

The PSRFITS Definition File (Ver 4.3, May 20, 2010)

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SIMPLE = T / file does conform to FITS standard
BITPIX = 8 / number of bits per data pixel
NAXIS = 0 / number of data axes
EXTEND = T / FITS dataset may contain extensions
COMMENT FITS (Flexible Image Transport System) format defined in Astronomy
and
COMMENT Astrophysics Supplement Series v44/p363, v44/p371, v73/p359, v73/p365.
COMMENT Contact the NASA Science Office of Standards and Technology for the
COMMENT FITS Definition document #100 and other FITS information.
COMMENT
HDRVER = '4.3' / Header version
FITSTYPE= 'PSRFITS' / FITS definition for pulsar data files
DATE = ' ' / File creation date (YYYY-MM-DDThh:mm:ss UTC)
OBSERVER= ' ' / Observer name(s)
PROJID = ' ' / Project name
TELESCOP= ' ' / Telescope name
ANT_X = * / [m] Antenna ITRF X-coordinate (D)
ANT_Y = * / [m] Antenna ITRF Y-coordinate (D)
ANT_Z = * / [m] Antenna ITRF Z-coordinate (D)
FRONTEND= ' ' / Receiver ID
IBEAM = * / Beam number for multibeam systems (1=ctr beam)
NRCVR = * / Number of receiver polarisation channels
FD_POLN = ' ' / LIN or CIRC
FD_HAND = * / +/- 1. +1 is LIN:A=X,B=Y, CIRC:A=L,B=R (I)
FD_SANG = * / [deg] FA of E vect for equal sig in A&B (E)
FD_XYPH = * / [deg] Phase of A^* B for injected cal (E)
BACKEND = ' ' / Backend ID
BECONFIG= ' ' / Backend configuration file name
BE_PHASE= * / 0/+1/-1 BE cross-phase:0 unknown,+/-1 std/rev
BE_DCC = * / 0/1 BE downconversion conjugation corrected
BE_DELAY= * / [s] Backend propn delay from digitiser input
TCYCLE = * / [s] On-line cycle time (D)
OBS_MODE= ' ' / (PSR, CAL, SEARCH)
DATE-OBS= ' ' / Date of observation (YYYY-MM-DDThh:mm:ss UTC)
OBSFREQ = * / [MHz] Centre frequency for observation
OBSBW = * / [MHz] Bandwidth for observation
OBSNCHAN= * / Number of frequency channels (original)
CHAN_DM = * / [cm-3 pc] DM used for on-line dedispersion
PNT_ID = ' ' / Name or ID for pointing ctr (multibeam feeds)
SRC_NAME= ' ' / Source or scan ID
COORD_MD= ' ' / Coordinate mode (J2000, GAL, ECLIP, etc.)
EQUINOX = ' ' / Equinox of coords (e.g. 2000.0)
RA = ' ' / Right ascension (hh:mm:ss.ssss)
DEC = ' ' / Declination (-dd:mm:ss.sss)
BMAJ = * / [deg] Beam major axis length
BMIN = * / [deg] Beam minor axis length
BPA = * / [deg] Beam position angle
STT_CRD1= ' ' / Start coord 1 (hh:mm:ss.sss or ddd.ddd)
STT_CRD2= ' ' / Start coord 2 (-dd:mm:ss.sss or -dd.ddd)
TRK_MODE= ' ' / Track mode (TRACK, SCANGC, SCANLAT)
STP_CRD1= ' ' / Stop coord 1 (hh:mm:ss.sss or ddd.ddd)
STP_CRD2= ' ' / Stop coord 2 (-dd:mm:ss.sss or -dd.ddd)
SCANLEN = * / [s] Requested scan length (E)
FD_MODE = ' ' / Feed track mode - FA, CPA, SPA, TPA
FA_REQ = * / [deg] Feed/Posn angle requested (E)
CAL_MODE= ' ' / Cal mode (OFF, SYNC, EXT1, EXT2)
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CAL_FREQ=          * / [Hz] Cal modulation frequency (E)
CAL_DCYC=          * / Cal duty cycle (E)
CAL_PHS =          * / Cal phase (wrt start time) (E)
STT_IMJD=          * / Start MJD (UTC days) (J - long integer)
STT_SMJD=          * / [s] Start time (sec past UTC 00h) (J)
STT_OFFS=          * / [s] Start time offset (D)
STT_LST =          * / [s] Start LST (D)
END
#
#####
#
# History Binary Table Extension
#
#####
#
XTENSION= BINTABLE          / ***** Processing history *****
BITPIX =                   8 / N/A
NAXIS =                     2 / 2-dimensional binary table
NAXIS1 =                    * / width of table in bytes
NAXIS2 =                    * / number of rows
PCOUNT =                    0 / size of special data area
GCOUNT =                    1 / one data group (required keyword)
TFIELDS =                  23 / number of fields per row
#
EXTNAME = HISTORY          / name of this binary table extension
#
TTYPE# = DATE_PRO          / Processing date and time (UTC)
TFORM# = 24A              / 24-char string
TTYPE# = PROC_CMD          / Processing program and command
TFORM# = 80A              / 80_char string
TTYPE# = SCALE             / Units (FluxDen/RefFlux/Jansky)
TFORM# = 8A               / 8-char string
TTYPE# = POL_TYPE          / Polarisation identifier
TFORM# = 8A               / 8-char string
TTYPE# = NSUB              / Number of Sub-Integrations
TFORM# = 1I               / Integer
TTYPE# = NPOL              / Number of polarisations
TFORM# = 1I               / Integer
TTYPE# = NBIN              / Nr of bins per product (0 for SEARCH mode)
TFORM# = 1I               / Integer
TTYPE# = NBIN_PRD          / Nr of bins per period
TFORM# = 1I               / Integer
TTYPE# = TBIN              / Time per bin or sample
TUNIT# = s                 / units of field
TFORM# = 1D               / Double
TTYPE# = CTR_FREQ          / Band centre frequency (weighted)
TUNIT# = MHz              / units of field
TFORM# = 1D               / Double
TTYPE# = NCHAN             / Number of frequency channels
TFORM# = 1I               / Integer
TTYPE# = CHAN_BW           / Channel bandwidth
TFORM# = 1D               / Double
TUNIT# = MHz              / units of field
TTYPE# = DM                / DM used for dedispersion
TFORM# = 1D               / Double
TUNIT# = CM-3 PC          / units of field
TTYPE# = RM                / RM used for RM correction
TFORM# = 1D               / Double
TUNIT# = RAD M-2          / units of field
TTYPE# = PR_CORR           / Projection of receptors onto sky corrected
TFORM# = 1I               / Integer flag
TTYPE# = FD_CORR           / Feed basis correction applied
TFORM# = 1I               / Integer flag

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TTYPE# = BE_CORR           / Backend correction applied
TFORM# = 1I                / Integer flag
TTYPE# = RM_CORR           / RM correction applied
TFORM# = 1I                / Integer flag
TTYPE# = DEDISP            / Data dedispersed
TFORM# = 1I                / Integer flag
TTYPE# = DDS_MTHD          / Dedispersion method
TFORM# = 32A               / 32-char string
TTYPE# = SC_MTHD           / Scattered power correction method
TFORM# = 32A               / 32-char string
TTYPE# = CAL_MTHD          / Calibration method
TFORM# = 32A               / 32-char string
TTYPE# = CAL_FILE          / Name of gain calibration file
TFORM# = 32A               / 32-char string
TTYPE# = RFI_MTHD          / RFI excision method
TFORM# = 32A               / 32-char string
TTYPE# = IFR_MTHD          / Ionospheric Faraday rotation correction method
TFORM# = 32A               / 32-char string
END
#
#####
#
# Coherent Dedispersion Parameters Binary Table Extension
#
#####
#
XTENSION= BINTABLE          / ***** Coherent Dedispersion Parameters *****
BITPIX = 8 / N/A
NAXIS = 2 / 2-dimensional binary table
NAXIS1 = * / width of table in bytes
NAXIS2 = * / number of rows in table (NCHAN)
PCOUNT = 0 / size of special data area
GCOUNT = 1 / one data group (required keyword)
TFIELDS = 3 / number of fields per row
#
NFFT = * / Size of forward FFT
EXTNAME = COHDDISP          / name of this binary table extension
#
TTYPE# = NOVERLAP           / Number of overlap points for each sub-band
TFORM# = 1I                / Integer
TTYPE# = NCHIRP             / Number of points in chirp function
TFORM# = 1I                / Integer
TTYPE# = ACBANDPASS         / Bandpass for autocorrelations
TUNIT# = Jy                 / Bandpass amplitude units
TFORM# = E                  / NCHIRP floats
END
#
#####
#
# Ephemeris Binary Table Extension
#
#####
#
XTENSION= BINTABLE          / ***** Pulsar ephemeris *****
BITPIX = 8 / N/A
NAXIS = 2 / 2-dimensional binary table
NAXIS1 = * / width of table in bytes
NAXIS2 = * / number of rows in table
PCOUNT = 0 / size of special data area
GCOUNT = 1 / one data group (required keyword)
TFIELDS = 1 / Number of fields per row
#
EXTNAME = PSRPARAM          / Name of this binary table extension

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#
TTYPE# = PARAM          / Text file stored row by row
TFORM# = 128A          / Allow 128 char per row
END
#
#####
#
# TEMPO1 Polyco History Binary Table Extension
#
#####
#
XTENSION= BINTABLE      / ***** Polyco history *****
BITPIX =                8 / N/A
NAXIS =                 2 / 2-dimensional binary table
NAXIS1 =                * / width of table in bytes
NAXIS2 =                * / number of rows in table
PCOUNT =                0 / size of special data area
GCOUNT =                1 / one data group (required keyword)
TFIELDS =              13 / Number of fields per row
#
EXTNAME = POLYCO        / name of this binary table extension
#
TTYPE# = DATE_PRO      / Processing date and time (UTC)
TFORM# = 24A           / 24-char string
TTYPE# = POLYVER       / Polyco version ID
TFORM# = 16A           / 16-char string
TTYPE# = NSPAN         / Span of polyco in min
TFORM# = 1I            / Integer
TTYPE# = NCOEF         / Nr of coefficients (<=15)
TFORM# = 1I            / Integer
TTYPE# = NPBLK         / Nr of blocks (rows) for this polyco
TFORM# = 1I            / Integer
TTYPE# = NSITE         / Observatory code
TFORM# = 8A            / 8-char string
TTYPE# = REF_FREQ      / Reference frequency for phase
TFORM# = 1D            / Double
TUNIT# = MHZ           / Units of field
TTYPE# = PRED_PHS      / Predicted pulse phase at obs start
TFORM# = 1D            / Double
TTYPE# = REF_MJD       / Reference MJD
TFORM# = 1D            / Double
TTYPE# = REF_PHS       / Reference phase
TFORM# = 1D            / Double
TTYPE# = REF_F0        / Zero-order pulsar frequency
TUNIT# = Hz            / Units of field
TFORM# = 1D            / Double
TTYPE# = LGFITERR      / Log_10 of polynomial fit rms error in periods
TFORM# = 1D            / Double
TTYPE# = COEFF         / Polyco coefficients
TFORM# = 15D           / NCOEF doubles
END
#
#####
#
# TEMPO2 Predictor Binary Table Extension
#
#####
#
XTENSION= BINTABLE      / ***** Tempo2 Predictor *****
BITPIX =                8 / N/A
NAXIS =                 2 / 2-dimensional binary table
NAXIS1 =                * / width of table in bytes
NAXIS2 =                * / number of rows in table

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PCOUNT = 0 / size of special data area
GCOUNT = 1 / one data group (required keyword)
TFIELDS = 1 / Number of fields per row
#
EXTNAME = T2PREDICT / Name of this binary table extension
#
TTYPE# = PREDICT / Text file stored row by row
TFORM# = 128A / Allow 128 char per row
END
#
#####
#
# Flux Calibration Data Binary Table Extension
#
#####
#
XTENSION= BINTABLE / ***** Flux Calibration Data *****
BITPIX = 8 / N/A
NAXIS = 2 / 2-dimensional binary table
NAXIS1 = * / width of table in bytes
NAXIS2 = * / number of rows in table
PCOUNT = 0 / size of special data area
GCOUNT = 1 / one data group (required keyword)
TFIELDS = 6 / Number of fields per row
#
EXTNAME = FLUX_CAL / name of this binary table extension
CAL_MTHD= / Flux cal method
SCALFILE= / Cal file(s) used to derive flux-cal data
NCHAN = * / Nr of frequency channels (I)
NRCVR = * / Number of polarisation channels (I)
EPOCH = / [MJD] Epoch of calibration obs
#
TTYPE# = DAT_FREQ / Centre frequency for each channel
TFORM# = E / NCHAN floats
TUNIT# = MHz / Units of field
TTYPE# = DAT_WTS / Weights for each channel
TFORM# = E / NCHAN floats
TTYPE# = S_SYS / System equiv. flux density for each rcvr chan.
TDIM# = (*,*) / Dimensions (NCHAN,NRCVR)
TFORM# = E / NCHAN*NRCVR floats
TUNIT# = Jy
TTYPE# = S_SYSERR / Est. error of system equiv. flux density
TDIM# = (*,*) / Dimensions (NCHAN,NRCVR)
TFORM# = E / NCHAN*NRCVR floats
TUNIT# = Jy
TTYPE# = S_CAL / Calibrator flux density for each rcvr channel
TDIM# = (*,*) / Dimensions (NCHAN,NRCVR)
TFORM# = E / NCHAN*NRCVR floats
TUNIT# = Jy
TTYPE# = S_CALERR / Estimated error of calibrator flux density
TDIM# = (*,*) / Dimensions (NCHAN,NRCVR)
TFORM# = E / NCHAN*NRCVR floats
TUNIT# = Jy
END
#
#####
#
# Artificial Calibrator Stokes Parameters Binary Table Extension
#
#####
#
XTENSION= BINTABLE / ***** Artificial Calibrator Stokes Data *****
BITPIX = 8 / N/A

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NAXIS      =                2 / 2-dimensional binary table
NAXIS1     =                * / width of table in bytes
NAXIS2     =                * / number of rows in table
PCOUNT     =                0 / size of special data area
GCOUNT     =                1 / one data group (required keyword)
TFIELDS    =                3 / Number of fields per row
#
EXTNAME    = CAL_POLN      / name of this binary table extension
NCHAN      =                * / Nr of channels in flux cal file
#
TTYPE#     = DAT_WTS      / Weights for each channel
TFORM#     = E            / NCHAN floats
TTYPE#     = DATA        / Stokes (Q,U,V) of calibrator rel. to Cal I
TDIM#      = (*,*)        / Dimensions (3,NCHAN)
TFORM#     = E            / 3*NCHAN floats
TTYPE#     = DATAERR     / Estimated error of Stokes (Q,U,V)
TDIM#      = (*,*)        / Dimensions (3,NCHAN)
TFORM#     = E            / 3*NCHAN floats
END
#
#####
#
# Feed Cross-Coupling Parameters Binary Table Extension
#
#####
#
XTENSION= BINTABLE      / ***** Feed Cross-Coupling parameters *****
BITPIX    =                8 / N/A
NAXIS     =                2 / 2-dimensional binary table
NAXIS1    =                * / width of table in bytes
NAXIS2    =                * / number of rows in table
PCOUNT    =                0 / size of special data area
GCOUNT    =                1 / one data group (required keyword)
TFIELDS   =                3 / Number of fields per row
#
EXTNAME    = FEEDPAR     / Name of this binary table extension
CAL_MTHD= '              / Cross-coupling method
NCPAR     =                * / Number of coupling parameters
NCOVAR    =                * / Number of parameter covariances
NCHAN     =                * / Nr of channels in Feed coupling data
EPOCH     = '            / [MJD] Epoch of calibration obs
#
TTYPE#    = DAT_FREQ     / [MHz] Centre frequency for each channel
TFORM#    = E            / NCHAN floats
TUNIT#    = MHz          / Units of field
TTYPE#    = DAT_WTS      / Weights for each channel
TFORM#    = E            / NCHAN floats
TTYPE#    = DATA        / Cross-coupling data
TDIM#     = (*,*)        / Dimensions (NCPAR,NCHAN)
TFORM#    = E            / NCPAR*NCHAN floats
TTYPE#    = DATAERR     / Estimated error of cross-coupling data
TDIM#     = (*,*)        / Dimensions (NCPAR,NCHAN)
TFORM#    = E            / NCPAR*NCHAN floats
TTYPE#    = COVAR        / Formal covariances of coupling data
TDIM#     = (*,*)        / Dimensions (NCOVAR,NCHAN)
TFORM#    = E            / NCOVAR*NCHAN floats
TTYPE#    = CHISQ        / Total chi-squared (objective merit function)
TFORM#    = E            / NCHAN floats
TTYPE#    = NFREE        / Number of degrees of freedom
TFORM#    = J            / NCHAN 32-bit integers
END
#
#####

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#
# Subintegration data Binary Table Extension
#
#####
#
XTENSION= BINTABLE           / ***** Subintegration data *****
BITPIX  =                    8 / N/A
NAXIS   =                    2 / 2-dimensional binary table
NAXIS1  =                    * / width of table in bytes
NAXIS2  =                    * / Number of rows in table (NSUBINT)
PCOUNT  =                    0 / size of special data area
GCOUNT  =                    1 / one data group (required keyword)
TFIELDS =                   18 / Number of fields per row
#
INT_TYPE= '                   ' / Time axis (TIME, BINPHSPERI, BINLNGASC, etc)
INT_UNIT= '                   ' / Unit of time axis (SEC, PHS (0-1), DEG)
SCALE   = '                   ' / Intensity units (FluxDen/RefFlux/Jansky)
POL_TYPE= '                   ' / Polarisation identifier (e.g., AABBCRCI,
AA+BB)
NPOL    =                    * / Nr of polarisations
TBIN    =                    * / [s] Time per bin or sample
NBIN    =                    * / Nr of bins (PSR/CAL mode; else 1)
NBIN_PRD=                   * / Nr of bins/pulse period (for gated data)
PHS_OFFS=                   * / Phase offset of bin 0 for gated data
NBITS   =                    * / Nr of bits/datum (SEARCH mode 'X' data, else
1)
ZERO_OFF=                   * / Zero offset for SEARCH-mode 'X' data
NSUBOFFS=                   * / Subint offset (Contiguous SEARCH-mode files)
NCHAN   =                    * / Number of channels/sub-bands in this file
CHAN_BW =                    * / [MHz] Channel/sub-band width
DM      =                    * / [cm-3 pc] DM for post-detection dedisperser
RM      =                    * / [rad m-2] RM for post-detection deFaraday
NCHNOFFS=                   * / Channel/sub-band offset for split files
NSBLK   =                    * / Samples/row (SEARCH mode, else 1)
#
EXTNAME = SUBINT             / name of this binary table extension
#
TTYPE#  = INDEXVAL           / Optionally used if INT_TYPE != TIME
TFORM#  = 1D                 / Double
TTYPE#  = TSUBINT            / Length of subintegration
TFORM#  = 1D                 / Double
TUNIT#  = s                  / Units of field
TTYPE#  = OFFS_SUB           / Offset from Start of subint centre
TFORM#  = 1D                 / Double
TUNIT#  = s                  / Units of field
TTYPE#  = LST_SUB            / LST at subint centre
TFORM#  = 1D                 / Double
TUNIT#  = s                  / Units of field
TTYPE#  = RA_SUB             / RA (J2000) at subint centre
TFORM#  = 1D                 / Double
TUNIT#  = deg                / Units of field
TTYPE#  = DEC_SUB           / Dec (J2000) at subint centre
TFORM#  = 1D                 / Double
TUNIT#  = deg                / Units of field
TTYPE#  = GLON_SUB          / [deg] Gal longitude at subint centre
TFORM#  = 1D                 / Double
TUNIT#  = deg                / Units of field
TTYPE#  = GLAT_SUB          / [deg] Gal latitude at subint centre
TFORM#  = 1D                 / Double
TUNIT#  = deg                / Units of field
TTYPE#  = FD_ANG            / [deg] Feed angle at subint centre
TFORM#  = 1E                 / Float
TUNIT#  = deg                / Units of field

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TTYPE# = POS_ANG          / [deg] Position angle of feed at subint centre
TFORM# = 1E              / Float
TUNIT# = deg             / Units of field
TTYPE# = PAR_ANG        / [deg] Parallaxic angle at subint centre
TFORM# = 1E              / Float
TUNIT# = deg             / Units of field
TTYPE# = TEL_AZ         / [deg] Telescope azimuth at subint centre
TFORM# = 1E              / Float
TUNIT# = deg             / Units of field
TTYPE# = TEL_ZEN        / [deg] Telescope zenith angle at subint centre
TFORM# = 1E              / Float
TUNIT# = deg             / Units of field
TTYPE# = DAT_FREQ       / [MHz] Centre frequency for each channel
TFORM# = E               / NCHAN floats
TUNIT# = MHz             / Units of field
TTYPE# = DAT_WTS        / Weights for each channel
TFORM# = E               / NCHAN floats
TTYPE# = DAT_OFFS       / Data offset for each channel
TFORM# = E               / NCHAN*NPOL floats
TTYPE# = DAT_SCL        / Data scale factor for each channel
TFORM# = E               / NCHAN*NPOL floats
TTYPE# = DATA          / Subint data table
TDIM# = (*,*,*)         / Dimensions (NBIN,NCHAN,NPOL/NCHAN,NPOL,NSBLK)
TFORM# = I               / I (Fold), X (1-bit) or B (2-8 bit) Search
TUNIT# = Jy              / Units of subint data
END
#
#####
#
# Digitiser Statistics Binary Table Extension
#
#####
#
XTENSION= BINTABLE      / ***** Digitiser statistics *****
BITPIX = 8              / N/A
NAXIS = 2               / 2-dimensional binary table
NAXIS1 = *              / Width of table in bytes
NAXIS2 = *              / Number of rows in table (NSUBINT)
PCOUNT = 0              / Size of special data area
GCOUNT = 1              / One data group (required keyword)
TFIELDS = 1             / Number of fields per row
#
DIG_MODE= '             ' / Digitiser mode
NDIGR = *               / Number of digitised channels (I)
NPAR = *                / Number of digitiser parameters
NCYCSUB = *             / Number of correlator cycles per subint
DIGLEV = '             ' / Digitiser level-setting mode (AUTO, FIX)
EXTNAME = DIG_STAT      / Name of this binary table extension
#
TTYPE# = ATTN           / Attenuator settings
TFORM# = E              / NDIGR floats
TUNIT# = db             / Units of field
TTYPE# = DATA          / Digitiser statistics
TDIM# = (*,*,*)         / Data table dimensions (NPAR,NDIGR,NCYCSUB)
TFORM# = E              / NPAR*NDIGR*NCYCSUB floats
END
#
#####
#
# Digitiser Counts Binary Table Extension
#
#####
#

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XTENSION= BINTABLE          / ***** Digitiser counts *****
BITPIX =                    8 / N/A
NAXIS =                     2 / 2-dimensional binary table
NAXIS1 =                    * / Width of table in bytes
NAXIS2 =                    * / Number of rows in table
PCOUNT =                   0 / Size of special data area
GCOUNT =                   1 / One data group (required keyword)
TFIELDS =                  3 / Number of fields per row
#
DIG_MODE= '                 ' / Digitiser mode
DYN_LEVT= *                 / Timescale for dynamic leveling
NDIGR = *                   / Number of digitised channels (I)
NLEV = *                    / Number of digitiser levels
NPTHIST = *                 / Number of points in histogram (I)
DIGLEV = '                 ' / Digitiser level-setting mode (AUTO, FIX)
EXTNAME = DIG_CNTS         / Name of this binary table extension
#
TTYPE# = DAT_OFFS         / Data offset for each histogram
TFORM# = E                / NDIGR floats
TTYPE# = DAT_SCL         / Data scale factor for each histogram
TFORM# = E                / NDIGR floats
TTYPE# = DATA           / Digitiser count data
TDIM# = (*,*)           / Data table dimensions (NPTHIST,NDIGR)
TFORM# = I               / NPTHIST*NDIGR integers
END
#
#####
#
# Original Bandpass Binary Table Extension
#
#####
#
XTENSION= BINTABLE          / ***** Original bandpasses *****
BITPIX =                    8 / N/A
NAXIS =                     2 / 2-dimensional binary table
NAXIS1 =                    * / width of table in bytes
NAXIS2 =                    * / number of rows in table
PCOUNT =                   0 / size of special data area
GCOUNT =                   1 / one data group (required keyword)
TFIELDS =                  3 / number of fields per row
#
NCH_ORIG= *                / Number of channels in original bandpass
BP_NPOL = *                / Number of polarizations in bandpass
EXTNAME = BANDPASS        / name of this binary table extension
#
TTYPE# = DAT_OFFS         / Data offset for each bandpass
TFORM# = E                / BP_NPOL floats
TTYPE# = DAT_SCL         / Data scale factor: Val=Data*DAT_SCL + DAT_OFFS
TFORM# = E                / BP_NPOL floats
TTYPE# = DATA           / Bandpass for autocorrelations
TDIM# = (*,*)           / Data table dimensions = (NCH_ORIG,BP_NPOL)
TUNIT# = Jy              / Bandpass amplitude units
TFORM# = I               / NCH_ORIG*BP_NPOL integers
END

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