MASTER							
Name	**Bands**	**NULL**	**Description**	**Type**	**Unit**		
name			CXO Jhhmmss.s+ddmmss	char(20)			
ra			Right Ascension	double	deg		
dec			Declination	double	deg		
err_ellipse_r0			Position error ellipse parameters	double	arcsec		
err_ellipse_r1			Position error ellipse parameters	double	arcsec		
err_ellipse_ang			Position error ellipse parameters	double	deg		
gal_b			Galactic coords	double	deg		
gal_l			Galactic coords	double	deg		
significance			Source significance (flux not detect)	double	# sigma		
point_flag			Point source flag	bool	T/F		
var_flag			Variability flag	bool	T/F		
confusion_flag			Possible source confusion flag	bool	T/F		
pileup_flag		*	If piledup in any obi	bool	T/F		
major_axis			Major axis of source ellipsoid (deconvolved)	double	deg		
major_err			Error on major axis	double	deg		
minor_axis			Minor axis of source ellipsoid (deconvolved)	double	deg		
minor_err			Error on minor axis	double	deg		
pos_angle			Position angle of source ellipsoid (deconvolved)	double	deg		
pos_angle_err			Error on position angle	double	deg		
image	*		*-band image	double()()	photo s-1 cm-2		
flux	*		*-band flux	double	photo s-1 cm-2		
flux_err	*		*-band flux error	double	photo s-1 cm-2		
flux_2_10		*	Fitted 2-10 keV flux	double	erg s-1 cm-2		
flux_2_10_err		*	Fitted 2-10 keV flux error	double	erg s-1 cm-2		
nh_gal			Galactic hydrogen column density	double	cm-2		
nh		*	Fitted hydrogen column density	double	cm-2		
nh_err		*	Fitted hydrogen column density error (0.0=fixed parameter)	double	cm-2		
alpha		*	Fitted spectral index	double			
alpha_err		*	Fitted spectral index error (0.0=fixed parameter)	double			
sigma	*		*-band flux variability	double	erg s-1 cm-2		
hard_ms		*	Medium/soft-band hardness ratio	double			
hard_ms_err		*	Medium/soft-band hardness ratio error	double			
hard_hs		*	Hard/soft-band hardness ratio	double			
hard_hs_err		*	Hard/soft-band hardness ratio error	double			
hard_hm		*	Hard/medium-band hardness ratio	double			
hard_hm_err		*	Hard/medium-band hardnessratio error	double			
acis_num			Number of ACIS observations	int			
acis_time			ACIS exposure time	double	s		
acis_hetg_num			Number of HETG-ACIS observations	int			
acis_hetg_time			HETG-ACIS exposure time	double	s		
acis_letg_num			Number of LETG-ACIS observations	int			
acis_letg_time			LETG-ACIS exposure time	double	s		
hrc_num			Number of HRC observations	int			

hrc_time			HRC exposure time	double	s			
hrc_hetg_num			Number of HETG-HRC observations	int				
hrc_hetg_time			HETG-HRC exposure time	double	s			
hrc_letg_num			Number of LETG-HRC observations	int				
hrc_letg_time			LETG-HRC exposure time	double	s			

Per Source							
Observation Parameters							
Name	**Bands**	**NULL**	**src/reg**	**Description**	**Type**	**Unit**	**prop3.par**
os_id			obs	Observation to Source Link	int		n/a
obsid			obs	Observation Identifier (obsid,obi)	int		$obs_id
obi			obs	Obi Interval	int		$obi_num
cycle		*	obs	Observation Cycle (ACIS only)	char()		$cycle
timing_mode		*(acis)	obs	HRC timing mode	bool		obspar
exptime		*	obs	Exposure time (ACIS only), frame time	double		$exptime
gti_start			obs	Min(GTI) - start of GTIs	s		$gti_start
gti_stop			obs	Max(GTIs) - end of GTIs	s		$gti_stop
gti_elapse			obs	gti_stop - gti_start	s		$gti_ellapse
gti-obs			obs	TT (fits/style) of gti_start	char()		$gti_date_obs
gti-end			obs	TT (fits/style) of gti_stop	char()		$gti_date_end
mjd_ref			obs	MJD reference	int		$mjdref
gti_mjd_obs			obs	MJD-obs of GTI start	double	s	$gti_mjd_obs
instrument			obs	Instrument (ACIS or HRC)	char()		$instrume
grating			obs	Grating Type (HETG, LETG, NONE)	char()		$grating
targname			obs	Target Name	char()		$object
ra_pnt			obs	Observation pointed right ascension	double	deg	$ra_pnt
dec_pnt			obs	Observation pointed declination	double	deg	$dec_pnt
roll_pnt			obs	Observation pointed roll angle	double	deg	$roll_pnt
ra_nom			obs	Observation nominal ra	double	deg	$ra_nom
dec_nom			obs	Observation nominal dec	double	deg	$dec_nom
roll_nom			obs	Observation nominal roll	double	deg	$roll_nom
crdate			obs	Processing date UTC	date		evt3: DATE
ascdsver			obs	Software version	char()		evt3: ASCDSVER
caldbver			obs	Caldb version evt3 file	char()		evt3: CALDBVER
readmode		*	obs	timed or continous	char()		$readmode
datamode			obs	Data readout mode	char()		$datamode
Per-Obi Source							
Name	**Bands**	**NULL**	**src/reg**	**Description**	**Type**	**Unit**	**prop3.par**
os_id			obs	Observation to Source Link	int		n/a
region_id			reg	region identification	char()		$region_id
source_id			src	Source Identifier from 2d fit : 1 or 2	int		# -- see below, eg ra#_fit_*
detect_significance			reg	detection sig.	double		$detect_sig
detnam			reg	Detector (ACIS-n, HRC-I, HRC-S)	char()		$detnam
livetime			reg	Exposure Time corrected for GTI and dtcor	double	s	$livetime
mjr_axis_raw			reg	Major axis of source ellipsoid on the detector	double	deg	$r0_raw
mnr_axis_raw			reg	Minor axis of source ellipsoid on the detector	double	deg	$r1_raw
pos_angle_raw			reg	Position angle of source ellipsoid	double	deg	$rotang_raw
psf_mjr_axis_raw	*		reg	Major axis of ellipsoid representing the PSF (FWHM)	double	deg	TBD
psf_mnr_axis_raw	*		reg	Minor axis of ellipsoid representing the PSF (FWHM)	double	deg	TBD
psf_pos_angle_raw	*		reg	Position angle of ellipsoid representing the PSF	double	deg	TBD

theta			reg	off axis angle	double	arcmin	$theta
phi			reg	azimuth	double	deg	$phi
aper_bkg_rate	*		reg	Count rate in background	double	c/sec	$bkg_rate_*
aper_bkg_rate_err	*		reg	Error in background rate	double	c/sec	$bkg_rate_err_*
aper_cnts	*		reg	number of total src counts	int	counts	$src_counts_*
aper_rate	*		reg	Net count rate in region	double	c/sec	$net_rate_*
aper_rate_err	*		reg	Error in count rate	double	c/sec	$net_rate_err_*
pileup_warning	*	*	reg	Counts per frame per pixel	double	c/frame/pixel	$pileup_warn_*
alpha	*	*	reg	Fitted spectral index	double		$flux_index_*
alpha_err	*	*	reg	Fitted spectral index error (0.0=fixed parameter)	double		$flux_index_lo_*,$flux_index_hi_*
nh		*	reg	Fitted hydrogen column density	double	cm-2	TBD
nh_err		*	reg	Fitted hydrogen column density error	double	cm-2	TBD
conf_flag	*		reg	Possible source confusion flag	int	coded	TBD
edge_flag			reg	Chip-edge flag	int	coded	TBD
multi_chip_flag			reg	Multiple Chip flag	int	coded	TBD
var_flag	*		reg	Variability flag	int	coded	TBD
sigma	*		reg	*-band flux variability	double	erg s-1 cm-2	TBD
flux_2_10		*	reg	Fitted 2-10 keV flux	double	erg s-1 cm-2	$flux_2_10_broad
flux_2_10_err		*	reg	Fitted 2-10 keV flux error	double	erg s-1 cm-2	$flux_2_10_err_broad
ra	*		src	Right Ascension from fit	double	deg	$ra#_fit_*
dec	*		src	Declination	double	deg	$dec#_fit_*
err_ellipse_r0	*		src	Error ellipse parameters on position	double	arcsec	TBD
err_ellipse_r1	*		src	Error ellipse parameters on position	double	arcsec	TBD
err_ellipse_ang	*		src	Error ellipse parameters on position	double	deg	TBD
mjr_axis_fit	*		src	Major axis of source ellipsoid (deconvolved)	double	deg	$x#_fit_extent_*
mjr_axis_fit_err	*		src	Error in Major axis of source ellipsoid (deconvolved)	double	deg	$x#_fit_extent_err*
mnr_axis_fit	*		src	Minor axis of source ellipsoid (deconvolved)	double	deg	$y#_fit_extent_*
mnr_axis_fit_err	*		src	Error in Minor axis of source ellipsoid (deconvolved)	double	deg	$y#_fit_extent_err*
pos_angle_fit	*		src	Position angle of source ellipsoid (deconvolved)	double	deg	$angle#_fit_*
pos_angle_fit_err	*		src	Error in Pos angle of source ellipsoid (deconvolved)	double	deg	$angle#_fit_err_*
gal_b	*		src	galactic coords	double	deg	$gal_l_#_*
gal_l	*		src	galactic coords	double	deg	$gal_b_#_*
flux	*		src	*-band flux	double	photo s-1 cm-	$flux#_sherpa_*
flux_err	*		src	*-band flux error	double	photo s-1 cm-	$flux#_sherpa_err_*
flux_significance	*		src	flux / flux_err	double		$significance#_*
point_flag	*		src	Point source flag	int	coded	TBD
point_stat	*		src	Point source statistic	double		TBD