JEM-X ISSW ADD7.0: Changes for version 7.1

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It is understood that all changes required to update the document due to redeliveries of software components are covered by the SPR or SCREW for the actual change to the software itself, which implies updating the relevant documentation.

The corrections listed here do not change the software, but only improve its documentation.

- **CAO:** pp.1–47 'Will be' must be changed to 'is', 'are' etc. since we're no longer in the planning stage.
- **ALL:** Throughout JMXi-DEAD-STA becomes JXMi-DEAD-SCP
- **CAO:** p.3 Acronyms to add to list: FCFOV, IC, IJD
- **CAO:** p.12 Add point to 'Objectives': To bin corrected data into spectra and lightcurves
- **PK:** Should first script be j-data-preparation or JEMX-Data-Preparation?
- **PK:** pp. 15, 16, 17 or thereabouts: these ISDC overview figures need complete revision to make them correspond to the rest of the descriptions of the ISSW: j_calib_auto is out and most data structures listed need checking
- **CAO:** p.27 On figure, j_bkg_***_select should be j_bkg_****_sel. Also check that these names are used throughout the text. Add q_identify_srcs after j_ima_refined_recon
- **CAO:** p.28 Update figure of offline analysis to show simplified version of j_performance, and remove 'GUI' from tools not used by general users. All of the lowest components are now executables.
- **CAO:** p.29 Correct discription of CORX and CORY position correction model tables: now contain absolute positions
- **CAO:** p.34 Remove IBAS software from list of dream tools
- **CAO:** pp.37–40 timeEnd and XXX-timeEnd are now timeStop
- **CAO:** pp.37–40 Also have to add all the parameters that are used in piepline scripts. Where these are just script versions of executable parameters with the same basic name, they are noted under the executable name with 'Also known as'.

  ogID, baseDir, startLevel, endLevel, refCat, usrCat, osimData, COR-gainHist, COR-gainModel, GTI-attTolerance, GTI-limitTable, GTI-gtiJemxNames, GTI-gtiScNames, GTI-mergedName, QLA-qlaCat, QLA-qlaMode, CAT-I-radiusMin, CAT-I-radiusMax, CAT-I-fluxDef, CAT-I-fluxMin, CAT-I-fluxMax, CAT-I-class, CAT-I-date, BKG-simulated, BIN-I-nChanBins, BIN-I-chanLow, BIN-I-chanHigh, BIN-I-timeStart, BIN-I-timeEnd, BIN-I-evtType, BIN-I-shdType, BIN-I-backCorr, IMA-radiusLimit, IMA-ignoreAnode, IMA-threshold, IMA-numPixelSubDiv, IMA-minDetLev, IMA-maxNumTrials, IMA-minDist, IMA-relDist, IMA-fluxLimit, IMA-searchRad, IMA-gridNum, IMA-distFuzz, SPE-timeStart, SPE-timeStop, SPE-timeStep, SPE-backCorr, SPE-vignCorr, SPE-deadCorr, SPE-bgrMethod, SPE-evtType, BIN-S-timeStart, BIN-S-timeStop, BIN-S-timeStep, BIN-S-nPhaseBins, BIN-S-phaseBins, BIN-S-rowSelect, swgDOL, general-chatter, general-clobber, general-baseDir, general-jemxNum, general-osimData, swgDOL, j-cor-both-fullCor, j-cor-both-fullPrp, j-cor-both-fullRaw, j-cor-both-restCor, j-cor-both-restPrp, j-cor-both-restRaw, j-cor-gain-sptiCor, j-cor-gain-sptiPrp, j-cor-gain-sptiRaw, j-cor-gain-specCor, j-cor-gain-specPrp, j-cor-gain-specRaw, q-flag-srcs-errPos, q-flag-srcs-logicType etc.

- **CAO:** pp.37–40 Add more input parameters for imaging processing: endTime, ignoreAnode, radiusLimit, threshold, relDist, fluxLimit, searchRad, gridNum, distFuzz. Add more input parameters for spectral extraction: bgrMethod. Add more input parameter names for OBT creation executables: inDOL, outDOL. Add more input parameter names for GTI determination: attTolerance, limitTable, mergedName. Add more input parameter names for catalogue extraction: qlaCat, qlaMode, errPos, logicType. Add more input parameters for j_performance: perfTable, hkType, binFactor, parNames,

- **CAO:** pp.37–40 Remove unused parameter names from list: endRow, startRow, tCorrel, lineModel, nTimeBins, timeCor, timeHigh, timeLow,

- **PK:** p.50 Figure of observation pipeline needs to be completed as does entire script description

- **CAO:** p.101 Must mention that the deadtime produced is given a percentage of time within the 8 second interval that the detector is dead

- **CAO:** p.198, 202, 211 Add data structure JMXi-ATBE-MOD to Data dictionary and to instrument model descriptions. Also JMXi-VIGN-MOD (these don't seem to generate ?? by their absence so who's forgotten to mention them as input to their components?)

- **CAO:** pp. 195–198 Remove obsolete, unused data structures from Data Dictionary: JMXi-SLLC-ARF, JMXi-SRCL-LCR, Add data structures: AUXL-ORBI-NRT, JMXi-SRC.-LCR JMXi-EVTS-SHD is made of both FULL and REST events