HRRT_U 1.0 Problems Tracking

PR Tag	Program	Description	Status
		Release Beta 13-Aug-08	
1.0.1	N/A	Dlls not copied to c:\cps\users_sw by install procedure	TMP solution: copy from c:\cps\bin
1.0.2	ReconGUI_u	Existing recon.ini not copied ro c\cps\users_sw by install procedure	TMP solution: copy from c:\cps\bin
1.0.3	ReconGUI_u	".i" extension missing in filename for image reconstructed on cluster nodes	Done
1.0.4	ReconGUI_u	Use -notimetag for transmission histogramming	Done
1.0.5	ReconGUI_u	Call e7_sino_u with mu-map to avoid reconstruction from attenuation	Done
1.0.6	e7_sino_u	Don't save ssr_image.i	Done
1.0.7	hrrt_osem3d	Uncorrect logging message for PSF flag	Done
1.0.8	CorrectRun_u	Not correcting for interframe decay	Done
1.0.9	CorrectRun_u	Add scanner dependent deadtime constant (CorrectRun.ini)	Done
		Patch 30-Aug-08	
1.0.10	VC redist dlls	clcrecon not running on cluster nodes	Done (bug in clcrecon)
1.0.11	norm_process	.ce and .fs filename should be the same as listmode instead of the output norm file name	Done
1.0.12	norm_process	Create norm header	Done
1.0.13	lmhistogram_u	-P option should create prompt and true sinograms, -PR should create prompt, true and random sinograms default (true) sinogram file name should be sino.tr.s	
1.0.14	norm_process	64 bit version norm_process_x64 not working	Done not tested
1.0.15	ReconGUI_u	Delete normfac.i if existing before submitting a recon job and after recon job	Done
1.0.16	clcrecon	Delete normfac.i if existing before submitting a recon job and specify normfac directory to c:\cps\cluster_u	Done
1.0.17	norm_process	Open listmode file in "R" for read-only network disk	Done not tested
1.0.18	ReconGUI_u	Default Mu zoom should be 2,3	Done

1.0.19	hrrt_osem3d	Add option -D to specify normfac directory: patient dir for static recon on server, c:\cps\cluster_u for frame cluster recon	Done
1.0.20	clcrecon	Replace clcrecon_procID.log by clcrecon_datetime.log for logging file names. Otherwise, an old log file can be used for a new reconstruction logging (1)	Done
1.0.21	clcrecon	Clean clcrecon*.log files older than 7 days	Done
1.0.22	hrrt_osem3d	Keep -O option for intermediate iterations output compatible with original cluster reconstruction (*i01.i, ... *i10.i) with header for all iterations.	Done
1.0.23	norm_process	Remove fansum (.fs) output	Done
1.0.24	QueueConfig	Add QueueConfig.txt to the distribution	Done
1.0.25	norm_process	Rounding mismatch between lmhistogram and norm_process causing high frequency artifact : Solution use same sorting library (sort3d_hrrt)	Done
1.0.26	ReconGUI_u	Integrate Total Variation 3D Regularization for transmission mu-map (TX_TV3DReg) as an alternative to MAP-TR segmentation via recon.ini: add TX_TV3DReg to the MAP priors list Enable TX_TV3DReg only when transmission scatter correction is used.	Done
1.0.27	ReconGUI_u	Add TX segmentation method to mu map header (TX_TV3DReg, MAP-TR)	Done
1.0.28	hrrt_osem3d	Create random smoothed file in same directory as normfac.i with .ch filename prefix.	Done
1.0.29	hrrt_osem3d	Delete temp random smoothed file after reconstruction	Done
1.0.30	if2e7	Add -S option to specify calibration files directory. If2e7 searches the directory for calibration files and selects the one with matching scan date.	Done
1.0.31	if2e7	Use mumap mask to find image extrema and avoid hot spots	Done
1.0.32	clcrecon	Clean ReconParameters*.txt and ClusterConfig*.txt files older than 7 days	Done
1.0.33	ReconGUI_u	Allow automatic scatter filename assignment in Reconstruction Configuration dialog when Scatter Configuration dialog is disabled	Done
1.0.34	hrrt_osem3d	Add program version and build ID to image header	Done
		Release candidate 08-Oct-08	
1.0.35	ReconGUI_u	Ignore mu-map auto-scaling flag when using MAP-TR	Done

		segmentation or TX-TV3DReg	
1.0.36	ReconGUI_u	Ignore transmission scatter correction when using MAP-TR segmentation.	Done
1.0.36	Norm Header	Add LBER keyword , e.g: LBER := 12.0	Done
1.0.37	ReconGUI_u	Use LBER value from norm header if present for e7_sino_u instead of gm328.ini	Done
1.0.38	e7_atten_u	Add a flag "--txblr" to specify TX/Blank ratio as an alternative to getting it from data.	Done
1.0.39	ReconGUI_u	Get TX/Blank ratio from headers and use it with e7_atten_u	Done
1.0.40	gen_delays hrrt_osem3d	Use a lookup table to ensure same result on different CPU architecture (32bit, 64bit).	Done
1.0.41	DailyQC_u	Crashes on view statistics	Done
1.0.42	Norm_process	Maxrd is wrong (103 should be 67).	Done
1.0.43	Norm_process	Use linear interpolation for geometric factors	Done
		Release candidate 17-Nov-08 **Released HRRT_U 1.0**	
1.0.44	gen_delays,hrrt _osem3d	Potential bug in search in searching lookup table file hrrt_rebinner.lut in directories c:\cps\users_sw;c:\cps\cluster_u Change sw_version from 1.0 to 1.0.1	Done
1.0.45	ReconGUI, recon.ini	Remove from recon.ini entry: Use TX_TV3DReg (0=NO, 1=YES) := 0 Add sw_version 1.0.1	Done
1.0.46	if2e7	Bug fix: Last block missing secondary storage (-D) file. Change sw_version from 2.3.0 to 2.3.1	Done
1.0.47	lmhistogram	Bug fix: Skip option failing with "Rebinner thread startup failed" error	Done
1.0.48	lmhistogram	Test and fix -start option to specify EM histogramming start countrate	Done
1.0.49	ReconGUI, recon.ini	Allow mu-zoom (2,2). Implement EM histogramming start countrate New entry in recon.ini: EM histogram start countrate := 10000	Done
		Patch 1.0.1 19-Jan-2009	