

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3806 - L2 Version 001
Chandra X-Ray Center

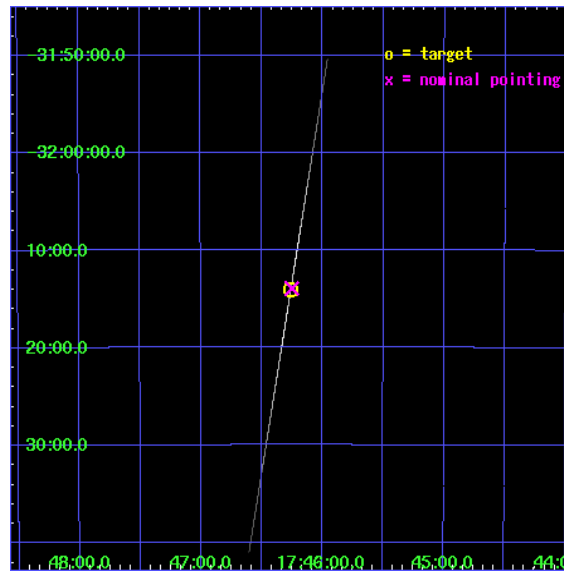
L2 Processing Date : Jul 13 2006

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1 Front

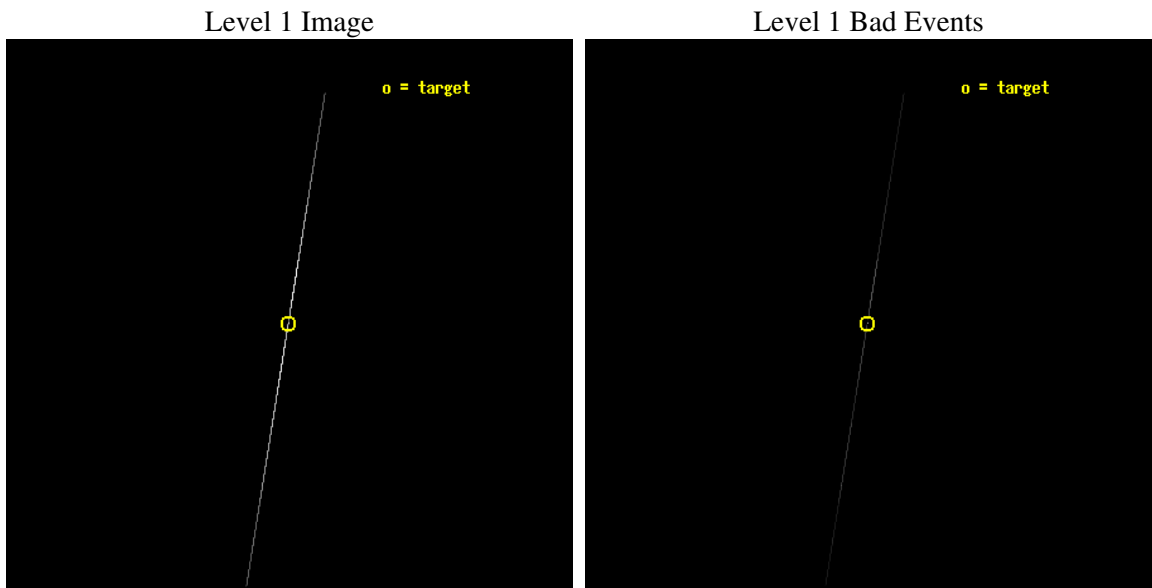
seq_num	400293
obs_id	3806
title	DIAGNOSING THE ACCRETION FLOW GEOMETRY OF A GALACTIC BLACK HOLE IN OUTBURST WITH CHANDRA
observer	Prof. Walter Lewin
object	H1743-322
ra_targ	266.565042
dec_targ	-32.2335
ra_nom	266.5628231733
dec_nom	-32.232292848279
roll_nom	279.14479803385
revision	3
ontime	50198.0
livetime	50001.9140625
ontime4	50198.0
ontime5	50198.0
ontime6	50198.0
ontime7	50198.0
ontime8	50198.0
ontime9	50198.0
l2events	9989379



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-12T18:16:19
revision	2

sched_exp_time	49418.000000
ontime	50420.73619929
ontime4	50368.206595421
ontime5	50477.64287281
ontime6	50372.582978636
ontime7	50420.73619929
ontime8	50371.123025477
ontime9	50375.500250638
l1events	10783074

2.1.3 Events

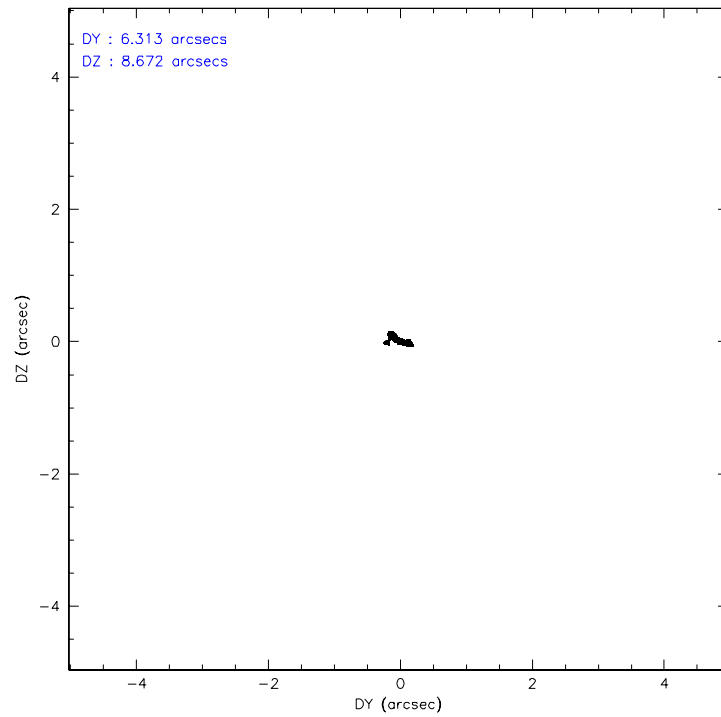
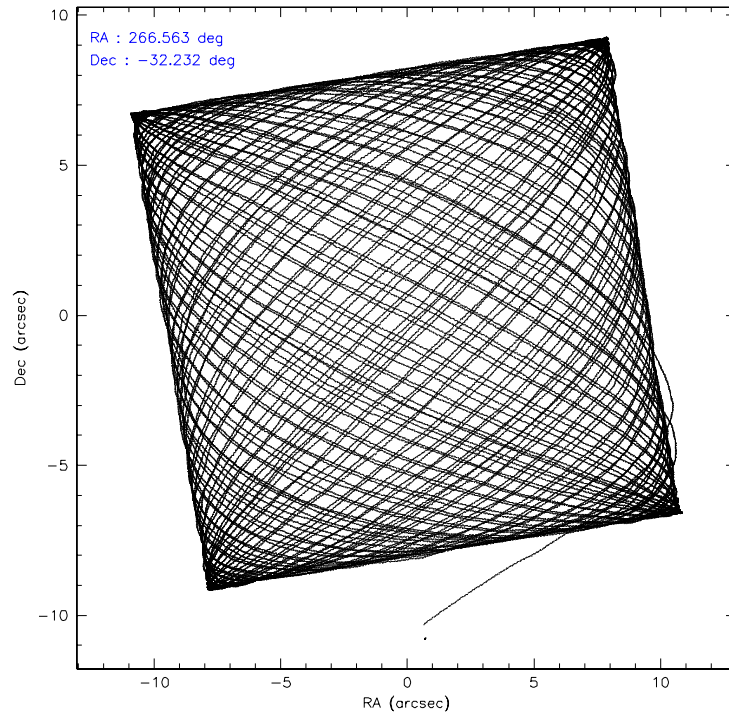
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	166627	818234	3801123	4585294	1197836	213960
rejected events	12065	35404	39897	90698	24372	14209
rejected %	7%	4%	1%	1%	2%	6%

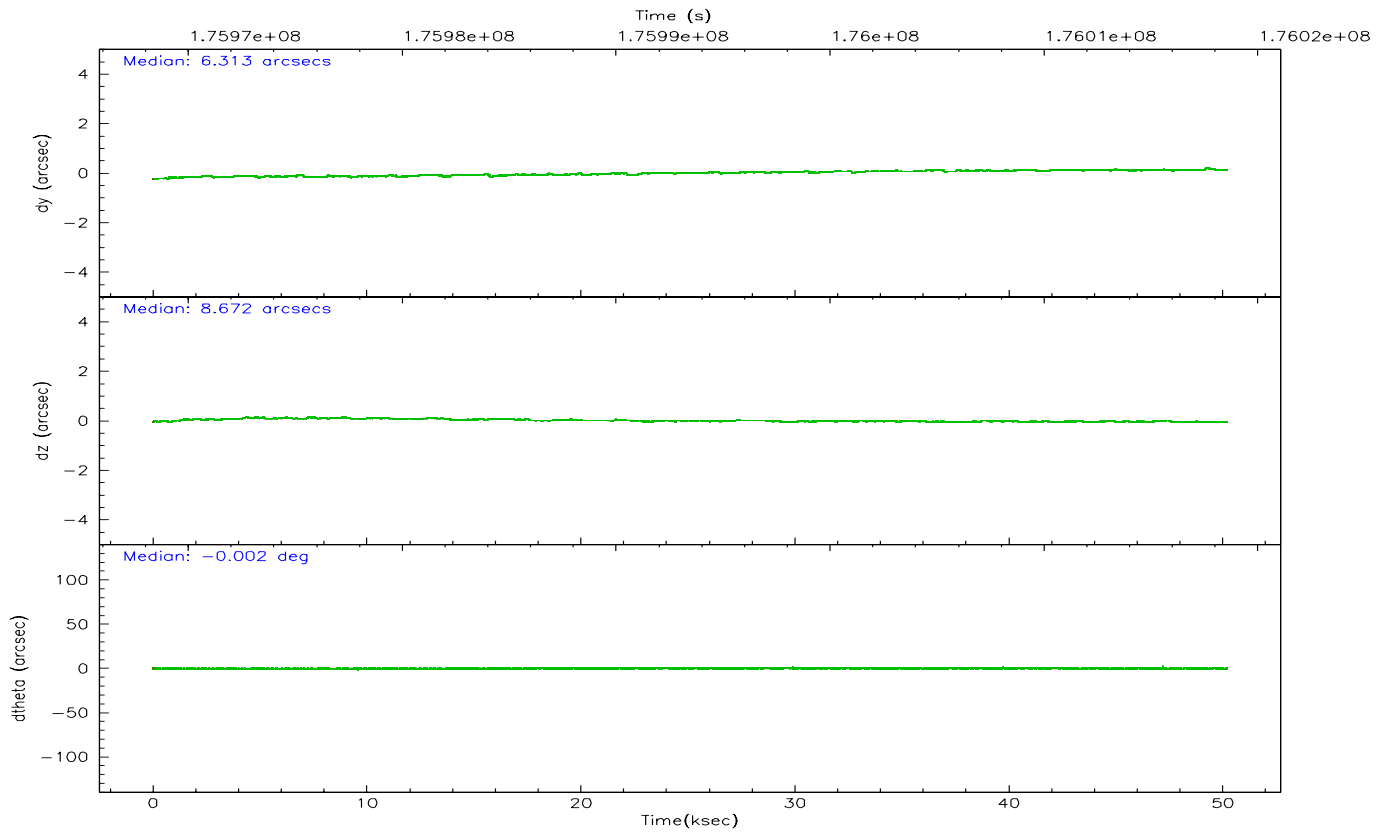
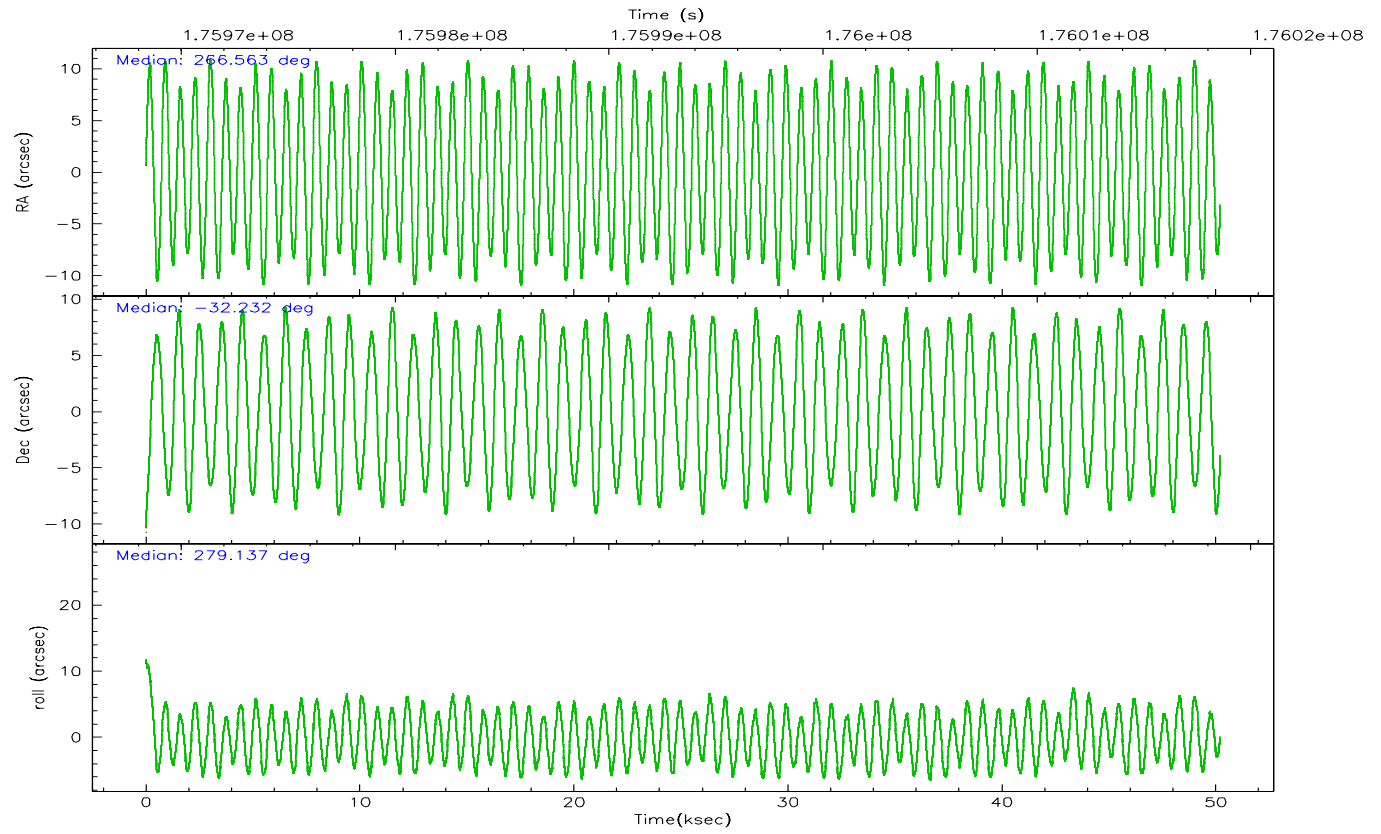
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	13358	107415	1228709	721516	638399	25281
	8%	13%	32%	15%	53%	11%
grade 1 events	261	384	3488	4335	1962	256
	0%	0%	0%	0%	0%	0%
grade 2 events	106591	327520	2134035	1311645	390856	134636
	63%	40%	56%	28%	32%	62%
grade 3 events	7831	34083	65179	412395	38389	7414
	4%	4%	1%	8%	3%	3%
grade 4 events	7891	33473	65342	407900	38570	8036
	4%	4%	1%	8%	3%	3%
grade 5 events	11465	31339	30870	75702	20254	13506
	6%	3%	0%	1%	1%	6%
grade 6 events	19230	284020	273500	1651801	69406	24831
	11%	34%	7%	36%	5%	11%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	CC33_GRADED	CC33_GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	266.542166	266.5628231733025	Alternating exposures requested	N	N
Pointing Dec	-32.211410	-32.23229284827934	Primary exposure time	0.000000	0
Pointing Roll	278.977153	279.1447980338455			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.632523	-182.6373491900168			
SIM translation stage offset (mm)	-7.5	-7.495173392990978			
Observation start time	175969139.184000	175967878.89857			
Observation start date	2003-07-30T16:17:55	2003-07-30T15:57:58			
Observation end time	176018557.184000	176019232.42576			
Observation end date	2003-07-31T06:01:33	2003-07-31T06:13:52			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



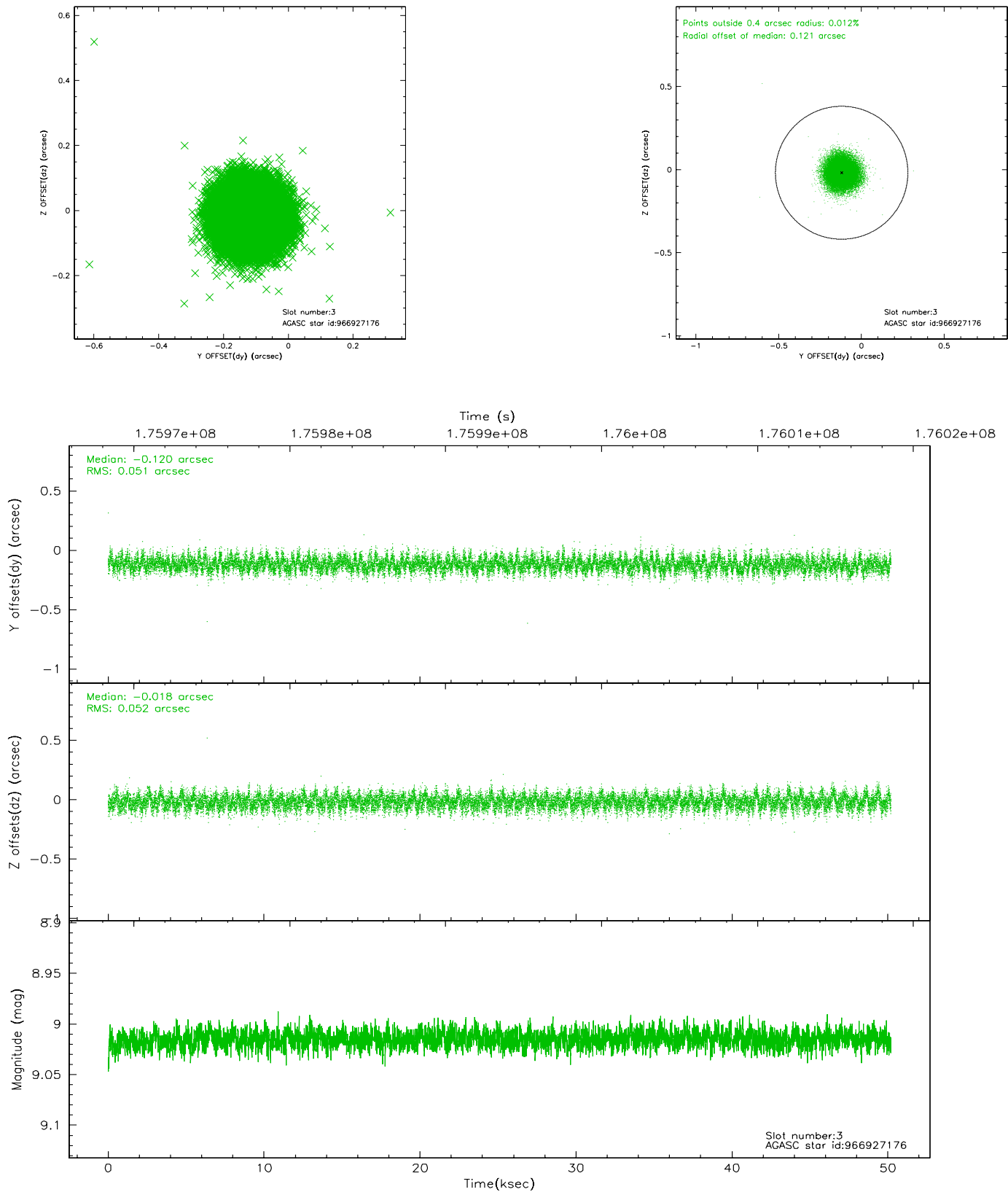


Slot Statistics

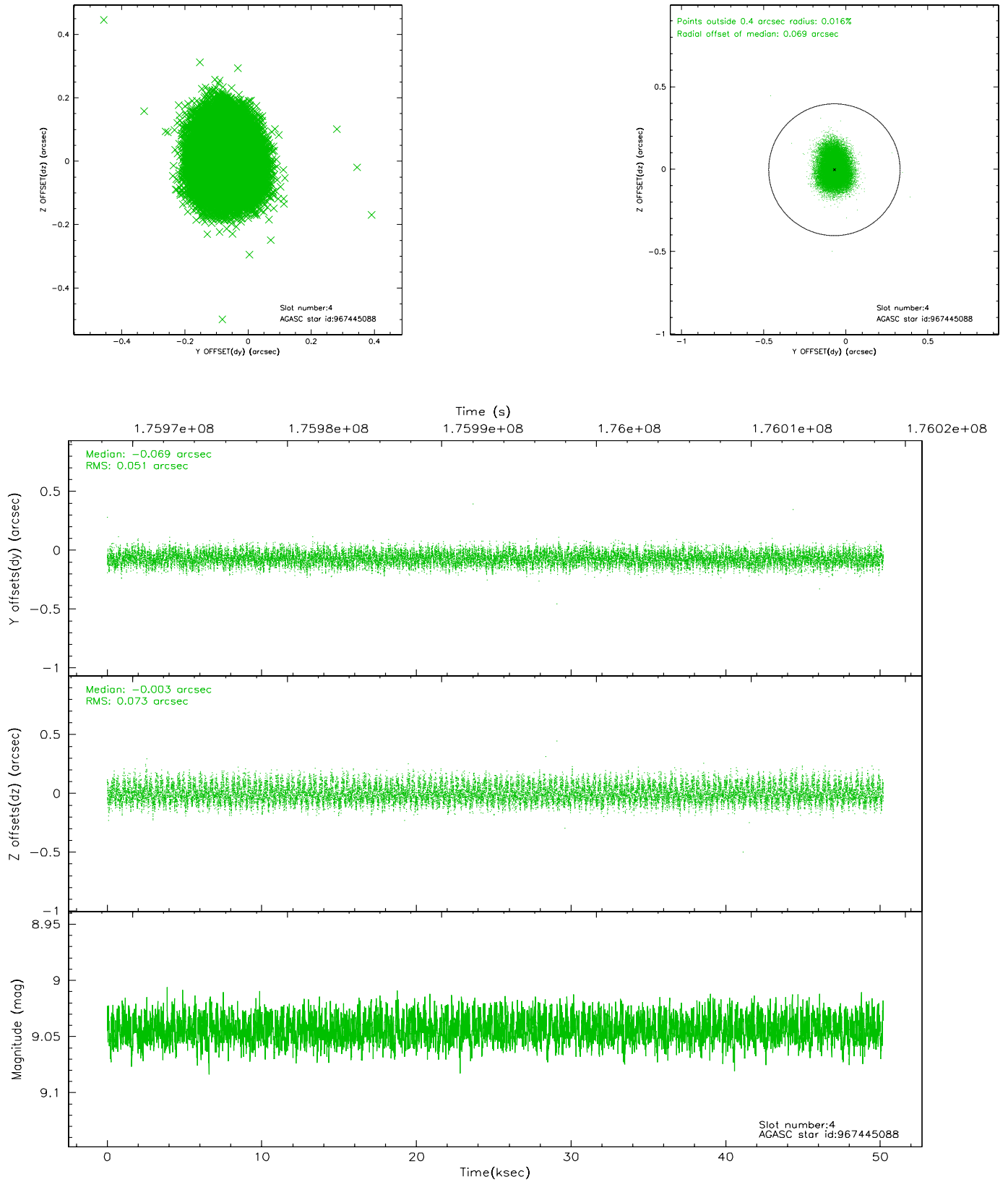
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	12243	-0.065	-0.103	0.007	0.012	0.000000	0.000000	-758.63	-1884.40
1	FID	ACIS-S-4	7.18	12244	0.057	0.059	0.005	0.009	0.000000	0.000000	2154.84	24.15
2	FID	ACIS-S-5	7.22	12244	-0.023	0.052	0.007	0.011	0.000000	0.000000	-1811.40	17.91
3	GUIDE	966927176	9.02	24478	-0.120	-0.018	0.079	0.125	265.946853	-31.673679	-2191.50	-1500.48
4	GUIDE	967445088	9.04	24484	-0.069	-0.003	0.096	0.150	265.761342	-32.072953	-855.12	-2276.25
5	GUIDE	967445480	9.52	24474	0.089	-0.021	0.133	0.214	265.952488	-32.551519	935.61	-1959.08
6	GUIDE	967446352	7.75	24485	0.135	0.099	0.064	0.101	267.069988	-32.671157	1888.67	1321.44
7	GUIDE	967451816	9.29	24467	-0.036	-0.065	0.103	0.158	267.266669	-31.901374	-749.52	2360.23

2.4 Star Slots

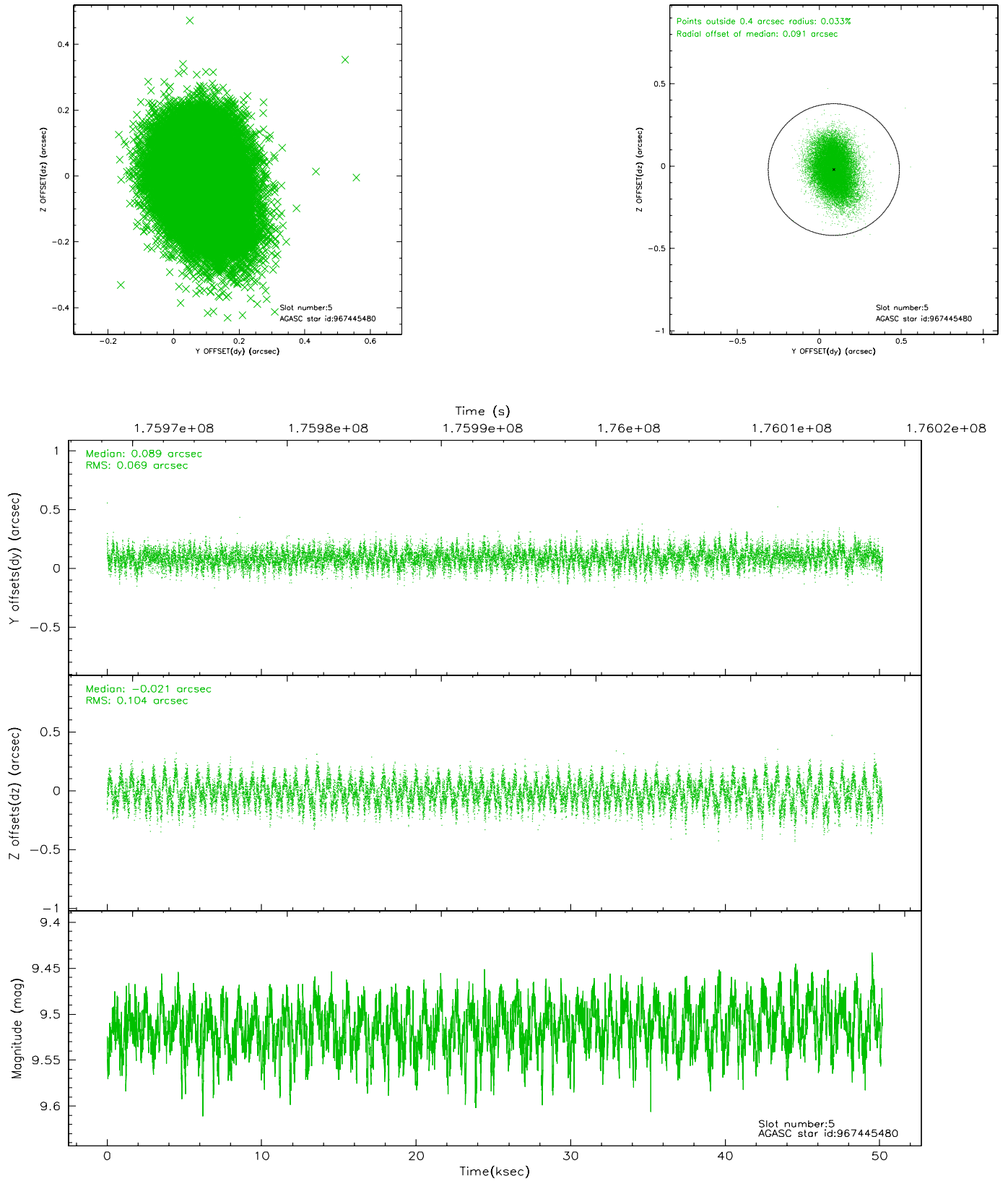
2.4.1 Slot 3



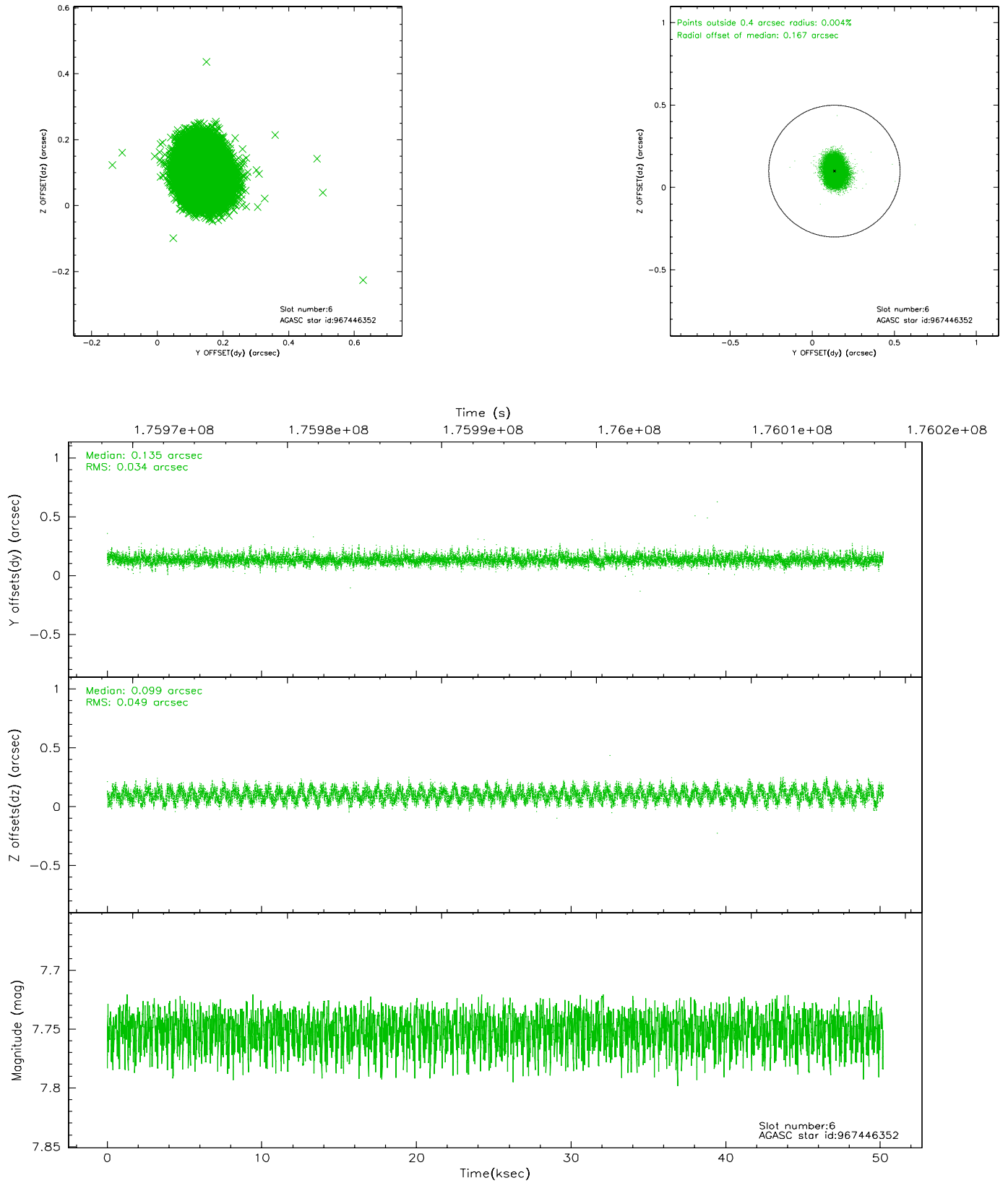
2.4.2 Slot 4



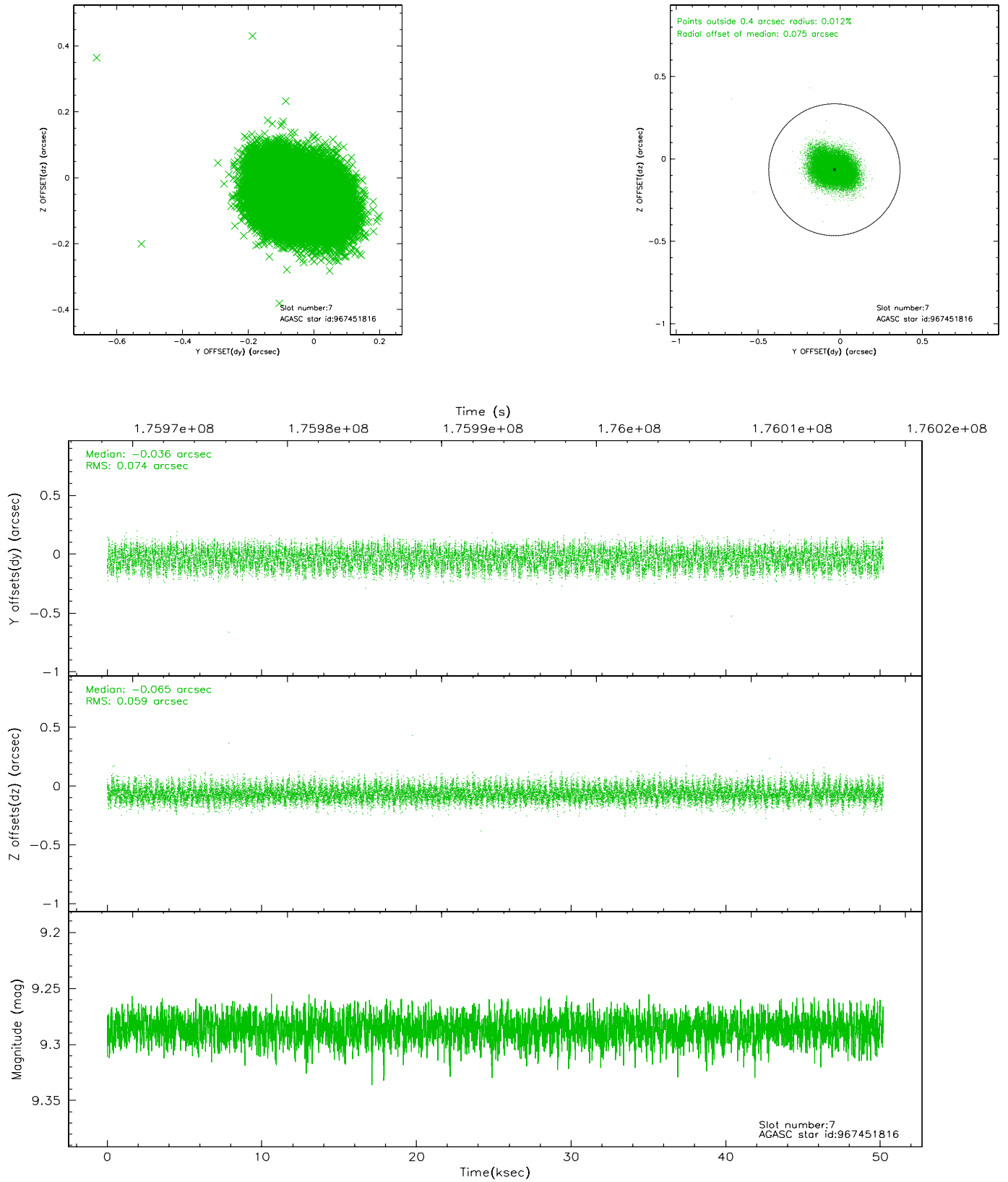
2.4.3 Slot 5



2.4.4 Slot 6

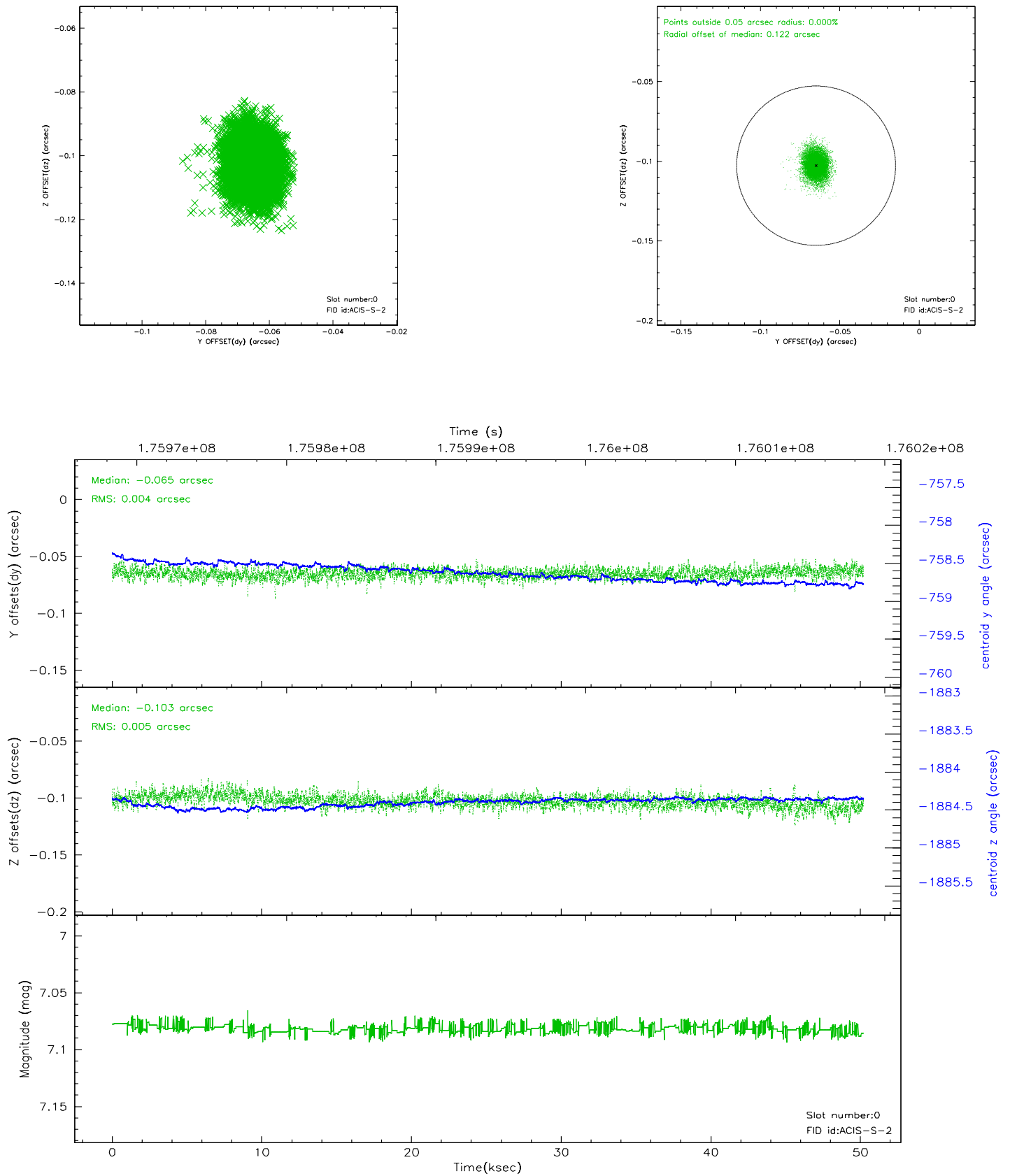


2.4.5 Slot 7

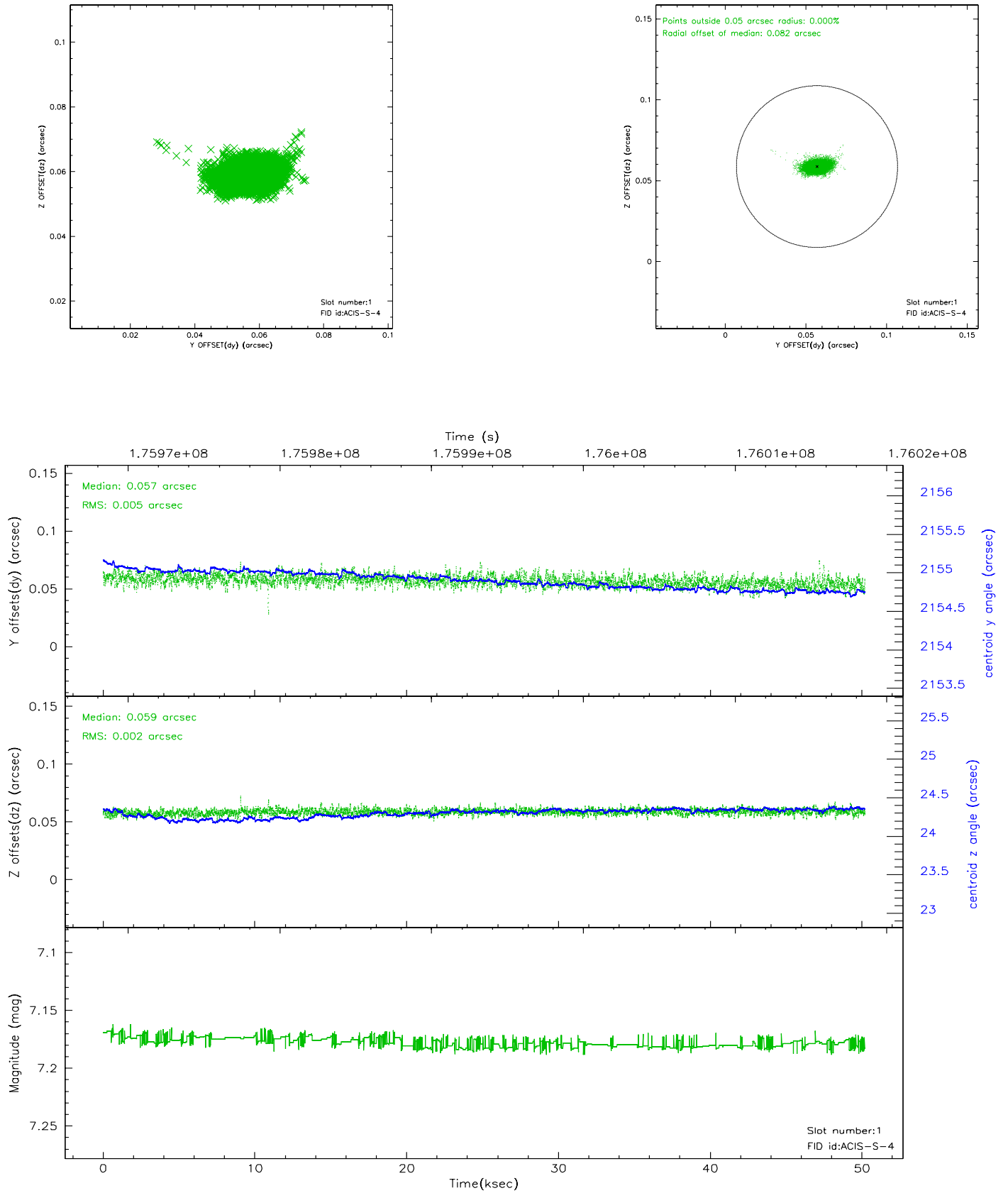


2.5 FID Slots

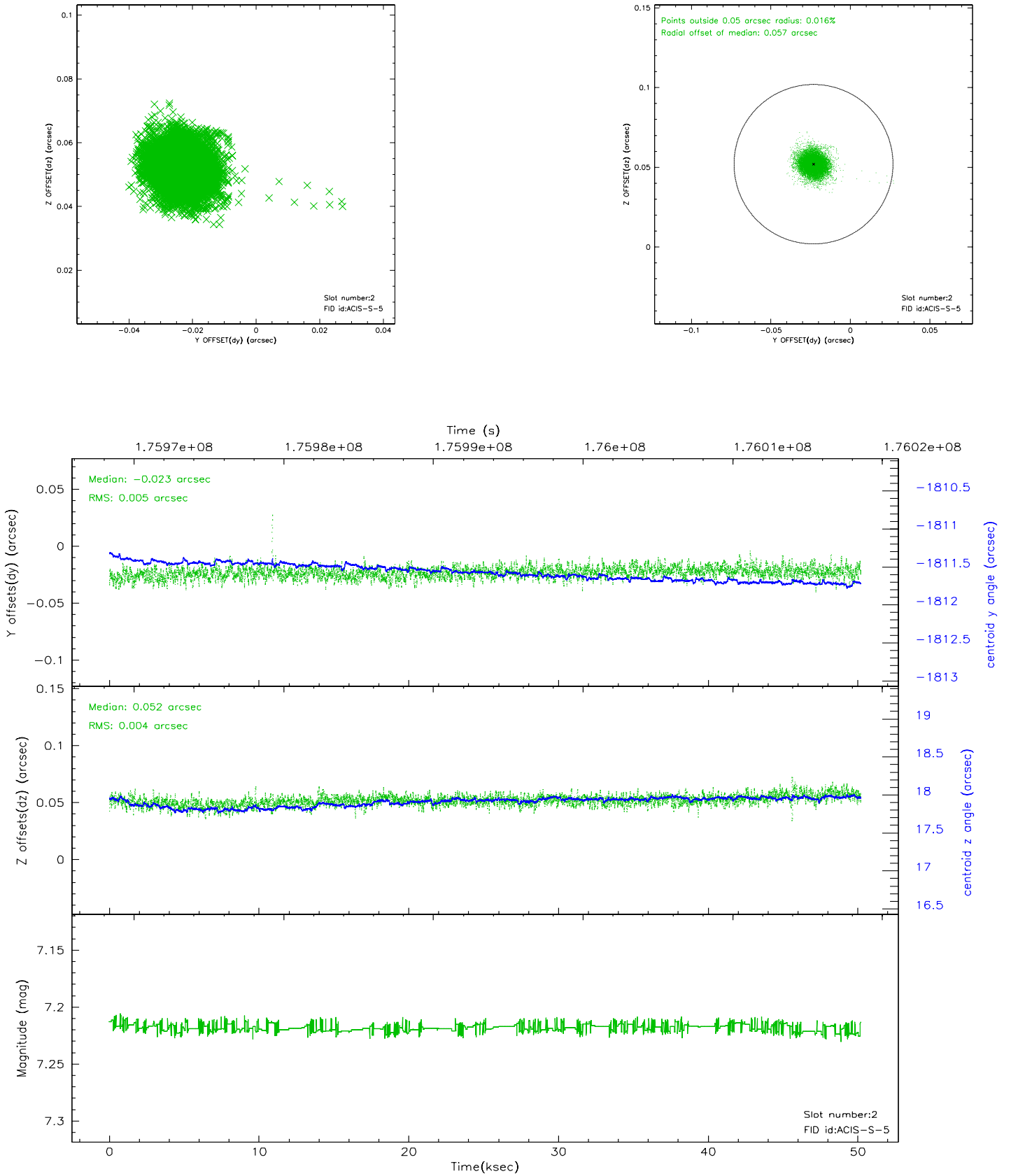
2.5.1 Slot 0



2.5.2 Slot 1

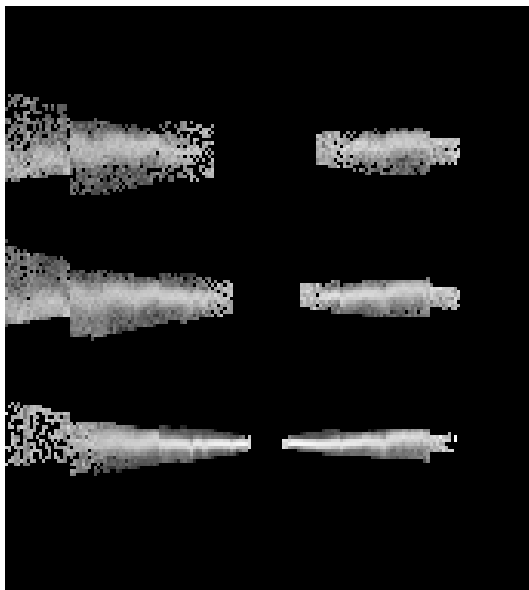


2.5.3 Slot 2



3 Gratings

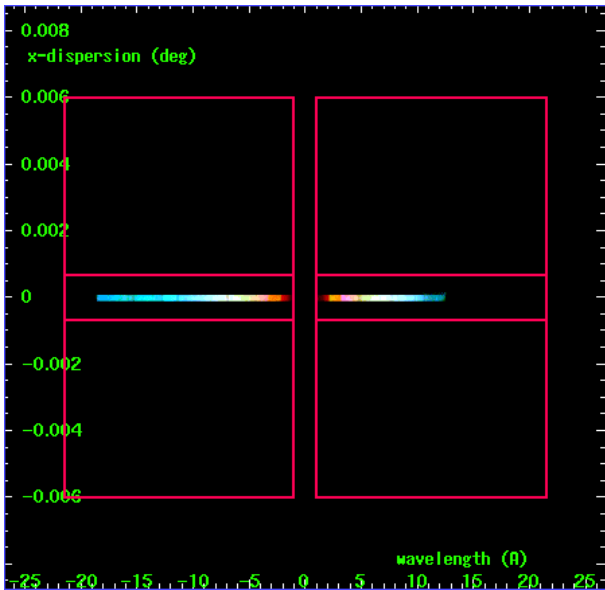
3.1 HEG Arm



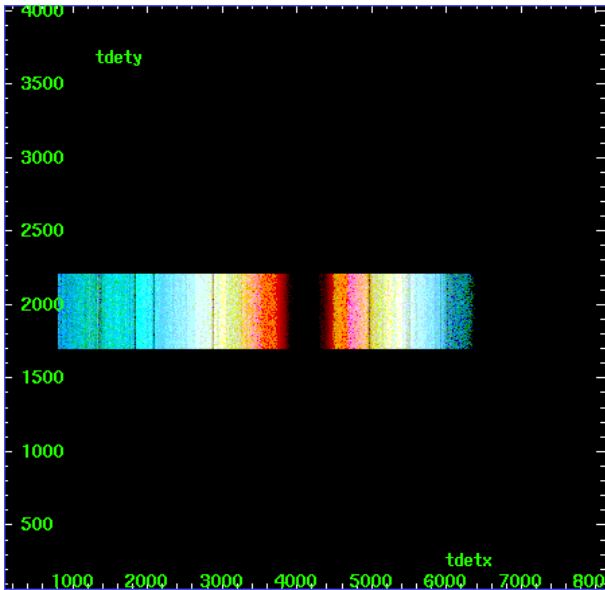
HEG Order Sort 123



HEG Order Sort ALL

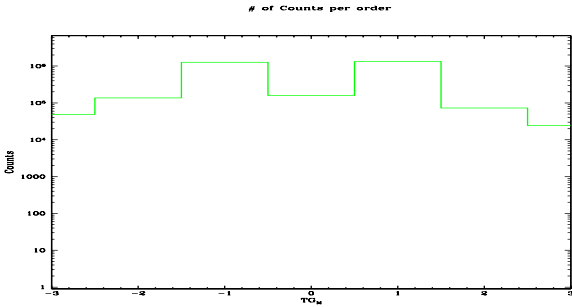


Spot Image HEG

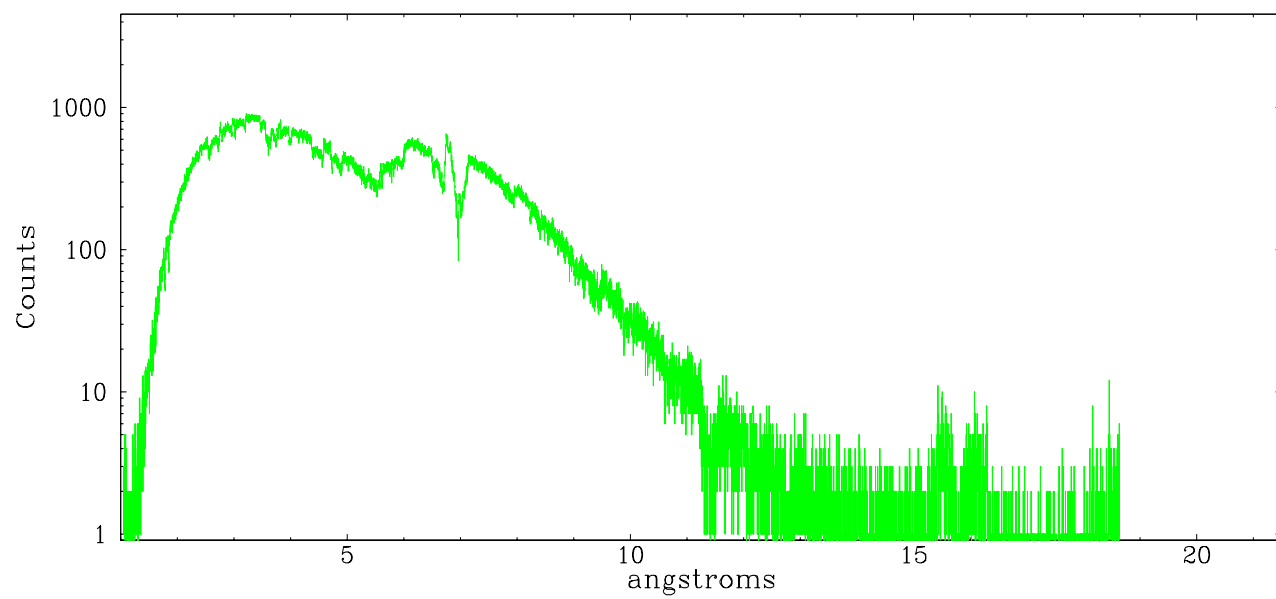


Full Detector HEG

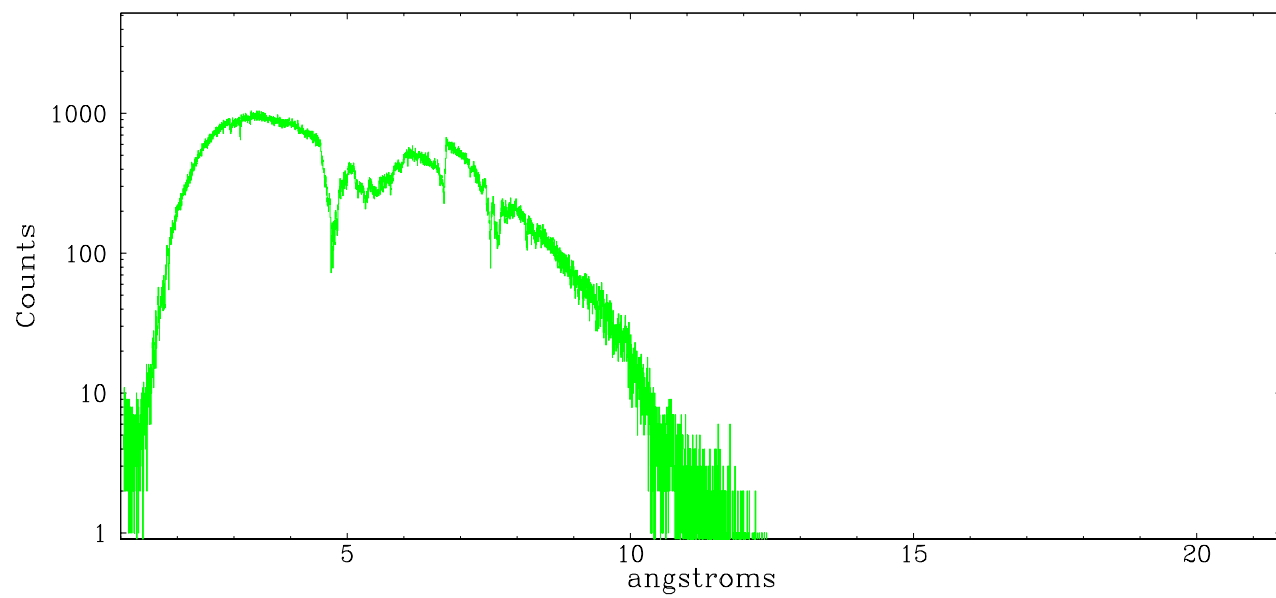
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	48916	136084	1266218	158846	1323213	73099	24378



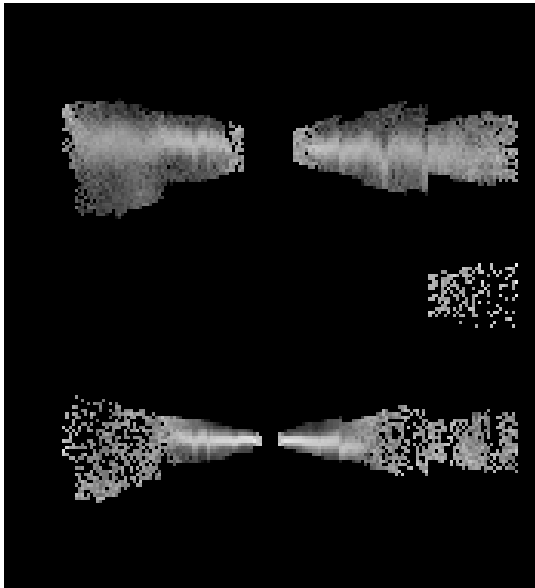
heg order -1



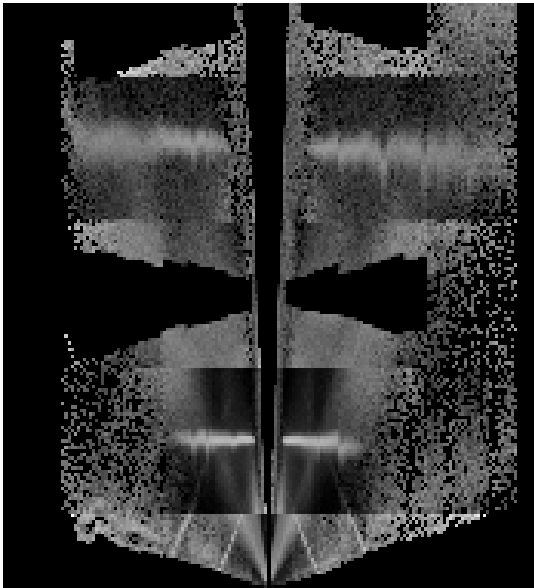
heg order +1



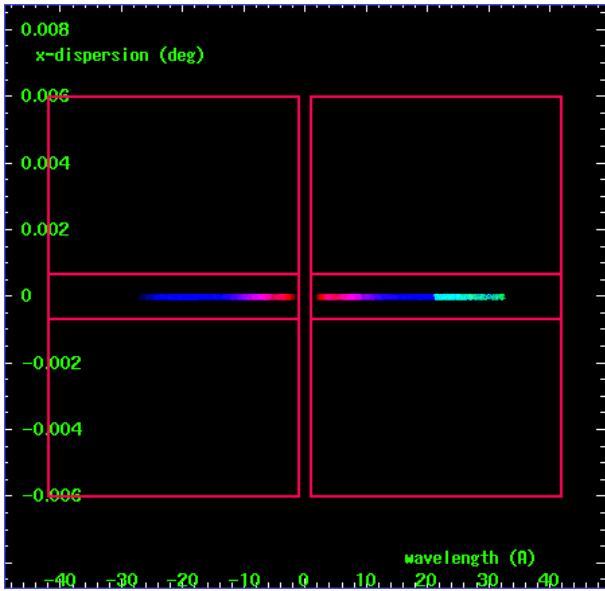
3.2 MEG Arm



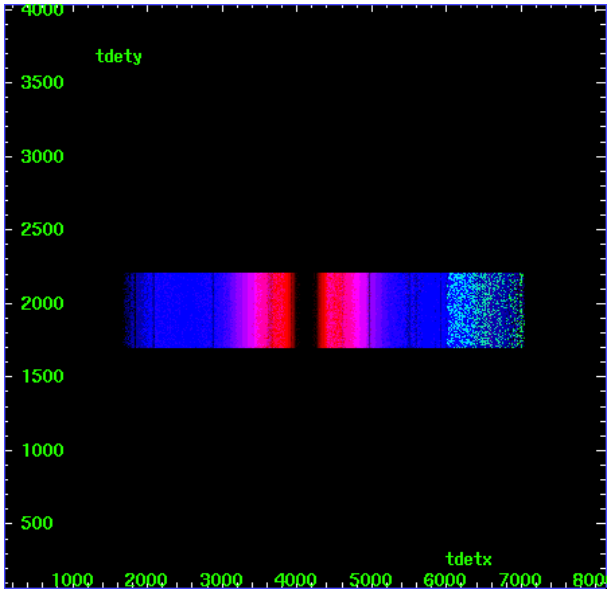
MEG Order Sort 123



MEG Order Sort ALL

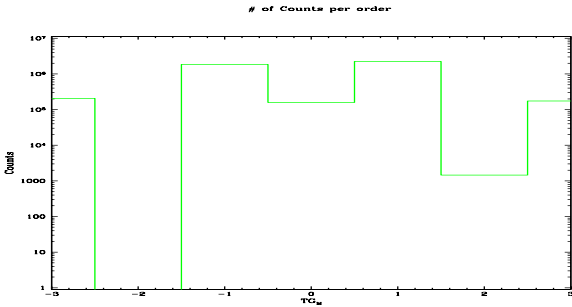


Spot Image MEG

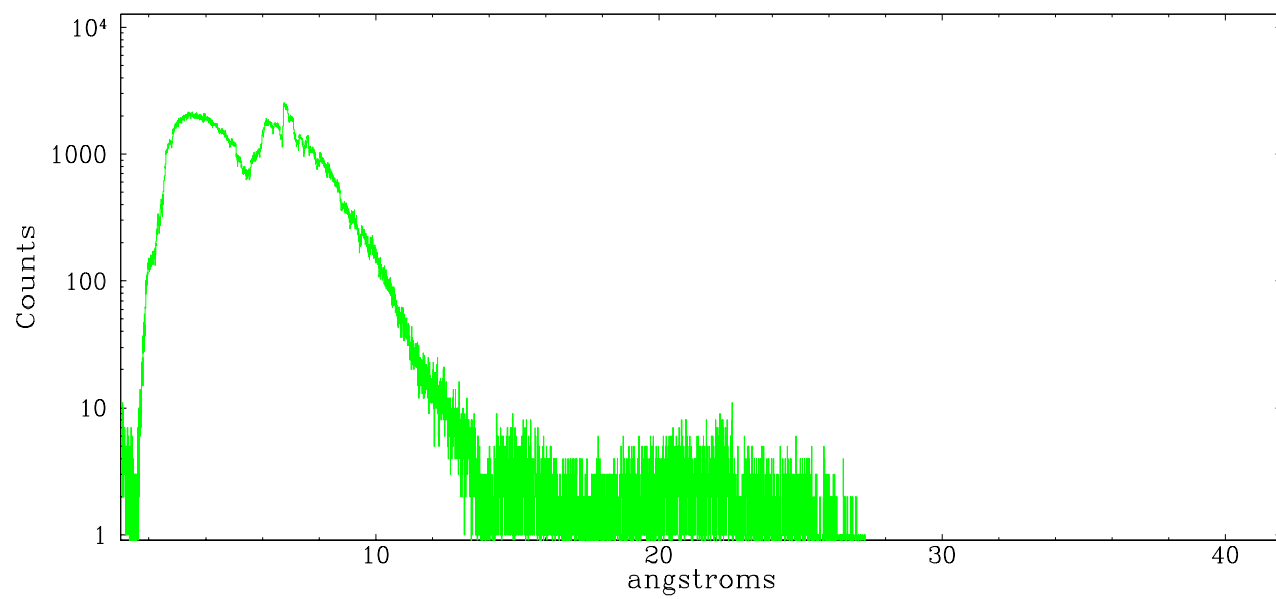


Full Detector MEG

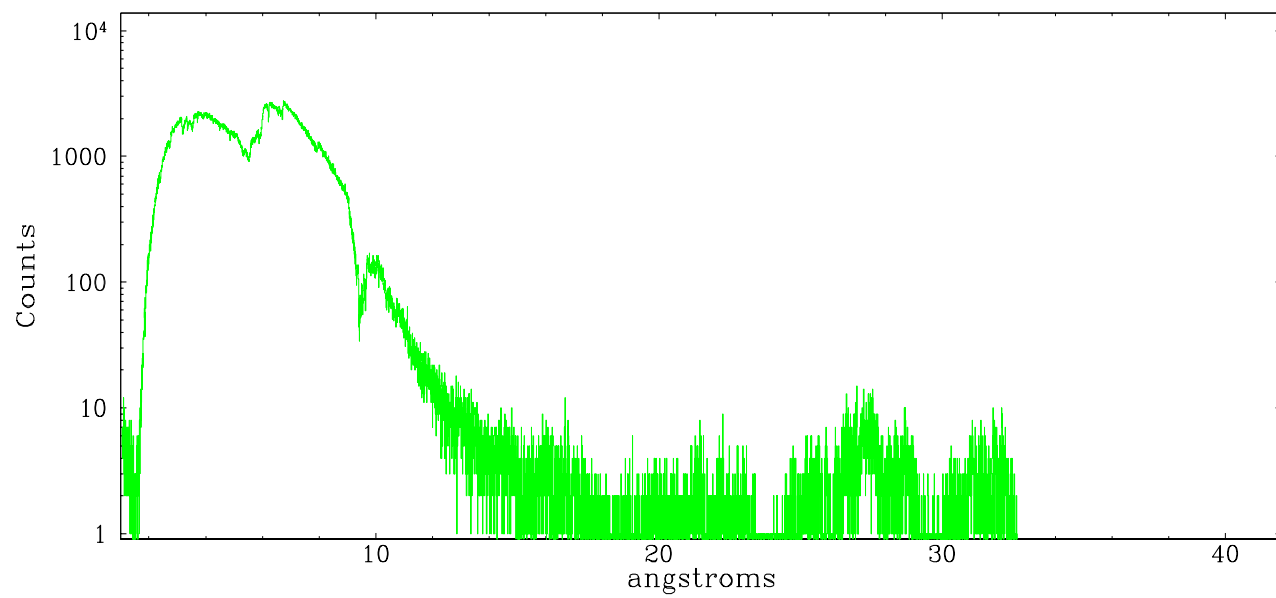
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	205703	0	1843632	158846	2248741	1462	173841



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.2

A.2 Comments