Chandra X-ray Center
Seq Num: 400222
Instrument: ACIS
Obs ID: 2742
Source: CYG X-1
PI: Prof. Shuang Nan Zhang
Grating: HETG
Title: PHASE RESOLVED HIGH ENERGY RESOLUTION SPECTROSCOPY OF THE BLACK HOLE X-RAY BAINARY CYGNUS X-1

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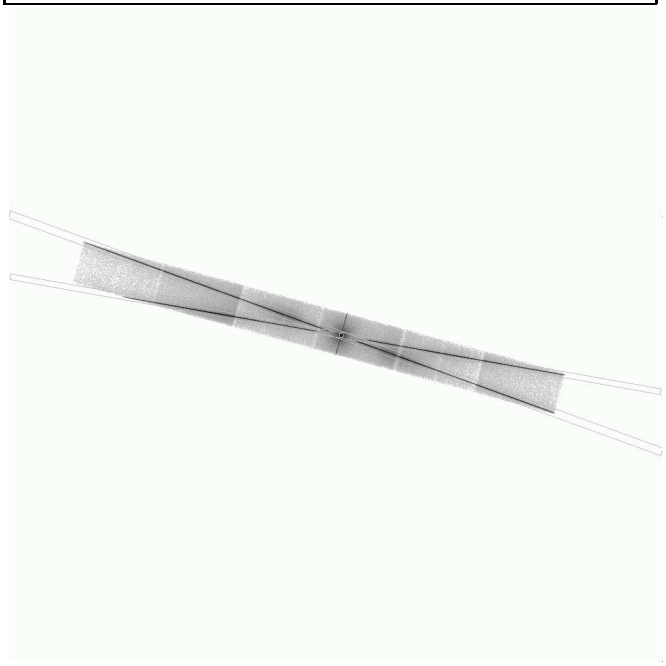
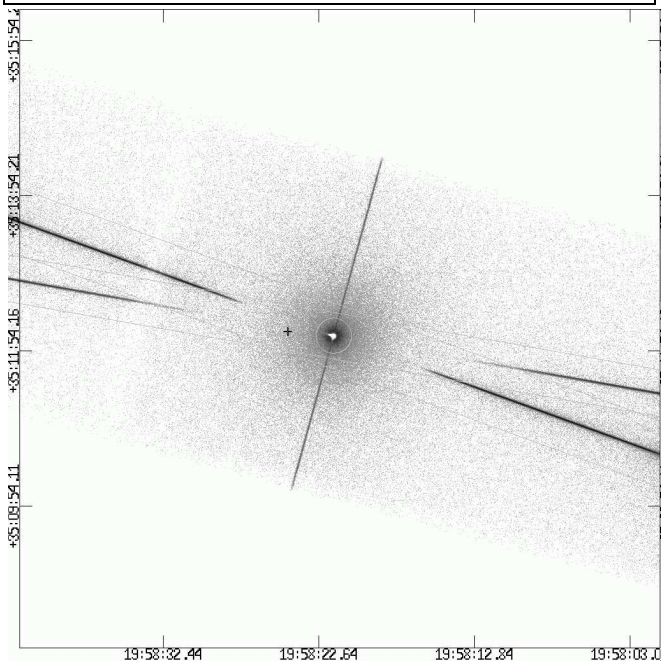
acisf02742N003 full img2.fits	acisf02742N003 cntr img2.fits





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Level 1 Observational Parameters		
Parameter	Value	Description
ASCDSVER	7.6.9	ASCDS version number
DATE	2006-10-11T19:29:21	Date and time of file creation
DATE-OBS	2002-01-30T01:23:31	Observation start date
DATE-END	2002-01-30T03:19:39	Observation end date
RA_PNT	299.60231796869	Pointing RA
DEC_PNT	35.202531006003	Pointing Dec
ROLL_PNT	15.235563222379	Pointing Roll
RA_TARG	299.590417	Observer's specified target RA
DEC_TARG	35.201611	Observer's specified target Dec
DATAMODE	GRADED	Data mode
READMODE	TIMED	Read mode
FP_TEMP	153.4460144	Focal Plane Temperature [K]
FSW_VERS	30	ACIS flight software version number

Level 2 Observational Parameters		
Parameter	Value	Description
ASCDSVER	7.6.9	ASCDS version number
DATE	2006-10-11T20:31:27	Date and time of file creation
DATE-OBS	2002-01-30T01:23:31	Observation start date
DATE-END	2002-01-30T03:19:39	Observation end date
INSTRUME	ACIS	Instrument
DETNAM	ACIS-456789	Detector
GRATING	HETG	Grating
OBJECT	CYG X-1	Source name
TITLE	PHASE RESOLVED HIGH ENERGY RESOLUTION SPECTROSCOPY OF THE BLACK HOLE X-RAY BAINARY CYGNUS X-1	Proposal title
OBSERVER	Prof. Shuang Nan Zhang	Principal investigator
OBS_ID	2742	Observation id
SEQ_NUM	400222	Sequence number
RA_NOM	299.60231796869	Nominal RA
DEC_NOM	35.202531006003	Nominal Dec
ROLL_NOM	15.235563222379	Nominal Roll

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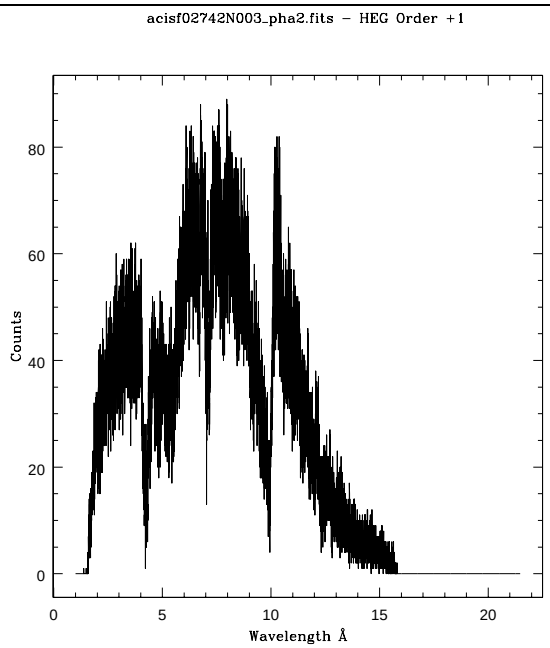
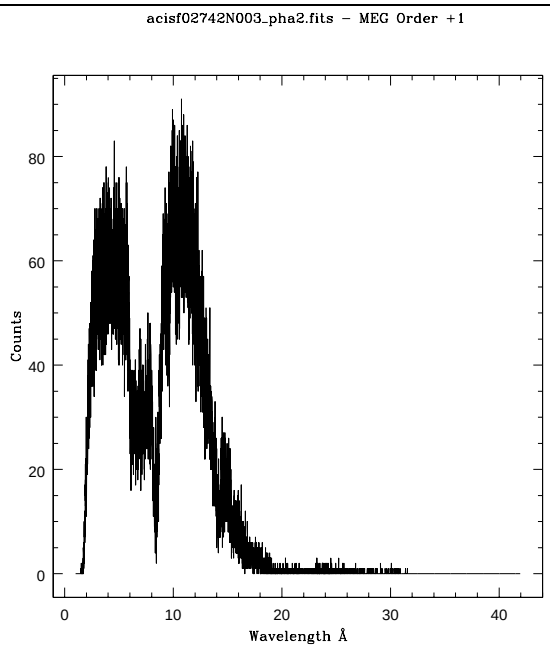
HEG +1 Order



MEG +1 Order