

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 431 - L2 Version 001
Chandra X-Ray Center

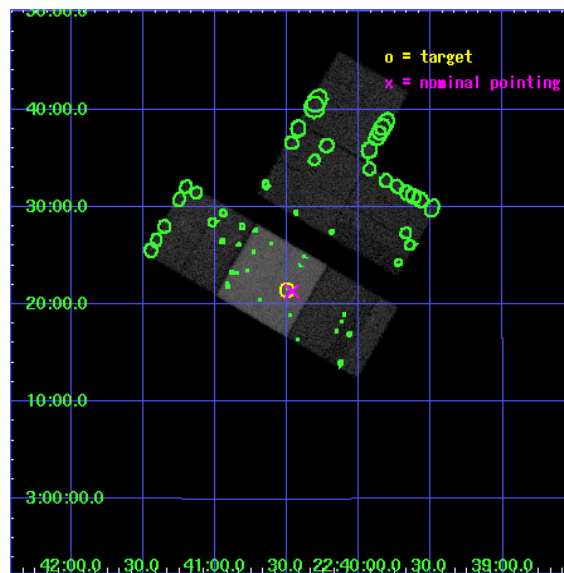
L2 Processing Date : Jun 6 2007

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1 Front

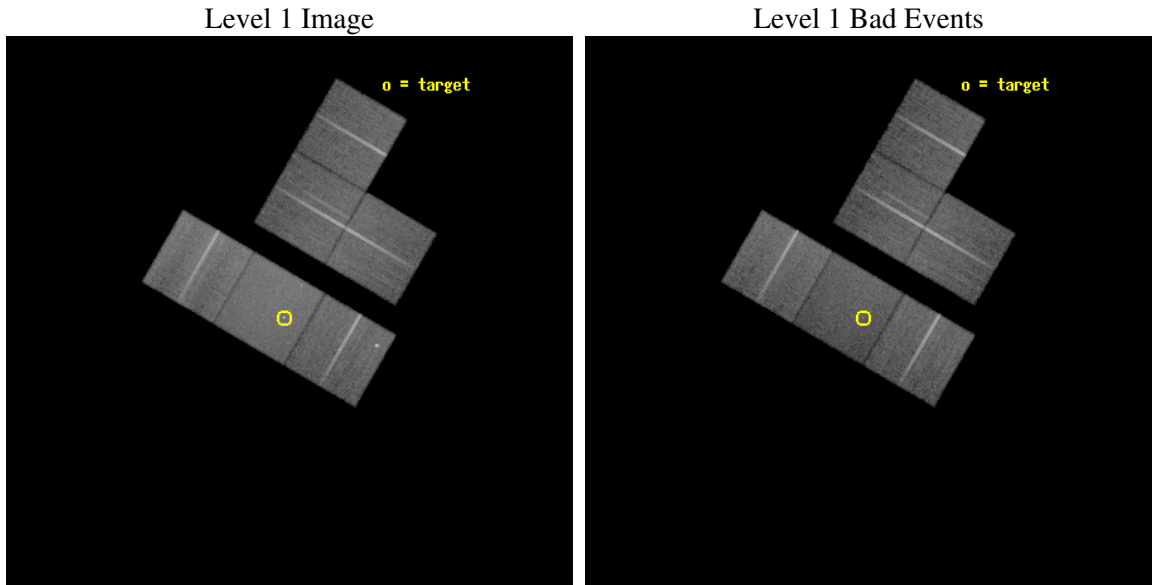
seq_num	700103
obs_id	431
title	A SURVEY OF GRAVITATIONALLY LENSED QUASARS
observer	Prof. Gordon Garmire
object	EINSTEIN CROSS
dtcycle	0
cycle	P
ra_targ	340.12625
dec_targ	3.358611
ra_nom	340.11692356388
dec_nom	3.3552656069419
roll_nom	210.1228376013
revision	2
ontime	30675.200028569
livetime	30286.772175419
ontime1	30675.200028569
ontime2	30671.959058329
ontime3	30675.200028569
ontime6	30671.959058329
ontime7	30675.200028569
ontime8	30671.959058329
l2events	211102



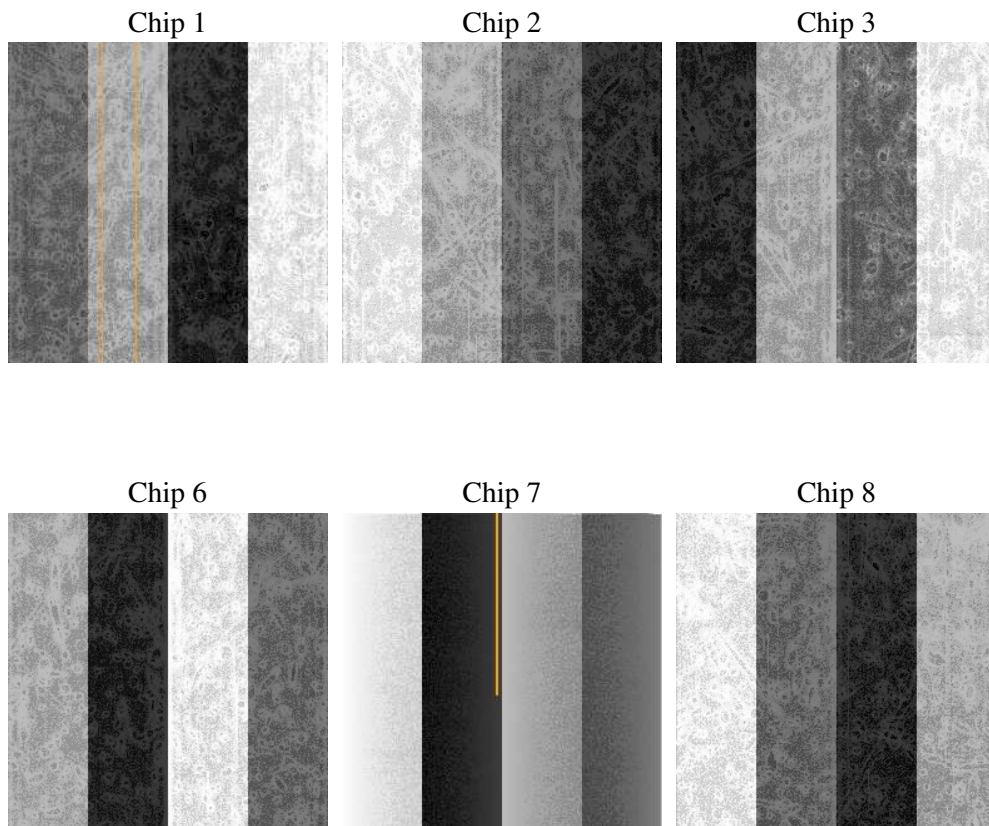
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-06T19:30:42
revision	2

sched_exp_time	30500.000000
ontime	30675.200028569
ontime1	30675.200028569
ontime2	30671.959058329
ontime3	30675.200028569
ontime6	30671.959058329
ontime7	30675.200028569
ontime8	30671.959058329
l1events	1211189

2.1.4 Events

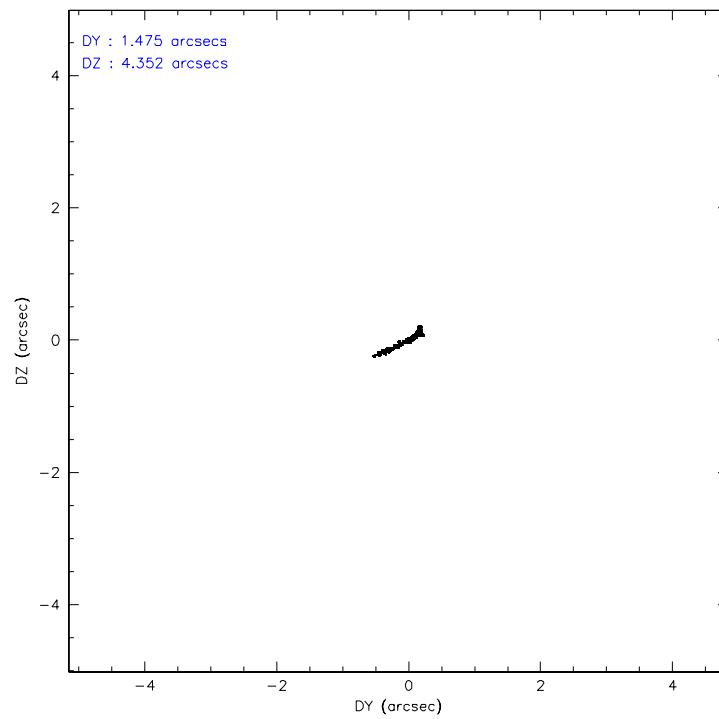
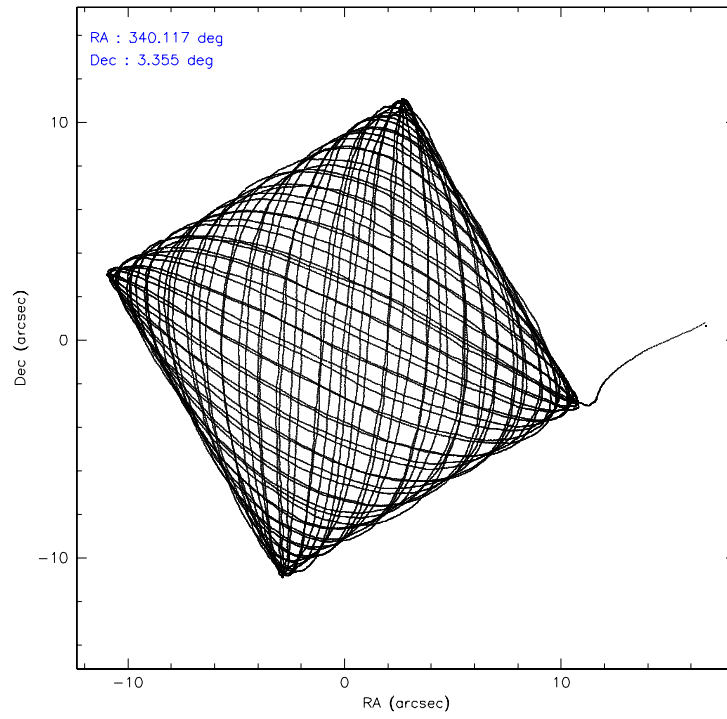
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	175381	184141	181703	192402	233831	243731
rejected events	150081	161311	157608	164597	130505	186816
rejected %	85%	87%	86%	85%	55%	76%

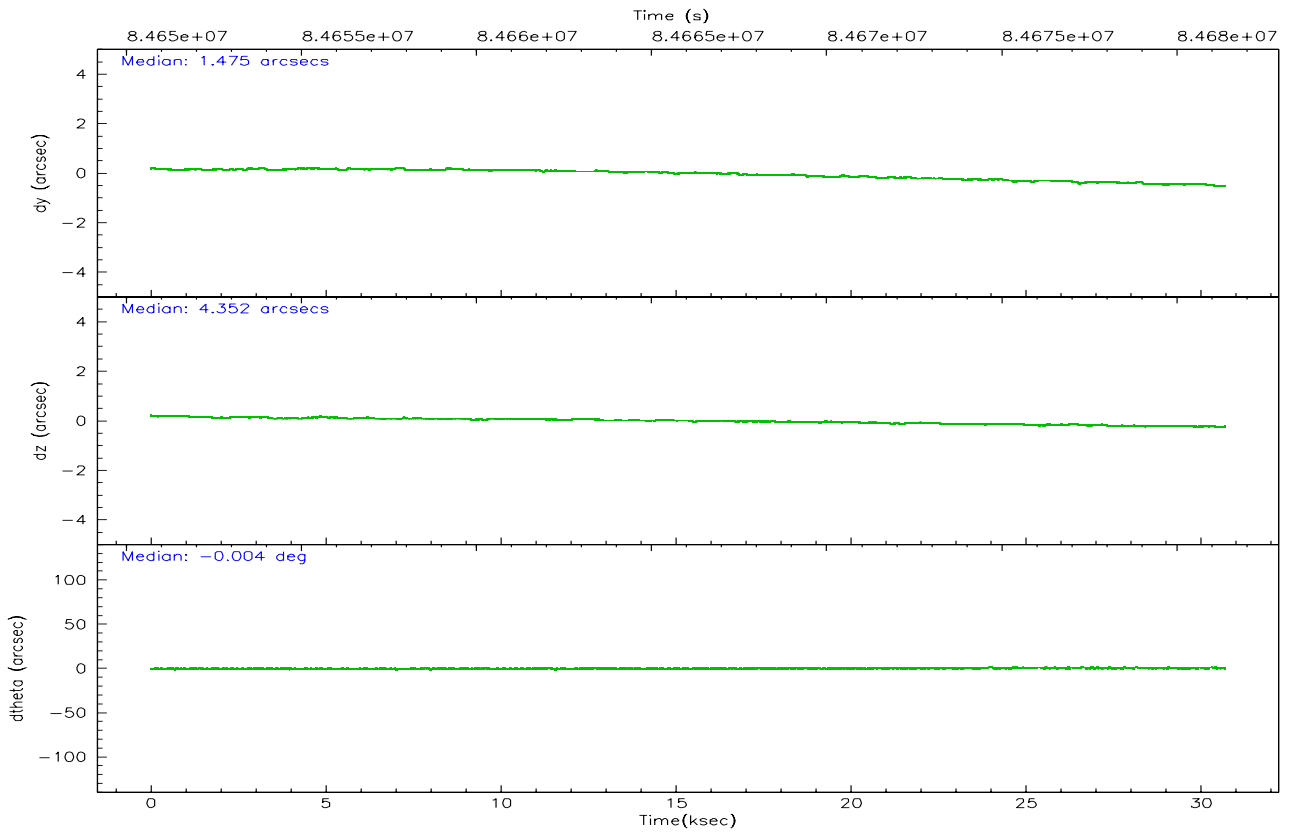
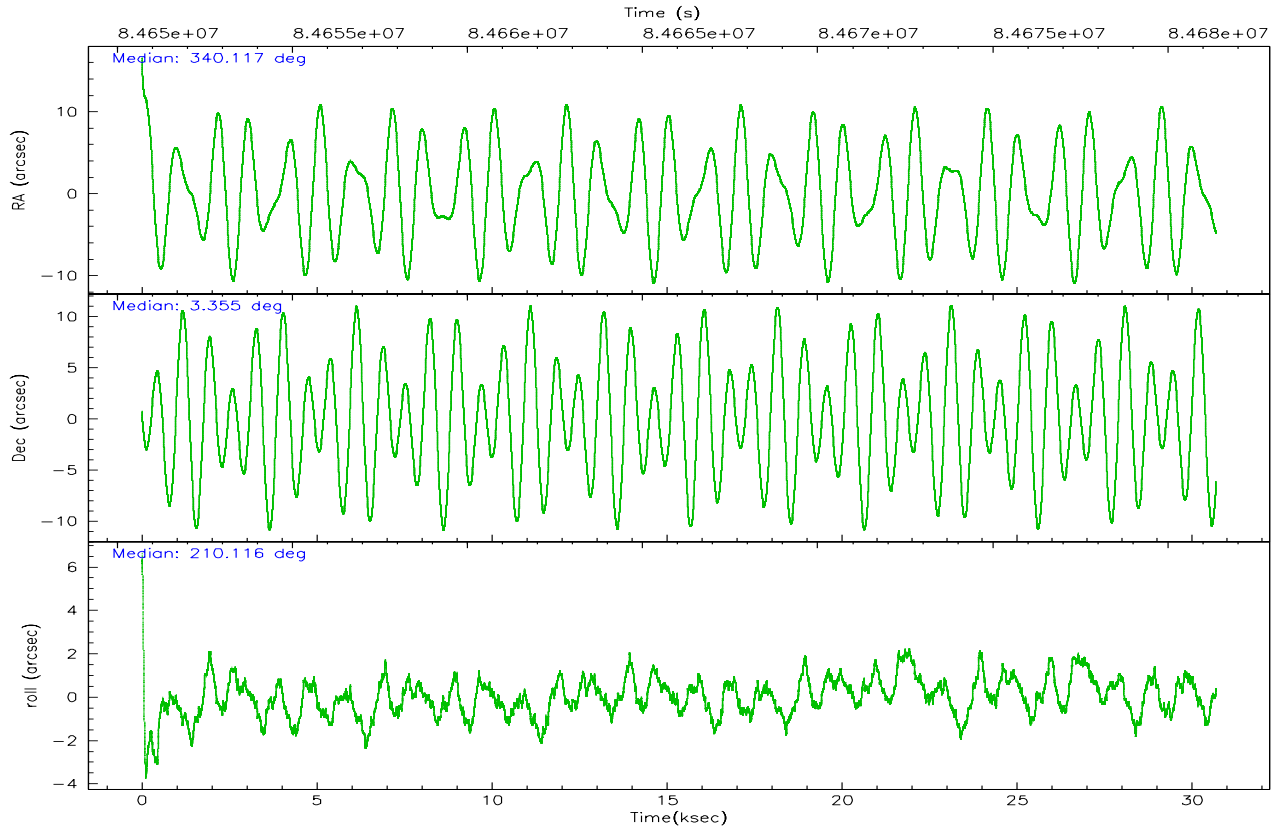
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	10456	9726	10650	13584	10629	20492
	5%	5%	5%	7%	4%	8%
grade 1 events	81	74	75	112	205	177
	0%	0%	0%	0%	0%	0%
grade 2 events	5671	5163	5286	5465	20413	11696
	3%	2%	2%	2%	8%	4%
grade 3 events	2266	1917	2023	2130	9369	6349
	1%	1%	1%	1%	4%	2%
grade 4 events	2322	2042	2014	2154	9373	5824
	1%	1%	1%	1%	4%	2%
grade 5 events	6741	5835	6508	7247	21889	9316
	3%	3%	3%	3%	9%	3%
grade 6 events	4630	4007	4158	4521	53672	12606
	2%	2%	2%	2%	22%	5%
grade 7 events	143214	155377	150989	157189	108281	177271
	81%	84%	83%	81%	46%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-123678	ACIS-123678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	340.130411	340.1169235638774	Subarray requested	NONE	NONE
Pointing Dec	3.379091	3.355265606941939	Alternating exposures requested	N	N
Pointing Roll	209.965419	210.1228376013024	Primary exposure time	3.200000	3.2
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	84650881.184000	84649793.43272901			
Observation start date	2000-09-06T18:06:57	2000-09-06T17:49:53			
Observation end time	84681381.184000	84682503.23395801			
Observation end date	2000-09-07T02:35:17	2000-09-07T02:55:03			
Read mode	TIMED	TIMED			

2.3 Aspect



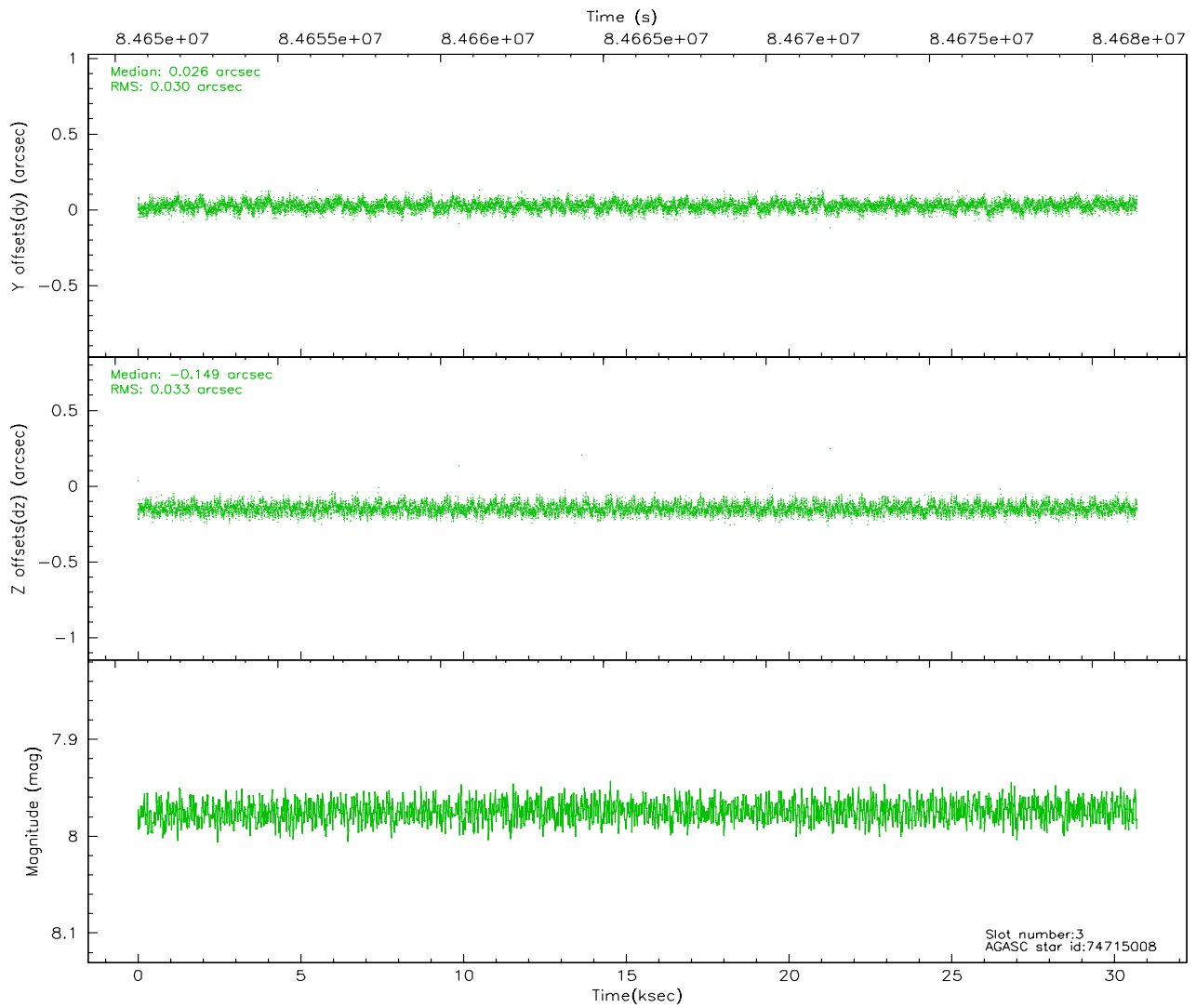
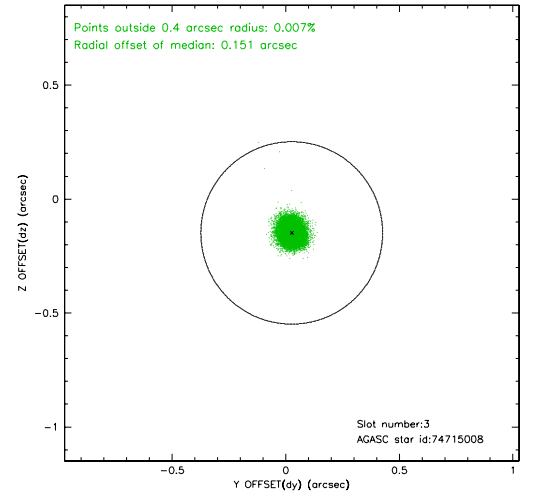
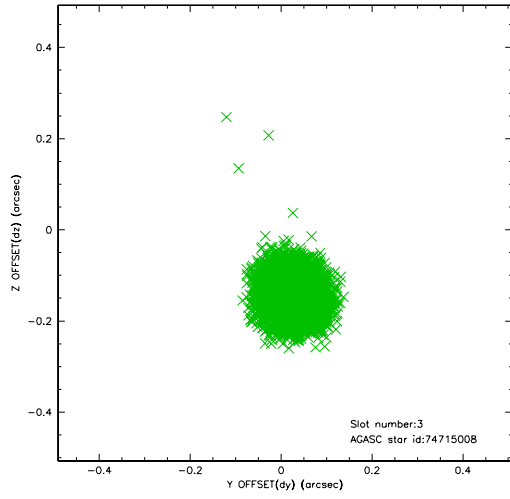


Slot Statistics

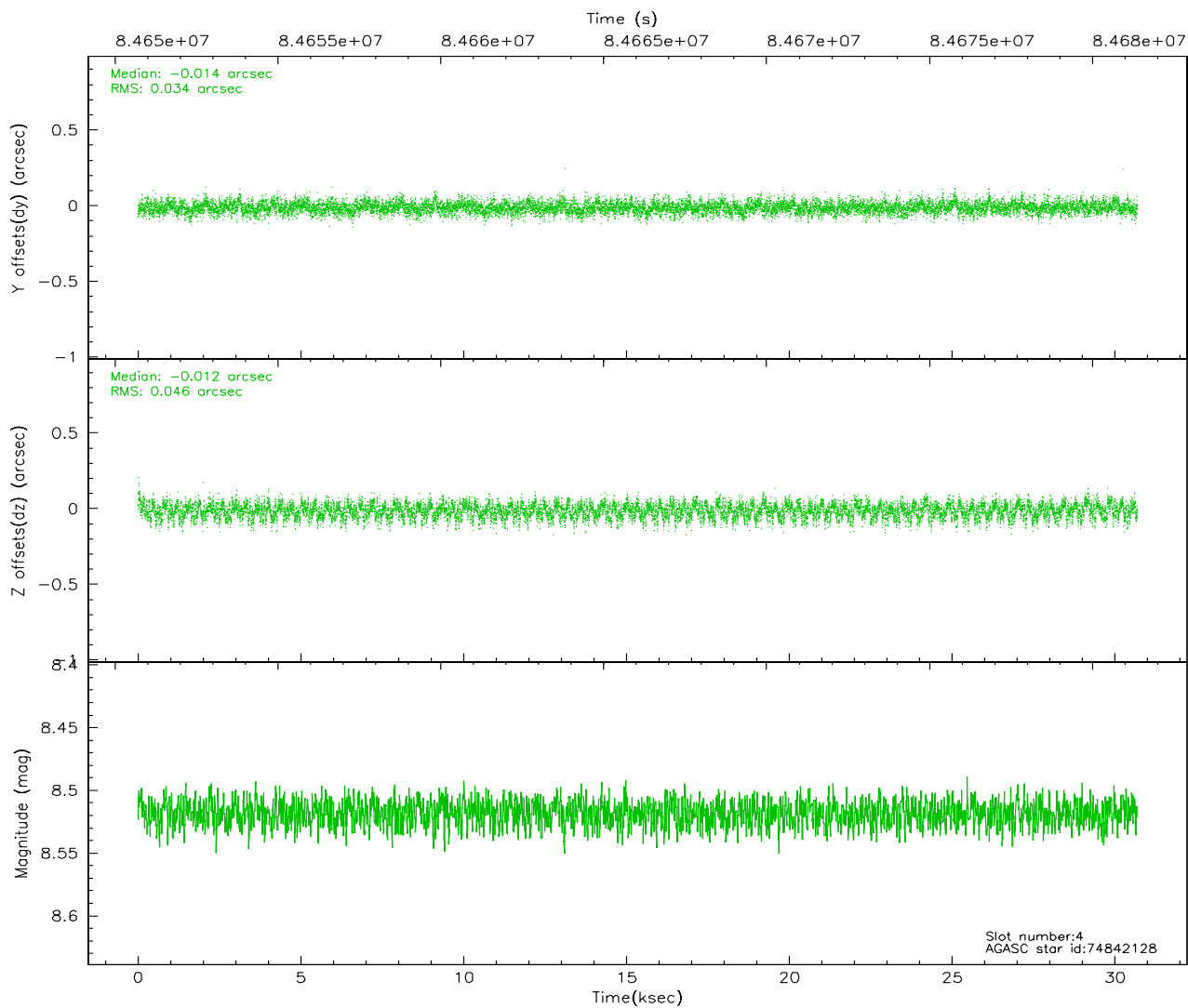
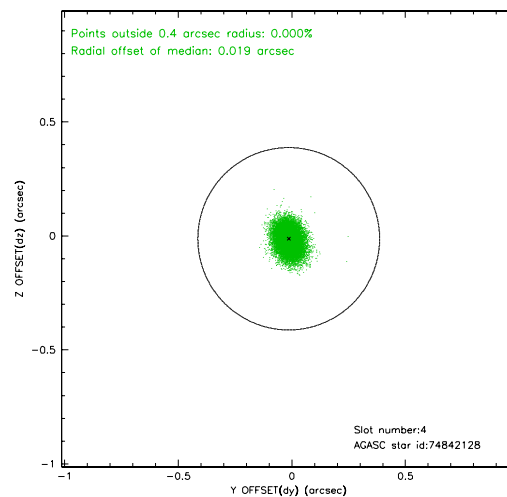
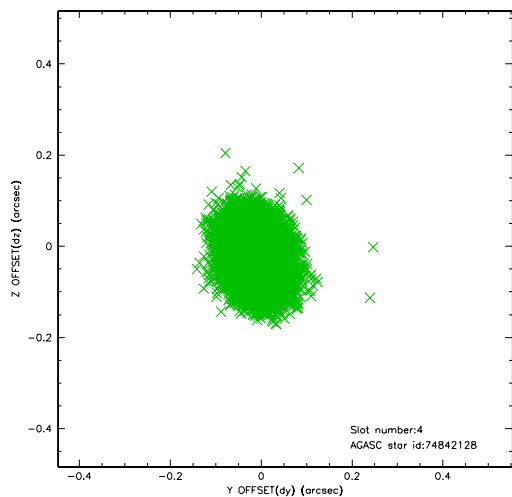
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7482	0.012	0.005	0.009	0.025	0.000000	0.000000	-754.02	-1725.37
1	FID	ACIS-S-3	7.37	7482	-0.011	0.005	0.011	0.017	0.000000	0.000000	59.06	-1854.67
2	FID	ACIS-S-4	7.20	7483	-0.028	-0.007	0.006	0.022	0.000000	0.000000	2159.31	183.00
3	GUIDE	74715008	7.97	14964	0.026	-0.149	0.048	0.076	339.956848	3.242441	786.35	114.90
4	GUIDE	74842128	8.52	14962	-0.014	-0.012	0.061	0.099	340.118134	3.132788	481.30	746.58
5	GUIDE	74723224	8.71	14960	0.006	0.132	0.058	0.096	339.594650	3.574222	1317.00	-1569.81
6	GUIDE	74855640	8.85	14960	-0.029	0.059	0.069	0.111	340.341123	3.746937	-1316.88	-769.04
7	GUIDE	74842752	9.48	14956	0.011	-0.029	0.095	0.150	340.751816	3.211667	-1634.39	1637.31

2.4 Star Slots

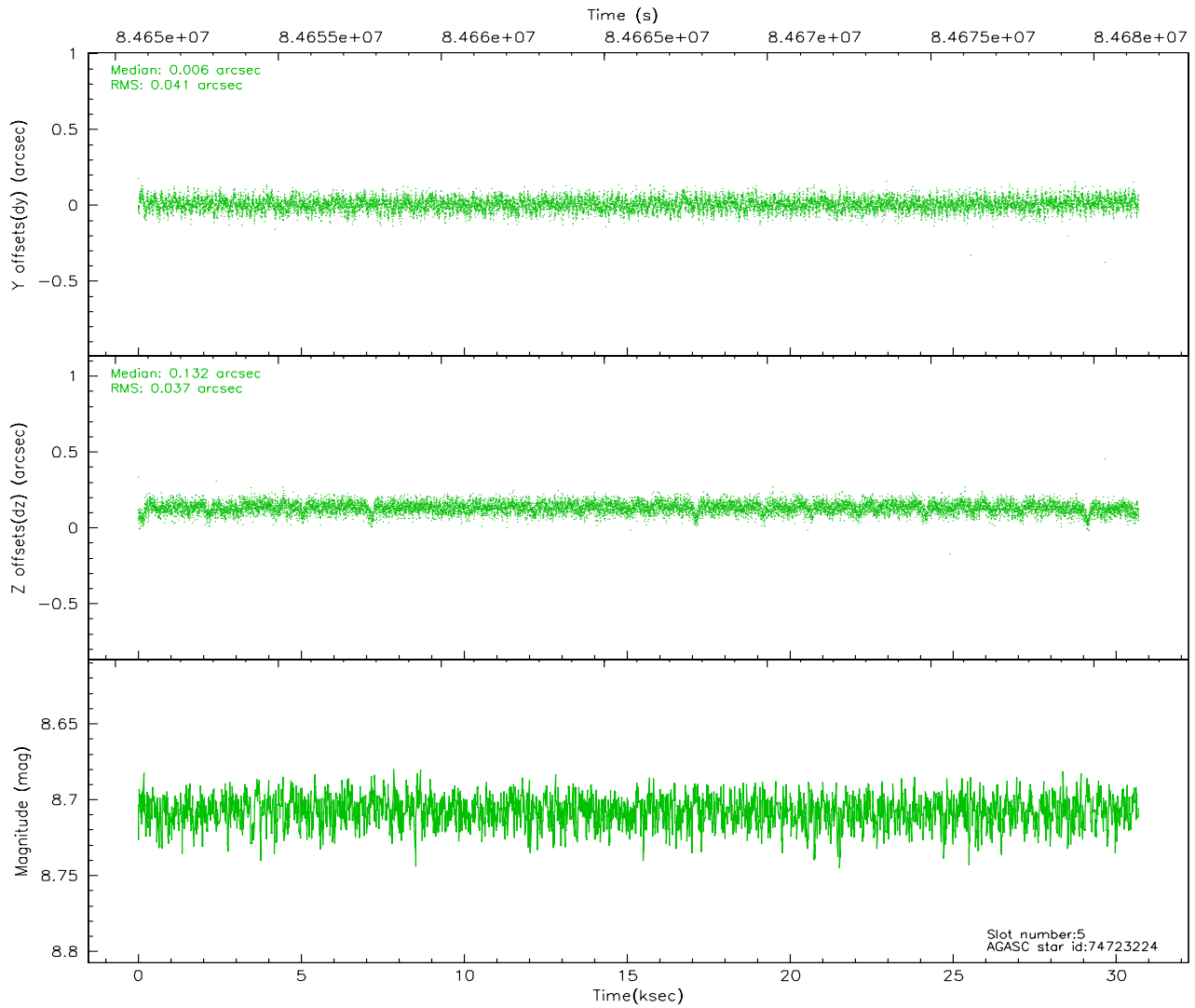
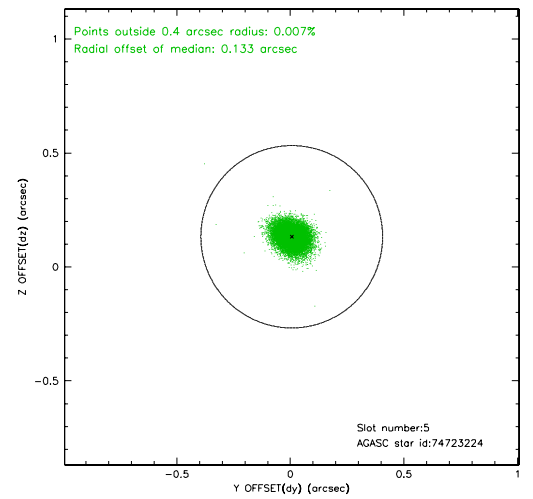
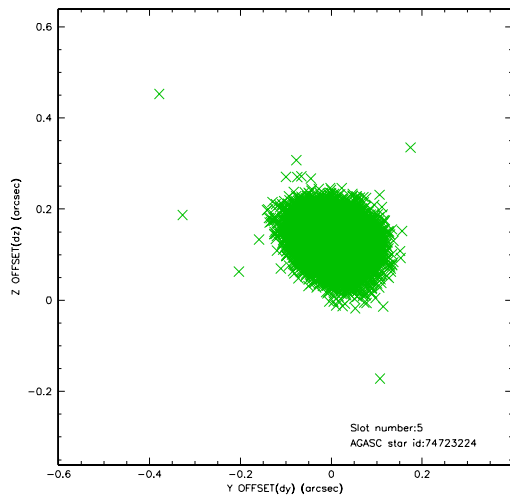
2.4.1 Slot 3



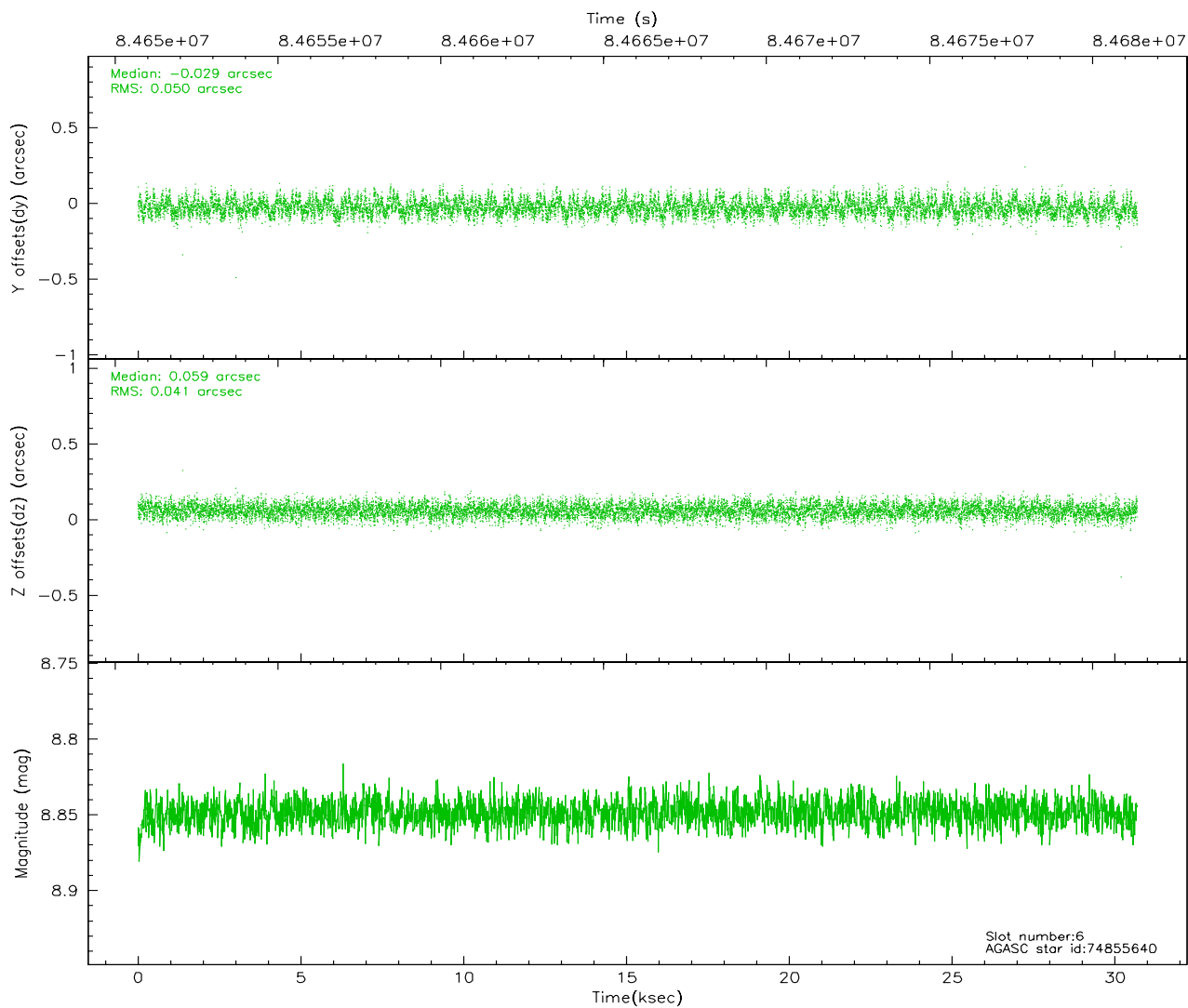
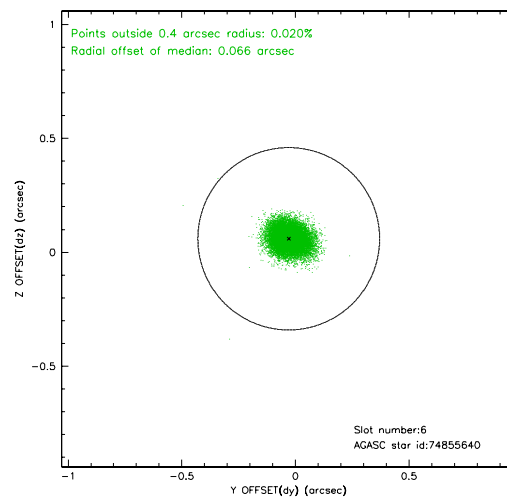
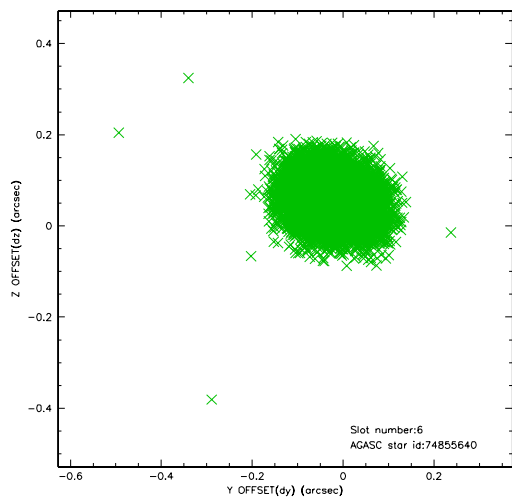
2.4.2 Slot 4



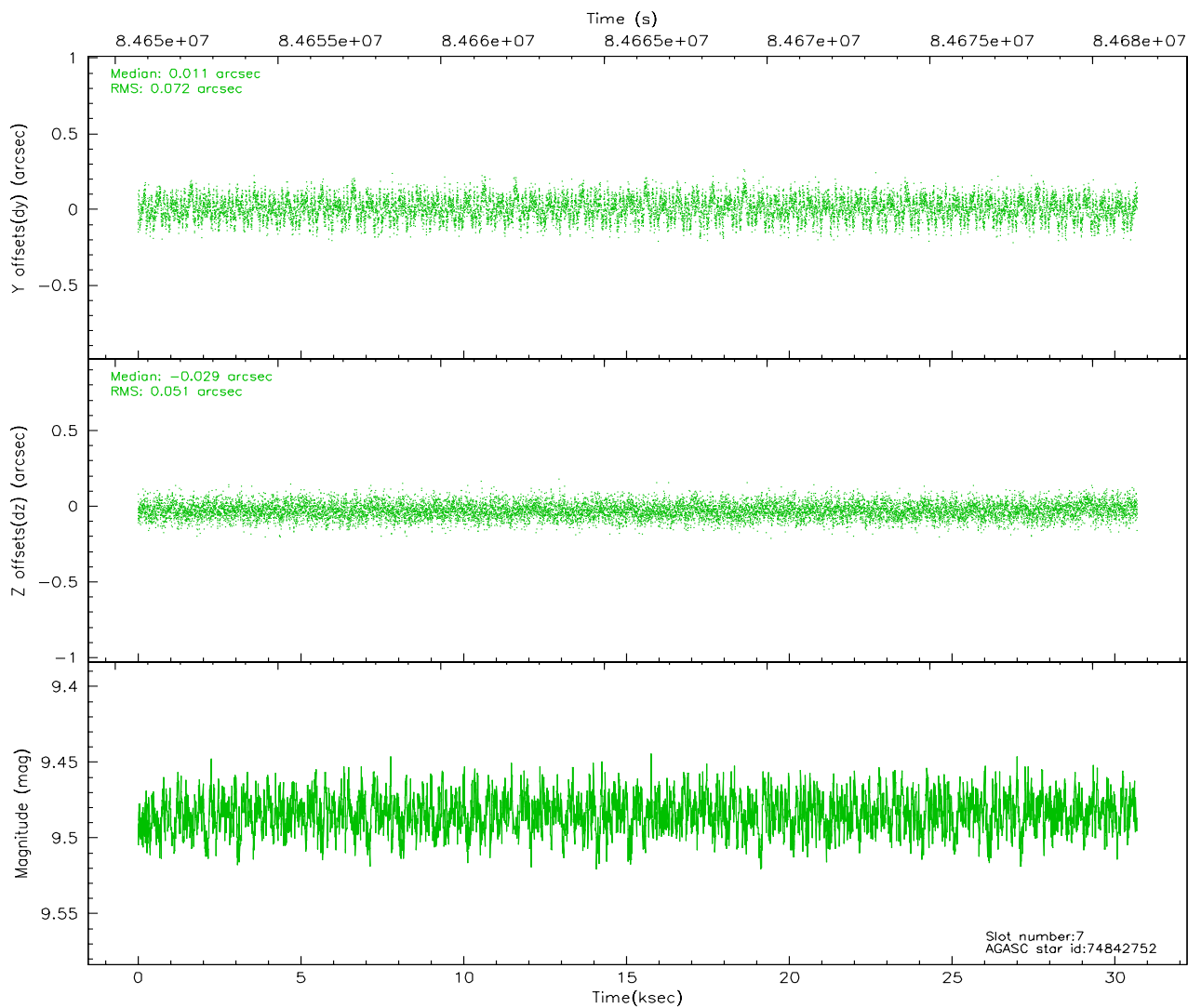
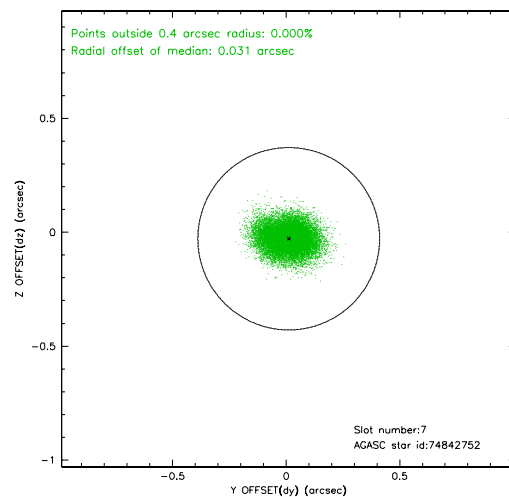
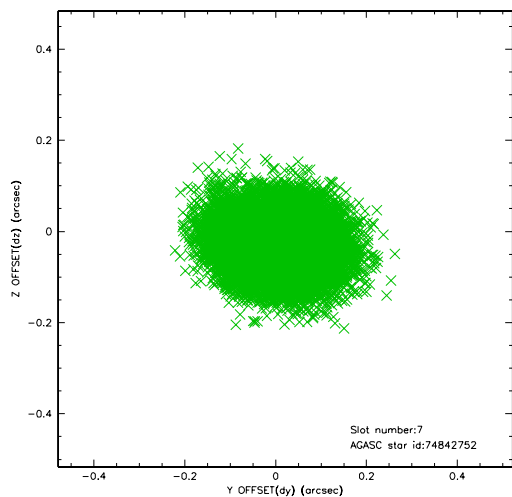
2.4.3 Slot 5



2.4.4 Slot 6

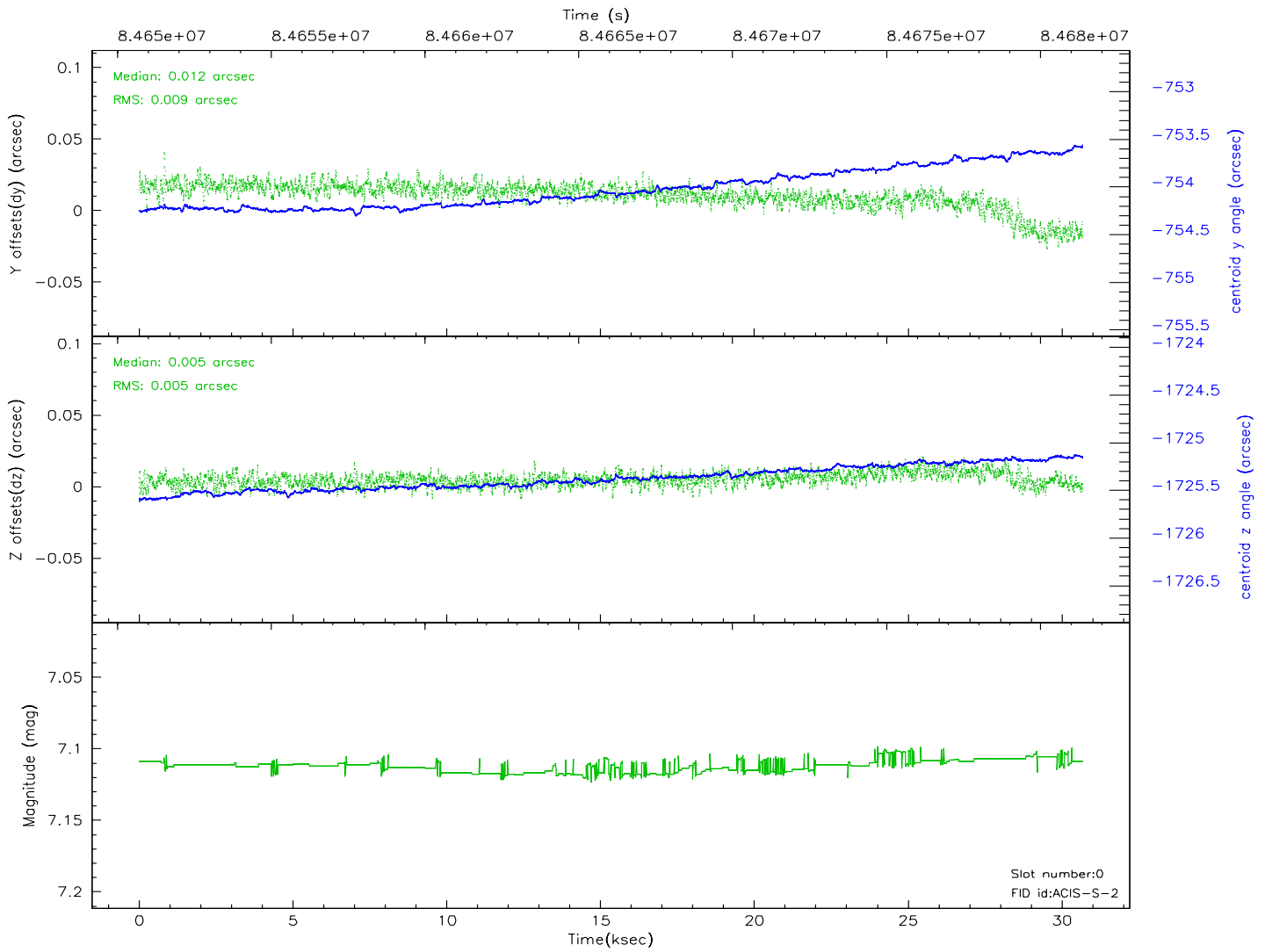
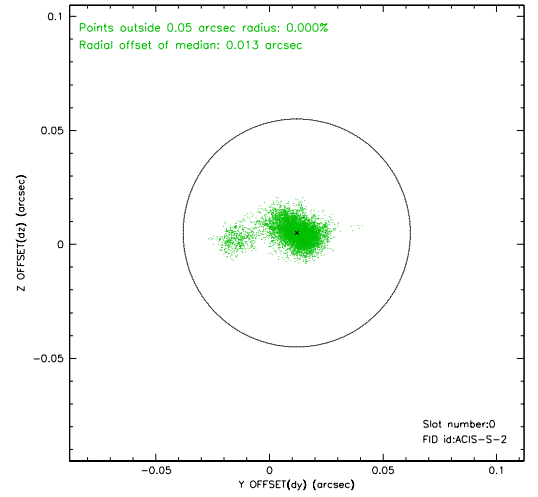
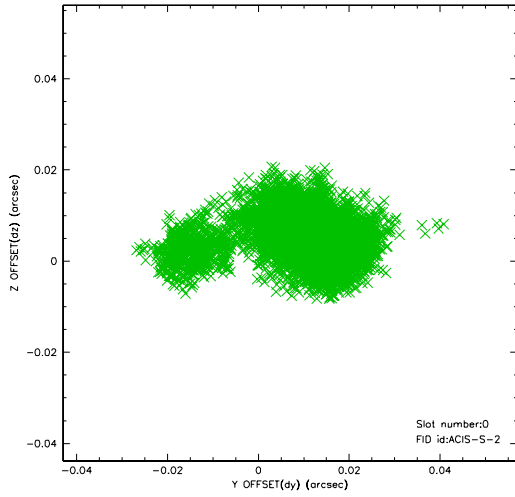


2.4.5 Slot 7

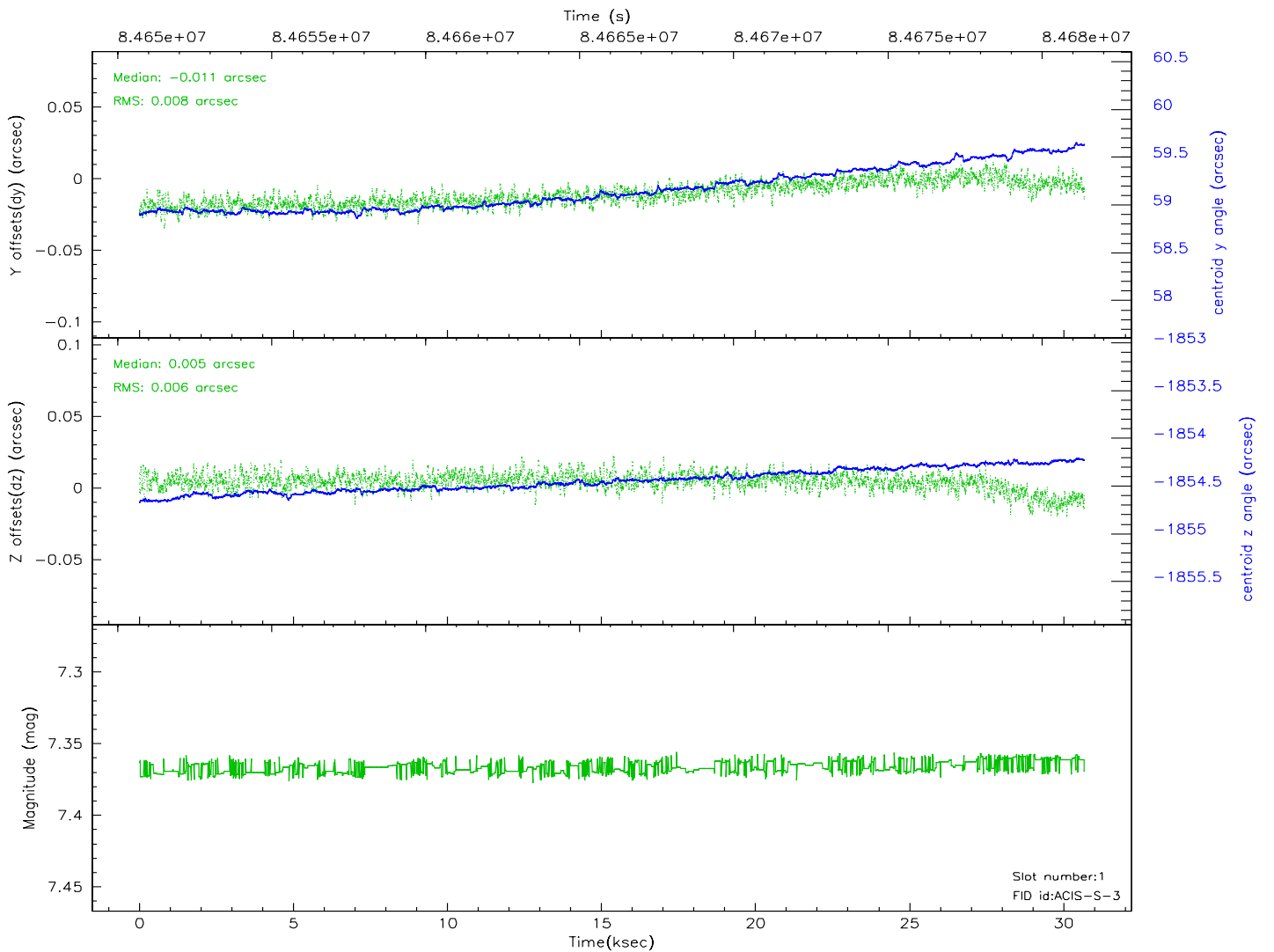
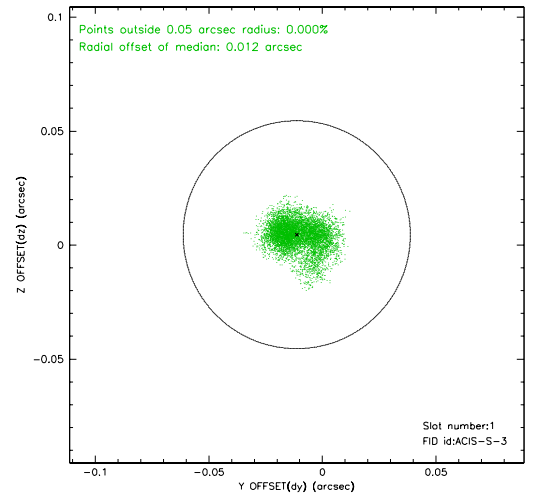
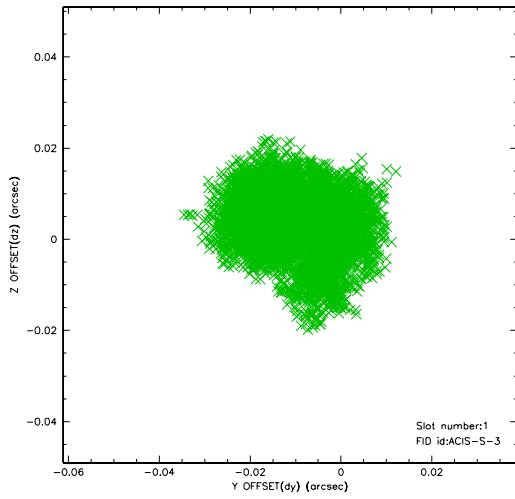


2.5 FID Slots

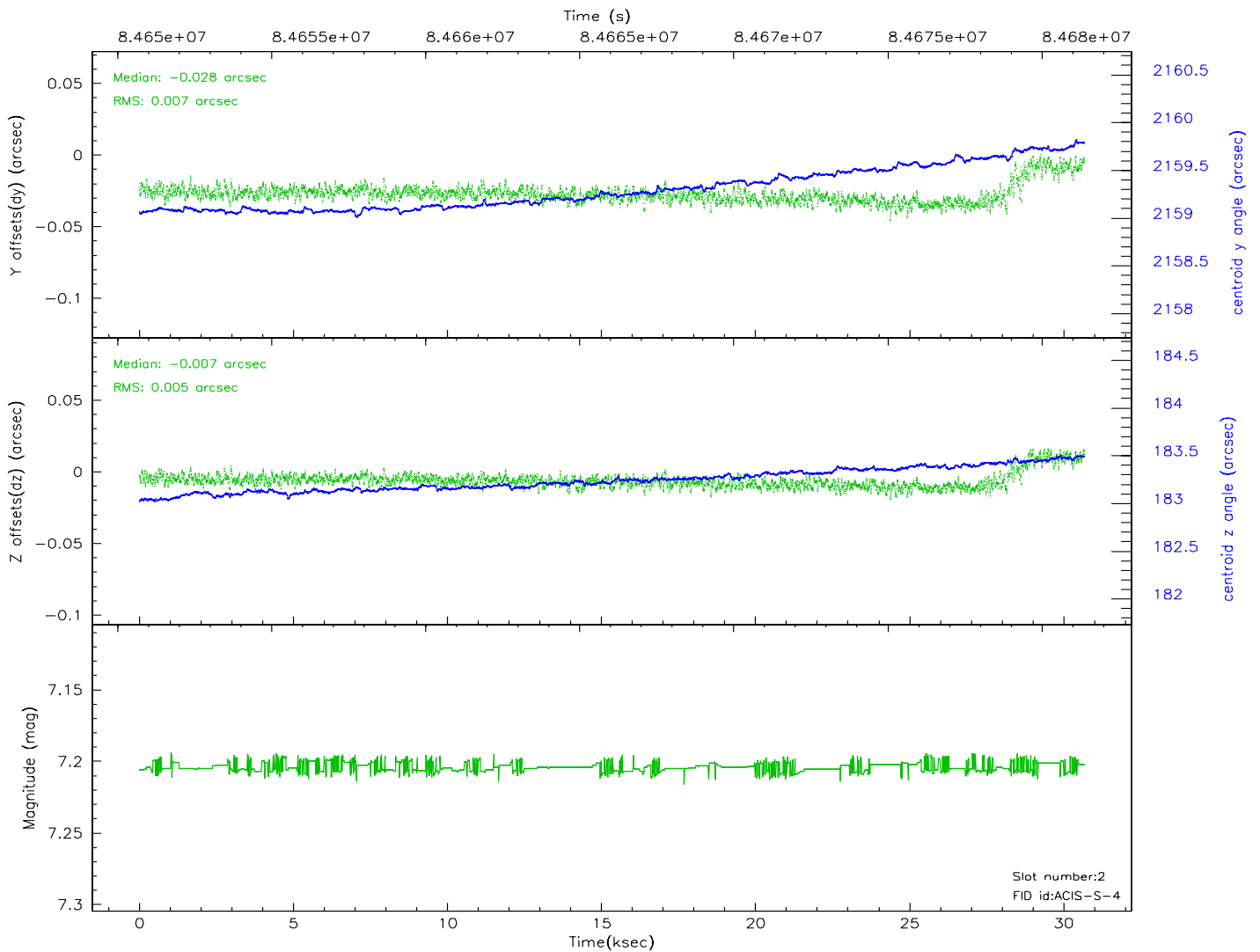
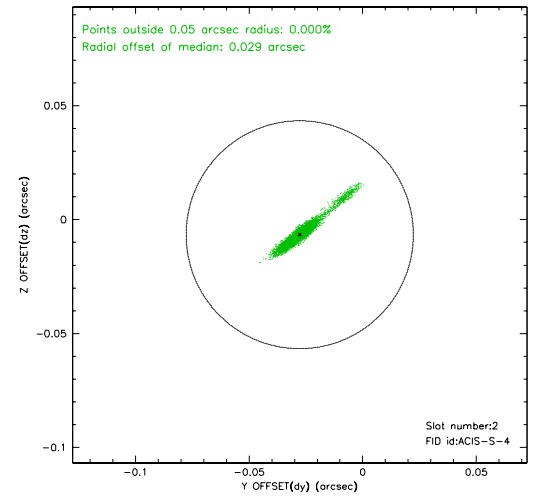
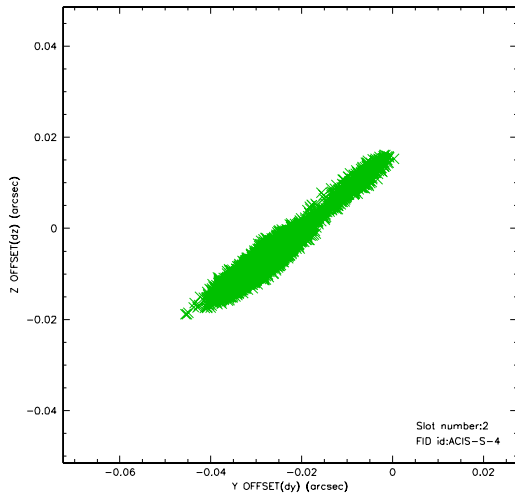
2.5.1 Slot 0



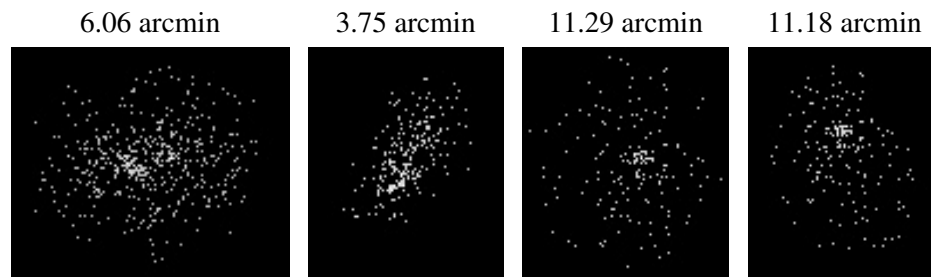
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.675

A.2 Comments