERINGA, MARK	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MARQUARDING, MALTE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
BROUW, WIM	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MEHRINGER, DAVE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
PLANTE, RAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT
GOSCHA, DANIEL	430	OPERATIONS	DEFECT CORR/USER SUPPORT
SCHIEBEL, DARRELL	430	OPERATIONS	DEFECT CORR/USER SUPPORT
KING, DAVID	430	OPERATIONS	DEFECT CORR/USER SUPPORT
MOELLENBROCK, GEORGE	430	OPERATIONS	DEFECT CORR/USER SUPPORT
YOUNG, WES	430	OPERATIONS	DEFECT CORR/USER SUPPORT
BHATNAGAR, SANJAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT
GOLAP, KUMAR	430	OPERATIONS	DEFECT CORR/USER SUPPORT
GOLAP, KUMAR	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION
MCCONNELL, DAVE	630	MANAGEMENT	ATNF SITE MANAGEMENT
PLANTE, RAY	640	MANAGEMENT	BIMA SITE MANAGEMENT
NOORDAM, JAN	650	MANAGEMENT	ASTRON SITE MANAGEMENT
NOBLE, ROGER	660	MANAGEMENT	NRAL SITE MANAGEMENT
RUSK, RAYMOND	513	ALMA	ID AND IMPLEMENT OPTIMIZATION OF ALMA
RUSK, RAYMOND	514	ALMA	ADD ALMATI2MS TO AIPS++ BENCHMARKS
RUSK, RAYMOND	515	ALMA	PROFILE THE ALMA/IRAM SOLVERS G/BJONES
RUSK, RAYMOND	516	ALMA	ID/IMPLEMENT OPTIMIZATION FOR A/I SOLV
RUSK, RAYMOND	517	ALMA	ADD IRAM/ALMA SOLVERS TO BENCHMARKS
GARWOOD, BOB	670	MANAGEMENT	QAG DEVELOPMENT
GOLAP, KUMAR	620	MANAGEMENT	NRAO SITE MANAGEMENT
MCMULLIN, JOE	158	SCIENTIFIC COMP	SUPPORT NEW GBT OBSERVING MODES
MOELLENBROCK, GEORGE	418	OPERATIONS	OPERATIONS LEAD

GARWOOD, BOB	111.30	SCIENTIFIC COMP	FLAT TABLE->MS CONVERTER
RUSK, RAYMOND	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION
GARWOOD, BOB	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT
BRAATZ, JIM	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT
BRAATZ, JIM	294	USABILITY I	GBT OBSERVERS DOC MAINTENANCE
BRAATZ, JIM	111.25	SCIENTIFIC COMP	IARDS:ALL AUXILLIARY CAL DISPLAYS
BRAATZ, JIM	111.18	SCIENTIFIC COMP	GBTMSFILLER: TEST HOLOGRAPHY MODE
KEMBALL, ATHOL	111	SCIENTIFIC COMP	IMPLEMENT MS CALIBRATION SETS