

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4866 - L2 Version 001
Chandra X-Ray Center

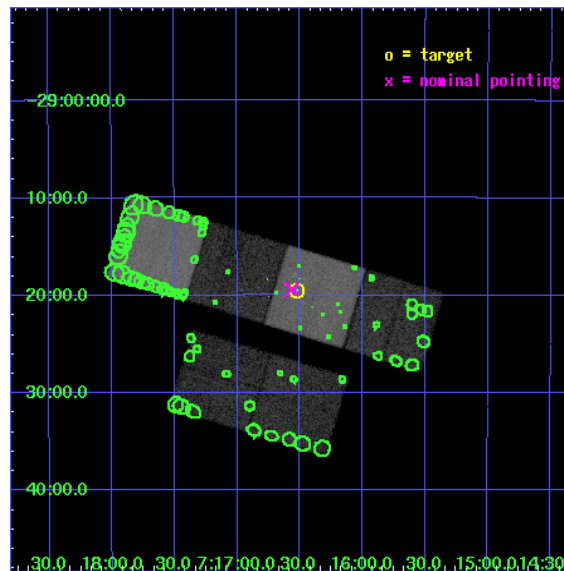
L2 Processing Date : Jun 22 2006

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1 Front

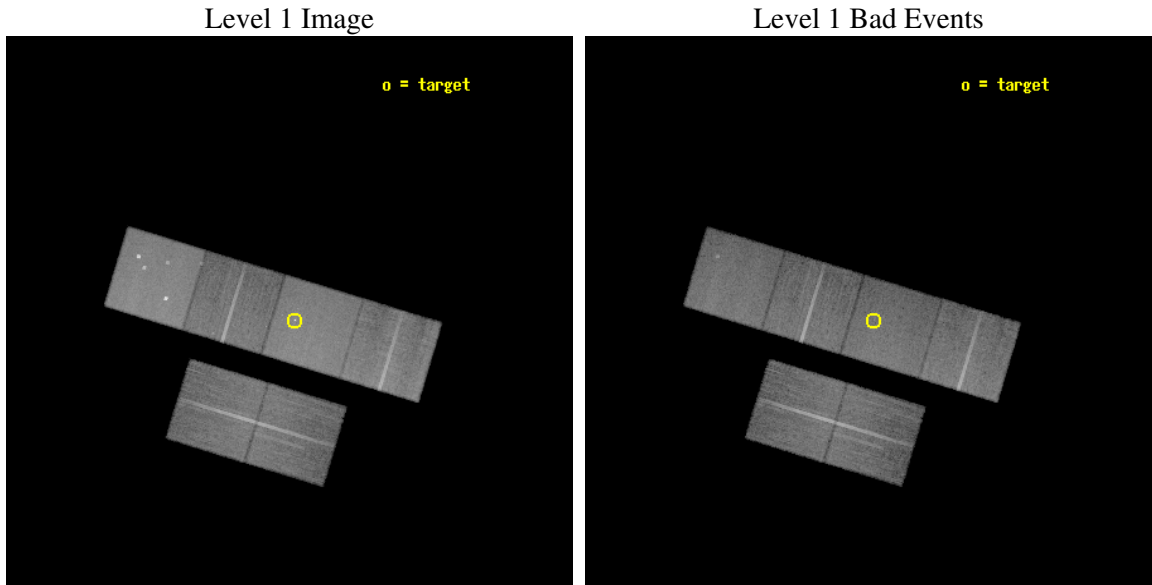
seq_num	700948
obs_id	4866
title	Probing Obscured AGN with X-ray Iron Lines
observer	Dr. Nancy Levenson
object	ESO 428-G014
dtcycle	0
cycle	P
ra_targ	109.13
dec_targ	-29.324722
ra_nom	109.14098992607
dec_nom	-29.32357319324
roll_nom	16.83440312985
revision	2
ontime	30159.999887645
livetime	29778.095808896
ontime2	30159.999887645
ontime3	30159.999887645
ontime5	30159.999887645
ontime6	30159.999887645
ontime7	30159.999887645
ontime8	30156.758907378
l2events	286981



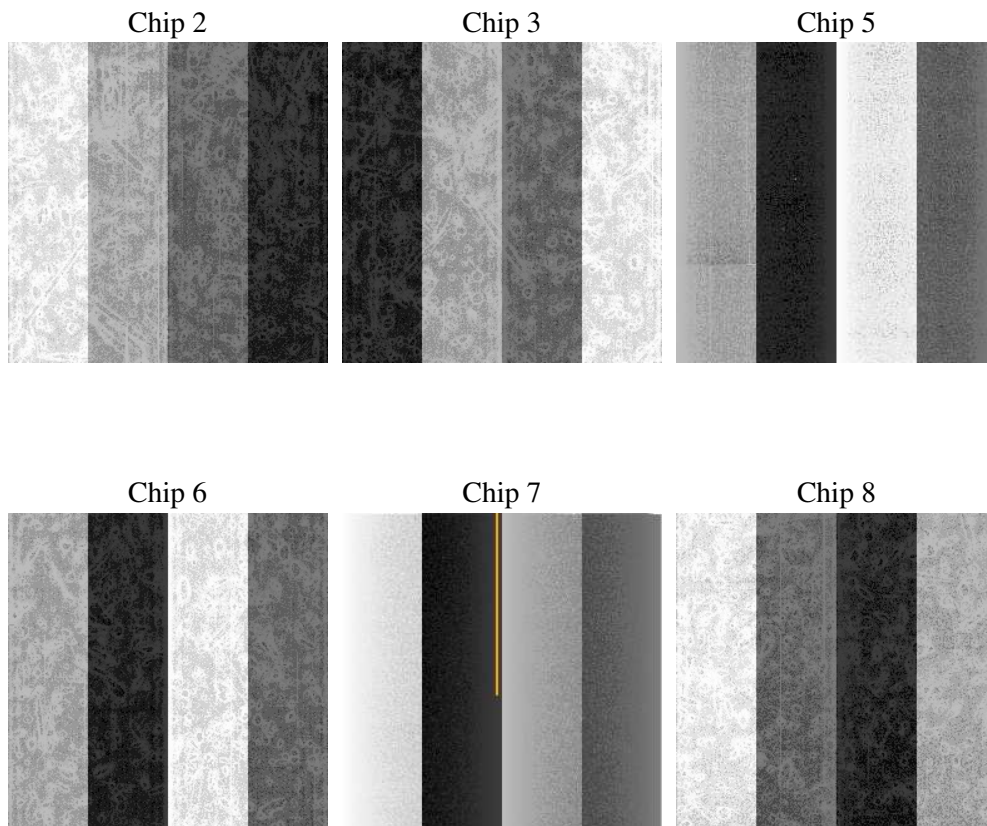
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-22T08:51:58
revision	2

sched_exp_time	30000.000000
ontime	30267.793026298
ontime2	30267.793026298
ontime3	30267.793026298
ontime5	30267.793026298
ontime6	30267.793026298
ontime7	30267.793026298
ontime8	30264.552046031
l1events	1309644

2.1.4 Events

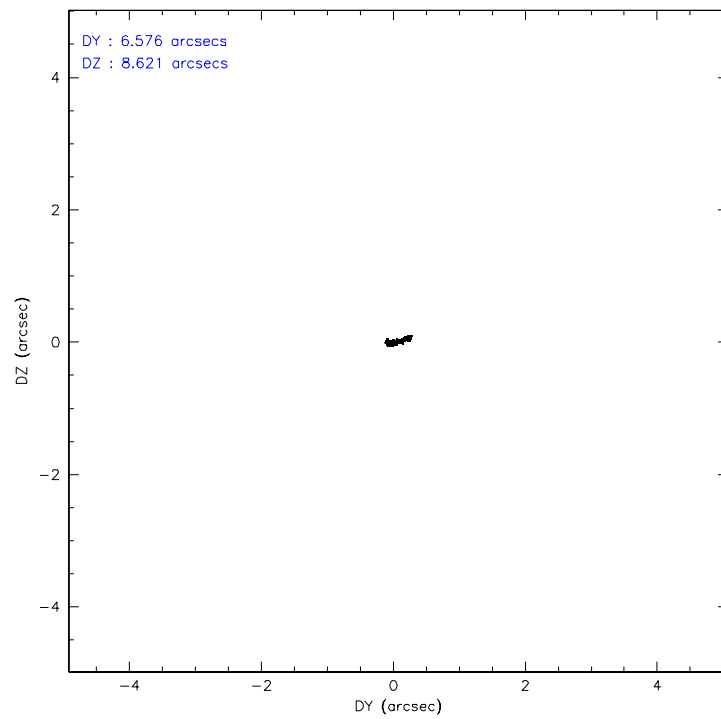
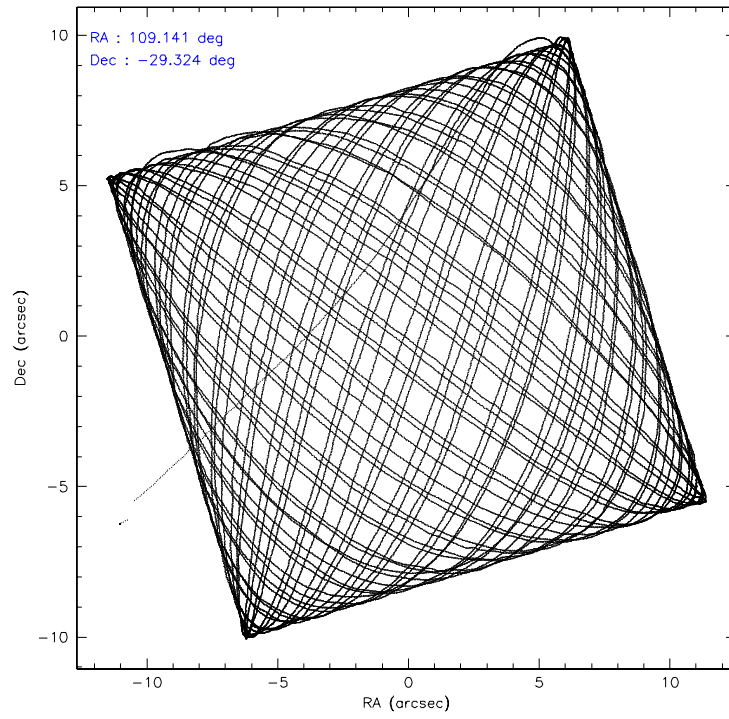
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	184247	174125	282503	184404	253254	231111
rejected events	162815	152836	157117	162178	155484	182717
rejected %	88%	87%	55%	87%	61%	79%

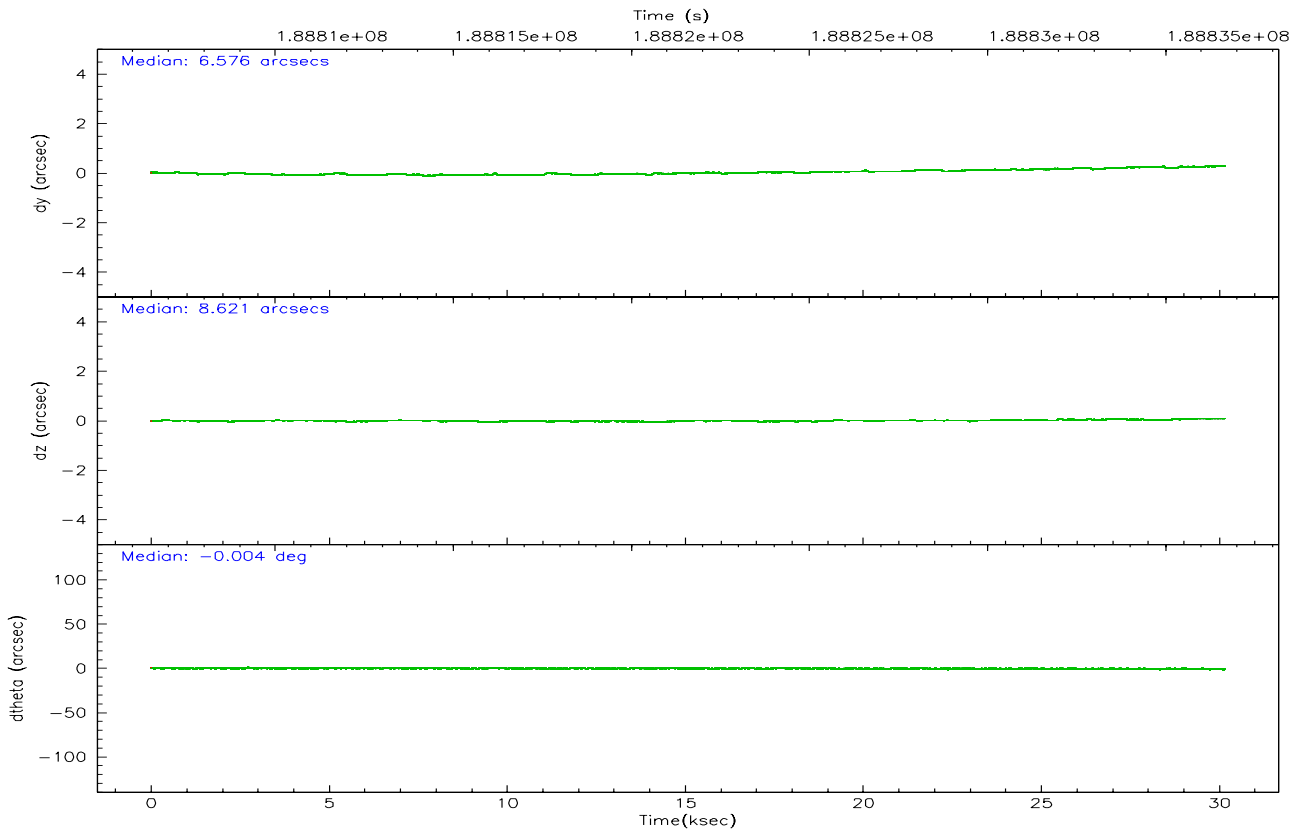
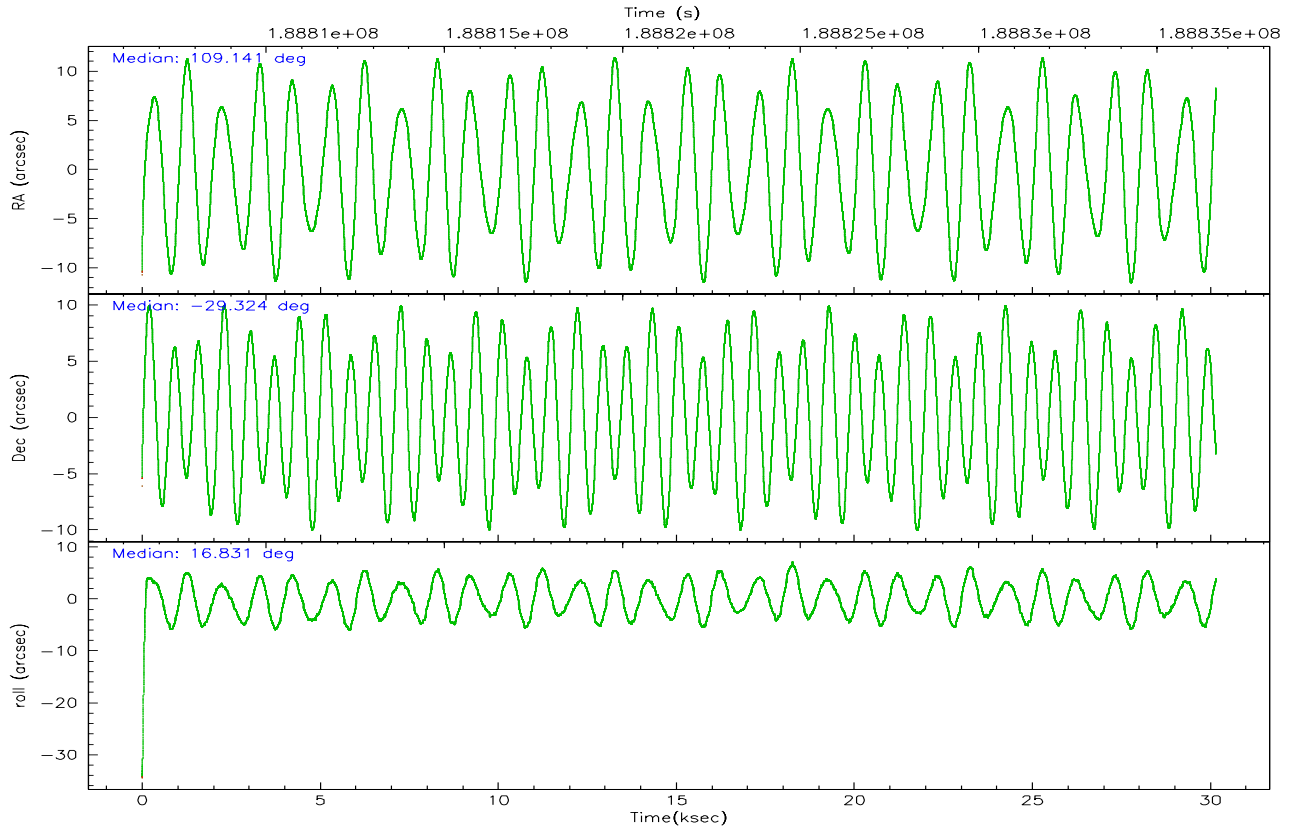
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9496	9193	14530	8951	6139	15443
	5%	5%	5%	4%	2%	6%
grade 1 events	108	99	558	89	146	146
	0%	0%	0%	0%	0%	0%
grade 2 events	4496	4138	37198	4481	24181	10488
	2%	2%	13%	2%	9%	4%
grade 3 events	2033	2150	2628	2192	5040	5144
	1%	1%	0%	1%	1%	2%
grade 4 events	2001	2080	2563	2176	4973	4836
	1%	1%	0%	1%	1%	2%
grade 5 events	7681	8207	13199	8681	16681	11304
	4%	4%	4%	4%	6%	4%
grade 6 events	3486	3801	68917	4519	57809	12681
	1%	2%	24%	2%	22%	5%
grade 7 events	154946	144457	142910	153315	138285	171069
	84%	82%	50%	83%	54%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	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	109.119959	109.1409899260681	Alternating exposures requested	N	N
Pointing Dec	-29.343699	-29.32357319324031	Primary exposure time	0.000000	3.2
Pointing Roll	16.667480	16.83440312984991			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	188806673.184000	188805561.65135			
Observation start date	2003-12-26T06:16:49	2003-12-26T05:59:21			
Observation end time	188836673.184000	188837570.86524			
Observation end date	2003-12-26T14:36:49	2003-12-26T14:52:50			
Read mode	TIMED	TIMED			

2.3 Aspect



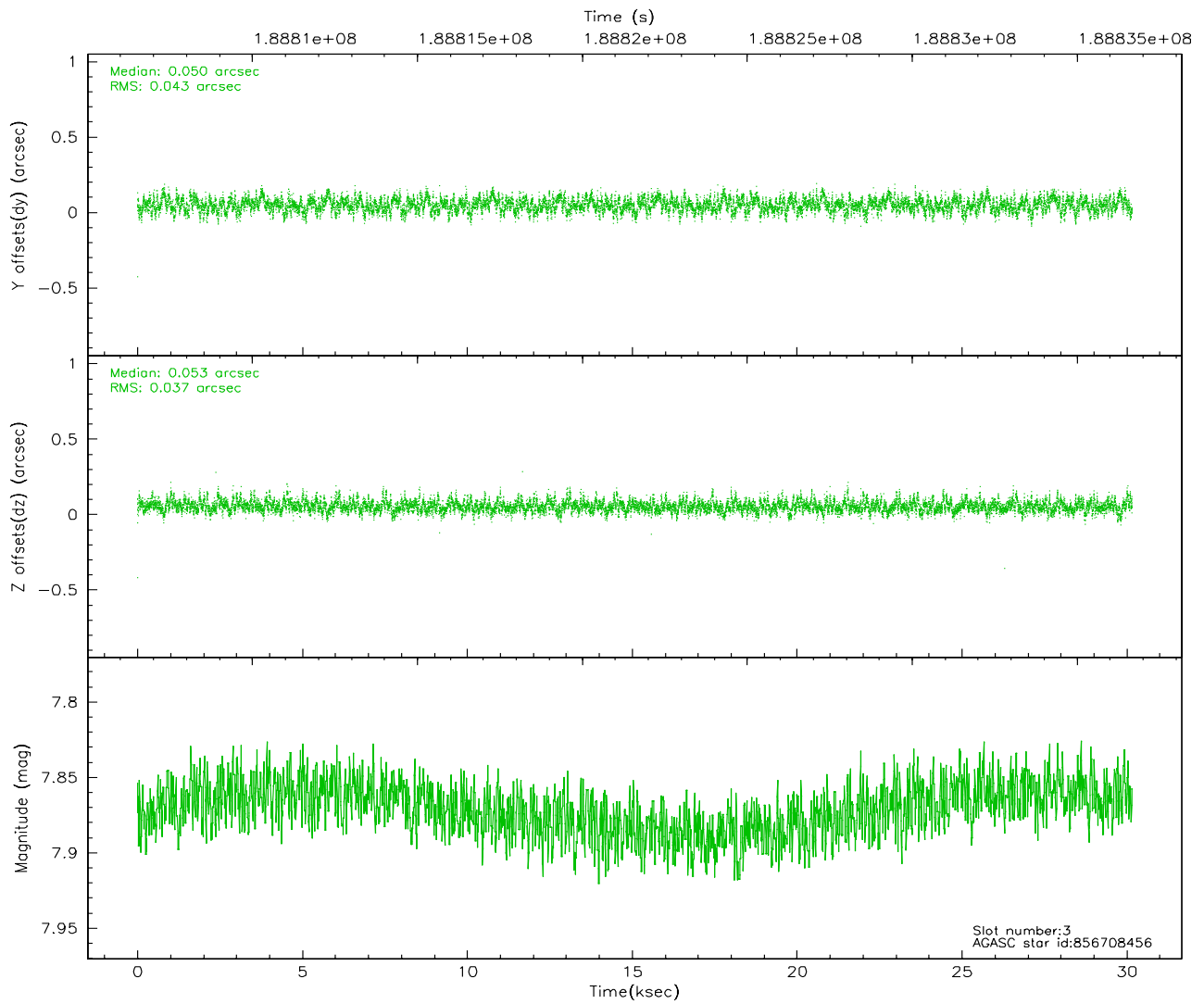
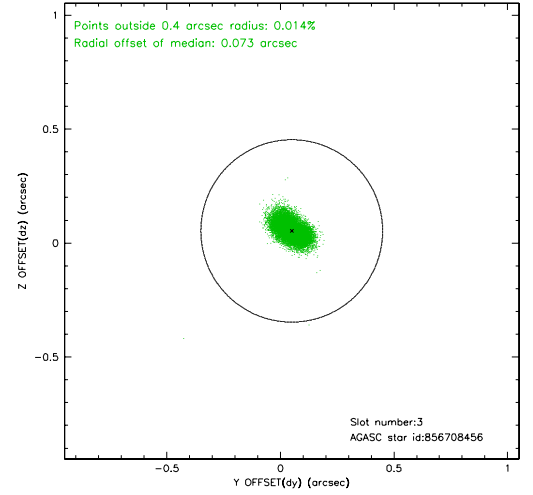
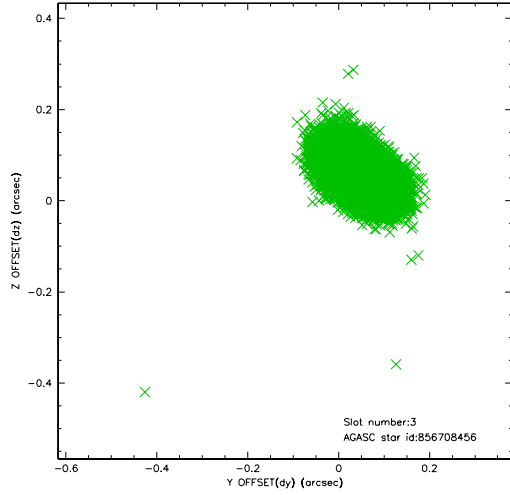


Slot Statistics

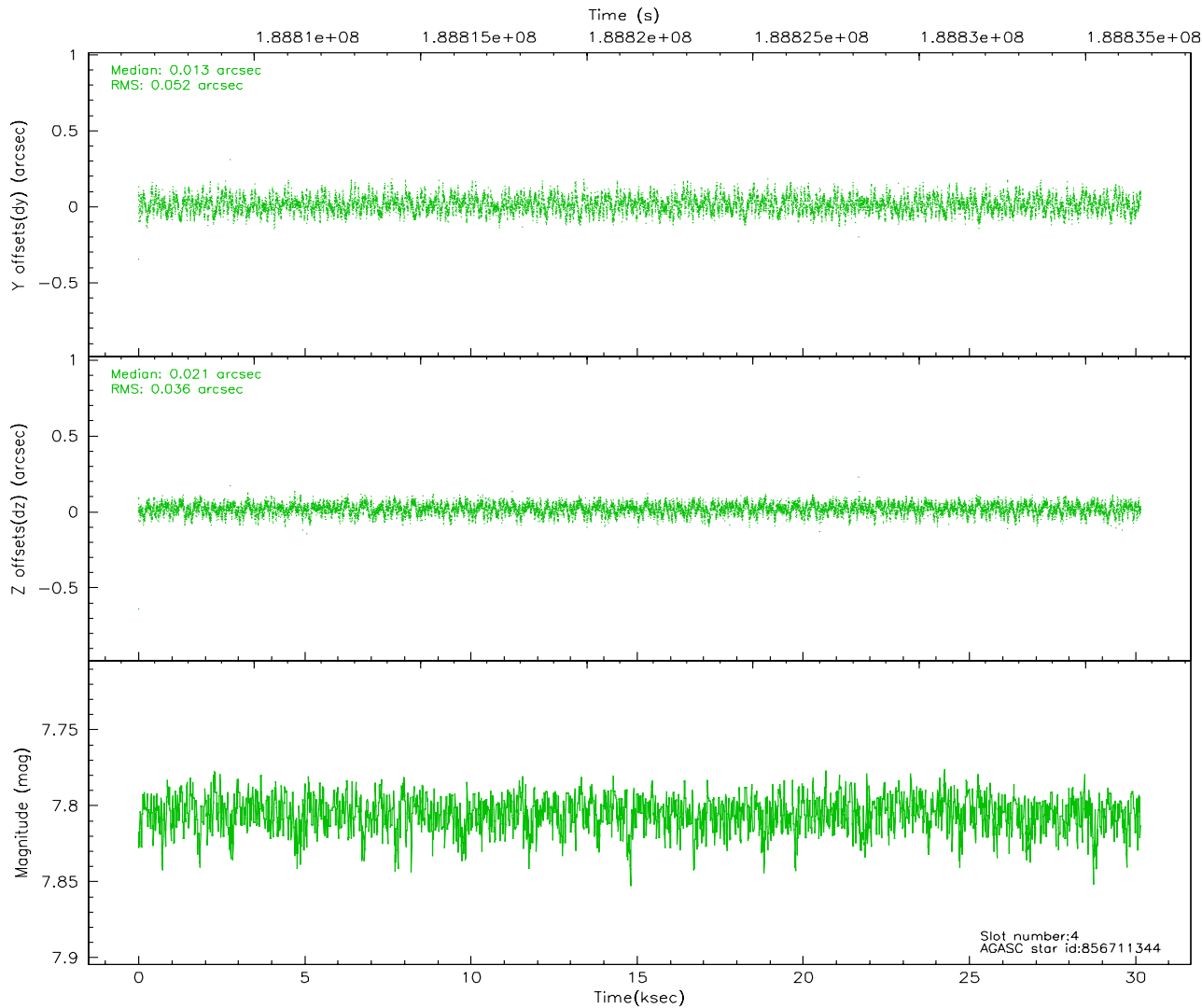
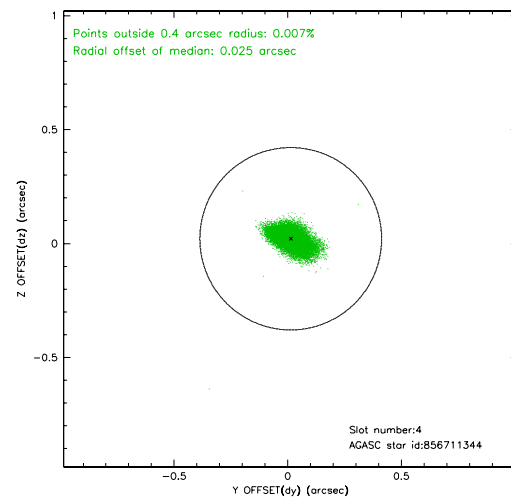
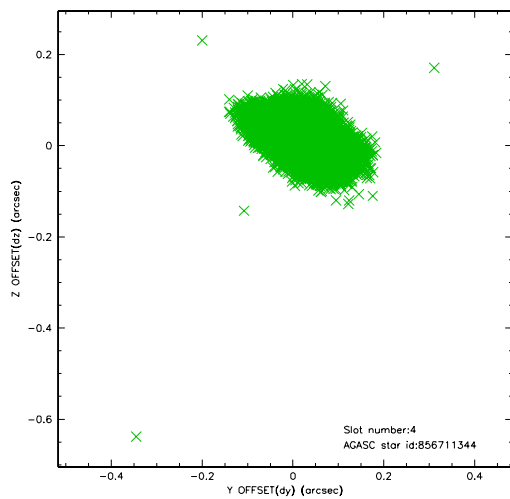
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7358	-0.017	-0.023	0.007	0.011	0.000000	0.000000	-759.38	-1729.80
1	FID	ACIS-S-4	7.21	7359	0.029	0.014	0.005	0.009	0.000000	0.000000	2153.92	178.63
2	FID	ACIS-S-5	7.23	7358	-0.043	0.017	0.007	0.011	0.000000	0.000000	-1812.15	172.41
3	GUIDE	856708456	7.87	14715	0.050	0.053	0.059	0.099	108.729631	-28.964442	-786.67	1658.68
4	GUIDE	856711344	7.80	14710	0.013	0.021	0.067	0.112	108.365445	-29.182350	-2107.44	1229.44
5	GUIDE	858411376	7.96	14714	0.111	0.010	0.054	0.089	109.246716	-29.729864	-18.97	-1445.47
6	GUIDE	858418208	7.52	14717	0.051	-0.086	0.059	0.091	109.343308	-29.131112	892.34	530.99
7	GUIDE	858404864	7.13	14715	-0.227	0.003	0.046	0.074	109.796983	-29.013141	2381.41	522.95

2.4 Star Slots

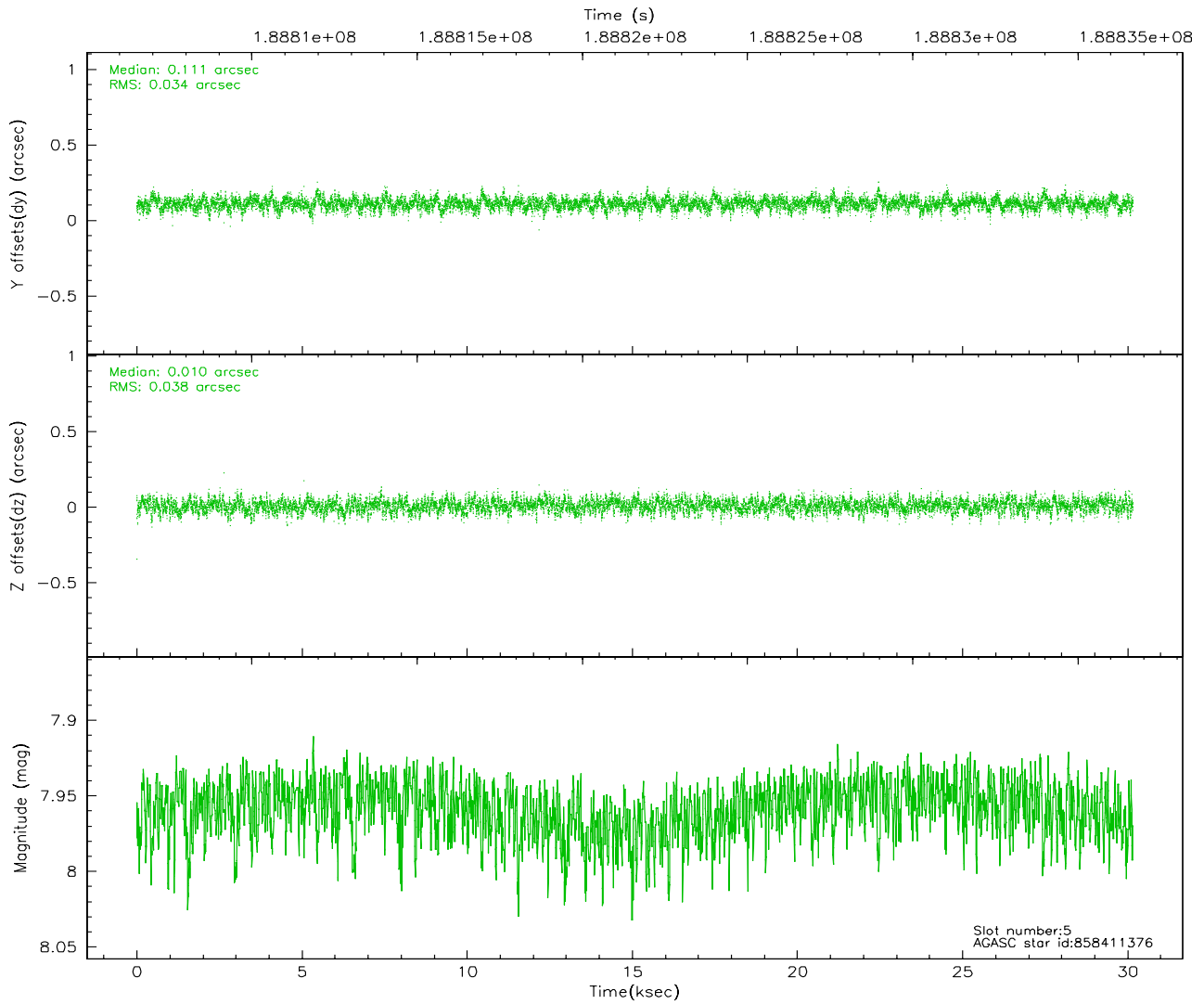
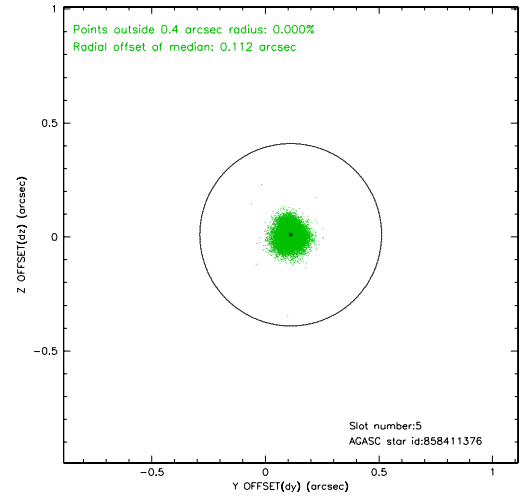
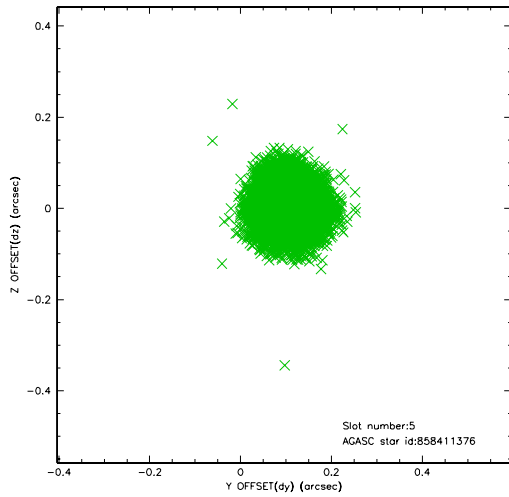
2.4.1 Slot 3



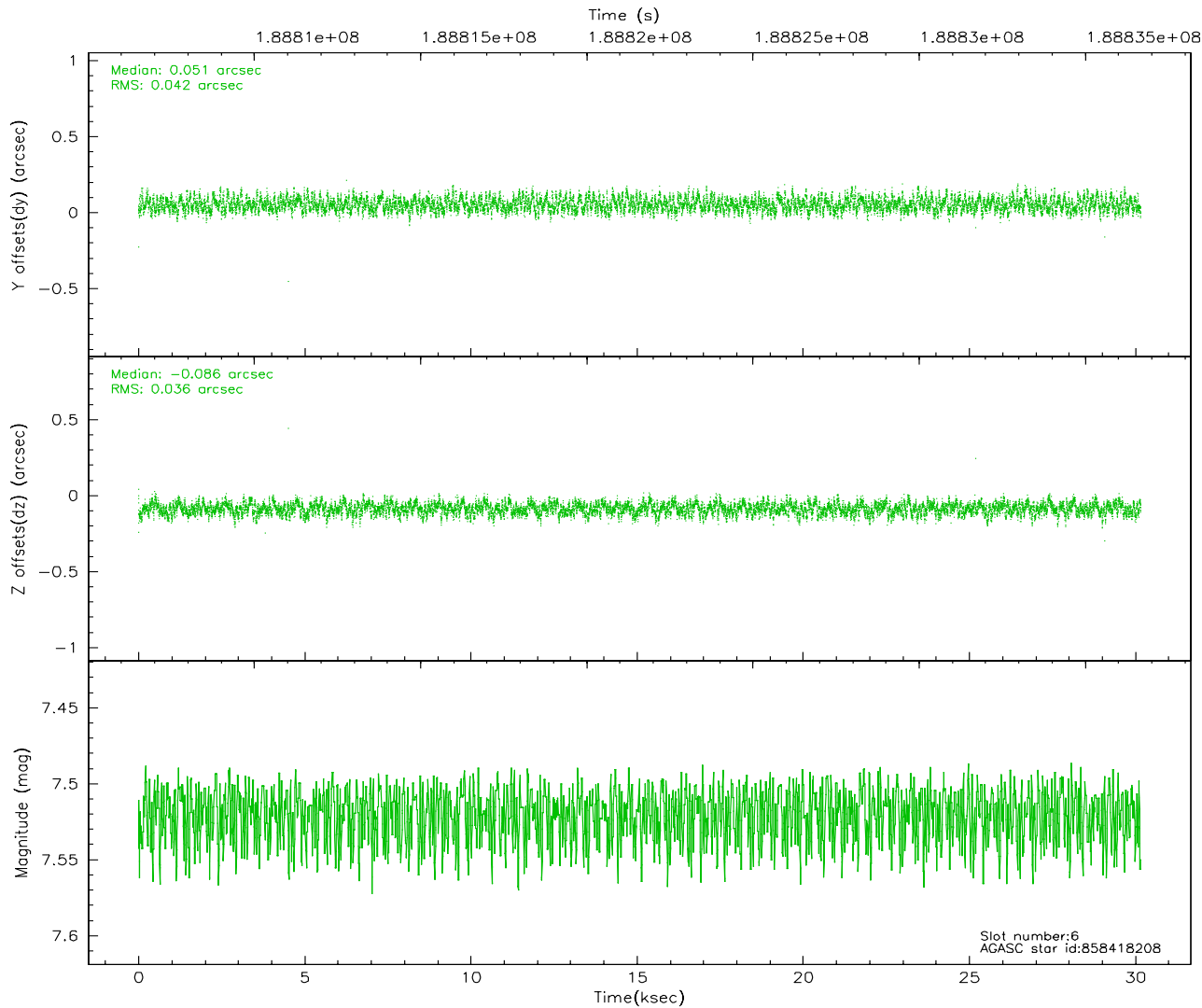
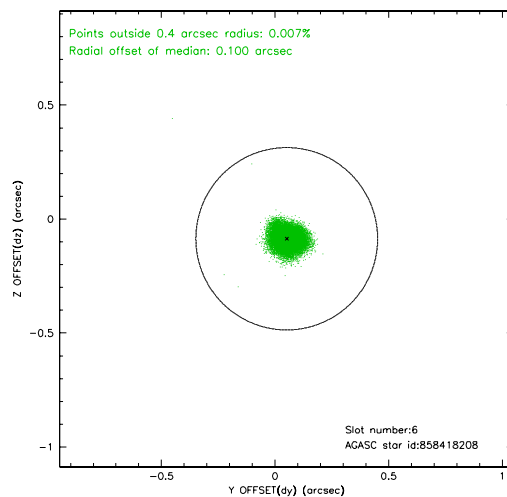
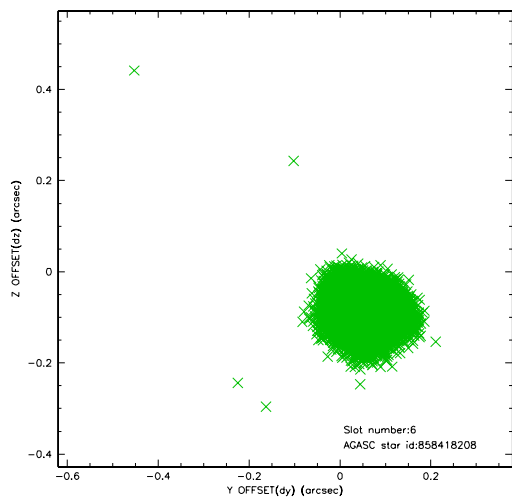
2.4.2 Slot 4



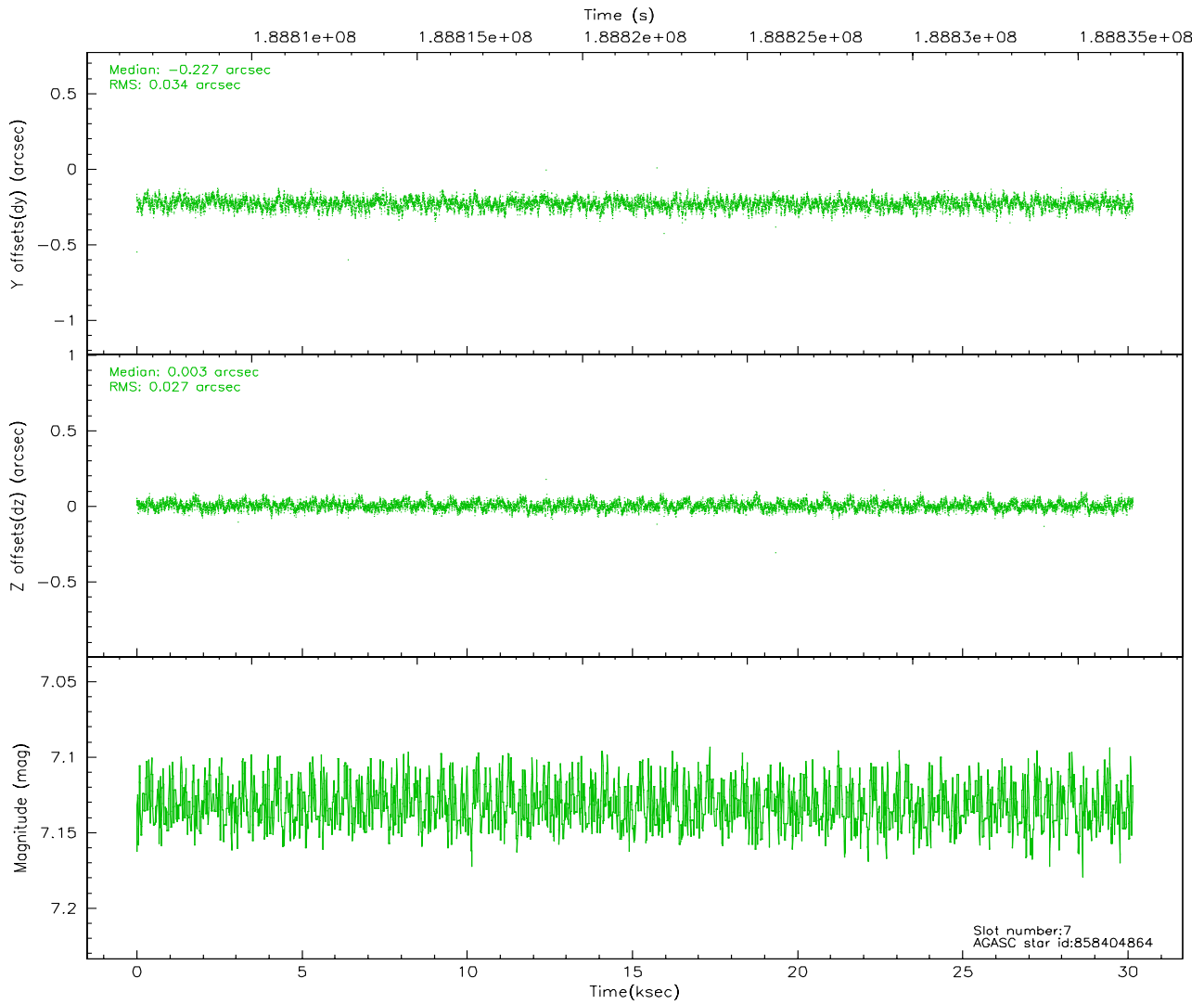
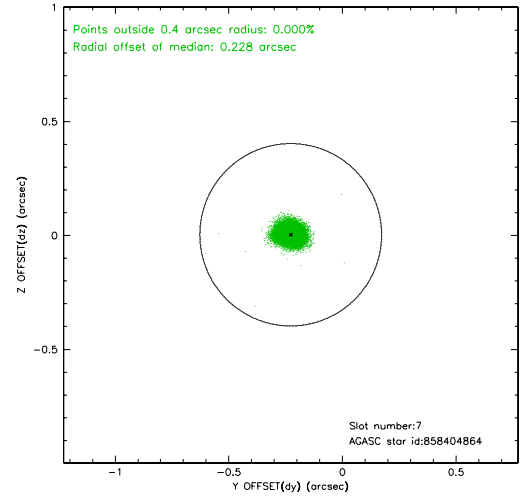
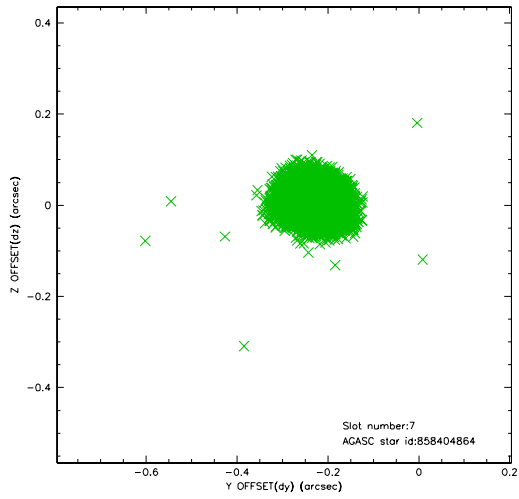
2.4.3 Slot 5



2.4.4 Slot 6

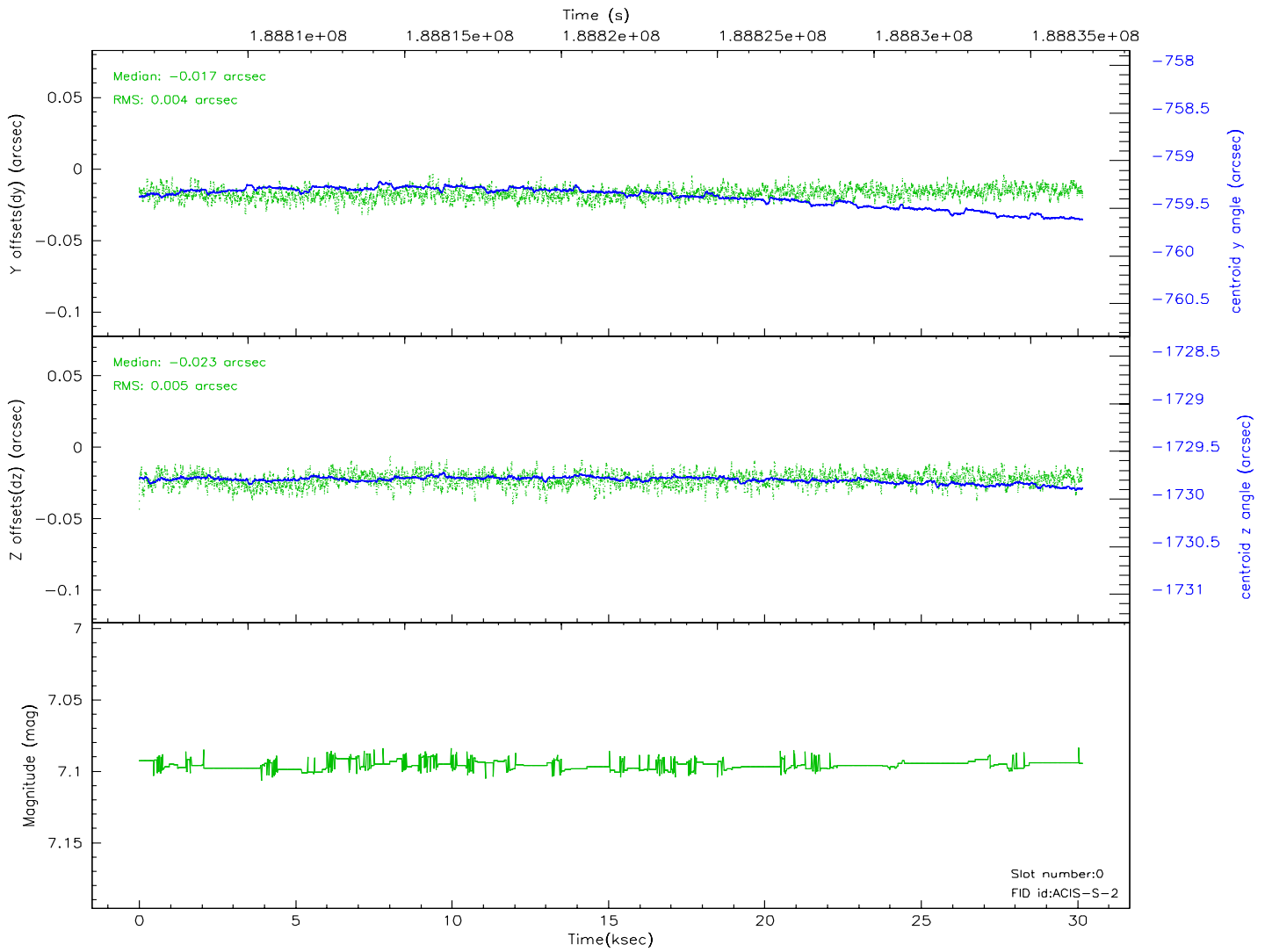
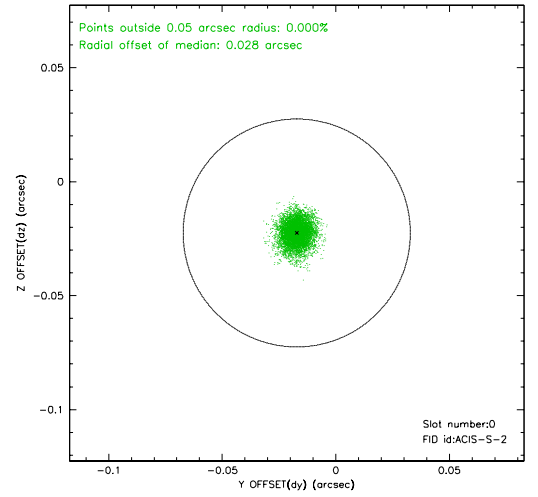
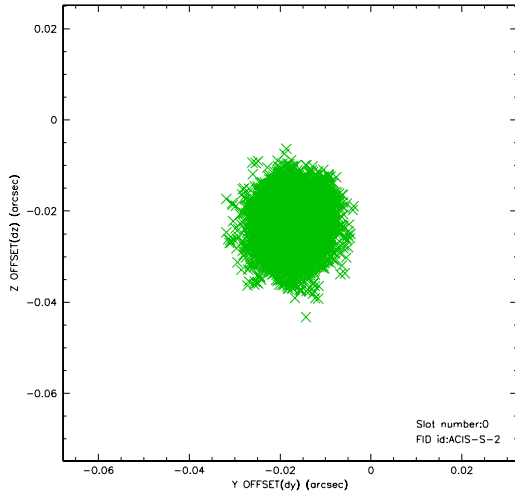


2.4.5 Slot 7

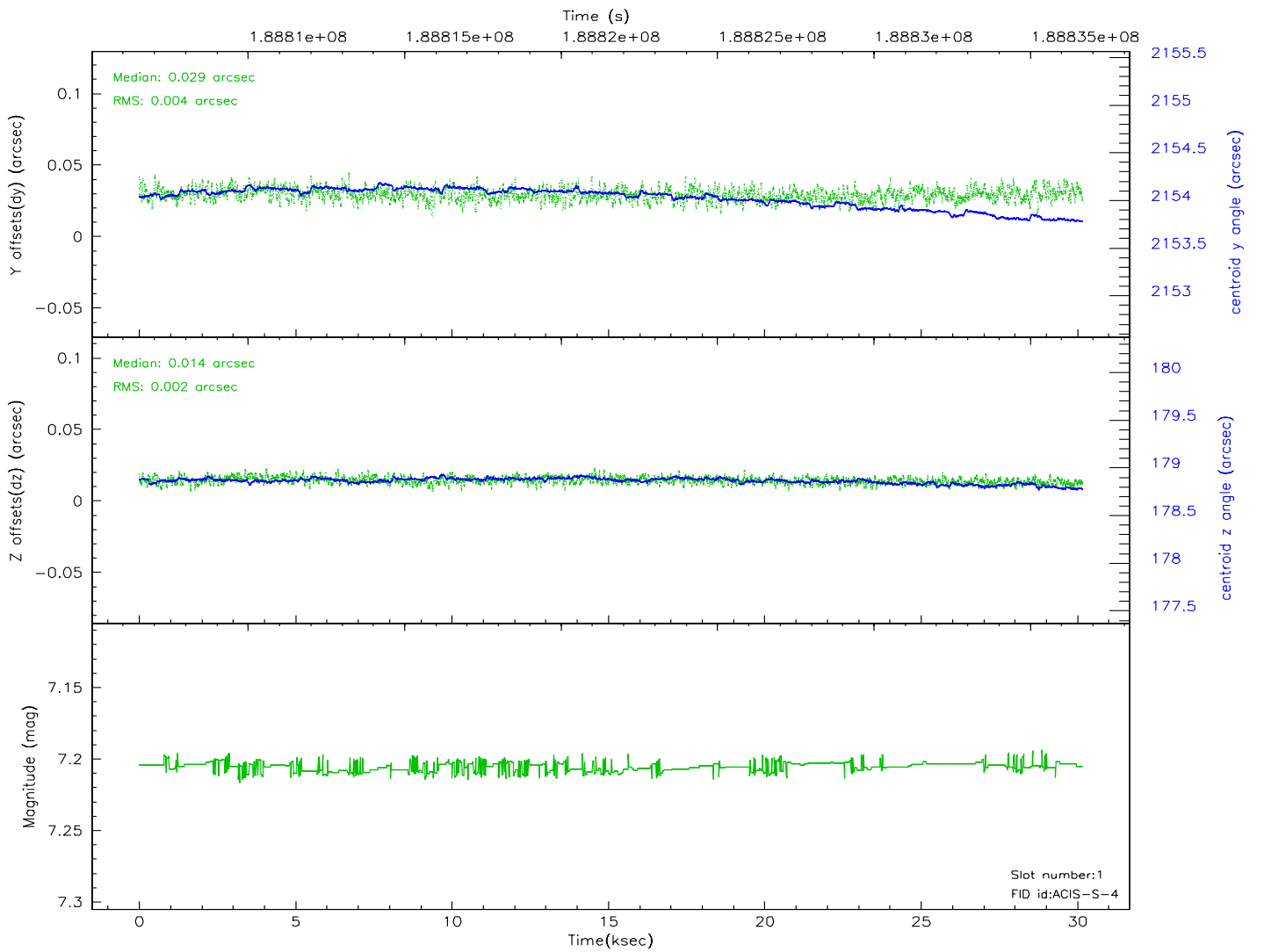
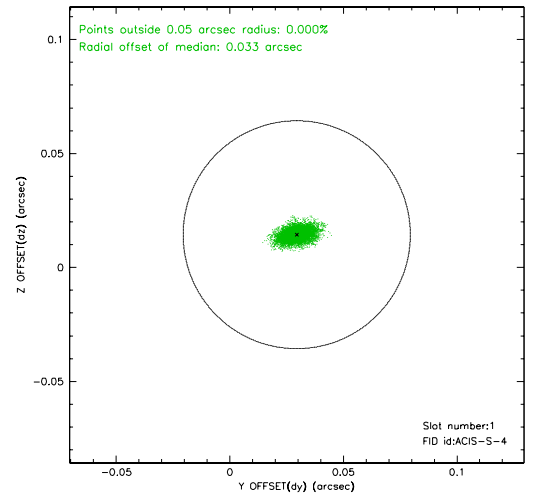
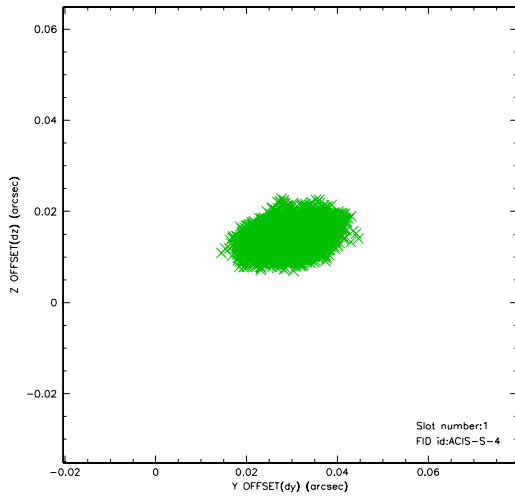


2.5 FID Slots

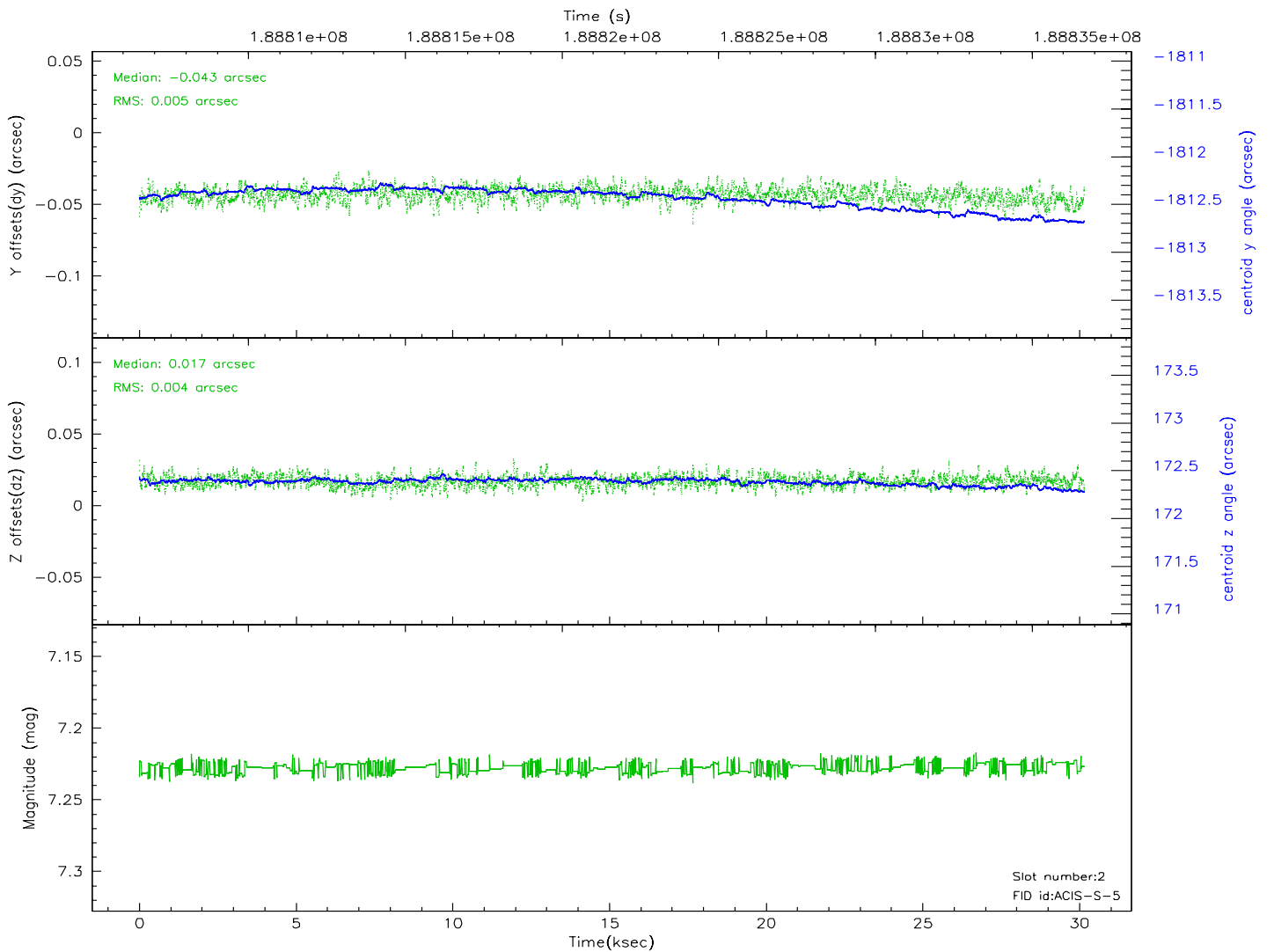
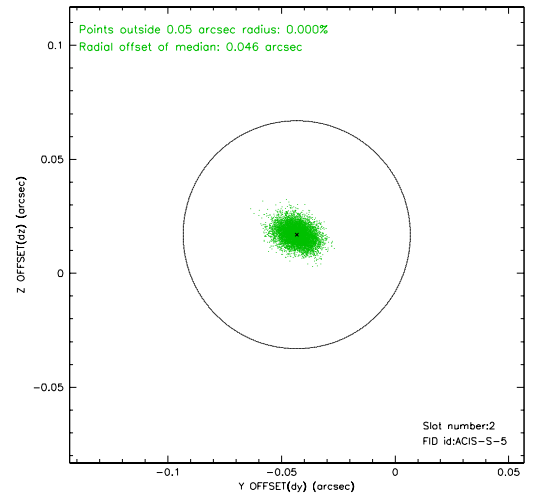
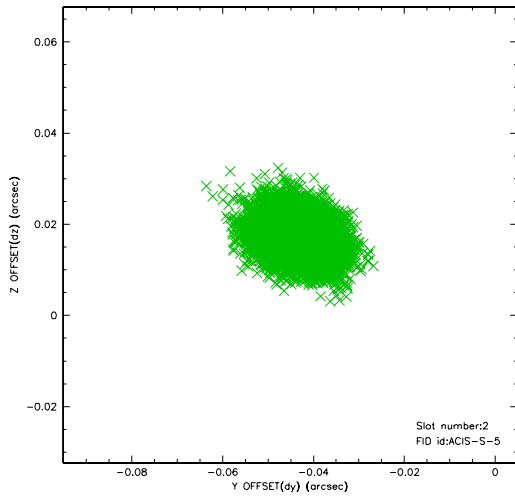
2.5.1 Slot 0



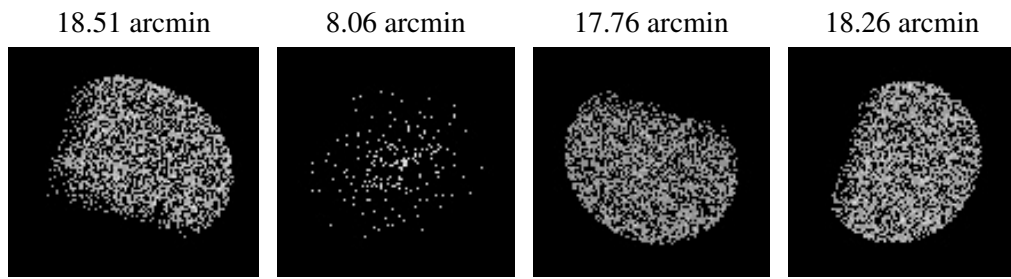
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.159

A.2 Comments

On day 356 at about 00:30, the OBA heater stuck in the 'on' position. This situation affected obsid 4901 and all subsequent observations to this point. The result of this anomaly could be a displacement of the target on the chip in the z direction. The displacement will be small because everything is still within spec, but the target may be spatially displaced, have a different point spread function, or trail across the chip.