

ID	Require.	PGS	Task Name	Duration
50			General defect resolutions/enhancements/docs	1097 days
72	Infra	Infra	Multiple spectral window imaging	44 days
	<u>Notes</u>			
	Target Status: Complete Target Info: imager.setdata Requirement Status: Infra Requirement Info: Needed for all test cases. Heterogeneous spectral windows are standard for millimeter arrays and will be ALMA.			
75	1.1-4	1-U	Conclude Phase III testing	44 days
	<u>Notes</u>			
	Target Status: Complete Target Information: ALMA Memo 474 Requirement Status: 1.1-4::Incomplete Requirement Info: The performance of the package shall be quantifiable and commensurate with the data processing requirements of ALMA output and the scientific needs of the users at a given time. The timing and reproducibility of results for a fiducial set o reduction tasks on specified test data will be benchmarked and compared against other packages and a list of benchmark specifications provided and maintained by the Project.			
93	3.1-20.1-5	1:3-A:l:l:h	MS concat/split capability	43 days
	<u>Notes</u>			
	Target Status: Incomplete Target Info: ms.split Requirement Status: 3.1-20::Incomplete Requirement Info: Merging and splitting of data sets is needed. 3.1-20.3 The merging and splitting process including selection of data to be merged (e.g., merging of frequency channels which may be differently labeled) will be available. Currently concatenation of MSs is still difficult (through ms.concatenate - which goes through FITS first). 3.1-20.5 The appropriate calibration and ancillary monitoring data for the merged or split data (e.g. keeping only the data relevant to sources split out) will be preserved. Current splitting does not deal with subtables completely.			
100	4.2-2	1-N-high	vlfiller enhancements	43 days
	<u>Notes</u>			
	Target Status: Postponed Target Info: Add ability to load monitor data into MS Requirement Status: 4.2-2::Incomplete Requirement Info: Package shall be able to predict the absorption, emission, and path length on the line of sight through the atmosphere at all ALMA bands using the model.			
119	3.1-20.1-5	1:3-A:l:l:h	MS concat/split capability	43 days
	<u>Notes</u>			
	Target Status: Complete/SS3 Target Info: ms.concat,ms.split Requirement Status: 3.1-20::complete Requirement Info: Merging and splitting of data sets is needed. 3.1-20.3 The merging and splitting process including selection of data to be merged (e.g., merging of frequency channels which may be differently labeled) will be available. Currently concatenation of MSs is still difficult (through ms.concatenate - which goes through FITS first). 3.1-20.5 The appropriate calibration and ancillary monitoring data for the merged or split data (e.g. keeping only the data relevant to sources split out) will be preserved. Current splitting does not deal with subtables completely.			
131	7.3-2	1-l-med	Data selection improvements - proposal	43 days
	<u>Notes</u>			
	Target Status: Complete/SS3 Target Info: Data selection parameters will use user-level names (antenna names, polarization names, etc). Non-uniformity of selection across tools must be resolved. Selection			

ID	Require.	PGS	Task Name	Duration
"Data selection improvements - proposal" continued				
<u>Notes</u> design for ms tool might be needed. http://almasw.hq.eso.org/almasw/bin/view/OFFLINE/DataSelection Requirement Status: NA				
137	7.3-2	1-I-med	Data selection improvements	34 days
<u>Notes</u> Proposal done. Target Status: Incomplete Target Info: Implementation requires thorough design in MS. Postponed. Requirement Status: 7.3-2::Incomplete Requirement Info: Data selection parameters will use user-level names (antenna names, polarization names, etc). Non-uniformity of selection across tools must be resolved. Selection design for ms tool might be needed.				
146	1.2-2	Rob	ALMA TST1 Preparation	34 days
<u>Notes</u> Target Status: Complete/SS4 Target Info: H121: Sanjay, George, Debra, G192: Kumar, Joe, Walter, Bob L102D: Kumar, George, Steve N7538: Joe, Raymond, Ed, Bob 1. TST1, jan04 - SINGLE FIELD Single-field, no single dish Bandwidth = 256 channels or less, Integration time 10 seconds or less, 5-27 antennas Line and continuum imaging Line requires continuum subtraction. Self-calibration should be possible for bright sources. Possible science: ----- 1 mm: PdBI 13CO(2-1) + thermal continuum				

ID	Require.	PGS	Task Name	Duration
"ALMA TST1 Preparation" continued				
<u>Notes</u>				
3 mm: PdBI multiple lines in same sideband + thermal cont.				
7 mm: VLA C2S(4,3-3,2) + thermal continuum				
1.3cm: VLA NH3(1,1) + thermal continuum				
1.3cm: VLA H2O masers + continuum				
Testing Focus:				

Functionality: editing (manual editing using msplot), data reduction, deconvolution				
Lower Priority (not available or problems may not be fixed): -----				
Automatic editing using heuristics to identify bad data User interface (GUI and glish command line scripting - if it works, that is adequate at this point.) Pointing, Tsys, Weather info to identify bad data (may be available for PdBI data but not for OVRO, BIMA, or VLA data). Polarization for PdBI data (only VLA can do polarization). Editing based on plot of calibrator solutions displayed with calibrator and source uv data. Automatic identification of spectral lines (for uv continuum subtraction). Analysis functions not already included in the package. Generation of publication-quality figure.				
158	7.3-2	1-I-med	Data selection improvements	41 days
<u>Notes</u>				
Data selection parameters will use user-level names (antenna names, polarization names, etc). Non-uniformity of selection across tools must be resolved. Selection design for ms tool might be needed.				
165	1.2-2	Rob	ALMA TST1 Support	41 days
<u>Notes</u>				
Target Status: Complete/SS5				
Target Info: Support ALMA testers				
Requirement Status: 1.1-2::Incomplete				
Requirement Info: All standard observing modes supported by ALMA must be processable by the package.				
1. TST1, jan04 - SINGLE FIELD				
Single-field, no single dish				
Bandwidth = 256 channels or less, Integration time 10 seconds or less, 5-27 antennas Line and continuum imaging Line requires continuum subtraction. Self-calibration should be possible for bright sources.				

ID	Require.	PGS	Task Name	Duration
"ALMA TST1 Support" continued				
<u>Notes</u>				
Possible science:				

1 mm: PdBI 13CO(2-1) + thermal continuum				
3 mm: PdBI C18O(1-0) + thermal continuum				
3 mm: PdBI multiple lines in same sideband + thermal cont.				
7 mm: VLA C2S(4,3-3,2) + thermal continuum				
1.3cm: VLA NH3(1,1) + thermal continuum				
1.3cm: VLA H2O masers + continuum				
Testing Focus:				

Functionality: editing (manual editing using msplot), data reduction, deconvolution				
Lower Priority (not available or problems may not be fixed): -----				
Automatic editing using heuristics to identify bad data User interface (GUI and glish command line scripting - if it works, that is adequate at this point.) Pointing, Tsys, Weather info to identify bad data (may be available for PdBI data but not for OVRO, BIMA, or VLA data). Polarization for PdBI data (only VLA can do polarization). Editing based on plot of calibrator solutions displayed with calibrator and source uv data. Automatic identification of spectral lines (for uv continuum subtraction). Analysis functions not already included in the package. Generation of publication-quality figure.				
170	1.1-4,3.2-5	,2-l-med	imager: investigate OTF scratch column use	41 days
<u>Notes</u>				
Target Status: Complete/SS5 Target Info: Scope/design means of limiting data bloat/performance issues in file I/O for imager. http://aips2.nrao.edu/projectoffice/imager_scratch.txt Requirement Status: 1.1-4::Incomplete, 3.2-5::Incomplete Requirement Info: Performance and Data bloat (can't be more than 1.5x raw data format).				
177	4.4-2	1-l-med	SD imaging improvements	44 days
<u>Notes</u>				
Target Status: Complete Target Info: Add capability to choose convolving beam size in imager (P1 User request) Requirement Status: 4.4-2::Incomplete Requirement Info: De-stripping and adjustment of scan normalization factors for OTF with overlapping/crossing scans.				

ID	Require.	PGS	Task Name	Duration
"SD imaging improvements" continued				
			<u>Notes</u> Need to bundle Fourier filtering technique into a higher level tool. Enable more complex scanning patterns to be supported (e.g., basket-weaving).	
187	3.1-17	1-I-med	Develop history classes	44 days
			<u>Notes</u> Target Status: Complete Target Info: Prototype history recording using imager. Develop MS classes for all applications. Requirement Status: 3.1-17::Incomplete Requirement Info: Comprehensive and understandable processing history information for the data must be maintained and exportable (both as tables and as plain text).	
195	1.1-4	1-U	Implement OTF Scratch column use	44 days
			<u>Notes</u> Target Status: Complete/SS5 Target Info: Scope/design means of limiting data bloat/performance issues in file I/O for imager. http://aips2.nrao.edu/projectoffice/imager_scratch.txt imager.setoptions(usemodelcol argument) for OTF use of this. Requirement Status: 1.1-4::Incomplete, 3.2-5::Incomplete Requirement Info: Performance and Data bloat (can't be more than 1.5x raw data format).	
203			ALMA CDR2	3 days
			<u>Notes</u> Target Status: Incomplete Target Info: Offline Plan and Design due Jun 01; ALMA CDR2 Jul 6-10 (Boulder) Requirement Status: NA	
217	1.1-4	1-U	Mosaic performance enhancements	40 days
			<u>Notes</u> Target Status: Complete/SS6 Target Info: Merge qimager, imager, add w-projection. Demonstrate improvements in comparison with performance on ATCA HI dataset (Benchmark 4). Requirement Status: 1.1-4::Incomplete Requirement Info: Performance	
219	1.2-2	Rob	VLA Summer School Support	40 days
			<u>Notes</u> Target Status: Incomplete Target Info: 1) Test script and cookbook for U Cam dataset (May 24- May 30) 2) Lead students through data reduction tutorial on June 21st Requirement Status: NA	
220	1.2-2	Rob	ALMA TST2 Preparation	10.75 days
			<u>Notes</u> Target Status: Incomplete Target Info: 1) Use/comment on cookbook, 2) Reduce NGC 1333 data and provide reduction script for that dataset. Data is located at: /home/ballista2/jmcmulli/ALMATST2/Data Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.	

ID	Require.	PGS	Task Name	Duration
"ALMA TST2 Preparation" continued				
<u>Notes</u>				
TST2, jul04 - SMALL MULTI-FIELD				
Single-field, no single dish (defined in TST1)				
*** PLUS: Small multi-field mosaic imaging, no single dish				
Bandwidth = 256 channels or less, Integration time less than 10 seconds				
5-27 antennas				
Line and continuum imaging				
Line requires continuum subtraction.				
Self-calibration should be possible for bright sources.				
Testing Focus: -----				
Functionality: editing (including automatic editing using heuristics to identify bad data), data reduction, deconvolution, mosaic-specific functions in reduction and imaging.				
Lower Priority (not available or problems may not be fixed):				

User interface (GUI and glish command line scripting - if it works, that is adequate at this point.) Pointing, Tsys, Weather info to identify bad data (may be available for PdBI data but not for OVRO, BIMA, or VLA data). Polarization for PdBI data (only VLA can do polarization). Editing based on plot of calibrator solutions displayed with calibrator and source uv data. Automatic identification of spectral lines (for uv continuum subtraction). Analysis functions not already included in the package. Generation of publication-quality figures.				
233	5.3-2	1-I-high	Imaging/mosaicing: polarized primary beam correction	41 days
<u>Notes</u>				
Target Status: Incomplete				
Target Info: Imaging polarized primary beam				
Requirement Status: 1::incomplete				
Requirement Info: Careful polarized primary beam correction and pointing correction is needed for high fidelity mosaic imaging.				
The primary beam correction must take into account the OTF scanning - not defined.				
ALMA standard beam images should be available and distributed to the package - not defined.				
Tim's EVLA memo.				
The primary beam correction must also take into account the effect of OTF scanning.				
235	4.4-2	1-I-med	SD Imaging: Destriping	41 days
<u>Notes</u>				
Target Status: Complete				

ID	Require.	PGS	Task Name	Duration
"SD Imaging: Destriping" continued				
<u>Notes</u> Target Info: De-stripping (prototyped with K. Dyer) and support for complex scanning patterns. Requirement Status: 4.4-2::Incomplete Requirement Info: De-stripping and adjustment of scan normalization factors for OTF with overlapping/crossing scans. Need to bundle Fourier filtering technique into a higher level tool. Enable more complex scanning patterns to be supported (e.g., basket-weaving).				
236	4.2-2	1-N-high	vlfiller enhancements	41 days
<u>Notes</u> Target Status: Postponed Target Info: Add ability to load monitor data into MS Requirement Status: 4.2-2::Incomplete Requirement Info: Package shall be able to predict the absorption, emission, and path length on the line of sight through the atmosphere at all ALMA bands using the model.				
249	1.2-2	*	ALMA TST2 Support	41 days
<u>Notes</u> Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.				
TST2, jul04 - SMALL MULTI-FIELD Single-field, no single dish (defined in TST1) *** PLUS: Small multi-field mosaic imaging, no single dish Bandwidth = 256 channels or less, Integration time less than 10 seconds 5-27 antennas Line and continuum imaging Line requires continuum subtraction. Self-calibration should be possible for bright sources. Testing Focus: ----- Functionality: editing (including automatic editing using heuristics to identify bad data), data reduction, deconvolution, mosaic-specific functions in reduction and imaging. Lower Priority (not available or problems may not be fixed): -----				

ID	Require.	PGS	Task Name	Duration
"ALMA TST2 Support" continued				
<u>Notes</u>				
User interface (GUI and glish command line scripting - if it works, that is adequate at this point.) Pointing, Tsys, Weather info to identify bad data (may be available for PdBI data but not for OVRO, BIMA, or VLA data). Polarization for PdBI data (only VLA can do polarization). Editing based on plot of calibrator solutions displayed with calibrator and source uv data. Automatic identification of spectral lines (for uv continuum subtraction). Analysis functions not already included in the package. Generation of publication-quality figures.				
256			Refactor: Tools use general MS selection	43 days
280	4.2-4	1-l-high	Atmospheric modelling	43 days
<u>Notes</u>				
Target Status: Incomplete				
Target Info: Use ATM libraries to implement most of this.				
Requirement Status: 4.2-1-4::Incomplete				
Requirement Info:				
Atmospheric modelling shall be available.				
The package should predict the absorption, emission and path length on the line of sight using the model.				
Atmospheric modeling will be used to derive the antenna temperatures corrected for atmospheric absorption (to correct for elevation)				
Atmospheric modeling will provide conversions between WVR data and the water contribution to astronomical phase in the band. Necessary for dealing with VLA WVR data also.				
291	1.1-2		* Preparation for ALMA TST3	43 days
<u>Notes</u>				
Target Status: Incomplete				
Target Info: ALMA TST3				
Requirement Status: NA				
TST3, jan05 - SINGLE & SMALL MULTI-FIELD+SINGLE DISH COMBO				
Single-field, no single dish (defined in TST1), Small multi-field mosaic imaging, no single dish (defined in TST2) *** PLUS: Single-field or small mosaic, WITH (and without) single dish (add single dish image information during deconvolution).				
Bandwidth = 256 channels or less, Integration time less than 10 seconds				
5-27 antennas				
Line and continuum imaging				
Line requires continuum subtraction.				
Self-calibration should be possible for bright sources				
Possible science: -----				
1 mm: IRAM30m+PdBI/OVRO/BIMA 13CO(2-1) + thermal continuum 3 mm: IRAM30m+PdBI/OVRO/BIMA HCO+(1-0) + thermal continuum 7 mm: IRAM30m/GBT(OTF)+VLA SiO(1-0) + thermal continuum 1.3cm: IRAM30m/GBT(multifld)+VLA NH3(1,1) + thermal continuum				

ID	Require.	PGS	Task Name	Duration
"Preparation for ALMA TST3" continued				
<u>Notes</u>				
Testing Focus: -----				
Functionality: editing (including automatic editing using heuristics to identify bad data), data reduction, deconvolution Spot check user interface developments, if available Spectral line and continuum Analysis functions SD+interferometer uv-combination and imaging.				
Lower Priority (not available or problems may not be fixed): -----				
Pointing, Tsys, Weather info to identify bad data (may be available for PdBI data but not for OVRO, BIMA, or VLA data). Polarization for PdBI data (only VLA can do polarization). Editing based on plot of calibrator solutions displayed with calibrator and source uv data. Automatic identification of spectral lines (for uv continuum subtraction). Generation of publication-quality figures.				
Focus on combination of SD/interferometric data				
294	4.2-4	1-I-high	Atmospheric modelling	42 days
<u>Notes</u>				
Target Status: Incomplete				
Target Info: Use ATM libraries to implement most of this.				
Requirement Status: 4.2-1-4::Incomplete				
Requirement Info:				
Atmospheric modelling shall be available.				
The package should predict the absorption, emission and path length on the line of sight using the model.				
Atmospheric modeling will be used to derive the antenna temperatures corrected for atmospheric absorption (to correct for elevation)				
Atmospheric modeling will provide conversions between WVR data and the water contribution to astronomical phase in the band. Necessary for dealing with VLA WVR data also.				
306	1.1-2	1-U	ALMA TST3 support	42 days
313	7.4-1.1	1-I-high	msplot: amplitude versus az/el	42 days
<u>Notes</u>				
Ability to plot standard ALMA-format ancillary data including: amplitude or single-dish power versus az,el (this can't be done from either the msplot or viewer tools).				
315	5.1-6	2-I-med	Multiple data sets supported in each tool	42 days
<u>Notes</u>				
Multiple data sets shall be supported directly in the tools rather than requiring concatenation.				
327	1.1-2	*	ALMA TST4 Preparation	42 days
331	6.1-2.2	1-I-high	Baseline fitting based on image statistics	43 days
<u>Notes</u>				
Spectral and scanning baseline removal facility based on image statistics (e.g. median filtering)				
339	1.1-2	*	Preparation for ALMA TST4	43 days
<u>Notes</u>				
Target Status: Incomplete				
Target Info: Support Tests				
Requirement Status: 1.1-2				
Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.				

ID	Require.	PGS	Task Name	Duration
"Preparation for ALMA TST4" continued				
<u>Notes</u>				
TST4, aug05 -				
349	6.3-9.11.x	1-l-med	Fitting of models, shapes and profiles over a region	43 days
<u>Notes</u>				
Need exponentials - not in image tool - should add to image.fitsky Need Fourier modes - same as above Need uniform (multi-d) spheres. Need trigonometric functions. Need Lorentz profiles.				
These may be done through functionals and fitting.				
352	4.2-2.3	2-N-low	Data from site test interferometer	43 days
<u>Notes</u>				
Ability to predict atmospheric calibration based on data from the site test interferometer or tipping radiometer.				
356	1.1-2	*	ALMA TST4 Support	43 days
<u>Notes</u>				
Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.				
TST4, aug05 -				
364			SD Package	43 days
371	1.1-4	1-U	Profile SD operations	43 days
380	1.1-2	*	SD Package	43 days
382	1.1-4	1-U	SD operation improvements (imaging, calibration)	43 days
384	1.1-2	*	Preparation for ALMA TST5	43 days
<u>Notes</u>				
Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.				
TST5, feb06 -				

ID	Require.	PGS	Task Name	Duration
393	4.5-1	1-U	Image models: optically thin disk, wavelets, pixons	43 days
	<u>Notes</u>			
	Target Status: Incomplete Target Info: Pointing,Polarization corrections on primary beam.Needed for good mosaicing. Requirement Status: 4.5-1::Incomplete Requirement Info: Determination and correction for pointing offsets and the polarized primary beam is critical to the ability to reliably mosaic using ALMA.			
398	1.1-2	*	ALMA TST5 Support	43 days
	<u>Notes</u>			
	Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.			
	TST5, feb06 -			
406	5.1-3.9	2-I-high	Imager: uv-plane modelfitting capabilities	43 days
	<u>Notes</u>			
	Need modelfitting (point, gaussian, disk) - image-plane modelfitting is carried out in imagefitter. There is no uv-plane modelfitting available.			
421	5.1-3.9	2-I-high	Imager: uv-plane modelfitting capabilities	43 days
	<u>Notes</u>			
	Need modelfitting (point, gaussian, disk) - image-plane modelfitting is carried out in imagefitter. There is no uv-plane modelfitting available.			
424	1.1-2	*	Preparation for ALMA TST6	43 days
	<u>Notes</u>			
	Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.			
	TST6, aug06 -			
434	4.3-7	2-N-med	Flagging based on closure errors	43 days
	<u>Notes</u>			
	Determination of, correction for, examination of and flagging based on closure errors.			
436	1.1-2	*	ALMA TST6 Support	43 days
	<u>Notes</u>			
	Target Status: Incomplete Target Info: Support Tests Requirement Status: 1.1-2 Requirement Info: All standard observing modes supported by ALMA must be processable by the Package.			
	TST6, aug06			

ID	Require.	PGS	Task Name	Duration
444	4.1-8	2-N-high	Data calibration/flagging based on models	43 days
<u>Notes</u> Data calibration, correction, flagging based on standard or user-defined models in either functional or tabular form. Editing based on data versus models needed.				
454	5.1-3.10	2-I-med	Multi-frequency synthesis imaging	43 days
<u>Notes</u> Target Status: Incomplete Target Info: Multi-frequency synthesis with different spectral models. Requirement Status: 2::Incomplete Requirement Info: Dealing with pointing, polarization, instrumental changes, and source spectrum - research topic.				

Start	Completed	Finish	Resource Names
Sun 6/1/03 Mon 6/2/03	8/19/03	Fri 8/10/07 Thu 7/31/03	GM[17%],SB[17%],KG[17%],DK[KG[40%]
Mon 6/2/03	8/29/03	Thu 7/31/03	KG[17%]
Mon 8/4/03	10/21/03	Wed 10/1/03	KG[40%]
Mon 8/4/03	postponed	Wed 10/1/03	KG[17%]
Mon 10/6/03	12/1/03	Wed 12/3/03	KG[75%]
Mon 10/6/03	12/1/03	Wed 12/3/03	KG[27%]

Start **Completed** **Finish** **Resource Names**

Tue 12/2/03 postponed Fri 1/16/04 KG[38%]

Tue 12/2/03 1/18/04 Fri 1/16/04 KG[75%]

Start **Completed** **Finish** **Resource Names**

Mon 1/19/04 postponed Fri 3/12/04 KG[15%]

Mon 1/19/04 2/18/04 Fri 3/12/04 KG[15%],GM[15%],JM[15%],SB[

Start **Completed** **Finish** **Resource Names**

Thu 1/15/04 3/12/04 Wed 3/10/04 KG[27%]

Mon 3/15/04 4/2/04 Thu 5/13/04 KG[10%]

Start	Completed	Finish	Resource Names
Mon 3/15/04	5/7/04	Thu 5/13/04	KG[25%]
Mon 3/15/04	4/1/04	Thu 5/13/04	KG[20%]
Wed 7/7/04	7/10/04	Fri 7/9/04	JM[10%],GM[10%],KG[10%]
Mon 5/17/04		Fri 7/9/04	SB[23%],KG[13%]
Mon 5/17/04		Fri 7/9/04	GM[17%],KG[17%],JM[17%],SB[
Fri 6/25/04		Fri 7/9/04	RR[25%],GM[17%],KG[17%],SB[

Start **Completed** **Finish** **Resource Names**

Fri 7/16/04 Fri 9/10/04 KG[13%],SB[45%]

Fri 7/16/04 Fri 9/10/04 KG[10%]

Start	Completed	Finish	Resource Names
-------	-----------	--------	----------------

Fri 7/16/04		Fri 9/10/04	KG[17%]
-------------	--	-------------	---------

Fri 7/16/04		Fri 9/10/04	GM[12%],KG[12%],SB[12%],JM[
-------------	--	-------------	-----------------------------

Start **Completed** **Finish** **Resource Names**

Wed 9/15/04 Fri 11/12/04 KG[50%]
Tue 11/16/04 Thu 1/13/05 KG[44%],SB[44%]

Tue 11/16/04 Thu 1/13/05 JM[13%],SB[13%],GM[13%],KG[

Start	Completed	Finish	Resource Names
Fri 7/16/04		Tue 9/14/04	SB[44%],KG[22%]
Fri 7/16/04		Tue 9/14/04	KG[22%]
Fri 7/16/04		Tue 9/14/04	GM[12%],KG[12%],SB[12%],JM[
Fri 9/16/05		Tue 11/15/05	GM[17%],KG[24%],SB[24%],DK[
Fri 9/16/05		Tue 11/15/05	SB[25%],KG[25%]
Wed 11/16/05		Fri 1/13/06	GM[24%],KG[24%],SB[24%],DK[
Wed 11/16/05		Fri 1/13/06	GM[20%],KG[20%],SB[20%],DK[
Wed 11/16/05		Fri 1/13/06	JM[13%],SB[13%],GM[13%],KG[

Start	Completed	Finish	Resource Names
Mon 1/16/06		Wed 3/15/06	KG[44%]
Mon 1/16/06		Wed 3/15/06	GM[12%],KG[12%],SB[12%],JM[
Thu 3/16/06		Mon 5/15/06	KG[57%]
Tue 5/16/06		Thu 7/13/06	KG[44%]
Tue 5/16/06		Thu 7/13/06	JM[13%],SB[13%],GM[13%],KG[
Mon 7/17/06		Wed 9/13/06	KG[44%]
Mon 7/17/06		Wed 9/13/06	GM[12%],KG[12%],SB[12%],JM[

Start	Completed	Finish	Resource Names
Wed 8/16/06		Fri 10/13/06	KG[57%]
Mon 10/16/06		Wed 12/13/06	KG[50%]