

Iteration	Purpose	Defined	Due	Delivered	Version	Notes
1	Initial with basic infrastructure	19/02/2010	12/03/2010	12/03/2010	1.00	
2	File I/O and data structures	12/03/2010	01/04/2010	06/04/2010	1.01	

Index	Priority	Task	Planned	Actual	Notes
1		Initial system: Make; Run	1	1	
2		Program Version	1	1	
3		Program arguments: Read and store: Infrastructure	1	1	
4		Program Log: Infrastructure	1	1	
5		Signal Handler	1	1	
6		File I/O: Locate, open/create, read/write, close	2	2	Requires args input (i), output (o);
7		Data Structures: Tile, Cluster, Matrix	2	2	
8		Intensities Input: Locate, read, store, tidy up	2	2	
9		Matrix Input: Locate, read, store, tidy up; Read M, N, P	2		
10		Processed Intensities: Calculate and store, tidy up			
11		Initial Sequence: By maximum intensity			
12		Sequence output: Create file, write data, close			
13		Replace message macros with vfprintf	2	2	
14		Expand message severity list to include debug	2	2	
15		Configure Doxygen; add comments to new HM files	2	2	
16		New message functionality to return message string			For use with perror, length of string?
17		Change message to use CSTRING instead of fixed length			

18	Add segmentation violation handler	
19	message: move message file check to filename routine	so can return default
20	ayb_options, move structure to source file, add get for each item	only when there is an item to get
21	Add descriptions to func declarations in headers	
<hr/>		
22	Initial Lambda: Ignore weights	
*	xio, matrix, cluster, tile not yet documented	
*	tidy dirio.h on next change	

Index Note

Resolution

1 Divide by zero does not cause FPE so not tested

Index	Task	Additional Requirements	Completed	Notes
6	File I/O: Locate, open/create, read/write, close	Requires args input (i), output (o); search input dir for pattern matched files.	24/03/2010	
7	Data Structures: Tile, Cluster, Matrix	Use as is from Central Repository	01/04/2010	
8	Intensities Input: Locate, read, store, tidy up	Requires arg ncycles (n)	01/04/2010	
9	Matrix Input: Locate, read, store, tidy up; Read M, N, P	Use ncycle	postponed	
13	Replace message macros with fprintf	Change call function name to message	12/03/2010	
14	Expand message severity list to include debug		24/03/2010	
15	Configure Doxygen; add comments to new HM files		29/03/2010	

Index	Task	Additional Requirements	Completed	Notes
1	Initial system: Make; Run	IDE develop but also build from command line	10/03/2010	Make with gcc. Makefile.
2	Program Version	Version file	08/03/2010	Store version and date.
3	Program arguments: Read and store (infrastructure)	Initial args help, licence, version, usage (default)	08/03/2010	Use getopt_long; Use include file method to do bulk output.
4	Program Log: Infrastructure	Log message from a Type and Severity; allow for parameters of varying type. Output to unique filename (from date/time) in configurable location.	10/03/2010	Requires args logfile (e), loglevel (l); Hide implementation from user.
5	Signal Handler	Initially interrupt and floating point exception	10/03/2010	On interrupt get confirmation first. Divide by zero does not cause FPE so not tested