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

Joe McMullin

29 December 2002

Contents

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/ncsa		
	plante, ray	444
jbo		
	noble, roger	40
ncsa		
	cortes, paulo	240
	goscha, daniel	1030
	mehringer, 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	120	INC	1/15/2003
BHATNAGAR, SANJAY	211.11	USABILITY I	INITIAL SUITE OF IMAGING BENCHMARKS	80	DONE	11/15/2002
BHATNAGAR, SANJAY	211.12	USABILITY I	ADD EQUIVALENT AIPS SCRIPTS TO BENCHMA	40	DONE	12/15/2002
BHATNAGAR, SANJAY	211.21	USABILITY I	G,D AND BJONES CALIBRATION BENCHMARKS	80	DONE	11/15/2002
BHATNAGAR, SANJAY	213.3/213.1	USABILITY I	ID ADAPTIVE MEORY USE AREAS/HEURISTICS	80	DONE	11/15/2002
BHATNAGAR, SANJAY	213.4/213.3	USABILITY I	IMPLEMENT ADAPTIVE MEMORY USE	80	INC	12/15/2002
BHATNAGAR, SANJAY	214.2	USABILITY I	PROFILE UHFFT AND FFTW	40	INC	3/30/2003
BHATNAGAR, SANJAY	215.2	USABILITY I	IMAGER.SETJY() OPTIMIZATION	40	INC	3/30/2003
BHATNAGAR, SANJAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT	430	INC	3/30/2003
BHATNAGAR, SANJAY	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS	60	INC	2/15/2003
BRAATZ, JIM	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT	530	INC	3/30/2003
BRAATZ, JIM	294	USABILITY I	UNIFY UNIJR/DISH	80	DONE	11/15/2002
BRAATZ, JIM	294	USABILITY I	GBT OBSERVERS DOC MAINTENANCE	80	INC	3/30/2003
BRAATZ, JIM	271	USABILITY I	IPS: SUPPORT ABCISSA RANGES	80	DONE	12/15/2002
BRAATZ, JIM	111.25	SCIENTIFIC COMP	IARDS:ALL AUXILLIARY CAL DISPLAYS	80	INC	3/30/2003
BRAATZ, JIM	111.24	SCIENTIFIC COMP	IARDS: DISPLAY 1 SPECTRUM/SPW	40	INC	2/15/2003
BRAATZ, JIM	111.22	SCIENTIFIC COMP	IARDS: APPEND TO ONE MS	40	INC	2/15/2003
BRAATZ, JIM	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION	40	DONE	11/15/2002
BRAATZ, JIM	111.18	SCIENTIFIC COMP	GBTMSFILLER: TEST HOLOGRAPHY MODE	40	INC	3/30/2003
BRAATZ, JIM	153/152	SCIENTIFIC COMP	BS CALIBRATION REFINEMENTS	40	INC	1/15/2003
BROUW, WIM	131.9	SCIENTIFIC COMP	A PRIORI GEOMETRY CORRECTIONS	80	INC	3/30/2003
BROUW, WIM	184	SCIENTIFIC COMP	SUPPORT IAU PRECESSION AND NUTATION	80	INC	3/30/2003
BROUW, WIM	231.61	USABILITY I	IMAGE RE-GRIDDER OPTIMIZATION	160	DONE	3/30/2003
BROUW, WIM	231.62	USABILITY I	COORDINATES CREATOR CLASS	130	INC	3/30/2003
BROUW, WIM	264	USABILITY I	IMPROVE GLISH FITTING INTERFACE	40	INC	3/30/2003
BROUW, WIM	265	USABILITY I	ADD UVW-MACHINE TO MEASURES.G	40	DONE	3/30/2003
BROUW, WIM	430	OPERATIONS	DEFECT CORR/USER SUPPORT	212	INC	3/30/2003
CORNWELL, TIM	161/162	SCIENTIFIC COMP	JOINT SD/INT CALIBRATION SCALING	80	INC	1/15/2003
CORNWELL, TIM	162	SCIENTIFIC COMP	FULL JOINT SD/INT DECONVOLUTION	80	INC	1/15/2003
CORNWELL, TIM	163/162	SCIENTIFIC COMP	JOINT SD/INT SIMULATION	80	DONE	11/15/2002
CORTES, PAULO	212.3	USABILITY I	PABLO I/O PROFILING	80	INC	3/30/2003
CORTES, PAULO	216.3	USABILITY I	KEY SCIENCE PROCESSING:IA64: M33	80	INC	3/30/2003
CORTES, PAULO	216.4	USABILITY I	KEY SCIENCE PROCESSING:IA64: GC	80	INC	3/30/2003
GARWOOD, BOB	157	SCIENTIFIC COMP	ENHANCE AVER TASK FOR IMPROVED WEIGHT	40	DONE	12/15/2002
GARWOOD, BOB	111.11	SCIENTIFIC COMP	GBTMSFILLER: VAN VLECK CORRECTION	80	DONE	11/15/2002
GARWOOD, BOB	111.20	SCIENTIFIC COMP	GBTMSFILLER: DOCUMENT	40	INC	2/15/2003
GARWOOD, BOB	670	MANAGEMENT	QAG DEVELOPMENT	80	INC	3/30/2003

GARWOOD, BOB	111.30	SCIENTIFIC COMP	FLAT TABLE->MS CONVERTER	80	INC	3/30/2003
GARWOOD, BOB	111.14	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT WEIGHT SPECTRUM	40	INC	2/15/2003
GARWOOD, BOB	111.15	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT BS DATA	40	INC	1/15/2003
GARWOOD, BOB	111.16	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT MULTI-BEAM DATA	40	INC	1/15/2003
GARWOOD, BOB	291	USABILITY I	SCAN AND PROJECT SELECTION UTILITY	80	DONE	11/15/2002
GARWOOD, BOB	292	USABILITY I	DISH ASSAY FUNCTIONS	80	DONE	12/15/2002
GARWOOD, BOB	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT	450	INC	3/30/2003
GOLAP, KUMAR	113.3	SCIENTIFIC COMP	MSCONCAT:ACCEPT FREQ/POS TOLERANCE	20	DONE	11/15/2002
GOLAP, KUMAR	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS	60	INC	2/15/2003
GOLAP, KUMAR	255	USABILITY I	REPLACE IMAGERTEST WITH IMAGERPOSITION	80	DONE	11/15/2002
GOLAP, KUMAR	430	OPERATIONS	DEFECT CORR/USER SUPPORT	380	INC	3/30/2003
GOLAP, KUMAR	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION	360	INC	3/30/2003
GOLAP, KUMAR	620	MANAGEMENT	NRAO SITE MANAGEMENT	80	INC	3/30/2003
GOLAP, KUMAR	119.1	SCIENTIFIC COMP	MSCONCAT: WORKS FOR ALL SUBTABLES	40	INC	1/15/2003
GOLAP, KUMAR	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW	80	INC	1/15/2003
GOSCHA, DANIEL	116.1	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN MS2ARCHIVE	120	INC	2/15/2003
GOSCHA, DANIEL	116.2	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN ARCHIVE2MS	120	INC	2/15/2003
GOSCHA, DANIEL	118.1	SCIENTIFIC COMP	HISTORY PROPAGATION:DESIGN PROPOSAL	120	INC	3/30/2003
GOSCHA, DANIEL	110.11	SCIENTIFIC COMP	TIME-DEP SOURCE MODEL IN MIRFILLER	150	INC	3/30/2003
GOSCHA, DANIEL	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
GOSCHA, DANIEL	113.1	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE/FIXED TSM	80	INC	1/15/2003
GOSCHA, DANIEL	113.2	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE SHAPE SW	120	INC	1/15/2003
KEMBALL, ATHOL	131.2	SCIENTIFIC COMP	INTERPOLATION	80	INC	3/30/2003
KEMBALL, ATHOL	131.3	SCIENTIFIC COMP	GJONES INCREMENTAL CALIBRATION	80	INC	3/30/2003
KEMBALL, ATHOL	213.21	USABILITY I	CHANGE PROP FOR SYSTEM.RESOURCES.MEMFA	18	DONE	11/15/2002
KEMBALL, ATHOL	261.2	USABILITY I	UNIFY SELECTION INTERFACE ACROSS TOOLS	80	INC	3/30/2003
KEMBALL, ATHOL	111	SCIENTIFIC COMP	IMPLEMENT MS CALIBRATION SETS	120	INC	3/30/2003
KING, DAVID	233.1	USABILITY I	COMPLETE MSASRASTER	250	INC	12/15/2002
KING, DAVID	233.2	USABILITY I	INTERACTIVE EDITING	250	INC	1/15/2003
KING, DAVID	233.3	USABILITY I	COMPLETE MSASXY	250	INC	3/30/2003
KING, DAVID	233.4	USABILITY I	DEPLOY UVDD IN VIEWER AND MSPLOT	250	INC	3/30/2003
KING, DAVID	430	OPERATIONS	DEFECT CORR/USER SUPPORT	400	INC	3/30/2003
LEIGH, ALAN	231.4	USABILITY I	WC ANNOTATION CAPABILITIES	80	DONE	11/15/2002
MARQUARDING, MALTE	231.1	USABILITY I	PROFILE VIEWER PERFORMANCE	40	INC	3/30/2003
MARQUARDING, MALTE	231.2	USABILITIY I	OPTIMIZE VIEWER PERFORMANCE	40	INC	3/30/2003
MARQUARDING, MALTE	231.3	USABILITY I	BLINKING OF CONFORMANT IMAGES	80	INC	3/30/2003
MARQUARDING, MALTE	231.5	USABILITY I	IMPROVE VIEWER SCRIPTING POSSIBILITIES	20	INC	3/30/2003
MARQUARDING, MALTE	231.63	USABILITY I	GLISH SUPPORT FOR NEW DD	80	INC	3/30/2003
MARQUARDING, MALTE	231.64	USABILITY I	ZOOM OUT IN WORLD COORDINATES	80	DONE	3/30/2003
MARQUARDING, MALTE	231.65	USABILITY I	WCHOLDER INTEGRATION	80	INC	3/30/2003

MARQUARDING, MALTE	231.66	USABILITY I	ANIMATOR INTEGRATION	80	INC	3/30/2003
MARQUARDING, MALTE	231.67	USABILITY I	PANELDISPLAY INTEGRATION	80	INC	3/30/2003
MARQUARDING, MALTE	231.68	USABILITY I	WORLDAXIS DD'S	40	INC	3/30/2003
MARQUARDING, MALTE	231.69	USABILITY I	PASSIVEDD AND DRAWINGDD INTEGRATION	40	INC	3/30/2003
MARQUARDING, MALTE	231.610	USABILITY I	LATTICE*DD MIGRATION TO CACHING DD	80	INC	3/30/2003
MARQUARDING, MALTE	231.611	USABILITY I	VOLUME RENDERING CLIENT (SWINBURNE)	40	INC	3/30/2003
MARQUARDING, MALTE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
MCCONNELL, DAVE	630	MANAGEMENT	ATNF SITE MANAGEMENT	80	INC	3/30/2003
MCMULLIN, JOE	151	SCIENTIFIC COMP	MULTI-IF IMPLEMENTATION DESIGN	40	DONE	12/15/2002
MCMULLIN, JOE	152	SCIENTIFIC COMP	MULTI-BEAM IMPLEMENTATION DESIGN	40	DONE	12/15/2002
MCMULLIN, JOE	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION	40	DONE	11/15/2002
MCMULLIN, JOE	152.4	SCIENTIFIC COMP	MIGRATE GLISH ACCESS UTILTIES	40	INC	2/15/2003
MCMULLIN, JOE	153/152	SCIENTIFIC COMP	BEAM SWITCHED CALIB REFINEMENTS	20	INC	1/15/2003
MCMULLIN, JOE	154	SCIENTIFIC COMP	TOTAL POWER OTF MAPPING	40	DONE	11/15/2002
MCMULLIN, JOE	155/151	SCIENTIFIC COMP	MULTI-IF GLISH CALIBRATION	40	INC	2/15/2003
MCMULLIN, JOE	171/152,172	SCIENTIFIC COMP	BEAM-SWITCHED IMAGING	40	INC	1/15/2003
MCMULLIN, JOE	294	USABILITY I	UNIFY UNIJR/DISH	80	DONE	11/15/2002
MCMULLIN, JOE	416	OPERATIONS	RELEASE PREP V2.0	40	INC	3/30/2003
MCMULLIN, JOE	422	OPERATIONS	V2.0 NEWSLETTERS	20	DONE	12/15/2002
MCMULLIN, JOE	430	OPERATIONS	DEFECT CORRECTIONS/USER SUPPORT	360	INC	3/30/2003
MCMULLIN, JOE	610	MANAGEMENT	GENERAL PROJECT MANAGEMENT	240	INC	3/30/2003
MCMULLIN, JOE	211.31	USABILITY I	SD BENCHMARKS	80	INC	12/15/2002
MCMULLIN, JOE	126	SCIENTIFIC COMP	ADD FLAGGING FUNCTIONS TO DISH	40	DONE	11/15/2002
MCMULLIN, JOE	421	OPERATIONS	EXPLORE WORKSHOP FOR AIPS++	40	DONE	11/15/2002
MCMULLIN, JOE	158	SCIENTIFIC COMP	SUPPORT NEW GBT OBSERVING MODES	80	INC	3/30/2003
MCMULLIN, JOE	159	SCIENTIFIC COMP	GBTMS AVERAGE/DECIMATE ROUTINES	40	INC	2/15/2003
MCMULLIN, JOE	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW	80	INC	1/15/2003
MEHRINGER, DAVE	110.21	SCIENTIFIC COMP	BIMA-SPECIFIC SUB-TABLE DEFINITION	80	INC	3/30/2003
MEHRINGER, DAVE	110.22	SCIENTIFIC COMP	CONVERT TO CAL TABLE TO APPLY	100	INC	3/30/2003
MEHRINGER, DAVE	110.3	SCIENTIFIC COMP	MS AVERAGING: BIMA STOKES AVERAGING	100	INC	3/30/2003
MEHRINGER, DAVE	211.01	USABILTIY I	OPTIMIZATION OF LARGE SPECTRAL LINE MO	100	INC	3/30/2003
MEHRINGER, DAVE	285	USABILITY I	MIGRATE BIMA COOKBOOK TO AIPS++ CB	120	INC	3/30/2003
MEHRINGER, DAVE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	212	INC	3/30/2003
MOELLENBROCK, GEORGE	114.1	SCIENTIFIC COMP	DEFINE MS GAIN SUB TABLE FORMAT	30	DONE	11/15/2002
MOELLENBROCK, GEORGE	121	SCIENTIFIC COMP	FLAG SCOPE:FLAG BASED ON AVERAGE	80	INC	2/15/2003
MOELLENBROCK, GEORGE	122	SCIENTIFIC COMP	FLAG UNDO CAPABILITY USING FLAG_CATEGO	120	INC	3/30/2003
MOELLENBROCK, GEORGE	131.1	SCIENTIFIC COMP	SCAN-BASED CALIBRATION	80	DONE	11/15/2002
MOELLENBROCK, GEORGE	136.61	SCIENTIFIC COMP	HIGH FREQ CAL I: PA	60	DONE	12/15/2002
MOELLENBROCK, GEORGE	131.81	SCIENTIFIC COMP	AUTO REJECT OF SOLUTIONS BELOW SNR LIM	40	INC	2/15/2003
MOELLENBROCK, GEORGE	131.82	SCIENTIFIC COMP	REJECT INTERVALS WITH INSUFFICIENT DAT	20	INC	2/15/2003

MOELLENBROCK, GEORGE	134.2	SCIENTIFIC COMP	AVERAGE CALIBRATION SOLUTIONS	60	DONE	11/15/2002
MOELLENBROCK, GEORGE	141	SCIENTIFIC COMP	UV-PLANE CONTINUUM SUBTRACTION	60	DONE	11/15/2002
MOELLENBROCK, GEORGE	182	SCIENTIFIC COMP	PACKAGE IMAGE-PLANE CONTINUUM SUB	40	INC	12/15/2002
MOELLENBROCK, GEORGE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
MOELLENBROCK, GEORGE	418	OPERATIONS	OPERATIONS LEAD	80	INC	3/30/2003
MOELLENBROCK, GEORGE	131.62	SCIENTIFIC COMP	HIGH FREQ CAL II:GAIN, ANT POS, OPACIT	20	INC	1/15/2003
MOELLENBROCK, GEORGE	120	SCIENTIFIC COMP	MS TOOL IMPROVEMENTS DESIGN	80	INC	1/15/2003
NOORDAM, JAN	650	MANAGEMENT	ASTRON SITE MANAGEMENT	80	INC	3/30/2003
NOBLE, ROGER	660	MANAGEMENT	NRAL SITE MANAGEMENT	40	INC	3/30/2003
PLANTE, RAY	243	USABILITY I	REEDIT OF GETTING STARTED	80	INC	3/30/2003
PLANTE, RAY	253	USABILITY I	COMPLETE ANALYTIC ERRORS IN SIMULATOR	80	INC	3/30/2003
PLANTE, RAY	282	USABILITY I	GAINPOLYFITTER ENHANCEMENT	40	INC	3/30/2003
PLANTE, RAY	283	USABILITY I	PGPLOTMANAGER FOR PIPELINE USE	36	DONE	11/15/2002
PLANTE, RAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT	128	INC	3/30/2003
PLANTE, RAY	640	MANAGEMENT	BIMA SITE MANAGEMENT	80	INC	3/30/2003
RUSK, RAYMOND	512	ALMA	PERFORMANCE PROFILING OF ALMA-TI FILLE	80	DONE	12/15/2002
RUSK, RAYMOND	513	ALMA	ID AND IMPLEMENT OPTIMIZATION OF ALMAT	80	DONE	3/30/2003
RUSK, RAYMOND	514	ALMA	ADD ALMATI2MS TO AIPS++ BENCHMARKS	80	DONE	3/30/2003
RUSK, RAYMOND	515	ALMA	PROFILE THE ALMA/IRAM SOLVERS G/BJONES	80	INC	3/30/2003
RUSK, RAYMOND	516	ALMA	ID/IMPLEMENT OPTIMIZATION FOR A/I SOLV	80	INC	3/30/2003
RUSK, RAYMOND	517	ALMA	ADD IRAM/ALMA SOLVERS TO BENCHMARKS	80	INC	3/30/2003
RUSK, RAYMOND	119.2	SCIENTIFIC COMP	INVEST. UVFITS RESTRICTION ON MSCONCAT	80	INC	1/15/2003
RUSK, RAYMOND	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION	80	INC	3/30/2003
SARMA, ANUJ	211.13	USABILITY I	ADD EQUIVALENT MIRIAD SCRIPTS TO BENCH	12	INC	3/30/2003
SCHIEBEL, DARRELL	213.1	USABILITY I	OS/APPINFO MEMORY ACCESS FUNCTION	80	DONE	11/15/2002
SCHIEBEL, DARRELL	213.22	USABILITY I	SYSTEM.RESOURCES.MEMORY AIPSRC CHANGE	60	INC	1/15/2003
SCHIEBEL, DARRELL	221.11	USABILITY I	COMPLETE DYNAMIC MODULE LOADING IN GLI	120	INC	3/30/2003
SCHIEBEL, DARRELL	221.21	USABILITY I	COMBOBOX MEGA-WIDGET	40	INC	2/15/2003
SCHIEBEL, DARRELL	221.122	USABILITY I	AUTOGUI PANEL WIDGET	120	INC	3/30/2003
SCHIEBEL, DARRELL	221.13	USABILITY I	TAB WIDGET	80	INC	12/15/2002
SCHIEBEL, DARRELL	221.14	USABILITY I	TECHNICAL EVALUATION FOR GLISH PLANNIN	80	INC	1/15/2003
SCHIEBEL, DARRELL	222.1	USABILITY I	GLISH SSH AUTHENTICATION	160	INC	12/15/2002
SCHIEBEL, DARRELL	222.2	USABILITY I	UNINITIALIZED SET TO <FAIL>,CLI FLAG	80	INC	12/15/2002
SCHIEBEL, DARRELL	222.3	USABILITY I	REFERENCE COUNTING DEFECTS	80	INC	2/15/2003
SCHIEBEL, DARRELL	252	USABILITY I	AIPS++ CACHE MANAGEMENT UTILITIES	40	INC	1/15/2003
SCHIEBEL, DARRELL	430	OPERATIONS	DEFECT CORR/USER SUPPORT	460	INC	3/30/2003
SESSOMS, ERIC	259.1	USABILITY I	COMPLETE FITS*UTIL REVIEW	40	DONE	11/15/2002
SMIRNOV, OLEG	430	OPERATIONS	DEFECT CORR/USER SUPPORT	80	INC	3/30/2003
TEUBEN, PETER	183	SCIENTIFIC COMP	ROTATION CURVE VELOCITY FITTER	160	INC	3/30/2003
TEUBEN, PETER	284	USABILTY I	SUPPORT MASKING IN MIRIAD IMAGE	240	INC	3/30/2003

VANDIEPEN, GER	212.21	USABILITY I	COPY OPTIMIZATION IN TSMCUBE	24	INC	3/30/2003
VANDIEPEN, GER	212.22	USABILITY I	LOCAL ENDIAN TABLE SUPPORT	60	DONE	11/15/2002
VANDIEPEN, GER	212.24	USABILITY I	SPECIALIZED COMPRESSION REAL-ONLY COLS	40	DONE	11/15/2002
VANDIEPEN, GER	212.5	USABILITY I	PARALLEL I/O IMPLEMENTATION	20	INC	3/30/2003
VANDIEPEN, GER	216.5	USABILITY I	MAKE LARGE FILE SUPPORT THE DEFAULT	24	DONE	11/15/2002
VANDIEPEN, GER	251	USABILITY I	RECOMMENDATION ON LOCKING POLICIES	40	INC	3/30/2003
VANDIEPEN, GER	430	OPERATIONS	DEFECT CORR/USER SUPPORT	80	INC	3/30/2003
WIERINGA, MARK	114.3/114.1	SCIENTIFIC COMP	MSGAIN ACCESS CLASSES	40	INC	3/30/2003
WIERINGA, MARK	191	SCIENTIFIC COMP	ATCAFILLER:FLAG IF BIRDIE=T	20	DONE	11/15/2002
WIERINGA, MARK	192	SCIENTIFIC COMP	ATCAFILLER:SUPPORT DOPPLER SUBTABLE	20	INC	3/30/2003
WIERINGA, MARK	193	SCIENTIFIC COMP	ATCA TEST SCRIPTS	80	INC	3/30/2003
WIERINGA, MARK	219.1	USABILITY I	IMAGING OPT FOR LARGE-POINTING MOSAICS	120	INC	3/30/2003
WIERINGA, MARK	219.2	USABILITY I	ATCAFILLER:SUPPORT OPT COMPRESSION	20	DONE	11/15/2002
WIERINGA, MARK	430	OPERATIONS	DEFECT CORR/USER SUPPORT	128	INC	3/30/2003
YOUNG, WES	214.1	USABILITY I	INTEL C++ COMPILER PORT	120	DONE	12/15/2002
YOUNG, WES	256	USABILITY I	EXPLORE NSF FILE LOCKING PROBLEM	20	INC	2/15/2003
YOUNG, WES	411	OPERATIONS	BUILD ADMINISTRATION	320	INC	3/30/2003
YOUNG, WES	412	OPERATIONS	COMPLETE GCC 3.* MIGRATION	160	DONE	12/15/2002
YOUNG, WES	413	OPERATIONS	LINUX PURIFYPLUS EVALUATION	80	INC	1/15/2003
YOUNG, WES	414	OPERATIONS	AUPDATE DISTRIBUTIONS	60	DONE	12/15/2002
YOUNG, WES	415	OPERATIONS	SYSTEM ADMINISTRATORS GUIDE	40	INC	1/15/2003
YOUNG, WES	416	OPERATIONS	RELEASE PREPARATION V2.0	80	INC	3/30/2003
YOUNG, WES	430	OPERATIONS	DEFECT CORR/USER SUPPORT	520	INC	3/30/2003

6 Release Summary

MCMULLIN, JOE	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION	40	DONE	11/15/2002
MCMULLIN, JOE	154	SCIENTIFIC COMP	TOTAL POWER OTF MAPPING	40	DONE	11/15/2002
MCMULLIN, JOE	294	USABILITY I	UNIFY UNIJR/DISH	80	DONE	11/15/2002
GARWOOD, BOB	111.11	SCIENTIFIC COMP	GBTMSFILLER: VAN VLECK CORRECTION	80	DONE	11/15/2002
GOLAP, KUMAR	113.3	SCIENTIFIC COMP	MSCONCAT:ACCEPT FREQ/POS TOLERANCE	20	DONE	11/15/2002
MOELLENBROCK, GEORGE	114.1	SCIENTIFIC COMP	DEFINE MS GAIN SUB TABLE FORMAT	30	DONE	11/15/2002
MOELLENBROCK, GEORGE	131.1	SCIENTIFIC COMP	SCAN-BASED CALIBRATION	80	DONE	11/15/2002
MOELLENBROCK, GEORGE	134.2	SCIENTIFIC COMP	AVERAGE CALIBRATION SOLUTIONS	60	DONE	11/15/2002
MOELLENBROCK, GEORGE	141	SCIENTIFIC COMP	UV-PLANE CONTINUUM SUBTRACTION	60	DONE	11/15/2002
CORNWELL, TIM	163/162	SCIENTIFIC COMP	JOINT SD/INT SIMULATION	80	DONE	11/15/2002
WIERINGA, MARK	191	SCIENTIFIC COMP	ATCAFILLER:FLAG IF BIRDIE=T	20	DONE	11/15/2002
BHATNAGAR, SANJAY	211.11	USABILITY I	INITIAL SUITE OF IMAGING BENCHMARKS	80	DONE	11/15/2002

BHATNAGAR, SANJAY	211.21	USABILITY I	G,D AND BJONES CALIBRATION BENCHMARKS	80	DONE	11/15/2002
VANDIEPEN, GER	212.22	USABILITY I	LOCAL ENDIAN TABLE SUPPORT	60	DONE	11/15/2002
VANDIEPEN, GER	212.24	USABILITY I	SPECIALIZED COMPRESSION REAL-ONLY COLS	40	DONE	11/15/2002
SCHIEBEL, DARRELL	213.1	USABILITY I	OS/APPINFO MEMORY ACCESS FUNCTION	80	DONE	11/15/2002
KEMBALL, ATHOL	213.21	USABILITY I	CHANGE PROP FOR SYSTEM.RESOURCES.MEMFA	18	DONE	11/15/2002
BHATNAGAR, SANJAY	213.3/213.1	USABILITY I	ID ADAPTIVE MEORY USE AREAS/HEURISTICS	80	DONE	11/15/2002
VANDIEPEN, GER	216.5	USABILITY I	MAKE LARGE FILE SUPPORT THE DEFAULT	24	DONE	11/15/2002
WIERINGA, MARK	219.2	USABILITY I	ATCAFILLER:SUPPORT OPT COMPRESSION	20	DONE	11/15/2002
LEIGH, ALAN	231.4	USABILITY I	WC ANNOTATION CAPABILITIES	80	DONE	11/15/2002
GOLAP, KUMAR	255	USABILITY I	REPLACE IMAGERTEST WITH IMAGERPOSITION	80	DONE	11/15/2002
SESSOMS, ERIC	259.1	USABILITY I	COMPLETE FITS*UTIL REVIEW	40	DONE	11/15/2002
PLANTE, RAY	283	USABILITY I	PGPLOTMANAGER FOR PIPELINE USE	36	DONE	11/15/2002
MCMULLIN, JOE	126	SCIENTIFIC COMP	ADD FLAGGING FUNCTIONS TO DISH	40	DONE	11/15/2002
MCMULLIN, JOE	421	OPERATIONS	EXPLORE WORKSHOP FOR AIPS++	40	DONE	11/15/2002
GARWOOD, BOB	291	USABILITY I	SCAN AND PROJECT SELECTION UTILITY	80	DONE	11/15/2002
BRAATZ, JIM	294	USABILITY I	UNIFY UNIJR/DISH	80	DONE	11/15/2002
BRAATZ, JIM	111.21	SCIENTIFIC COMP	IARDS-DISH UNIFICATION	40	DONE	11/15/2002
MCMULLIN, JOE	151	SCIENTIFIC COMP	MULTI-IF IMPLEMENTATION DESIGN	40	DONE	12/15/2002
MCMULLIN, JOE	152	SCIENTIFIC COMP	MULTI-BEAM IMPLEMENTATION DESIGN	40	DONE	12/15/2002
MCMULLIN, JOE	422	OPERATIONS	V2.0 NEWSLETTERS	20	DONE	12/15/2002
MCMULLIN, JOE	211.31	USABILITY I	SD BENCHMARKS	80	INC	12/15/2002
GARWOOD, BOB	157	SCIENTIFIC COMP	ENHANCE AVER TASK FOR IMPROVED WEIGHT	40	DONE	12/15/2002
MOELLENBROCK, GEORGE	136.61	SCIENTIFIC COMP	HIGH FREQ CAL I: PA	60	DONE	12/15/2002
MOELLENBROCK, GEORGE	182	SCIENTIFIC COMP	PACKAGE IMAGE-PLANE CONTINUUM SUB	40	INC	12/15/2002
BHATNAGAR, SANJAY	211.12	USABILITY I	ADD EQUIVALENT AIPS SCRIPTS TO BENCHMA	40	DONE	12/15/2002
BHATNAGAR, SANJAY	213.4/213.3	USABILITY I	IMPLEMENT ADAPTIVE MEMORY USE	80	INC	12/15/2002
YOUNG, WES	214.1	USABILITY I	INTEL C++ COMPILER PORT	120	DONE	12/15/2002
SCHIEBEL, DARRELL	221.13	USABILITY I	TAB WIDGET	80	INC	12/15/2002
SCHIEBEL, DARRELL	222.1	USABILITY I	GLISH SSH AUTHENTICATION	160	INC	12/15/2002
SCHIEBEL, DARRELL	222.2	USABILITY I	UNINITIALIZED SET TO <FAIL>,CLI FLAG	80	INC	12/15/2002
KING, DAVID	233.1	USABILITY I	COMPLETE MSASRASTER	250	INC	12/15/2002
YOUNG, WES	412	OPERATIONS	COMPLETE GCC 3.* MIGRATION	160	DONE	12/15/2002
YOUNG, WES	414	OPERATIONS	AUPDATE DISTRIBUTIONS	60	DONE	12/15/2002
RUSK, RAYMOND	512	ALMA	PERFORMANCE PROFILING OF ALMA-TI FILLE	80	DONE	12/15/2002
GARWOOD, BOB	292	USABILITY I	DISH ASSAY FUNCTIONS	80	DONE	12/15/2002
BRAATZ, JIM	271	USABILITY I	IPS: SUPPORT ABCISSA RANGES	80	DONE	12/15/2002
MCMULLIN, JOE	153/152	SCIENTIFIC COMP	BEAM SWITCHED CALIB REFINEMENTS	20	INC	1/15/2003
MCMULLIN, JOE	171/152,172	SCIENTIFIC COMP	BEAM-SWITCHED IMAGING	40	INC	1/15/2003
CORNWELL, TIM	161/162	SCIENTIFIC COMP	JOINT SD/INT CALIBRATION SCALING	80	INC	1/15/2003
CORNWELL, TIM	162	SCIENTIFIC COMP	FULL JOINT SD/INT DECONVOLUTION	80	INC	1/15/2003

BHATNAGAR, SANJAY	172	SCIENTIFIC COMP	MULTI-BEAM IMAGING	120	INC	1/15/2003
SCHIEBEL, DARRELL	213.22	USABILITY I	SYSTEM.RESOURCES.MEMORY AIPSRC CHANGE	60	INC	1/15/2003
SCHIEBEL, DARRELL	221.14	USABILITY I	TECHNICAL EVALUATION FOR GLISH PLANNIN	80	INC	1/15/2003
KING, DAVID	233.2	USABILITY I	INTERACTIVE EDITING	250	INC	1/15/2003
SCHIEBEL, DARRELL	252	USABILITY I	AIPS++ CACHE MANAGEMENT UTILITIES	40	INC	1/15/2003
YOUNG, WES	413	OPERATIONS	LINUX PURIFYPLUS EVALUATION	80	INC	1/15/2003
YOUNG, WES	415	OPERATIONS	SYSTEM ADMINISTRATORS GUIDE	40	INC	1/15/2003
GOLAP, KUMAR	119.1	SCIENTIFIC COMP	MSCONCAT: WORKS FOR ALL SUBTABLES	40	INC	1/15/2003
MOELLENBROCK, GEORGE	131.62	SCIENTIFIC COMP	HIGH FREQ CAL II:GAIN, ANT POS, OPACIT	20	INC	1/15/2003
MOELLENBROCK, GEORGE	120	SCIENTIFIC COMP	MS TOOL IMPROVEMENTS DESIGN	80	INC	1/15/2003
RUSK, RAYMOND	119.2	SCIENTIFIC COMP	INVEST. UVFITS RESTRICTION ON MSCONCAT	80	INC	1/15/2003
GOLAP, KUMAR	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW	80	INC	1/15/2003
MCMULLIN, JOE	680	MANAGEMENT	PREPARATION FOR TECHNICAL REVIEW	80	INC	1/15/2003
GARWOOD, BOB	111.15	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT BS DATA	40	INC	1/15/2003
GARWOOD, BOB	111.16	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT MULTI-BEAM DATA	40	INC	1/15/2003
BRAATZ, JIM	153/152	SCIENTIFIC COMP	BS CALIBRATION REFINEMENTS	40	INC	1/15/2003
GOSCHA, DANIEL	113.1	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE/FIXED TSM	80	INC	1/15/2003
GOSCHA, DANIEL	113.2	SCIENTIFIC COMP	MSCONCAT:SUPPORT VARIABLE SHAPE SW	120	INC	1/15/2003
MCMULLIN, JOE	152.4	SCIENTIFIC COMP	MIGRATE GLISH ACCESS UTILTIES	40	INC	2/15/2003
MCMULLIN, JOE	155/151	SCIENTIFIC COMP	MULTI-IF GLISH CALIBRATION	40	INC	2/15/2003
GOSCHA, DANIEL	116.1	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN MS2ARCHIVE	120	INC	2/15/2003
GOSCHA, DANIEL	116.2	SCIENTIFIC COMP	VARIABLE SHAPED SPW IN ARCHIVE2MS	120	INC	2/15/2003
MOELLENBROCK, GEORGE	121	SCIENTIFIC COMP	FLAG SCOPE:FLAG BASED ON AVERAGE	80	INC	2/15/2003
MOELLENBROCK, GEORGE	131.81	SCIENTIFIC COMP	AUTO REJECT OF SOLUTIONS BELOW SNR LIM	40	INC	2/15/2003
MOELLENBROCK, GEORGE	131.82	SCIENTIFIC COMP	REJECT INTERVALS WITH INSUFFICIENT DAT	20	INC	2/15/2003
GOLAP, KUMAR	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS	60	INC	2/15/2003
SCHIEBEL, DARRELL	221.21	USABILITY I	COMBOBOX MEGA-WIDGET	40	INC	2/15/2003
SCHIEBEL, DARRELL	222.3	USABILITY I	REFERENCE COUNTING DEFECTS	80	INC	2/15/2003
YOUNG, WES	256	USABILITY I	EXPLORE NSF FILE LOCKING PROBLEM	20	INC	2/15/2003
GARWOOD, BOB	111.20	SCIENTIFIC COMP	GBTMSFILLER: DOCUMENT	40	INC	2/15/2003
MCMULLIN, JOE	159	SCIENTIFIC COMP	GBTMS AVERAGE/DECIMATE ROUTINES	40	INC	2/15/2003
BHATNAGAR, SANJAY	143	SCIENTIFIC COMP	SPECTRAL-LINE VELOCITY IMAGING ACROSS	60	INC	2/15/2003
GARWOOD, BOB	111.14	SCIENTIFIC COMP	GBTMSFILLER: SUPPORT WEIGHT SPECTRUM	40	INC	2/15/2003
BRAATZ, JIM	111.24	SCIENTIFIC COMP	IARDS: DISPLAY 1 SPECTRUM/SPW	40	INC	2/15/2003
BRAATZ, JIM	111.22	SCIENTIFIC COMP	IARDS: APPEND TO ONE MS	40	INC	2/15/2003
MCMULLIN, JOE	416	OPERATIONS	RELEASE PREP V2.0	40	INC	3/30/2003
MCMULLIN, JOE	430	OPERATIONS	DEFECT CORRECTIONS/USER SUPPORT	360	INC	3/30/2003
MCMULLIN, JOE	610	MANAGEMENT	GENERAL PROJECT MANAGEMENT	240	INC	3/30/2003
WIERINGA, MARK	114.3/114.1	SCIENTIFIC COMP	MSGAIN ACCESS CLASSES	40	INC	3/30/2003
GOSCHA, DANIEL	118.1	SCIENTIFIC COMP	HISTORY PROPAGATION:DESIGN PROPOSAL	120	INC	3/30/2003

MOELLENBROCK, GEORGE	122	SCIENTIFIC COMP	FLAG UNDO CAPABILITY USING FLAG_CATEGO	120	INC	3/30/2003
KEMBALL, ATHOL	131.2	SCIENTIFIC COMP	INTERPOLATION	80	INC	3/30/2003
KEMBALL, ATHOL	131.3	SCIENTIFIC COMP	GJONES INCREMENTAL CALIBRATION	80	INC	3/30/2003
BROUW, WIM	131.9	SCIENTIFIC COMP	A PRIORI GEOMETRY CORRECTIONS	80	INC	3/30/2003
TEUBEN, PETER	183	SCIENTIFIC COMP	ROTATION CURVE VELOCITY FITTER	160	INC	3/30/2003
BROUW, WIM	184	SCIENTIFIC COMP	SUPPORT IAU PRECESSION AND NUTATION	80	INC	3/30/2003
WIERINGA, MARK	192	SCIENTIFIC COMP	ATCAFILLER:SUPPORT DOPPLER SUBTABLE	20	INC	3/30/2003
WIERINGA, MARK	193	SCIENTIFIC COMP	ATCA TEST SCRIPTS	80	INC	3/30/2003
GOSCHA, DANIEL	110.11	SCIENTIFIC COMP	TIME-DEP SOURCE MODEL IN MIRFILLER	150	INC	3/30/2003
MEHRINGER, DAVE	110.21	SCIENTIFIC COMP	BIMA-SPECIFIC SUB-TABLE DEFINITION	80	INC	3/30/2003
MEHRINGER, DAVE	110.22	SCIENTIFIC COMP	CONVERT TO CAL TABLE TO APPLY	100	INC	3/30/2003
MEHRINGER, DAVE	110.3	SCIENTIFIC COMP	MS AVERAGING: BIMA STOKES AVERAGING	100	INC	3/30/2003
SARMA, ANUJ	211.13	USABILITY I	ADD EQUIVALENT MIRIAD SCRIPTS TO BENCH	12	INC	3/30/2003
VANDIEPEN, GER	212.21	USABILITY I	COPY OPTIMIZATION IN TSMCUBE	24	INC	3/30/2003
CORTES, PAULO	212.3	USABILITY I	PABLO I/O PROFILING	80	INC	3/30/2003
VANDIEPEN, GER	212.5	USABILITY I	PARALLEL I/O IMPLEMENTATION	20	INC	3/30/2003
BHATNAGAR, SANJAY	214.2	USABILITY I	PROFILE UHFFT AND FFTW	40	INC	3/30/2003
BHATNAGAR, SANJAY	215.2	USABILITY I	IMAGER.SETJY() OPTIMIZATION	40	INC	3/30/2003
CORTES, PAULO	216.3	USABILITY I	KEY SCIENCE PROCESSING:IA64: M33	80	INC	3/30/2003
CORTES, PAULO	216.4	USABILITY I	KEY SCIENCE PROCESSING:IA64: GC	80	INC	3/30/2003
WIERINGA, MARK	219.1	USABILITY I	IMAGING OPT FOR LARGE-POINTING MOSAICS	120	INC	3/30/2003
MEHRINGER, DAVE	211.01	USABILTIY I	OPTIMIZATION OF LARGE SPECTRAL LINE MO	100	INC	3/30/2003
SCHIEBEL, DARRELL	221.11	USABILITY I	COMPLETE DYNAMIC MODULE LOADING IN GLI	120	INC	3/30/2003
SCHIEBEL, DARRELL	221.122	USABILITY I	AUTOGUI PANEL WIDGET	120	INC	3/30/2003
MARQUARDING, MALTE	231.1	USABILITY I	PROFILE VIEWER PERFORMANCE	40	INC	3/30/2003
MARQUARDING, MALTE	231.2	USABILITIY I	OPTIMIZE VIEWER PERFORMANCE	40	INC	3/30/2003
MARQUARDING, MALTE	231.3	USABILITY I	BLINKING OF CONFORMANT IMAGES	80	INC	3/30/2003
MARQUARDING, MALTE	231.5	USABILITY I	IMPROVE VIEWER SCRIPTING POSSIBILITIES	20	INC	3/30/2003
BROUW, WIM	231.61	USABILITY I	IMAGE RE-GRIDDER OPTIMIZATION	160	DONE	3/30/2003
BROUW, WIM	231.62	USABILITY I	COORDINATES CREATOR CLASS	130	INC	3/30/2003
MARQUARDING, MALTE	231.63	USABILITY I	GLISH SUPPORT FOR NEW DD	80	INC	3/30/2003
MARQUARDING, MALTE	231.64	USABILITY I	ZOOM OUT IN WORLD COORDINATES	80	DONE	3/30/2003
MARQUARDING, MALTE	231.65	USABILITY I	WCHOLDER INTEGRATION	80	INC	3/30/2003
MARQUARDING, MALTE	231.66	USABILITY I	ANIMATOR INTEGRATION	80	INC	3/30/2003
MARQUARDING, MALTE	231.67	USABILITY I	PANELDISPLAY INTEGRATION	80	INC	3/30/2003
MARQUARDING, MALTE	231.68	USABILITY I	WORLDAXIS DD'S	40	INC	3/30/2003
MARQUARDING, MALTE	231.69	USABILITY I	PASSIVEDD AND DRAWINGDD INTEGRATION	40	INC	3/30/2003
MARQUARDING, MALTE	231.610	USABILITY I	LATTICE*DD MIGRATION TO CACHING DD	80	INC	3/30/2003
MARQUARDING, MALTE	231.611	USABILITY I	VOLUME RENDERING CLIENT (SWINBURNE)	40	INC	3/30/2003
KING, DAVID	233.3	USABILITY I	COMPLETE MSASXY	250	INC	3/30/2003

KING, DAVID	233.4	USABILITY I	DEPLOY UVDD IN VIEWER AND MSPLOT	250	INC	3/30/2003
PLANTE, RAY	243	USABILITY I	REEDIT OF GETTING STARTED	80	INC	3/30/2003
VANDIEPEN, GER	251	USABILITY I	RECOMMENDATION ON LOCKING POLICIES	40	INC	3/30/2003
PLANTE, RAY	253	USABILITY I	COMPLETE ANALYTIC ERRORS IN SIMULATOR	80	INC	3/30/2003
KEMBALL, ATHOL	261.2	USABILITY I	UNIFY SELECTION INTERFACE ACROSS TOOLS	80	INC	3/30/2003
BROUW, WIM	264	USABILITY I	IMPROVE GLISH FITTING INTERFACE	40	INC	3/30/2003
BROUW, WIM	265	USABILITY I	ADD UVW-MACHINE TO MEASURES.G	40	DONE	3/30/2003
PLANTE, RAY	282	USABILITY I	GAINPOLYFITTER ENHANCEMENT	40	INC	3/30/2003
TEUBEN, PETER	284	USABILTY I	SUPPORT MASKING IN MIRIAD IMAGE	240	INC	3/30/2003
MEHRINGER, DAVE	285	USABILITY I	MIGRATE BIMA COOKBOOK TO AIPS++ CB	120	INC	3/30/2003
YOUNG, WES	411	OPERATIONS	BUILD ADMINISTRATION	320	INC	3/30/2003
YOUNG, WES	416	OPERATIONS	RELEASE PREPARATION V2.0	80	INC	3/30/2003
VANDIEPEN, GER	430	OPERATIONS	DEFECT CORR/USER SUPPORT	80	INC	3/30/2003
SMIRNOV, OLEG	430	OPERATIONS	DEFECT CORR/USER SUPPORT	80	INC	3/30/2003
WIERINGA, MARK	430	OPERATIONS	DEFECT CORR/USER SUPPORT	128	INC	3/30/2003
MARQUARDING, MALTE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
BROUW, WIM	430	OPERATIONS	DEFECT CORR/USER SUPPORT	212	INC	3/30/2003
MEHRINGER, DAVE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	212	INC	3/30/2003
PLANTE, RAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT	128	INC	3/30/2003
GOSCHA, DANIEL	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
SCHIEBEL, DARRELL	430	OPERATIONS	DEFECT CORR/USER SUPPORT	460	INC	3/30/2003
KING, DAVID	430	OPERATIONS	DEFECT CORR/USER SUPPORT	400	INC	3/30/2003
MOELLENBROCK, GEORGE	430	OPERATIONS	DEFECT CORR/USER SUPPORT	320	INC	3/30/2003
YOUNG, WES	430	OPERATIONS	DEFECT CORR/USER SUPPORT	520	INC	3/30/2003
BHATNAGAR, SANJAY	430	OPERATIONS	DEFECT CORR/USER SUPPORT	430	INC	3/30/2003
GOLAP, KUMAR	430	OPERATIONS	DEFECT CORR/USER SUPPORT	380	INC	3/30/2003
GOLAP, KUMAR	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION	360	INC	3/30/2003
MCCONNELL, DAVE	630	MANAGEMENT	ATNF SITE MANAGEMENT	80	INC	3/30/2003
PLANTE, RAY	640	MANAGEMENT	BIMA SITE MANAGEMENT	80	INC	3/30/2003
NOORDAM, JAN	650	MANAGEMENT	ASTRON SITE MANAGEMENT	80	INC	3/30/2003
NOBLE, ROGER	660	MANAGEMENT	NRAL SITE MANAGEMENT	40	INC	3/30/2003
RUSK, RAYMOND	513	ALMA	ID AND IMPLEMENT OPTIMIZATION OF ALMAT	80	DONE	3/30/2003
RUSK, RAYMOND	514	ALMA	ADD ALMATI2MS TO AIPS++ BENCHMARKS	80	DONE	3/30/2003
RUSK, RAYMOND	515	ALMA	PROFILE THE ALMA/IRAM SOLVERS G/BJONES	80	INC	3/30/2003
RUSK, RAYMOND	516	ALMA	ID/IMPLEMENT OPTIMIZATION FOR A/I SOLV	80	INC	3/30/2003
RUSK, RAYMOND	517	ALMA	ADD IRAM/ALMA SOLVERS TO BENCHMARKS	80	INC	3/30/2003
GARWOOD, BOB	670	MANAGEMENT	QAG DEVELOPMENT	80	INC	3/30/2003
GOLAP, KUMAR	620	MANAGEMENT	NRAO SITE MANAGEMENT	80	INC	3/30/2003
MCMULLIN, JOE	158	SCIENTIFIC COMP	SUPPORT NEW GBT OBSERVING MODES	80	INC	3/30/2003
MOELLENBROCK, GEORGE	418	OPERATIONS	OPERATIONS LEAD	80	INC	3/30/2003

GARWOOD, BOB	111.30	SCIENTIFIC COMP	FLAT TABLE->MS CONVERTER	80	INC	3/30/2003
RUSK, RAYMOND	511	ALMA	COMPLETE IRAMCALIBRATER INTEGRATION	80	INC	3/30/2003
GARWOOD, BOB	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT	450	INC	3/30/2003
BRAATZ, JIM	430	OPERATIONS	DEFECT CORRECTION/USER SUPPORT	530	INC	3/30/2003
BRAATZ, JIM	294	USABILITY I	GBT OBSERVERS DOC MAINTENANCE	80	INC	3/30/2003
BRAATZ, JIM	111.25	SCIENTIFIC COMP	IARDS:ALL AUXILLIARY CAL DISPLAYS	80	INC	3/30/2003
BRAATZ, JIM	111.18	SCIENTIFIC COMP	GBTMSFILLER: TEST HOLOGRAPHY MODE	40	INC	3/30/2003
KEMBALL, ATHOL	111	SCIENTIFIC COMP	IMPLEMENT MS CALIBRATION SETS	120	INC	3/30/2003