Updates: all components

- TSTART and TSTOP keywords copied from SWG
- Check DAL3GENattributeCopy used correctly
- Chatty becomes Chatter
- All unit test to have separate test data package
- All unit tests to have environmental variables set
- All unit test to conform to new format
- Check all components use DALtableGetBuffSize NOT DALtableComputeBuffSize
- All byte data buffers must ‘unsigned char’
- JEMX_1 → JMX1; JEMX_2 → JMX2
- makeUnique to be removed from all parameter files
- CommonPreparePARSstrings always called with makeUnique=TRUE
- No warnings should produce error messages

Individual components

j_prp_status_table Version 2.1 delivered 12/06/01 (SPR 292)

- Still needs to handle RATE and SPEC data
- Add one-time loop to 'save' function for buffer tidy-up

j_prp_verify Add as much functionality as time allows

j_calib_gain_fitting Has outstanding problems:

- Error messages for warnings (SPR 1060)
- Ni doublet must be a singlet model
- JMX2 needs an Fe-55 model
- Need a Xe line model for JMX2
- Must be able to ignore rubbish/null data

j_calib_adc Changes in OBSW calibration procedure etc.:

Ignore all near-zero responses

Input and output to be Index tables not individual data structures

SPR 1108: don't use DAL_MED_STRING for DOL strings

j_cor_gain As well as above changes:

Need new time-varying model

Must hand null or 'bad' coefficients

Check how bins are identified

j_cor_position Some internal changes:

CORX and CORY tables to contain absolute positions in mm from centre (NJW to provide 'NULL' tables)

Must have all the necessary override parameters

Flag events in FRSS spillover area with certain energies?

j_dead_time_calc Improve functionality:

- DEAD-MOD to contain deadtime per event at given rate
- Dead time calculated according to number of events then converted to percent