

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3755 - L2 Version 001
Chandra X-Ray Center

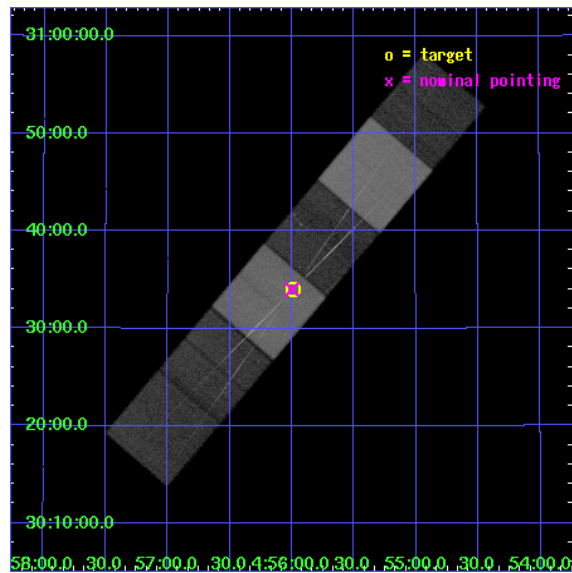
L2 Processing Date : Jun 27 2006

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1 Front

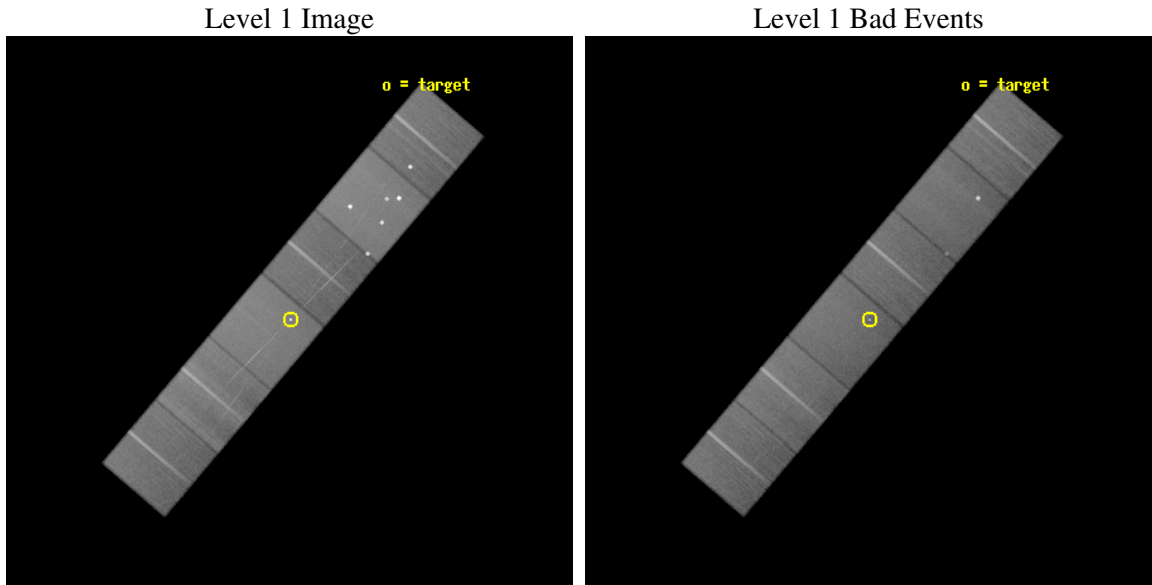
seq_num	200225
obs_id	3755
title	HIGH-RESOLUTION SPECTROSCOPY OF THE CLASSICAL T TAURI STAR SU AUR
observer	DR KESTER SMITH
object	SU AUR
dtycle	0
cycle	P
ra_targ	73.9975
dec_targ	30.567083
ra_nom	74.000094184248
dec_nom	30.567023265868
roll_nom	130.37281610638
revision	2
ontime	99772.799628317
livetime	98509.416363456
ontime4	99769.558658063
ontime5	99772.799628317
ontime6	99772.799628317
ontime7	99772.799628317
ontime8	99772.799628317
ontime9	99772.799628317
l2events	813688



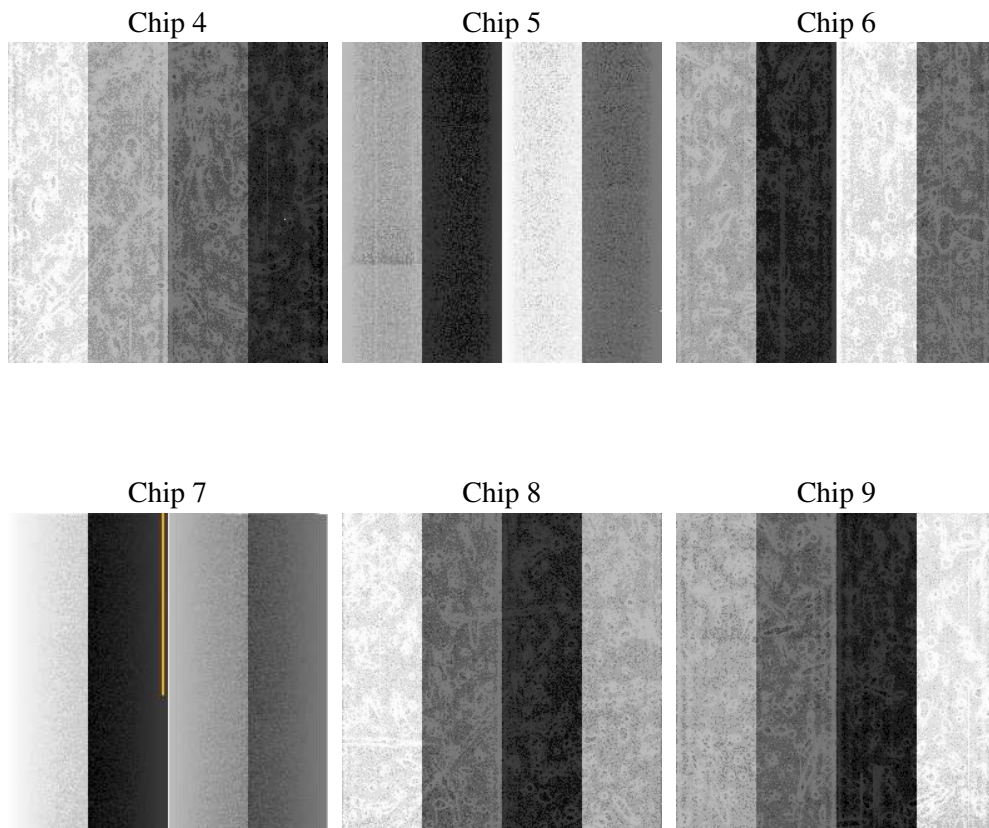
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	5
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-27T03:55:07
revision	2

sched_exp_time	99632.733000
ontime	99855.486009151
ontime4	99852.245038897
ontime5	99855.486009151
ontime6	99855.486009151
ontime7	99855.486009151
ontime8	99855.486009151
ontime9	99855.486009151
l1events	3825304

2.1.4 Events

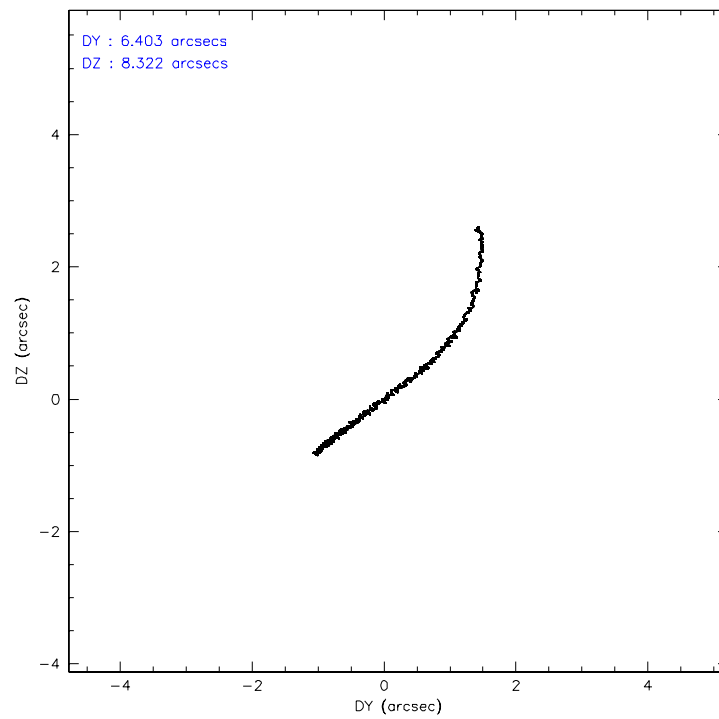
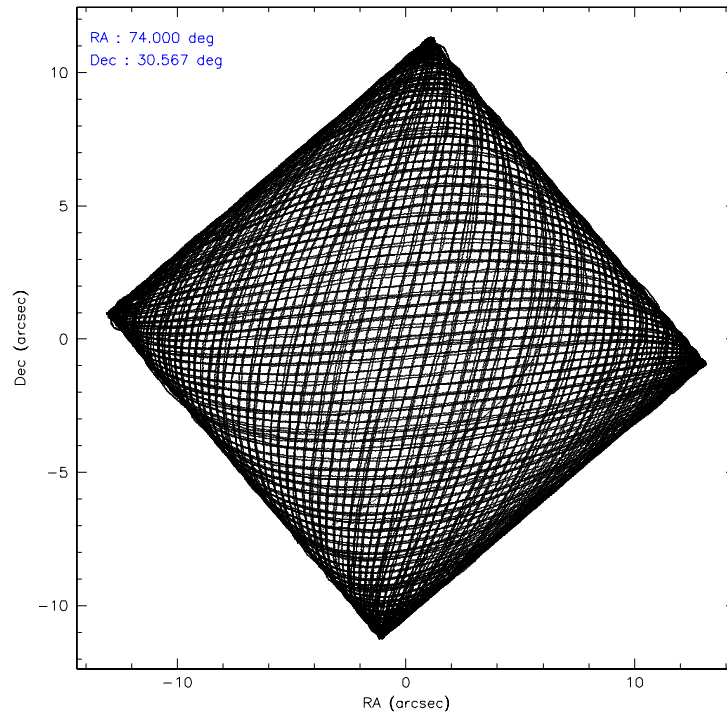
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	573810	848823	519492	714619	659766	508794
rejected events	488671	445044	449001	438945	517655	445110
rejected %	85%	52%	86%	61%	78%	87%

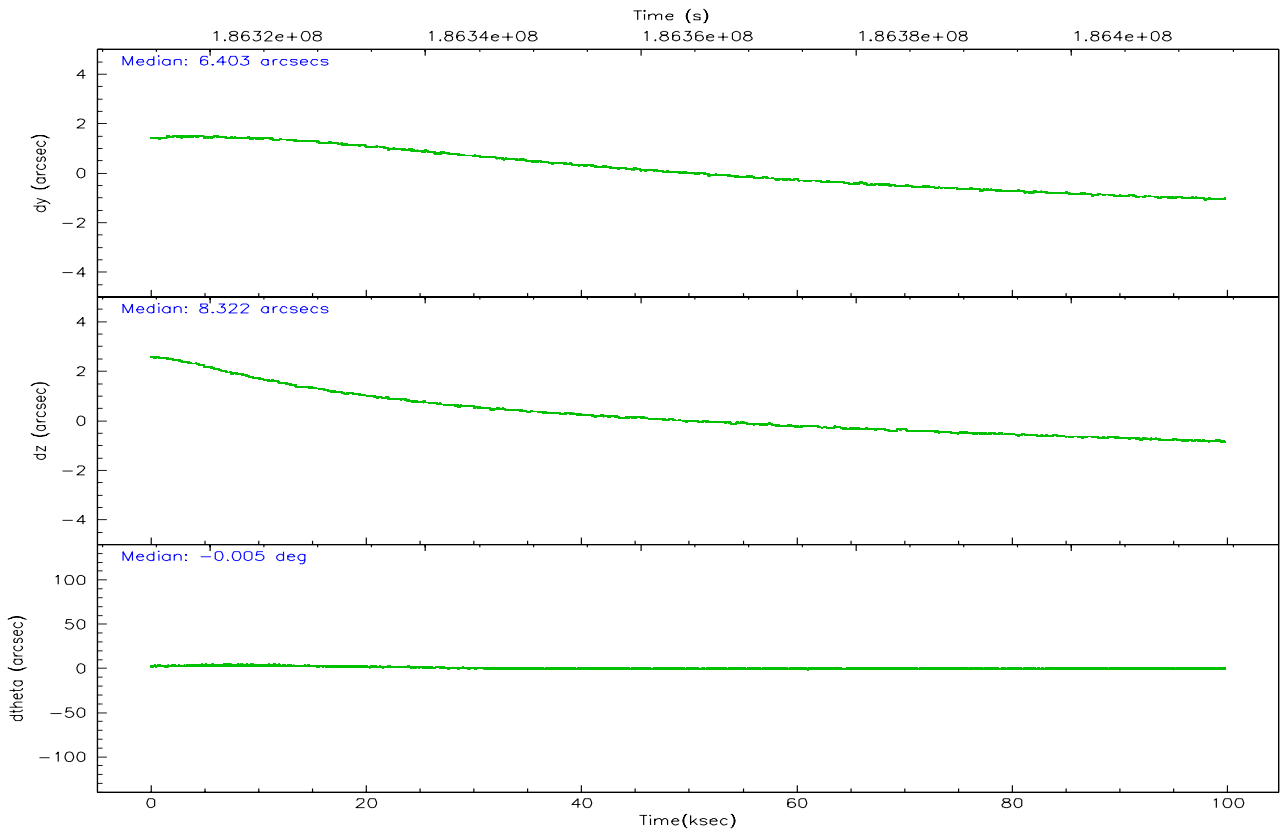
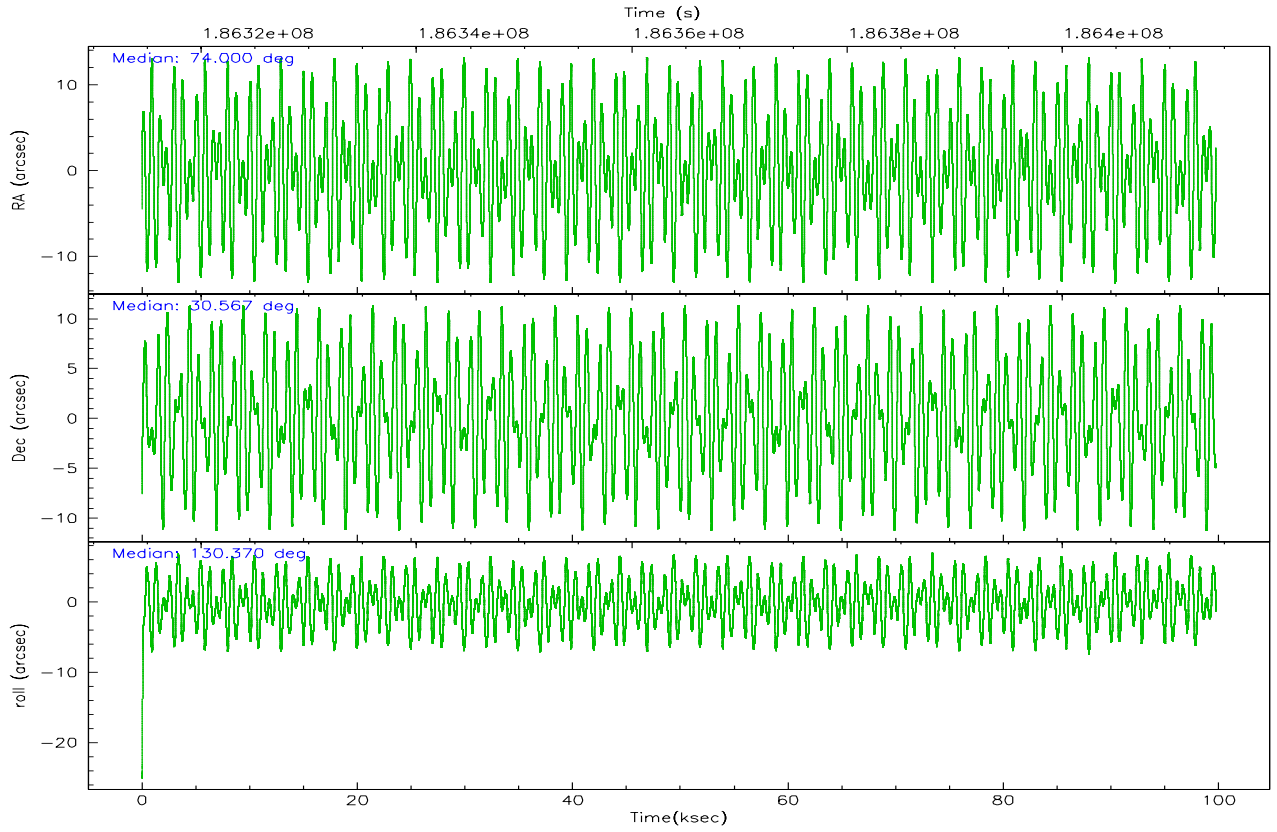
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	49147	78946	30997	17062	46543	26299
	8%	9%	5%	2%	7%	5%
grade 1 events	564	1219	261	490	450	234
	0%	0%	0%	0%	0%	0%
grade 2 events	12938	118995	13631	68182	30337	12328
	2%	14%	2%	9%	4%	2%
grade 3 events	6596	8200	6347	14432	14894	6491
	1%	0%	1%	2%	2%	1%
grade 4 events	6339	7377	6354	14034	14013	6159
	1%	0%	1%	1%	2%	1%
grade 5 events	23198	41265	24552	46560	32040	26185
	4%	4%	4%	6%	4%	5%
grade 6 events	10188	190596	13210	162172	36390	12455
	1%	22%	2%	22%	5%	2%
grade 7 events	464840	402225	424140	391687	485099	418643
	81%	47%	81%	54%	73%	82%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	74.030017	74.00009418424821	Alternating exposures requested	N	N
Pointing Dec	30.558229	30.56702326586764	Primary exposure time	0.000000	3.2
Pointing Roll	130.200980	130.3728161063816			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1254020033014			
SIM translation stage offset (mm)	-3	-3.007120579706367			
Observation start time	186314645.184000	186313426.76817			
Observation start date	2003-11-27T10:03:01	2003-11-27T09:43:46			
Observation end time	186414278.184000	186414592.22256			
Observation end date	2003-11-28T13:43:34	2003-11-28T13:49:52			
Read mode	TIMED	TIMED			

2.3 Aspect



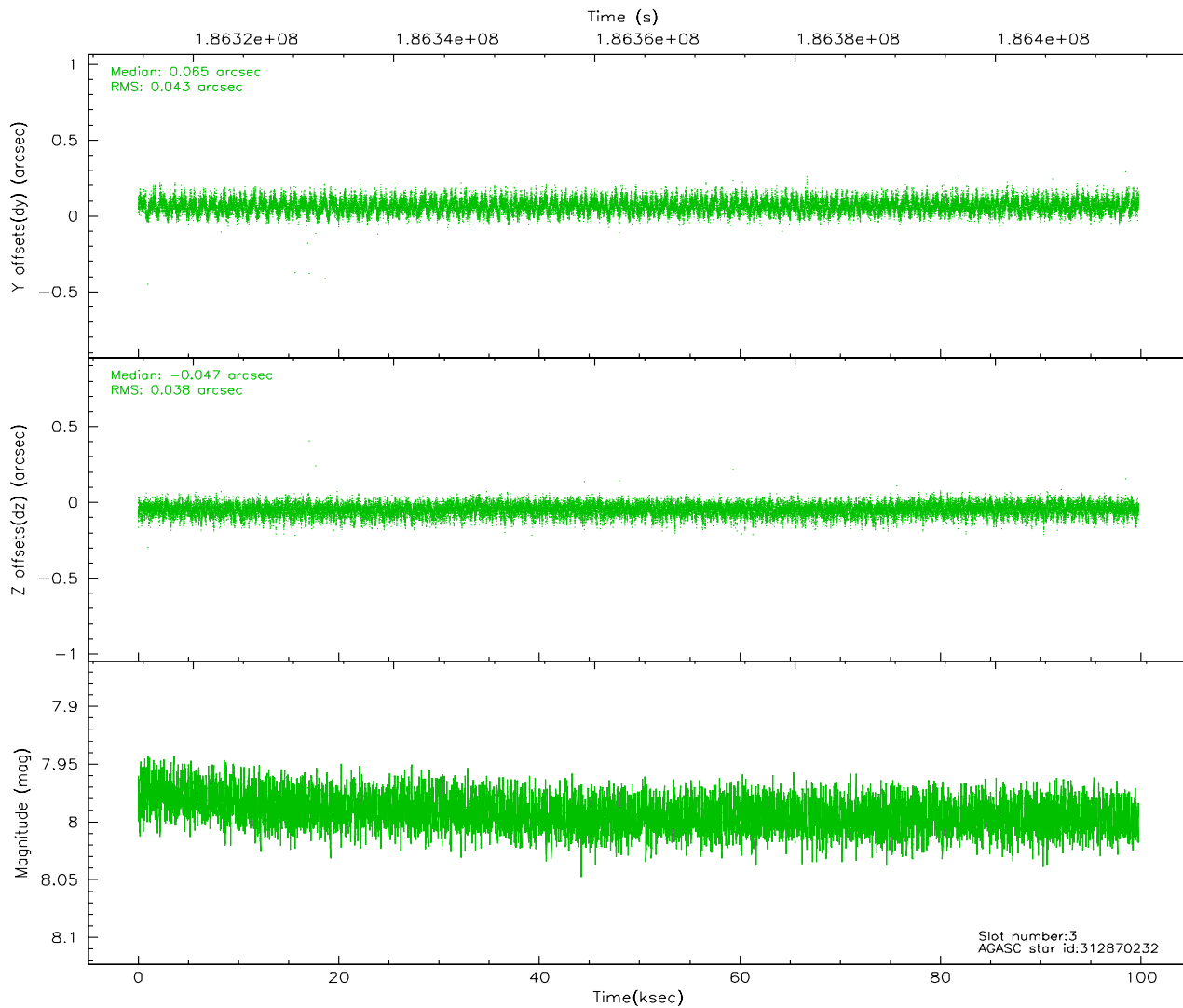
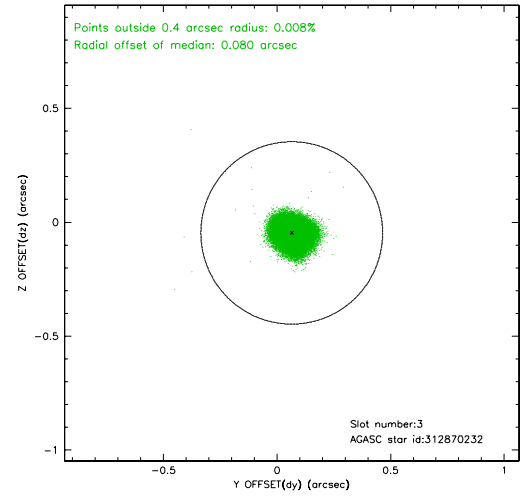
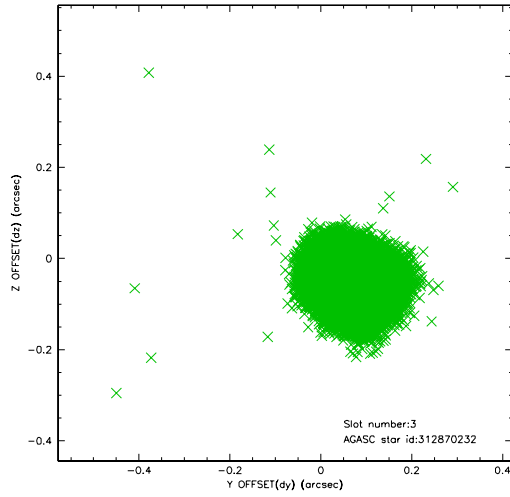


Slot Statistics

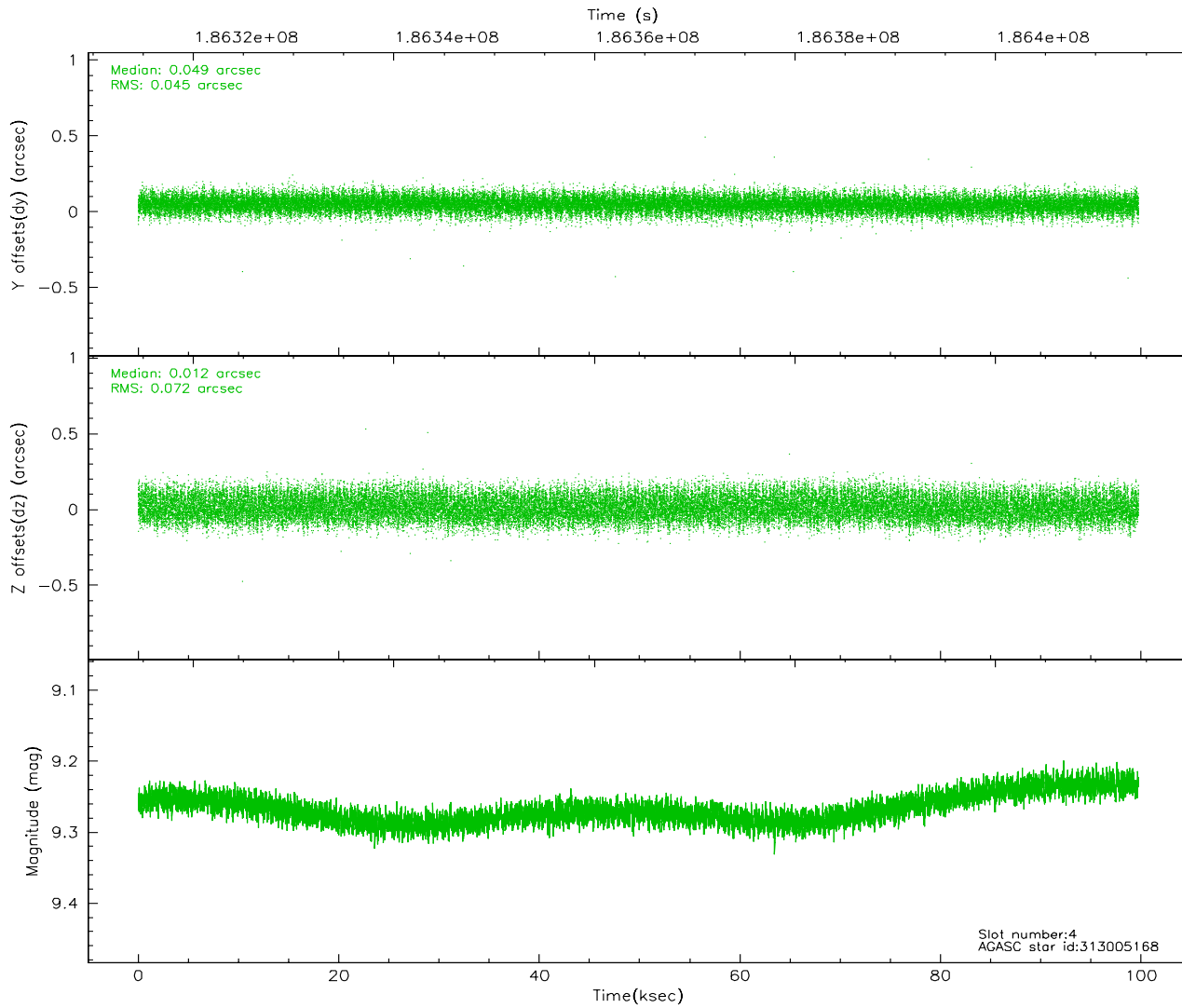
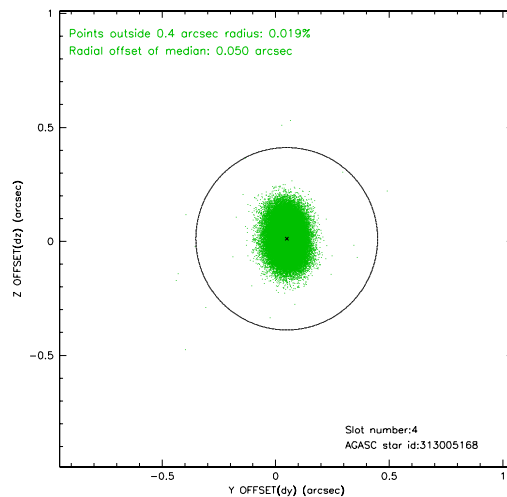
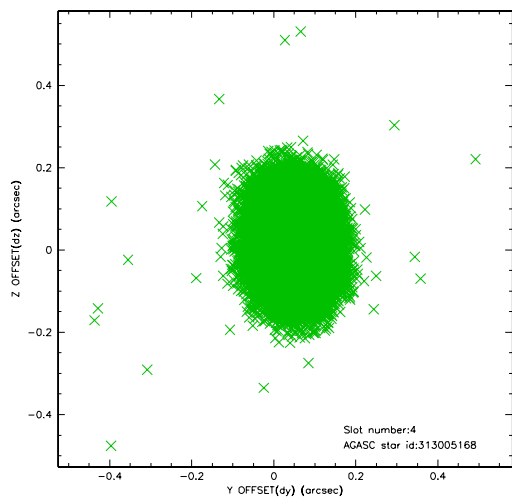
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	24333	-0.008	0.021	0.030	0.059	0.000000	0.000000	936.95	-1787.49
1	FID	ACIS-S-4	7.20	24334	0.040	-0.007	0.033	0.053	0.000000	0.000000	2154.35	116.72
2	FID	ACIS-S-5	7.23	24336	-0.062	0.001	0.023	0.031	0.000000	0.000000	-1812.09	110.24
3	GUIDE	312870232	7.99	48666	0.065	-0.047	0.061	0.097	73.950966	30.337905	-447.13	699.68
4	GUIDE	313005168	9.27	48647	0.049	0.012	0.091	0.146	74.639616	30.697641	-830.56	-1768.37
5	GUIDE	313006640	9.04	48647	0.060	-0.030	0.085	0.139	74.535303	30.638765	-785.84	-1384.80
6	GUIDE	313012784	8.26	48663	0.070	0.139	0.050	0.080	74.505645	30.125716	-2142.71	-127.94
7	GUIDE	312872256	8.04	48668	-0.243	-0.071	0.046	0.075	73.250802	30.830210	2308.82	1202.66

2.4 Star Slots

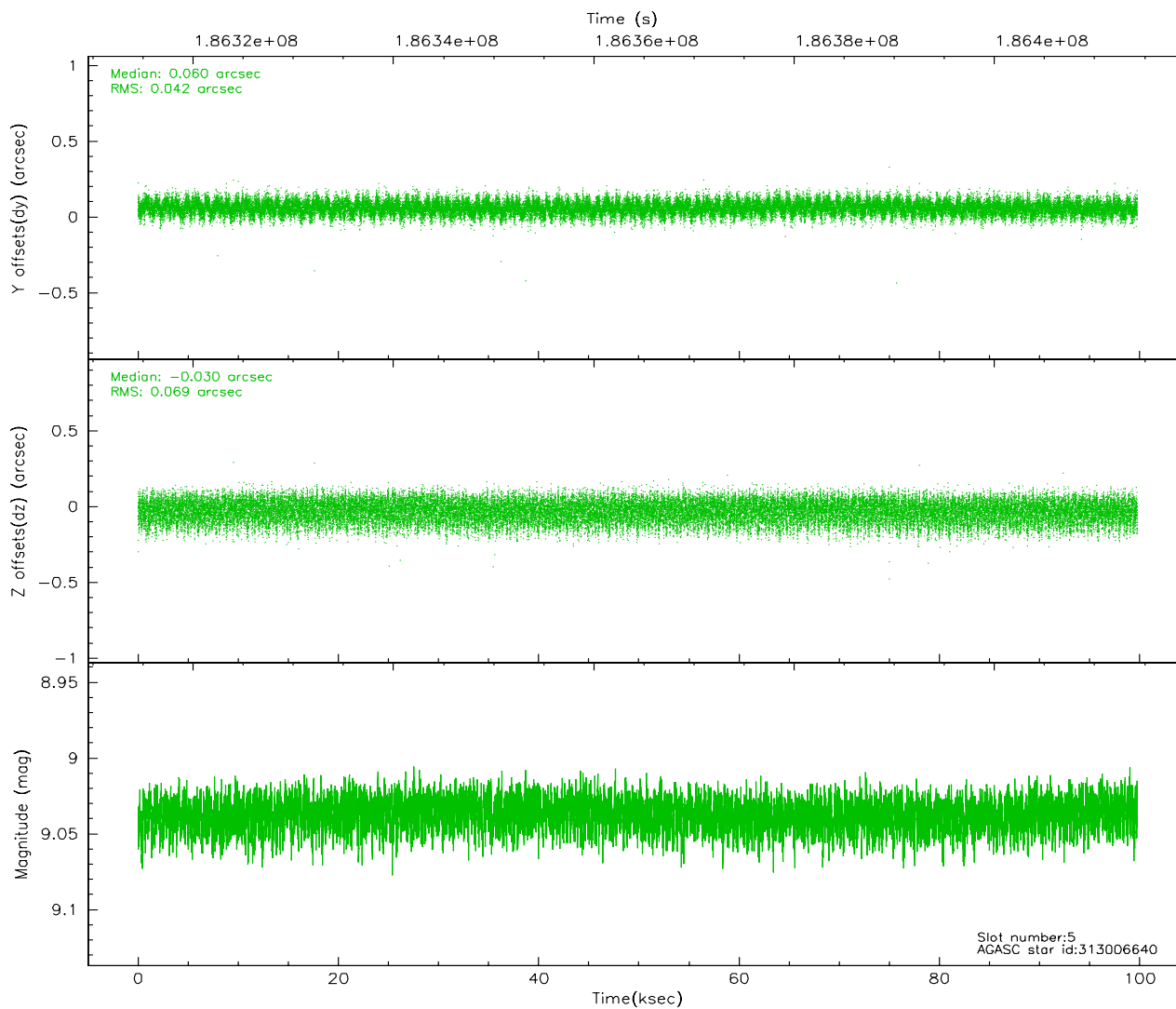
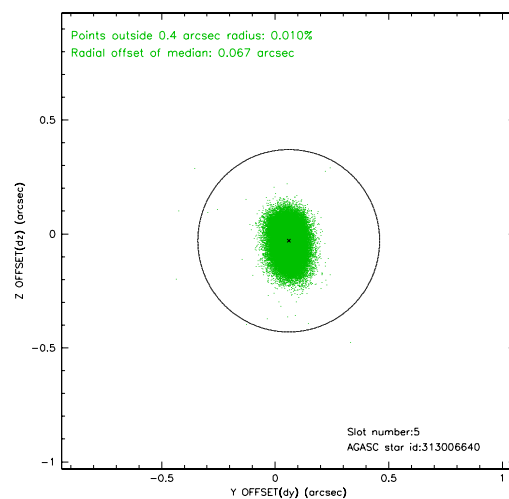
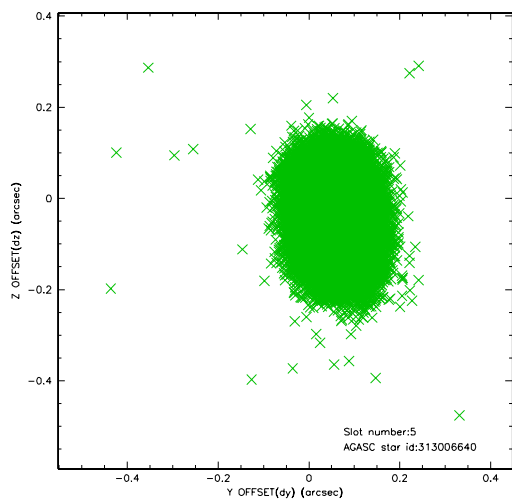
2.4.1 Slot 3



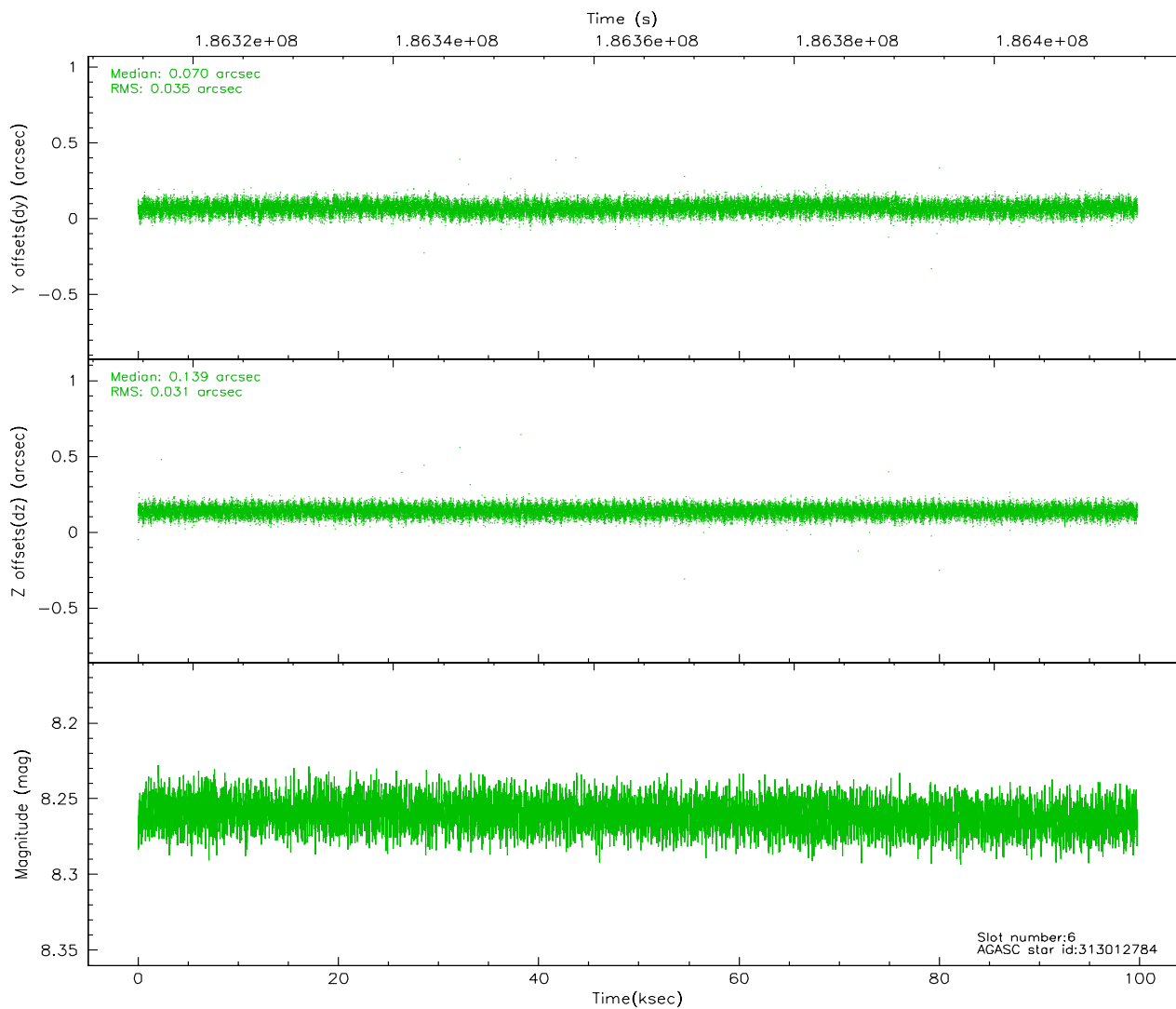
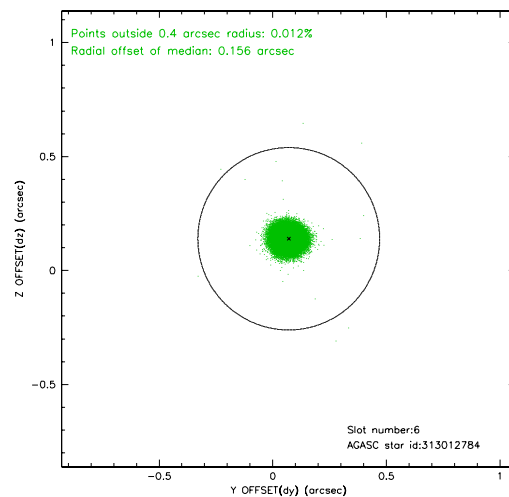
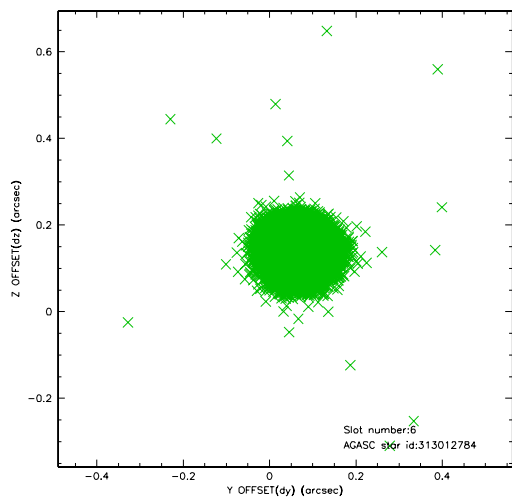
2.4.2 Slot 4



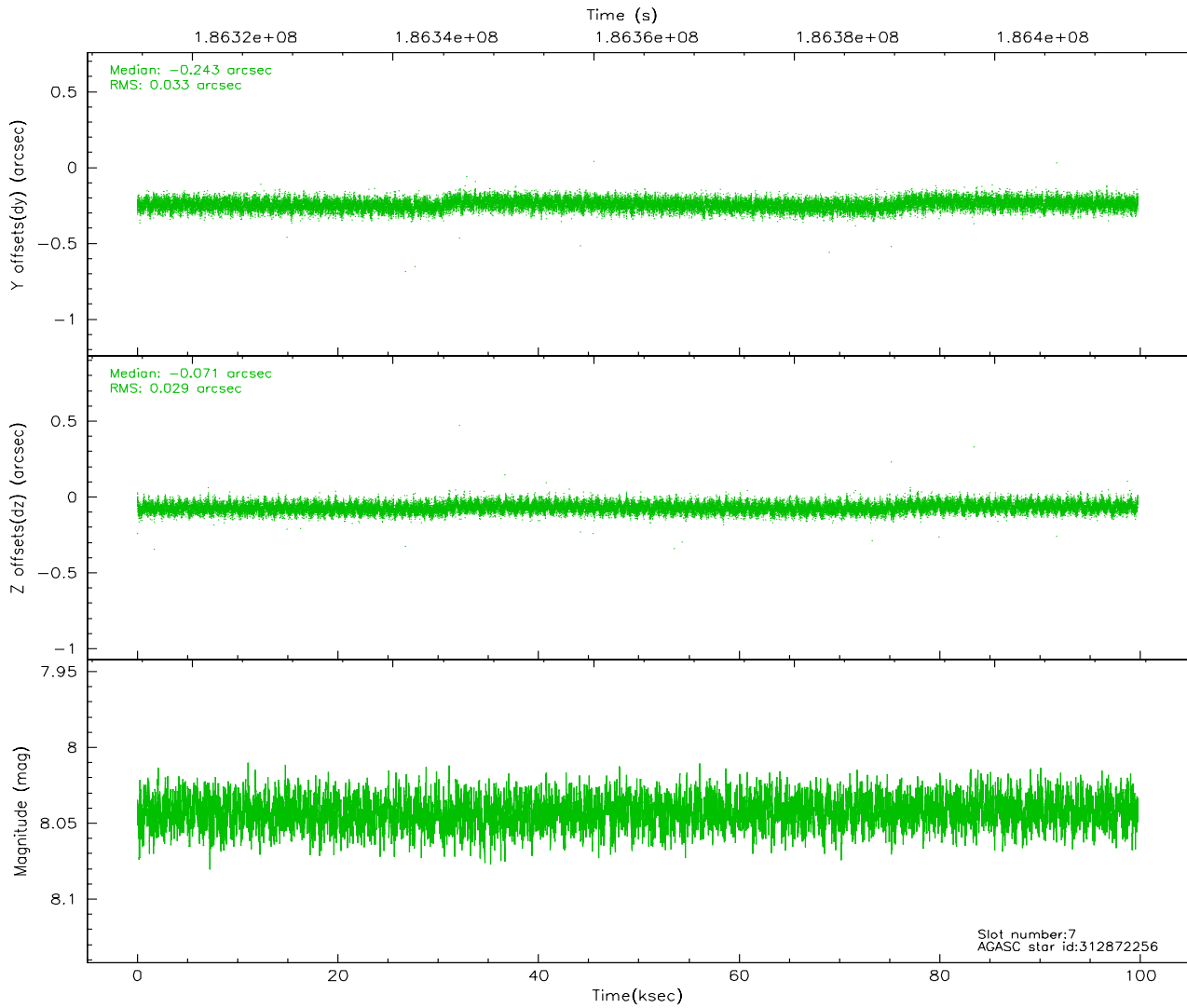
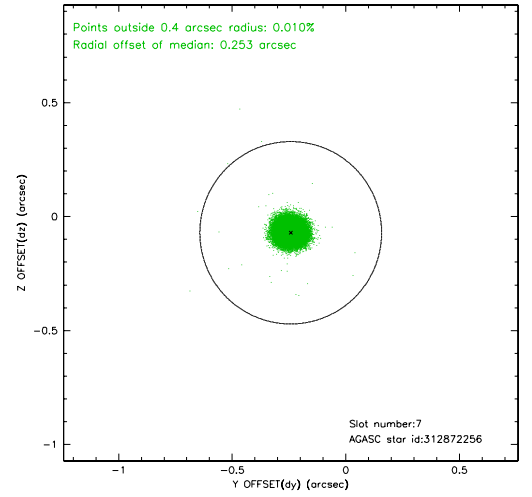
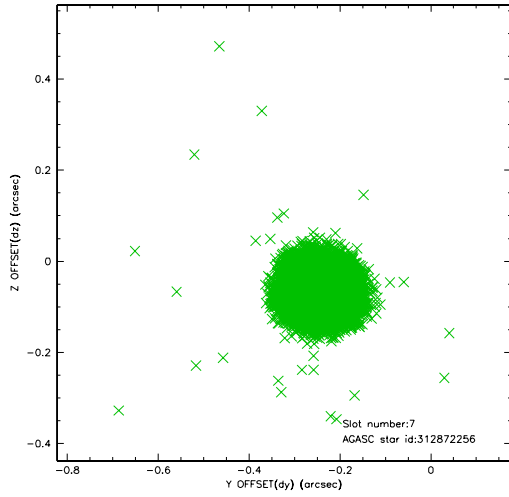
2.4.3 Slot 5



2.4.4 Slot 6

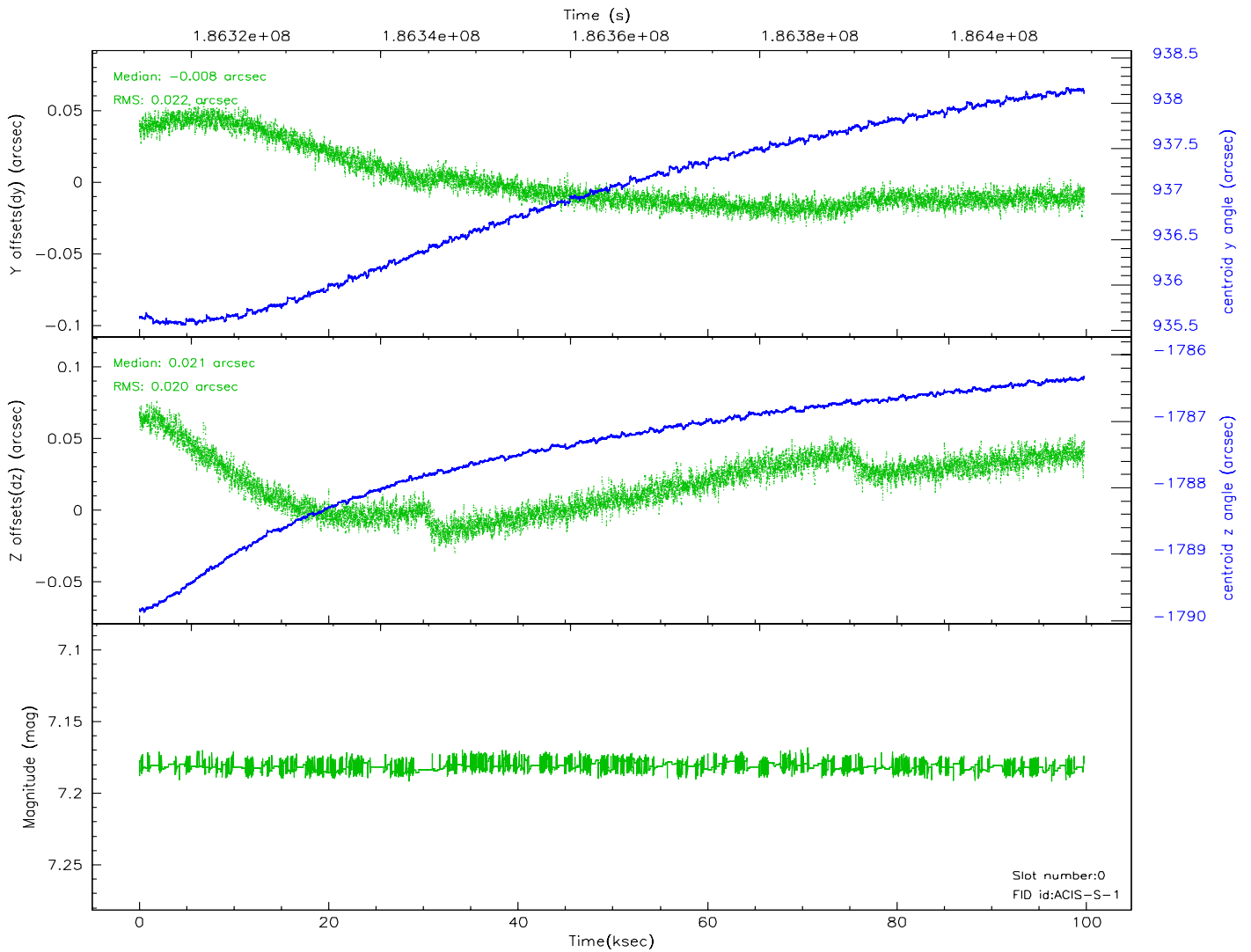
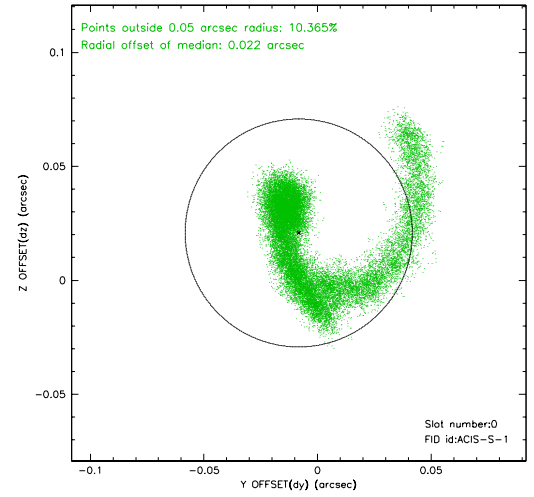
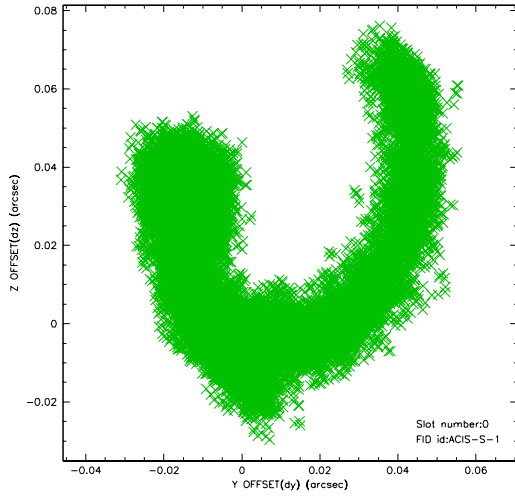


2.4.5 Slot 7

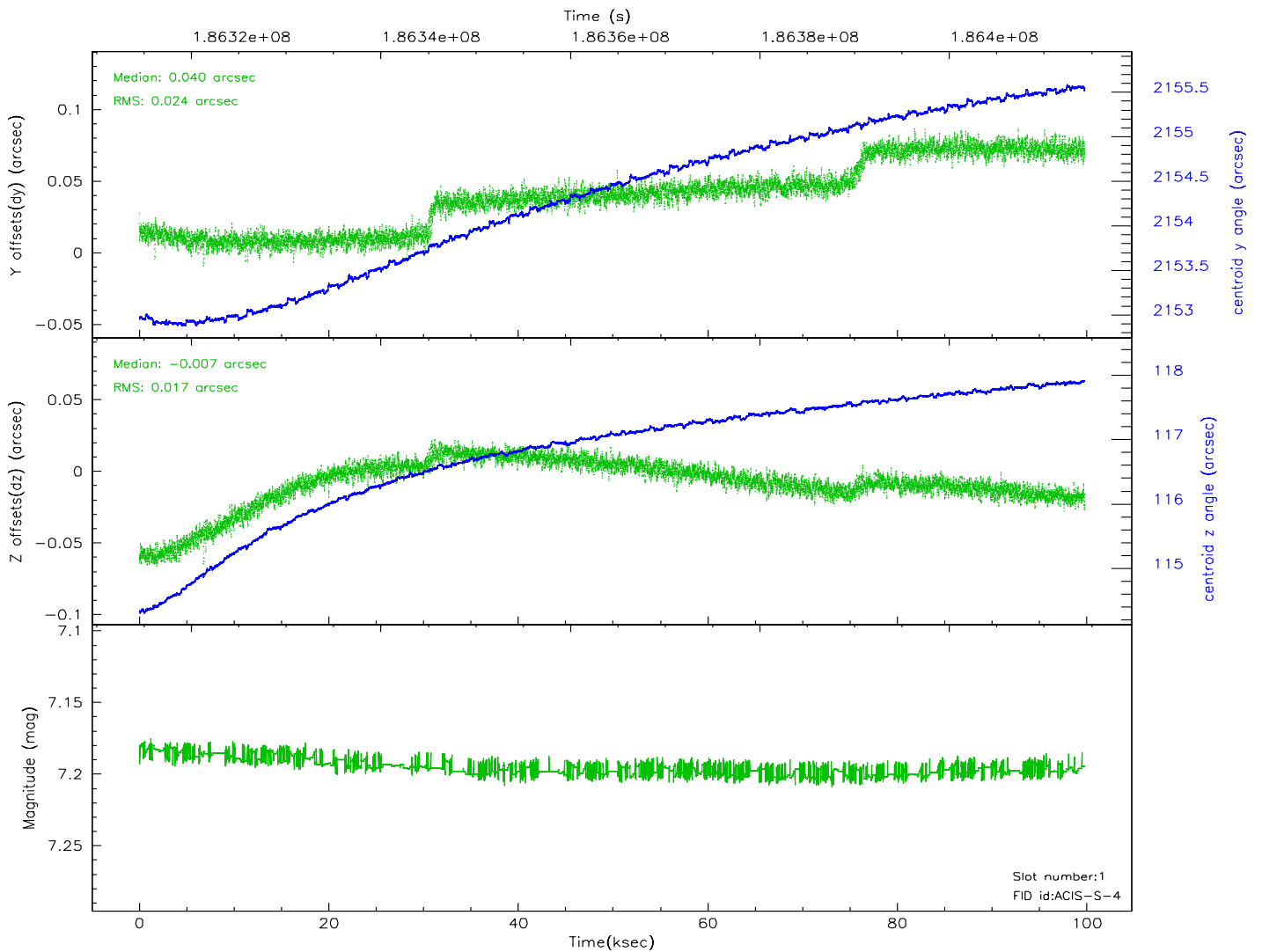
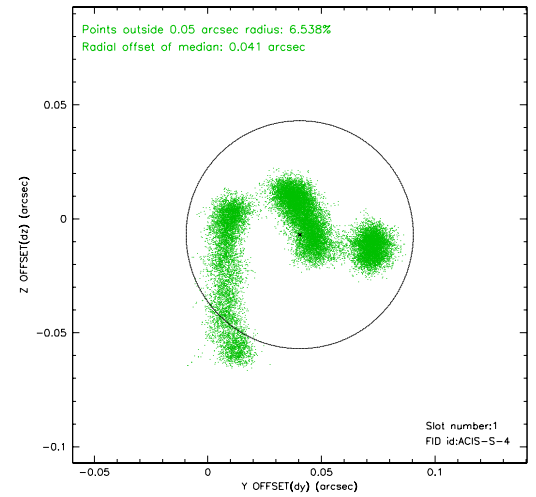
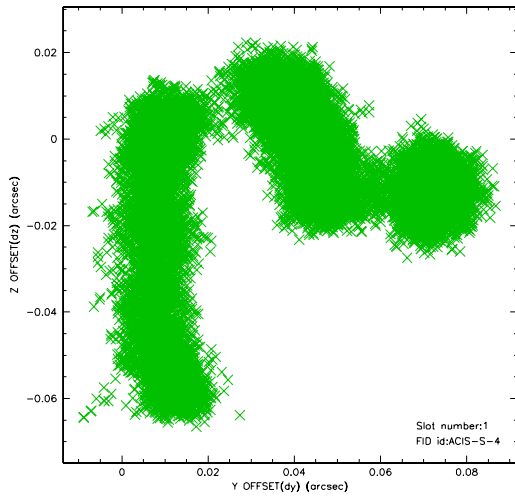


2.5 FID Slots

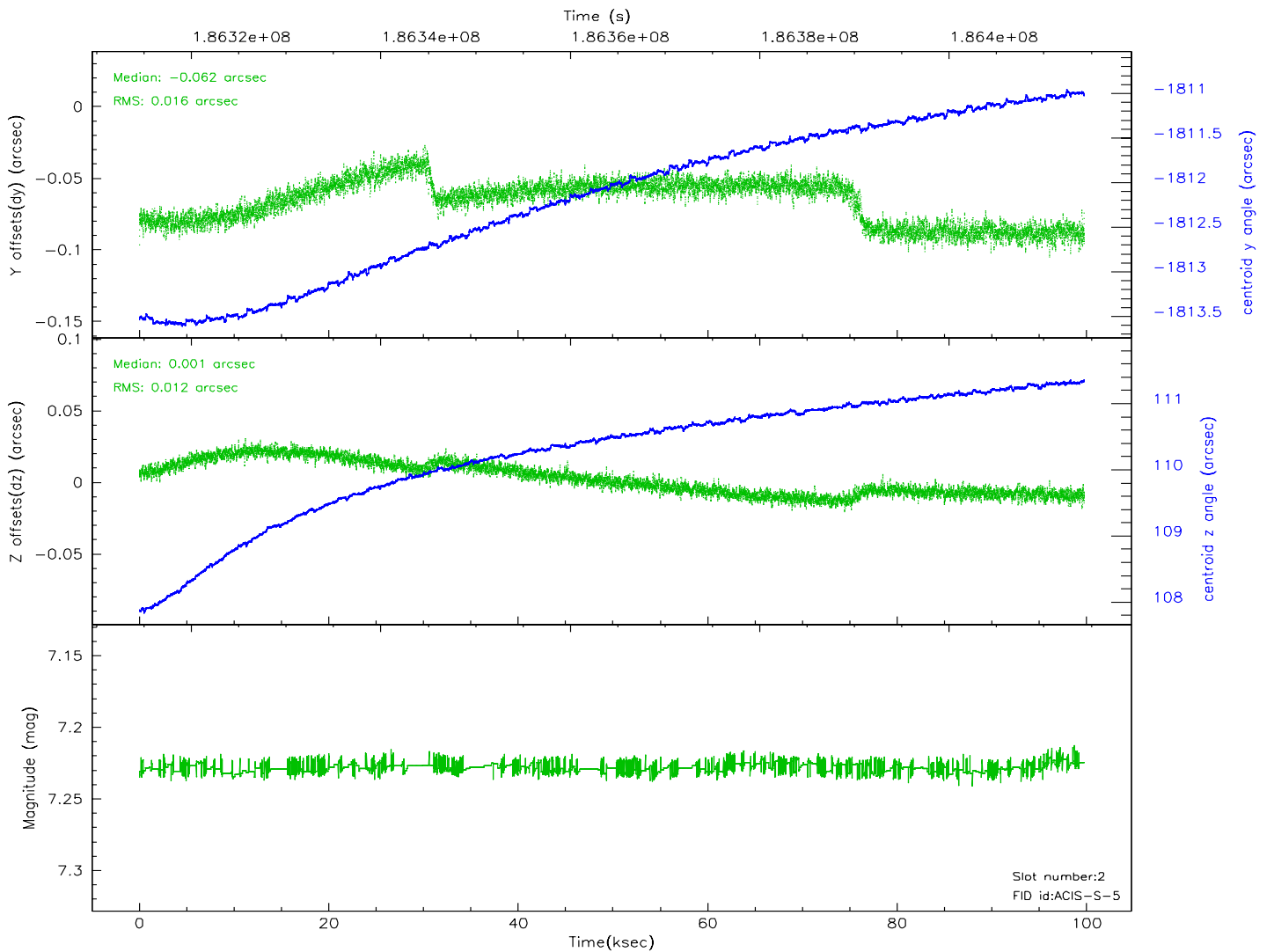
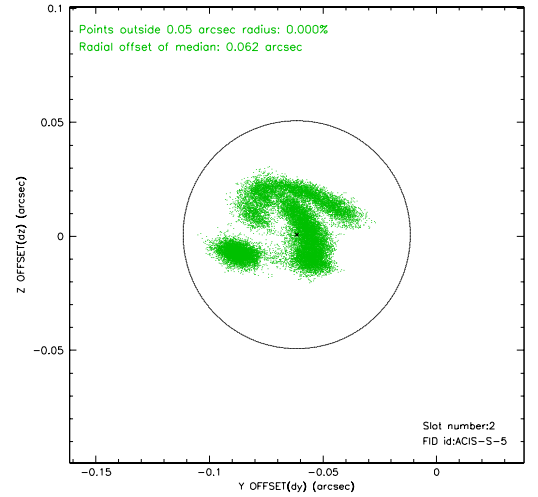
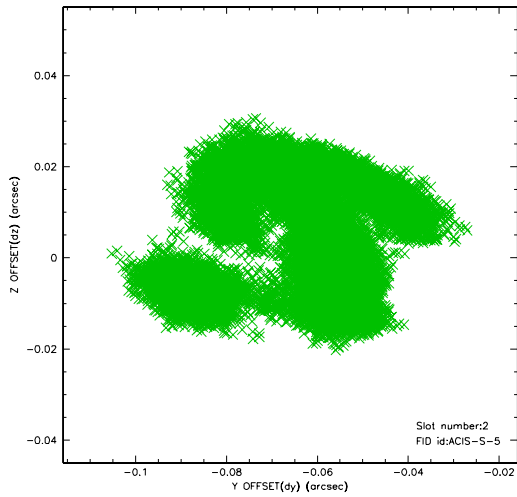
2.5.1 Slot 0



2.5.2 Slot 1

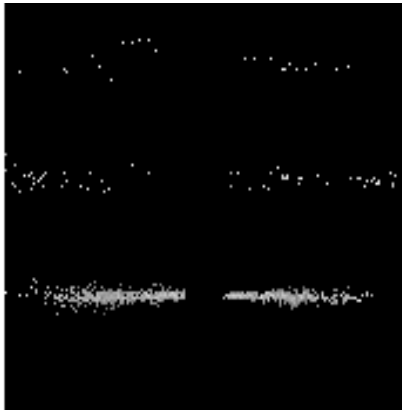


2.5.3 Slot 2

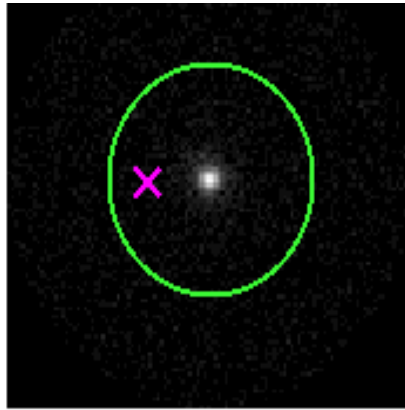


3 Gratings

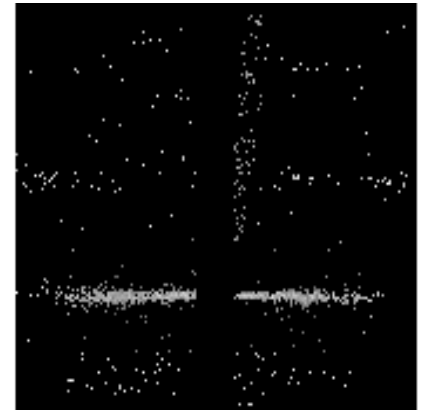
3.1 HEG Arm



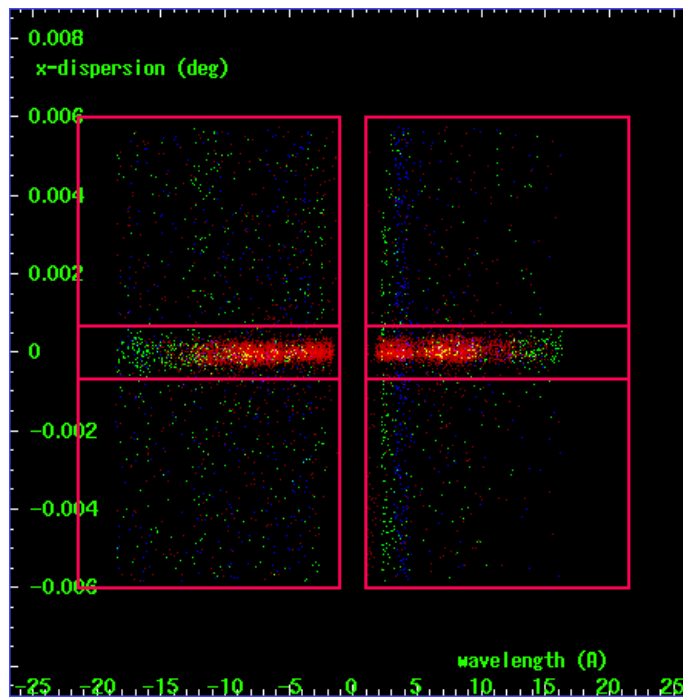
HEG Order Sort 123



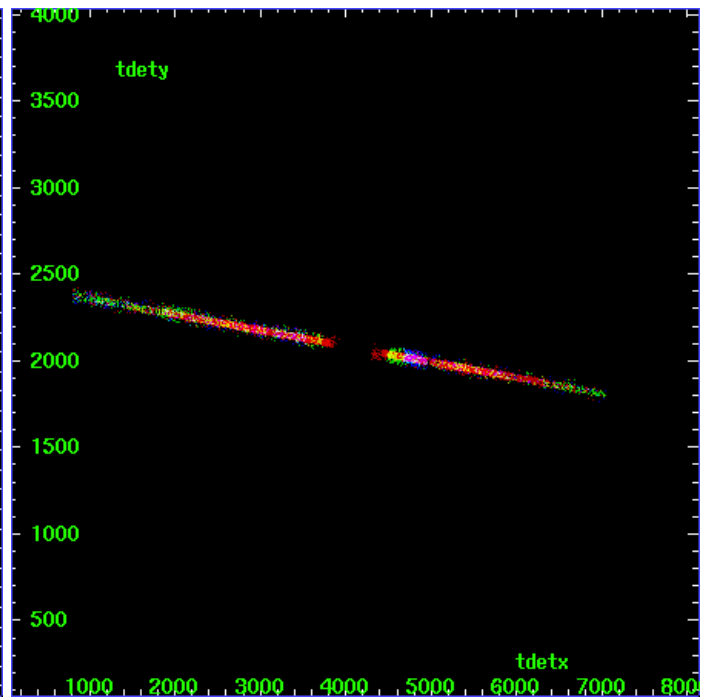
HEG Zero Order



HEG Order Sort ALL

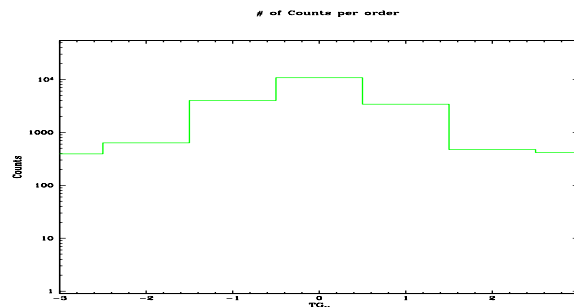


Spot Image HEG

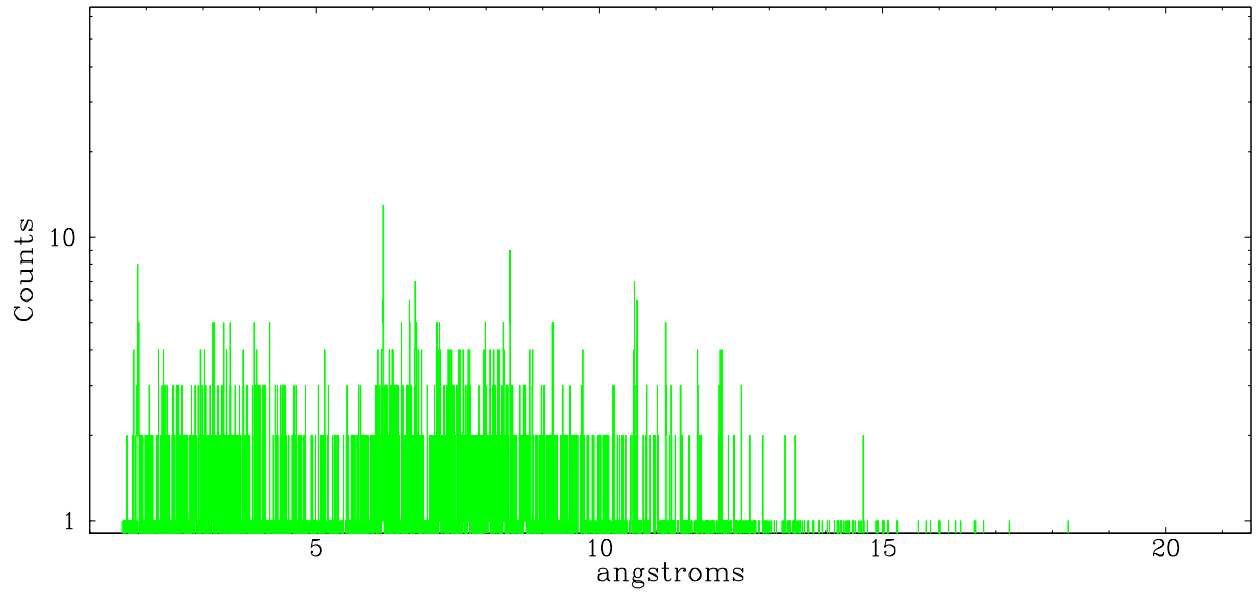


Full Detector HEG

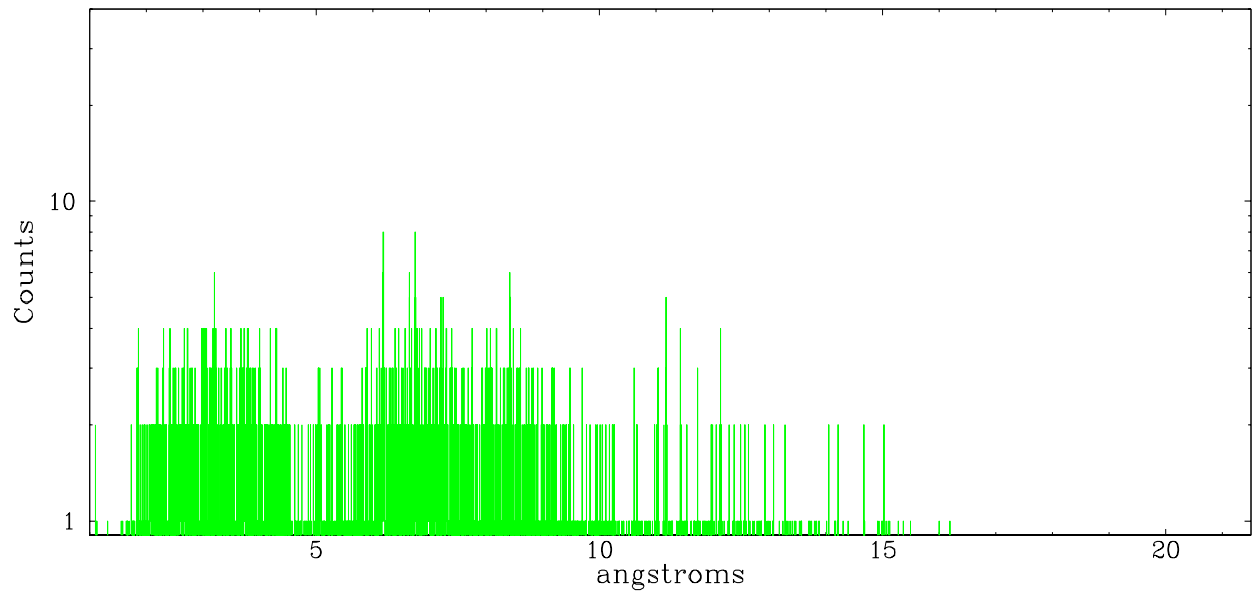
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	394	634	3994	10822	3404	473	417



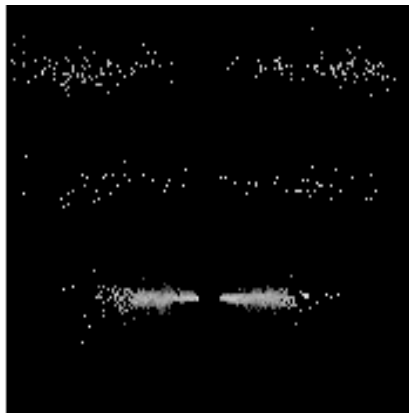
heg order -1



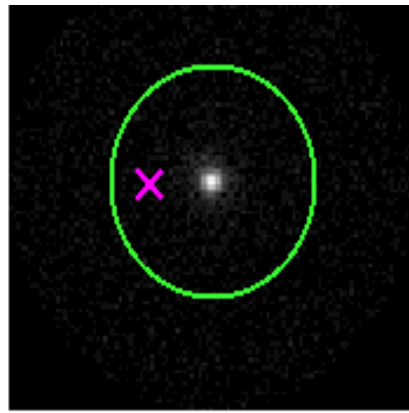
heg order +1



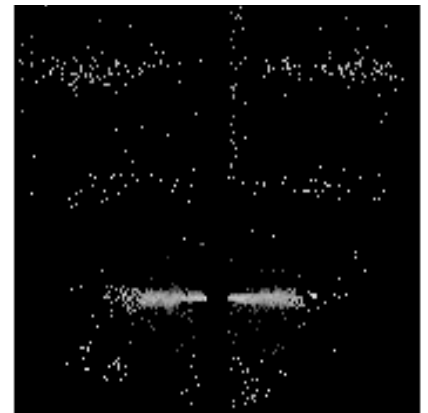
3.2 MEG Arm



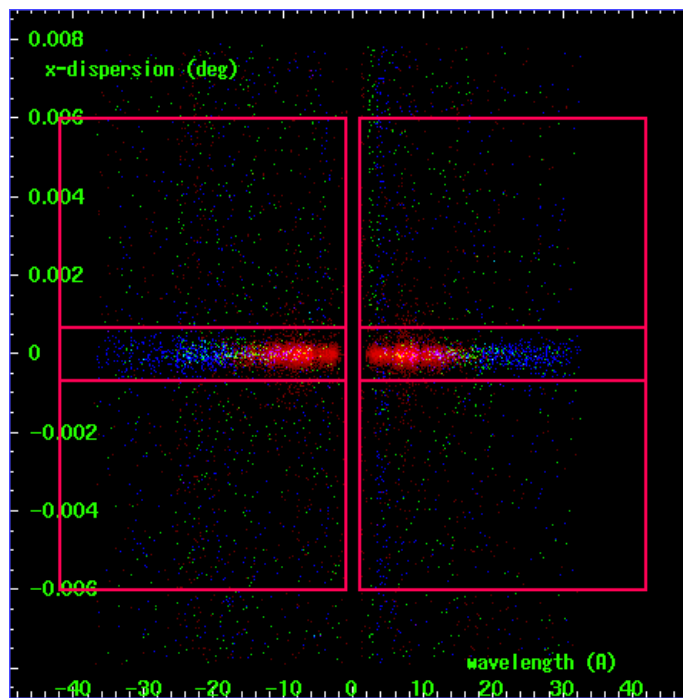
MEG Order Sort 123



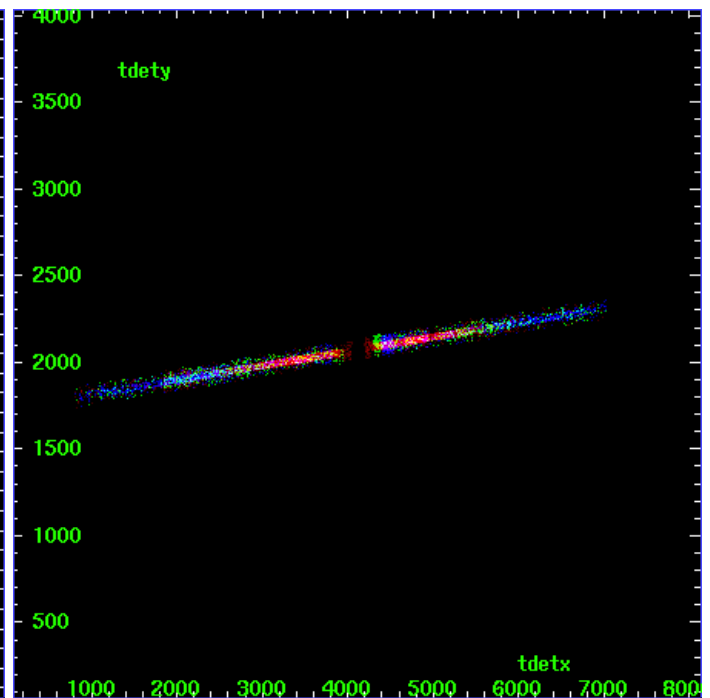
MEG Zero Order



MEG Order Sort ALL

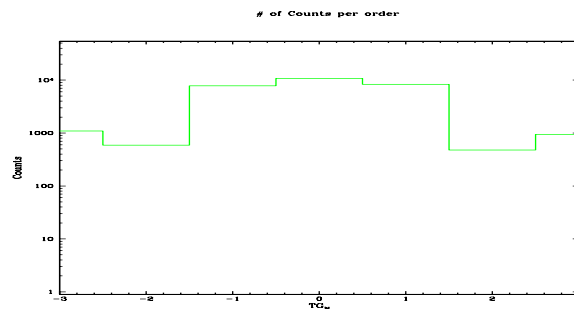


Spot Image MEG

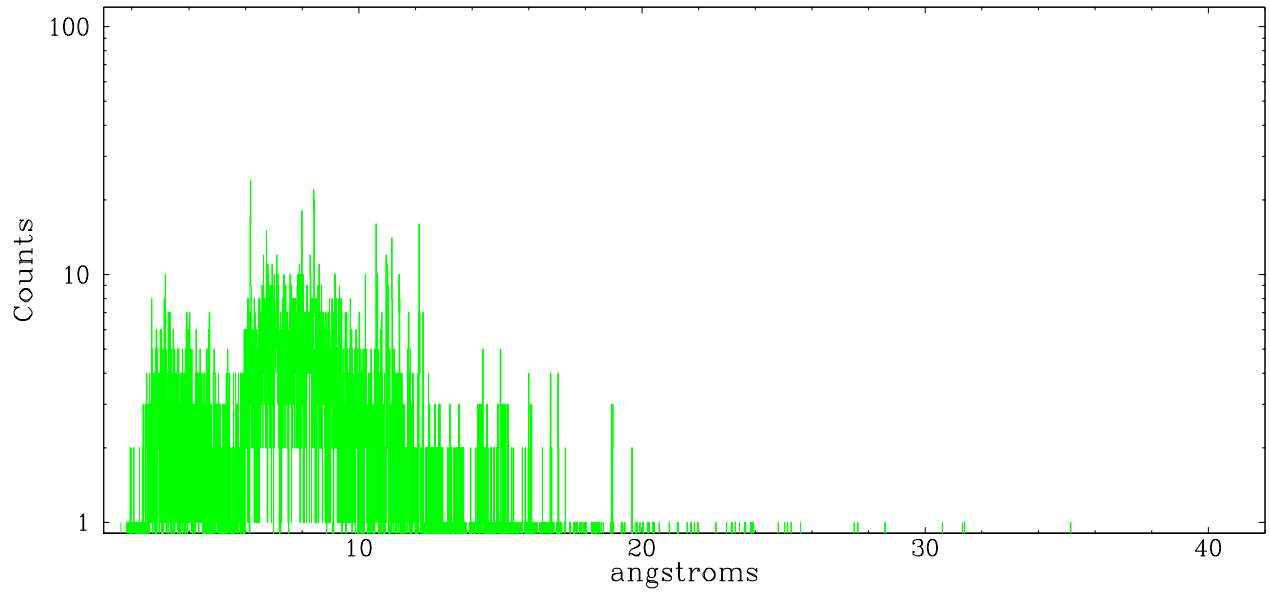


Full Detector MEG

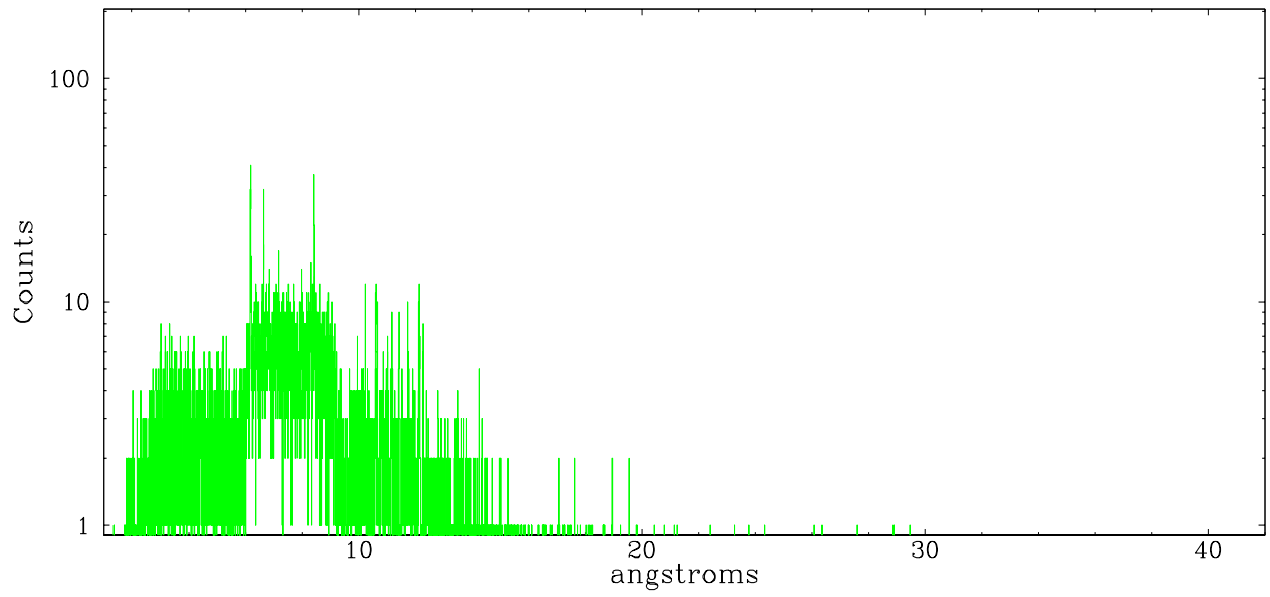
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	1091	590	7809	10822	8336	476	945



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	99.772

A.2 Comments