

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4728 - L2 Version 001
Chandra X-Ray Center

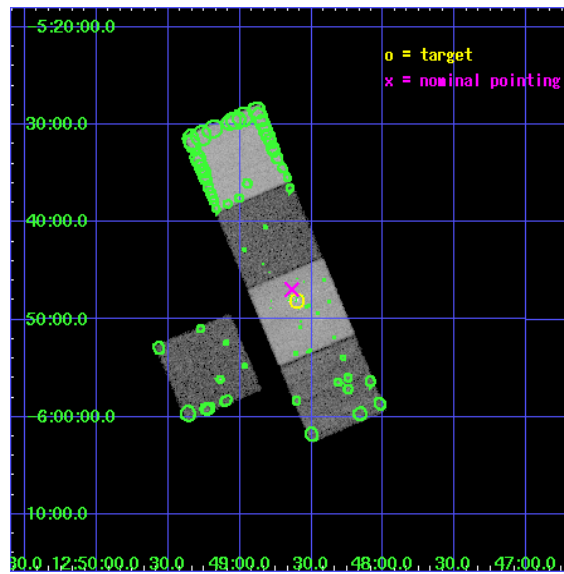
L2 Processing Date : Jun 8 2006

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1 Front

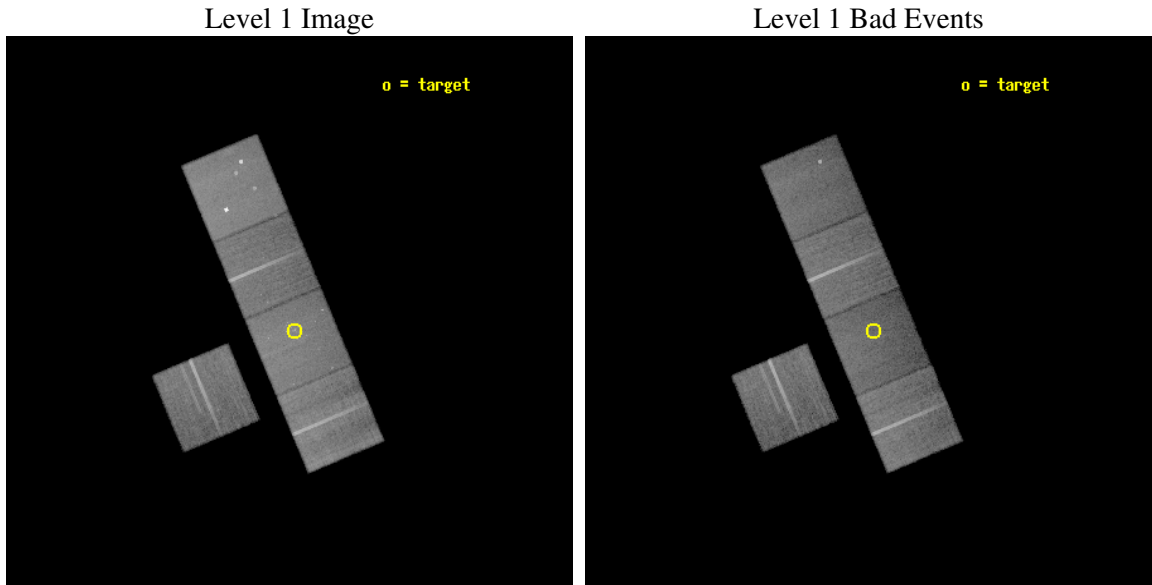
seq_num	600383
obs_id	4728
title	Deep Chandra and Hubble Observations NGC 4697, the Nearest Optically Luminous, X-ray Faint Elliptical Galaxy
observer	Dr. Craig Sarazin
object	NGC4697
dtcycle	0
cycle	P
ra_targ	192.149583
dec_targ	-5.800556
ra_nom	192.15922194448
dec_nom	-5.7821728257766
roll_nom	67.211913101249
revision	2
ontime	36155.299930483
livetime	35682.904319747
ontime3	36155.299930483
ontime5	36155.299930483
ontime6	36152.159069896
ontime7	36155.299930483
ontime8	36155.299930483
l2events	266929



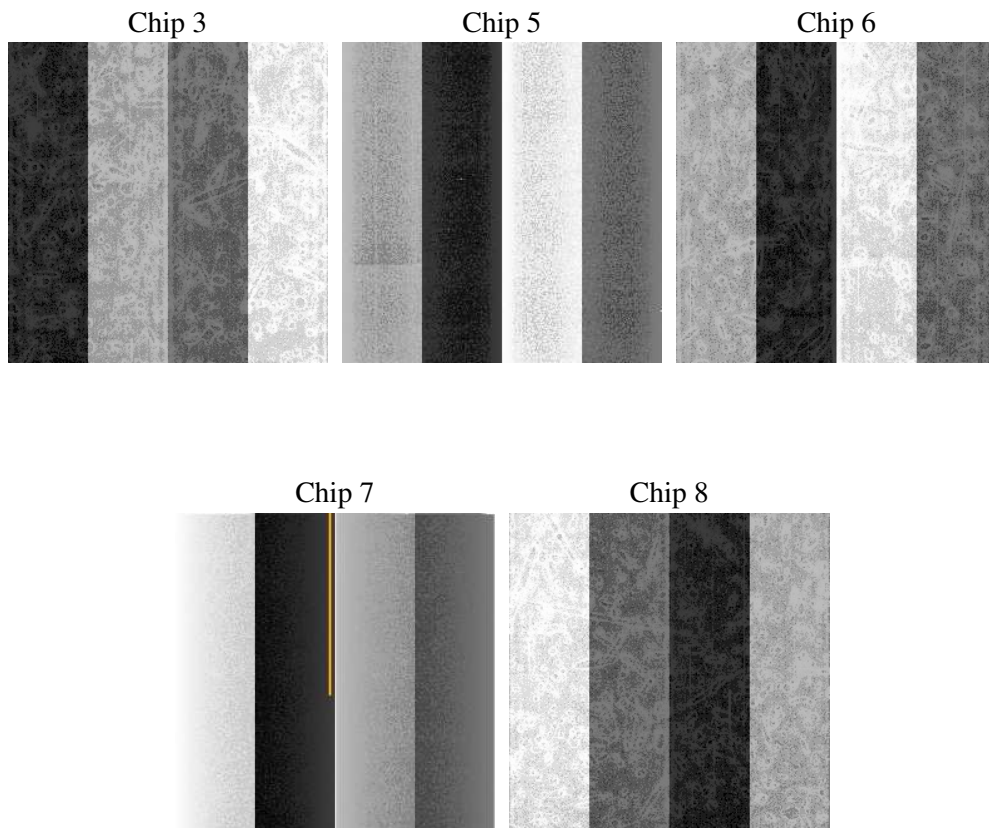
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-08T06:10:32
revision	2

sched_exp_time	36000.000000
ontime	36834.5401434
ontime3	36834.5401434
ontime5	36834.5401434
ontime6	36831.399282813
ontime7	36834.5401434
ontime8	36834.5401434
l1events	1115302

2.1.4 Events

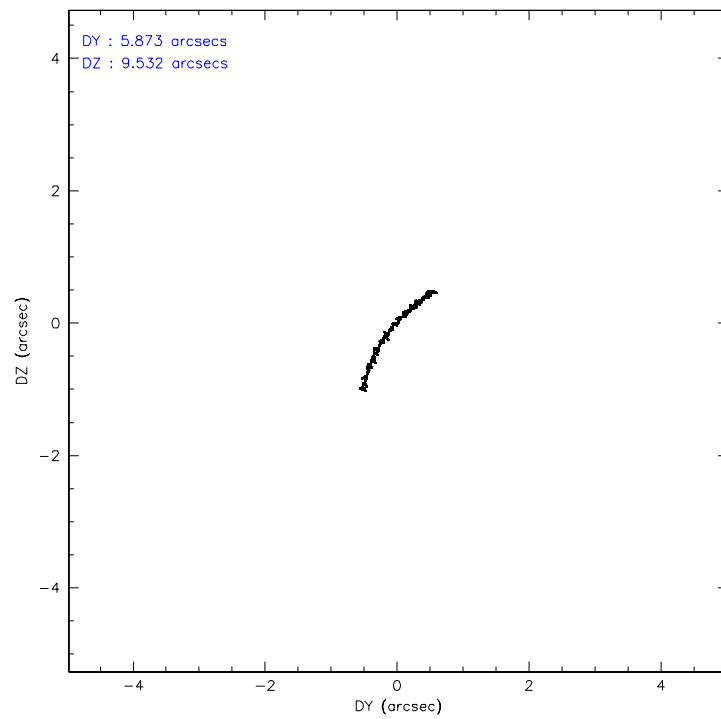
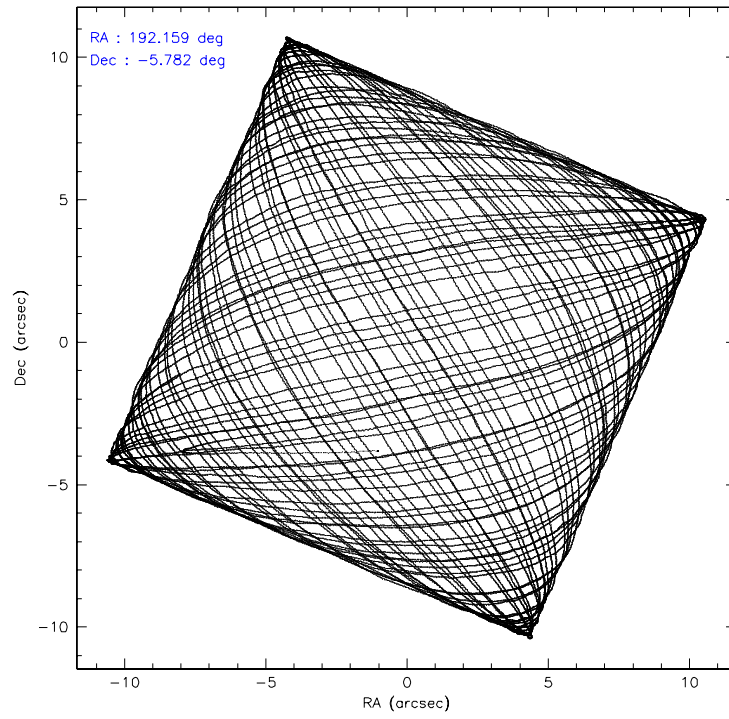
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	183532	274548	195012	223421	238789
rejected events	165488	141741	174125	125650	185136
rejected %	90%	51%	89%	56%	77%

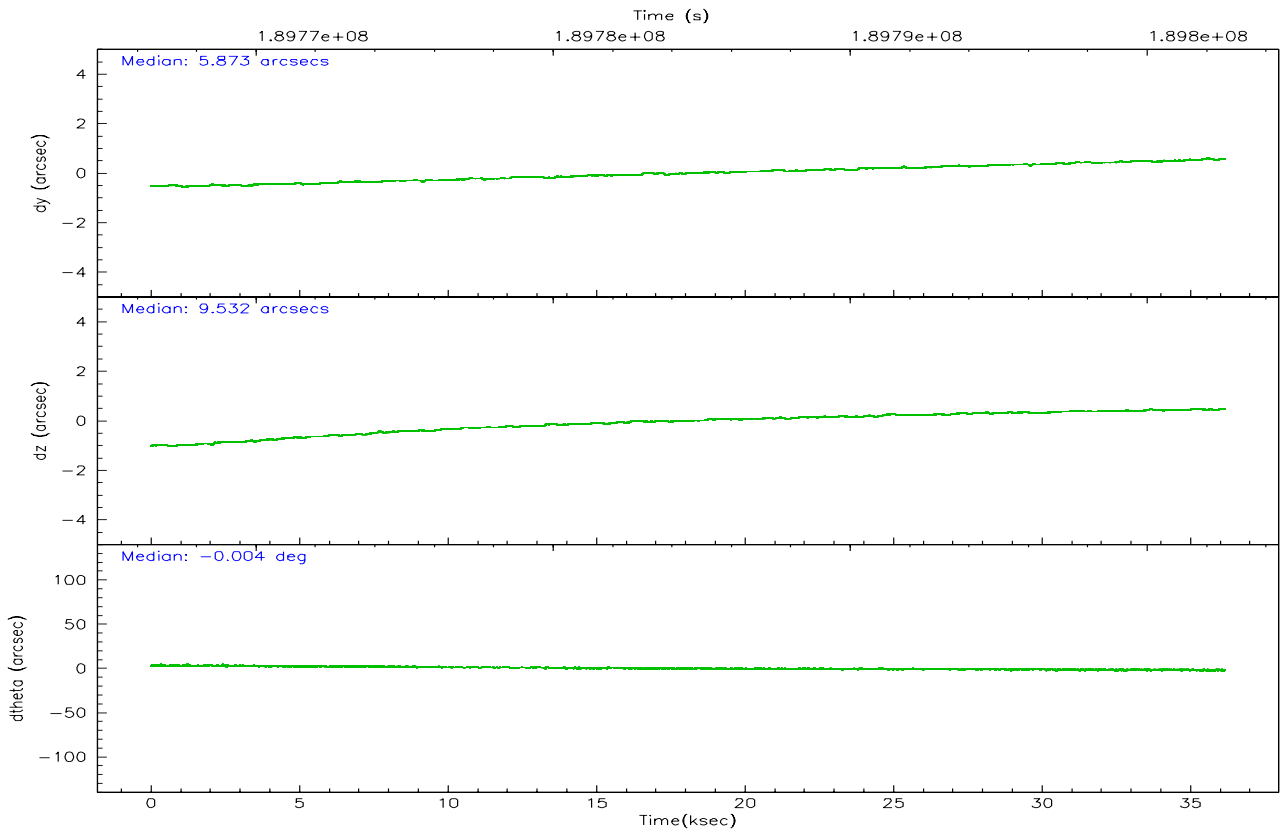
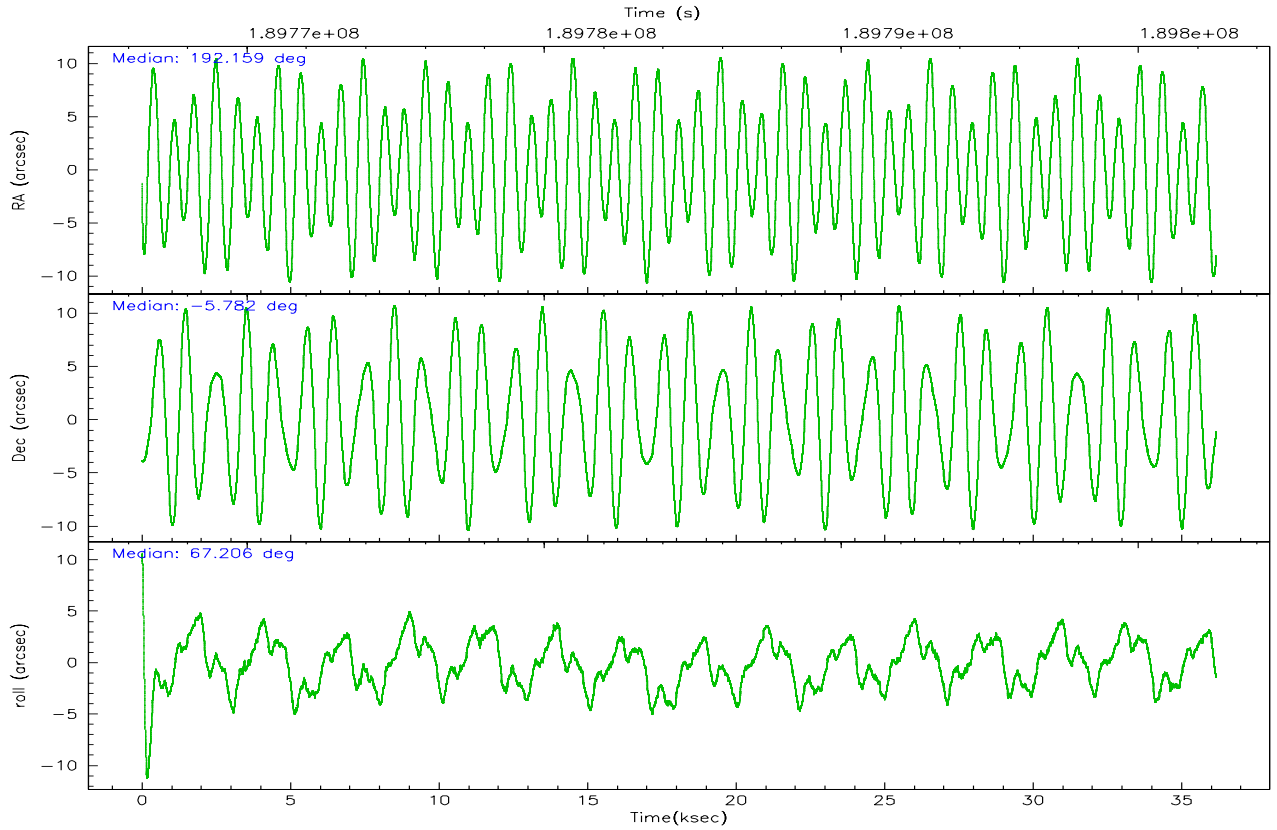
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6946	18212	8160	8898	17421
	3%	6%	4%	3%	7%
grade 1 events	94	111	100	106	161
	0%	0%	0%	0%	0%
grade 2 events	3863	40110	4292	24246	12010
	2%	14%	2%	10%	5%
grade 3 events	2102	3631	2270	6352	5794
	1%	1%	1%	2%	2%
grade 4 events	2028	3528	2277	6205	5466
	1%	1%	1%	2%	2%
grade 5 events	7356	14682	7714	16640	10709
	4%	5%	3%	7%	4%
grade 6 events	3435	69890	4230	53801	14096
	1%	25%	2%	24%	5%
grade 7 events	157708	124384	165969	107173	173132
	85%	45%	85%	47%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	192.163042	192.1592219444834	Alternating exposures requested	N	N
Pointing Dec	-5.809121	-5.78217282577656	Primary exposure time	0.000000	3.1
Pointing Roll	67.055666	67.21191310124938			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	189766630.184000	189765307.11809			
Observation start date	2004-01-06T08:56:06	2004-01-06T08:35:07			
Observation end time	189802630.184000	189803250.05724			
Observation end date	2004-01-06T18:56:06	2004-01-06T19:07:30			
Read mode	TIMED	TIMED			

2.3 Aspect



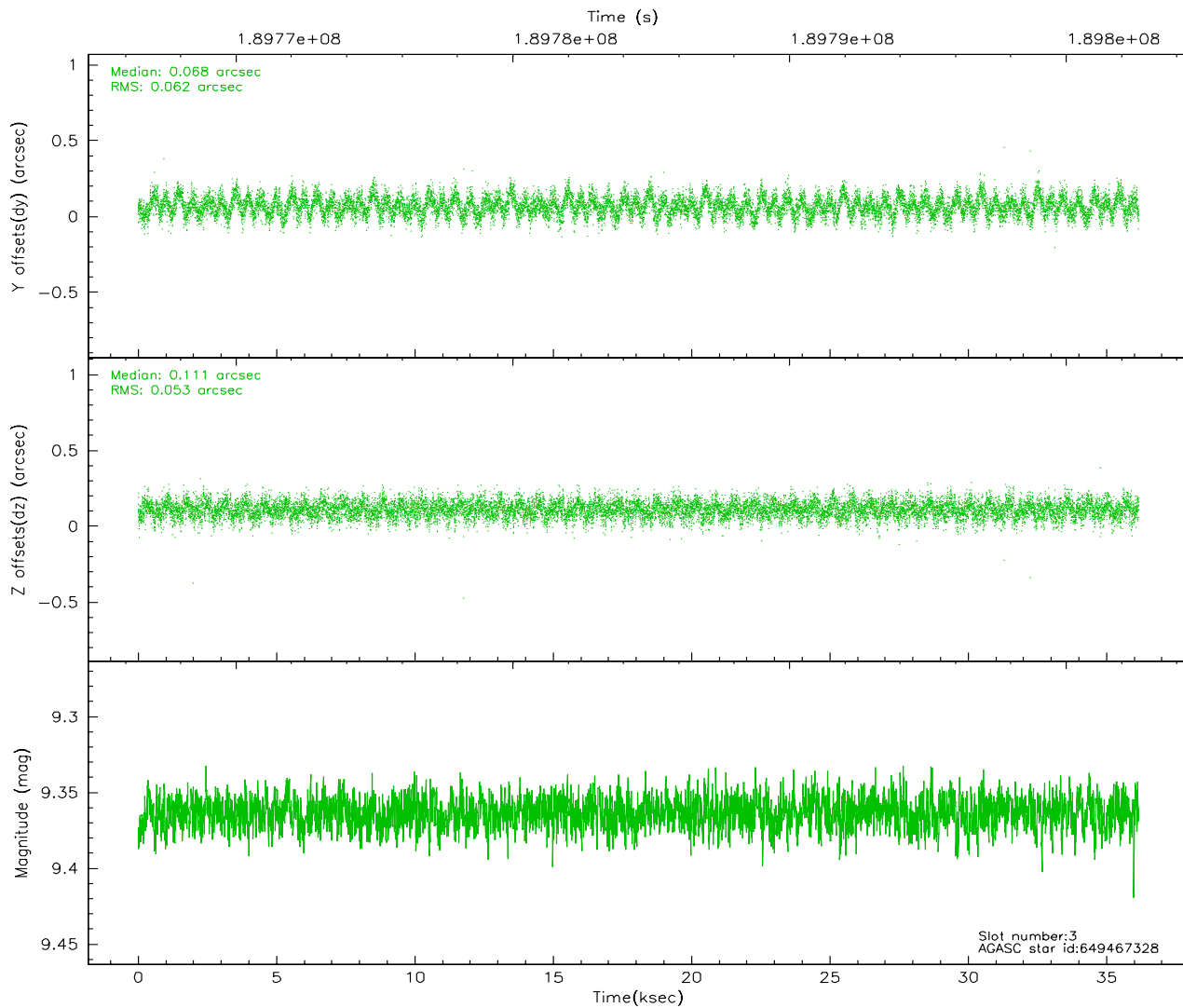
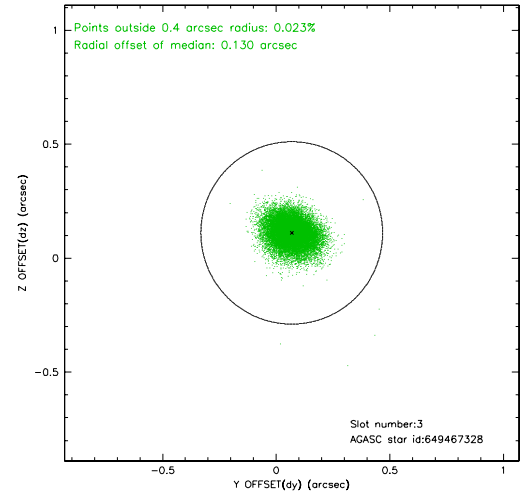
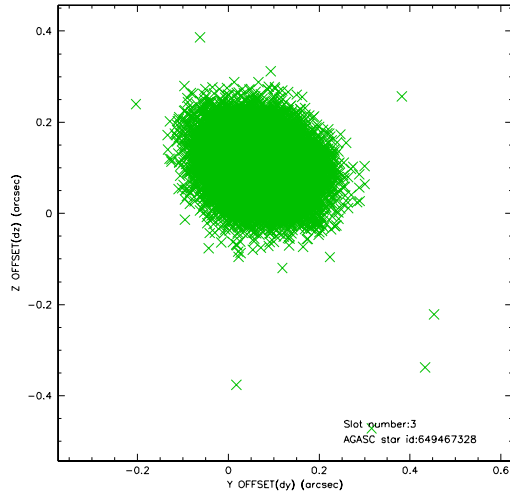


Slot Statistics

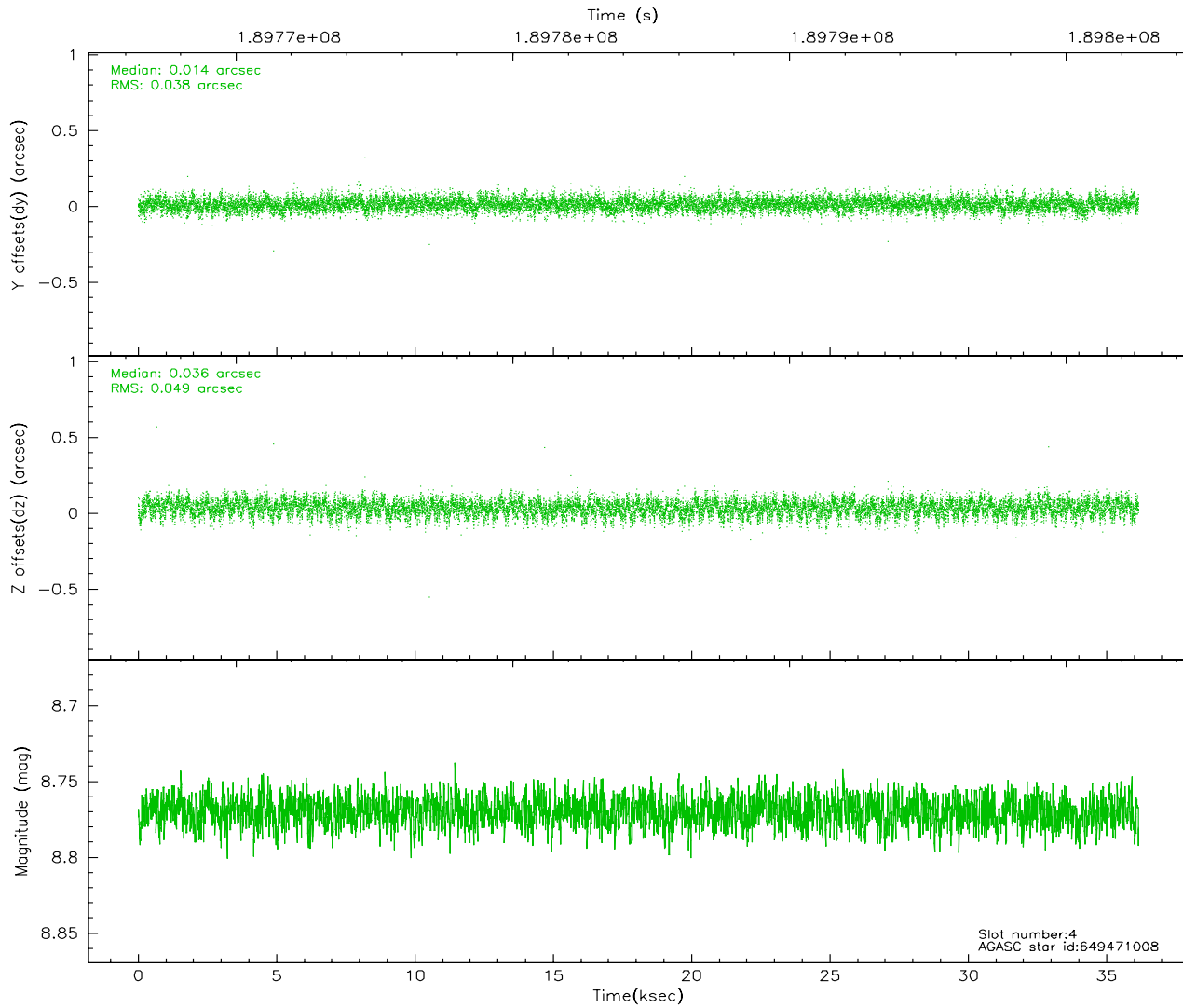
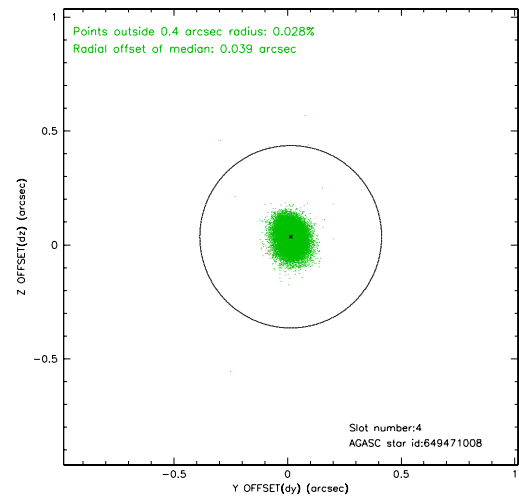
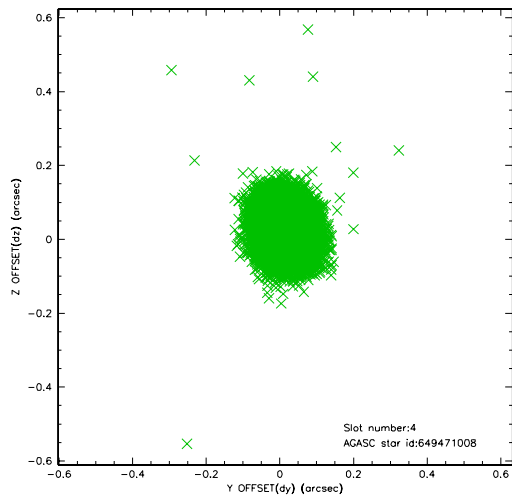
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8821	-0.041	-0.005	0.012	0.032	0.000000	0.000000	-758.62	-1730.69
1	FID	ACIS-S-4	7.20	8821	0.040	0.022	0.007	0.028	0.000000	0.000000	2154.71	177.81
2	FID	ACIS-S-5	7.23	8821	-0.029	-0.008	0.012	0.043	0.000000	0.000000	-1811.42	171.47
3	GUIDE	649467328	9.36	17621	0.068	0.111	0.087	0.140	192.312268	-5.822418	164.72	-510.46
4	GUIDE	649471008	8.77	17639	0.014	0.036	0.065	0.106	191.883055	-5.890695	-661.31	808.91
5	GUIDE	649471216	9.00	17635	0.044	-0.268	0.077	0.126	192.046748	-5.955581	-647.68	177.76
6	GUIDE	649471800	8.61	17637	-0.135	-0.148	0.056	0.090	192.288030	-5.445033	1381.49	98.67
7	GUIDE	649594712	8.43	17632	0.007	0.270	0.075	0.120	192.730305	-6.061024	-43.80	-2223.48

2.4 Star Slots

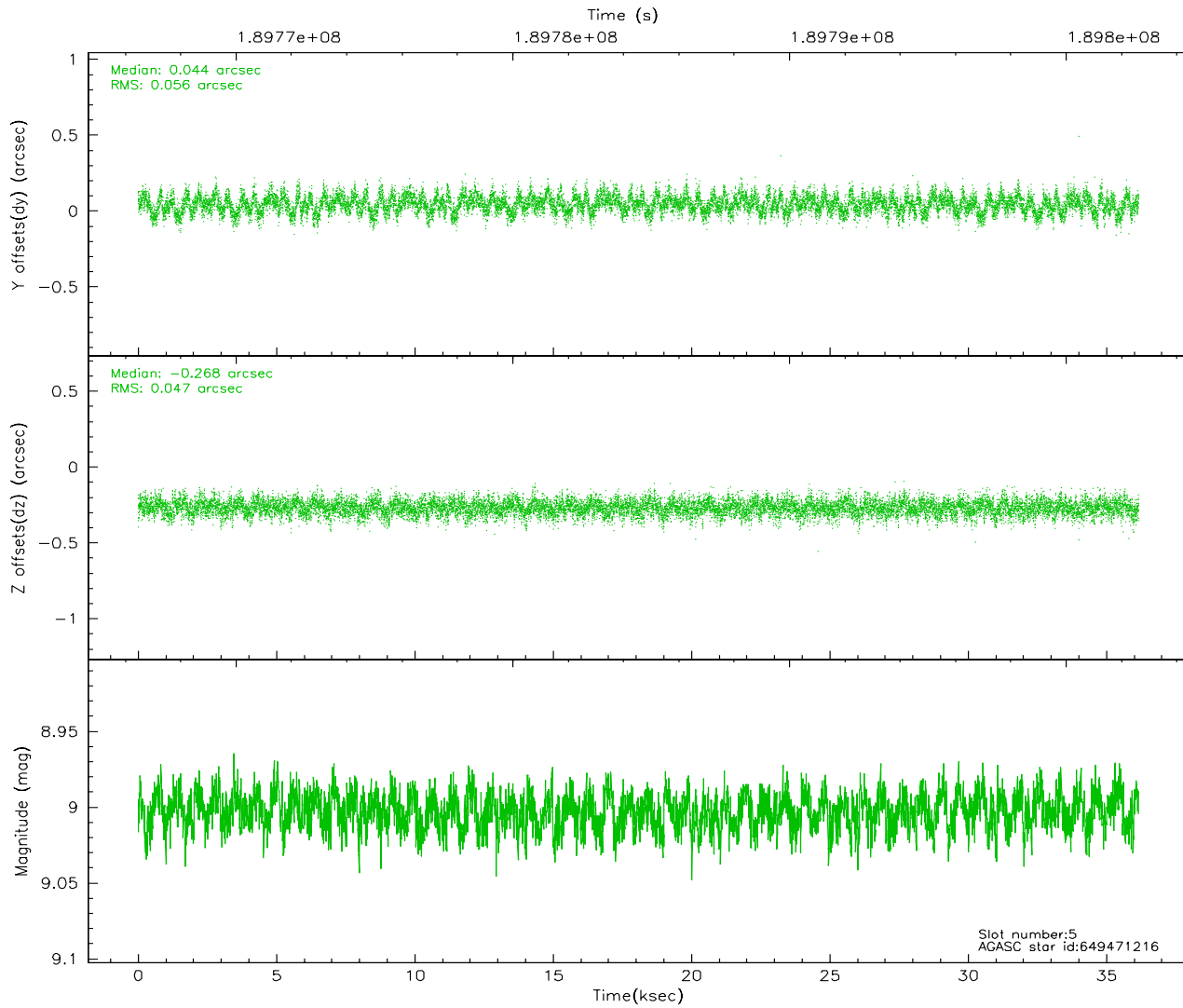
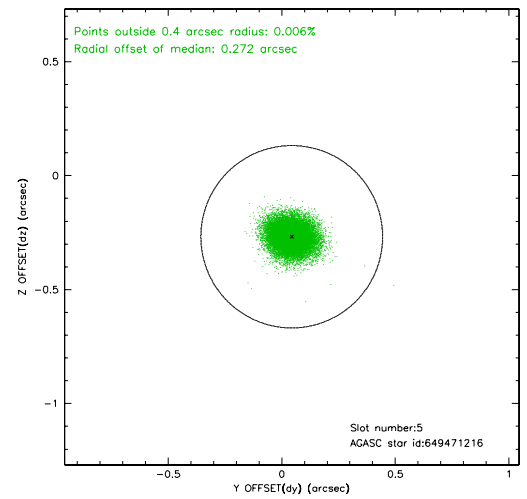
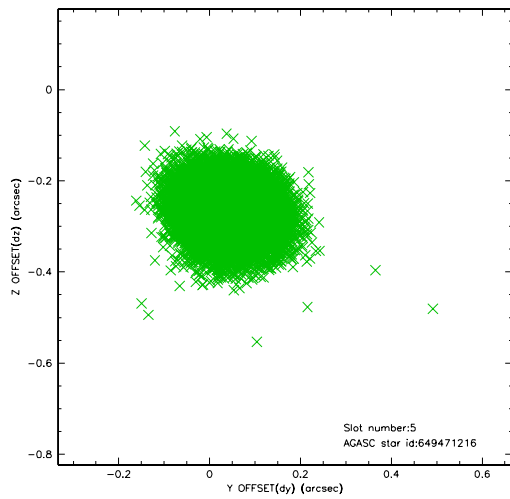
2.4.1 Slot 3



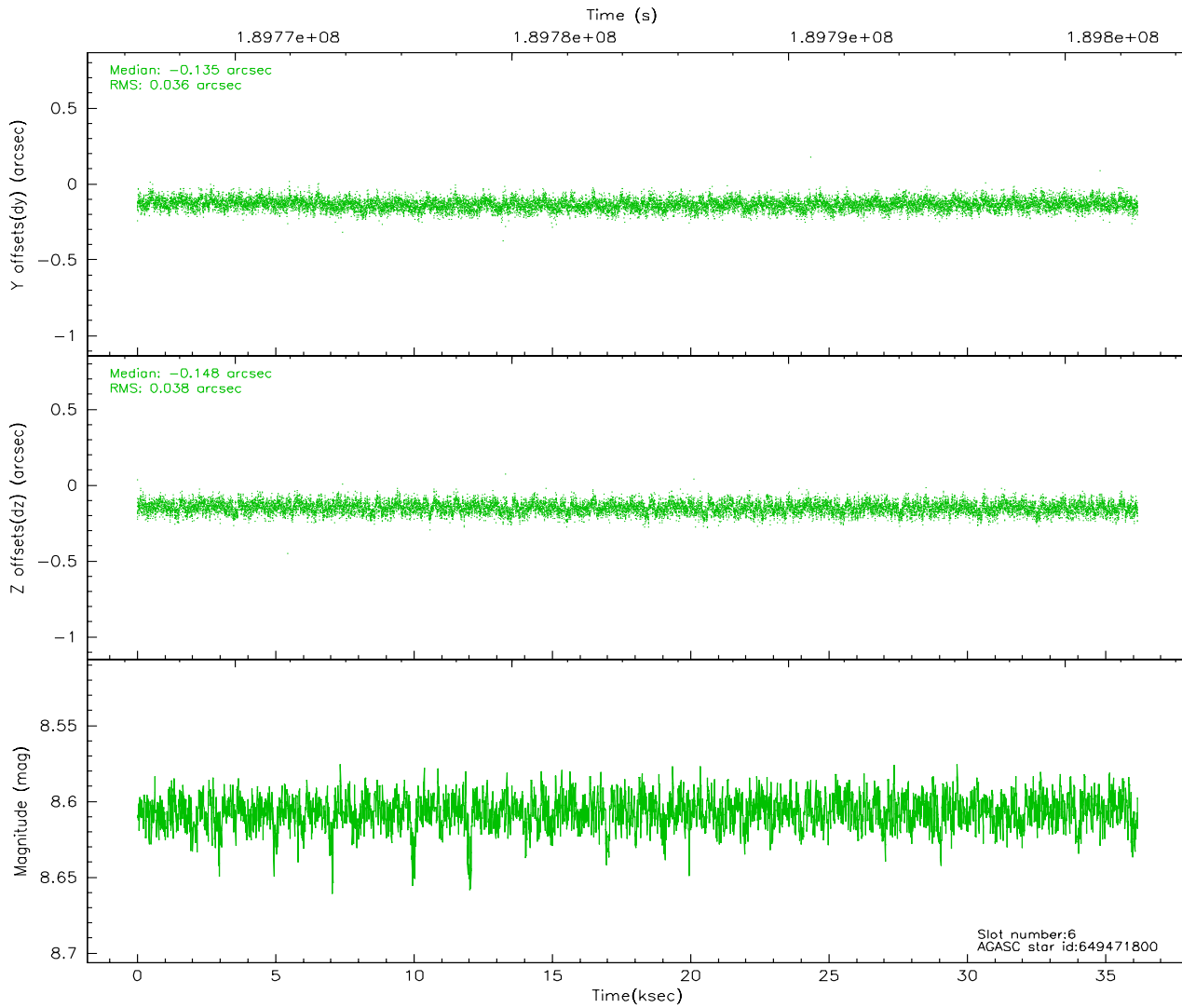
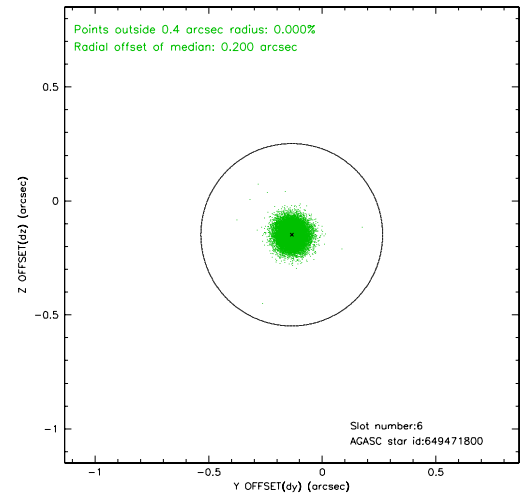
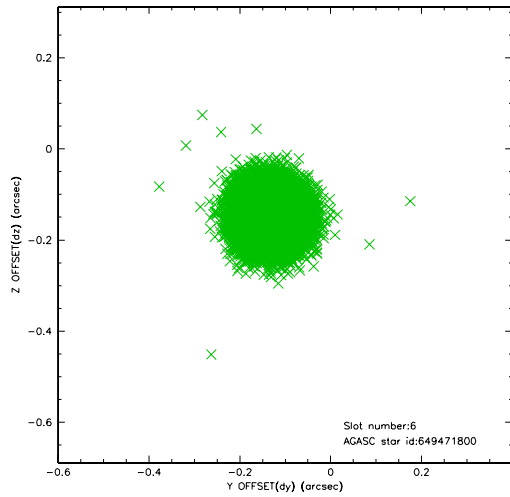
2.4.2 Slot 4



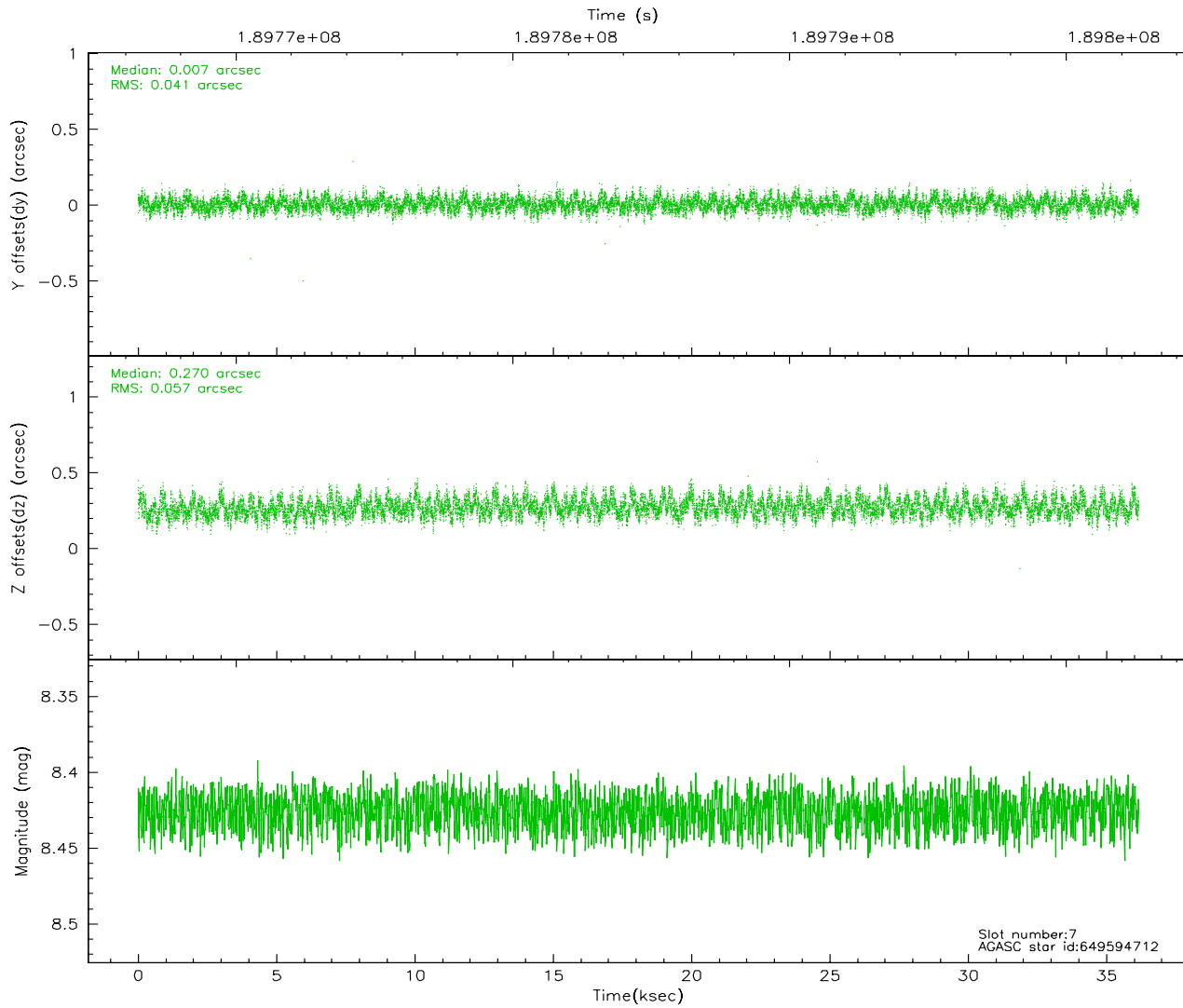
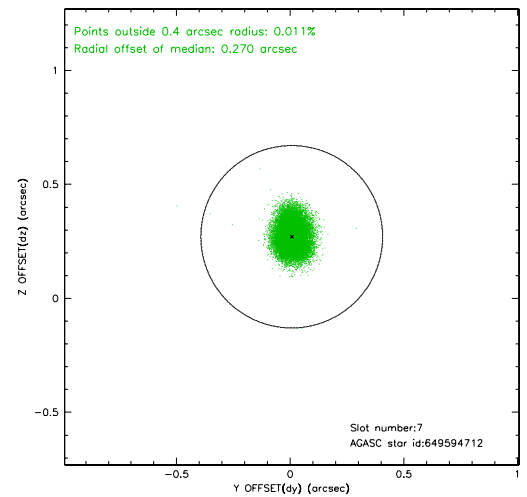
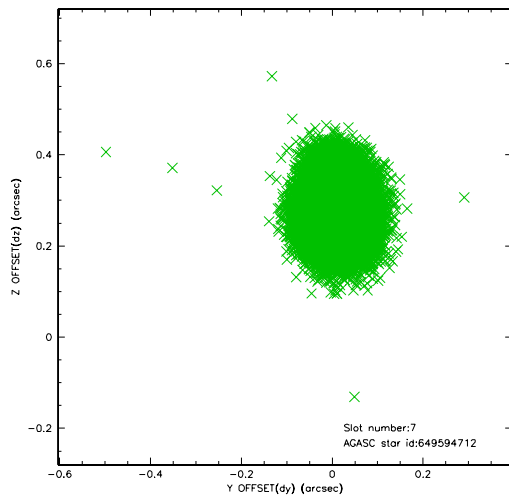
2.4.3 Slot 5



2.4.4 Slot 6

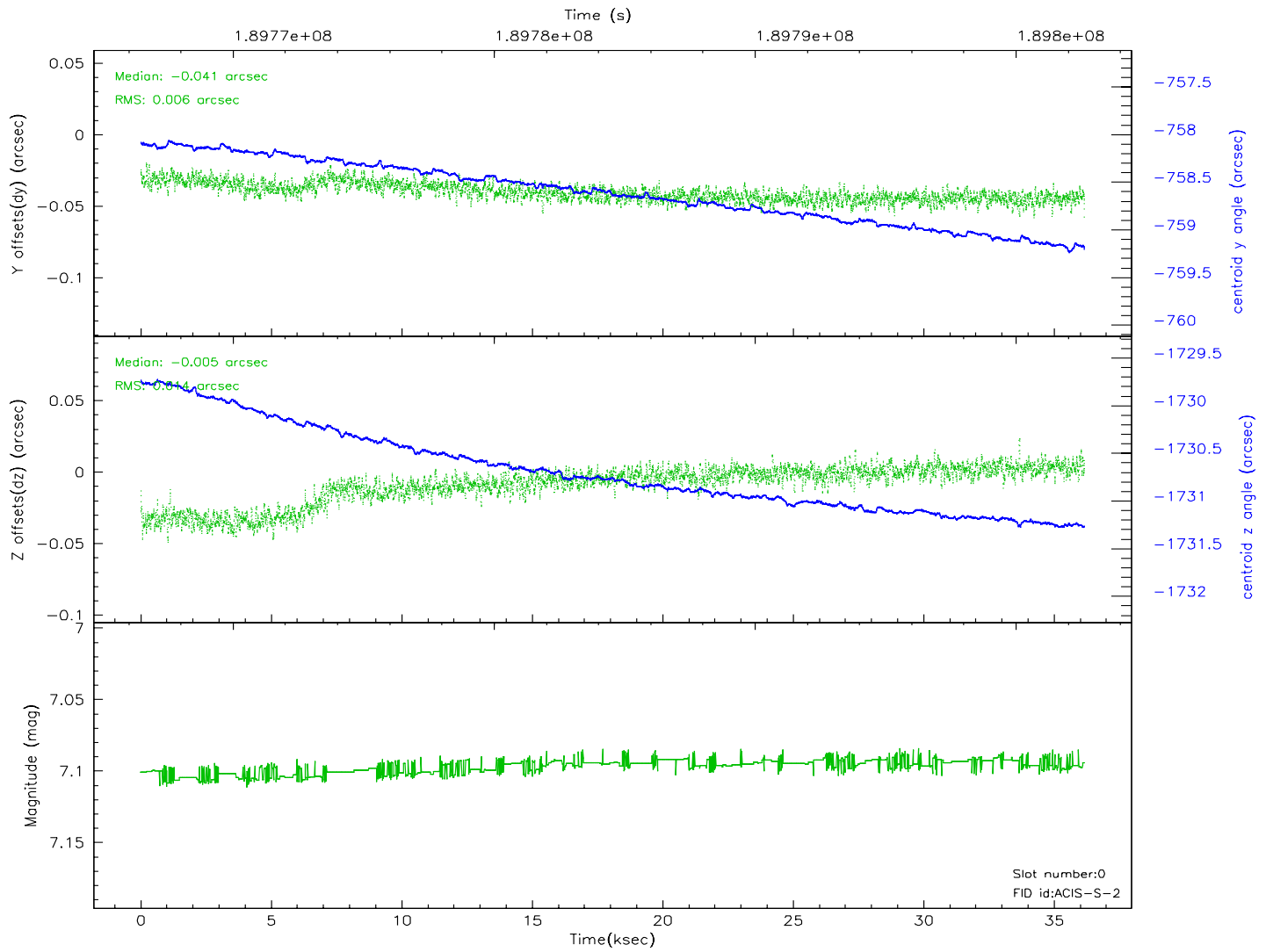
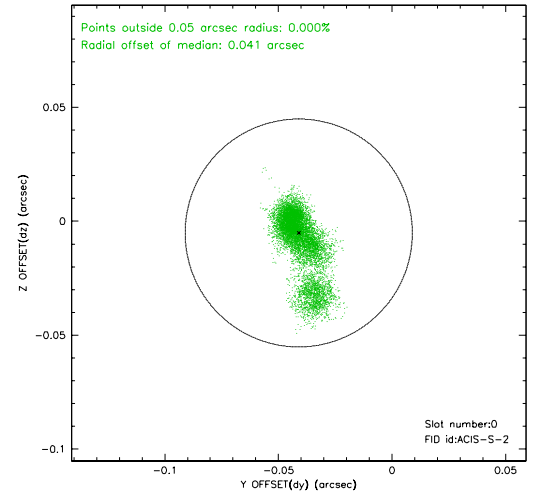
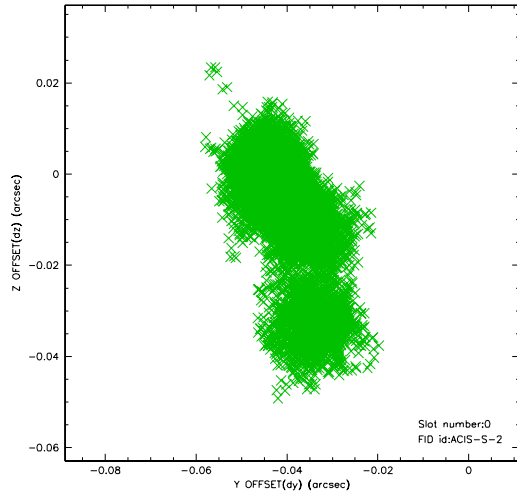


2.4.5 Slot 7

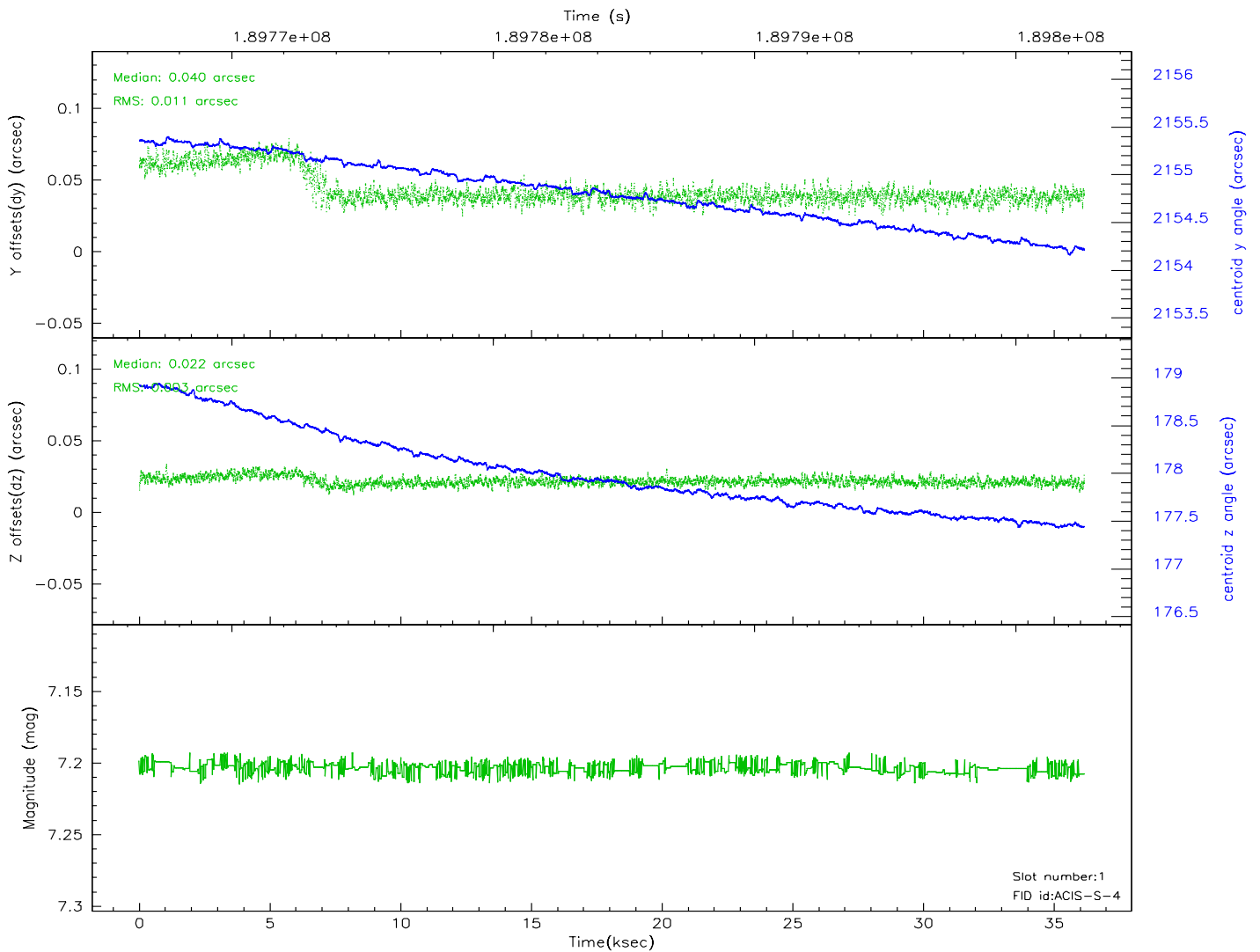
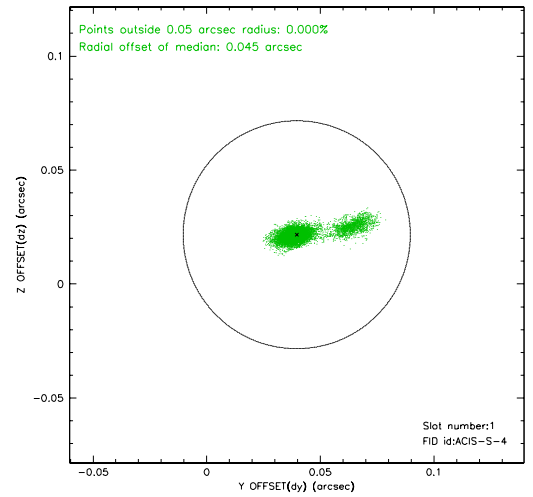
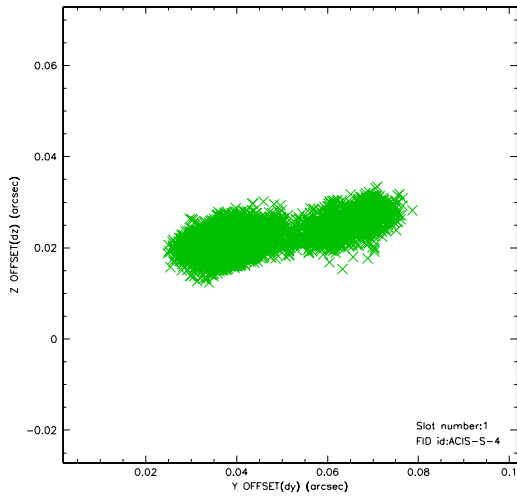


2.5 FID Slots

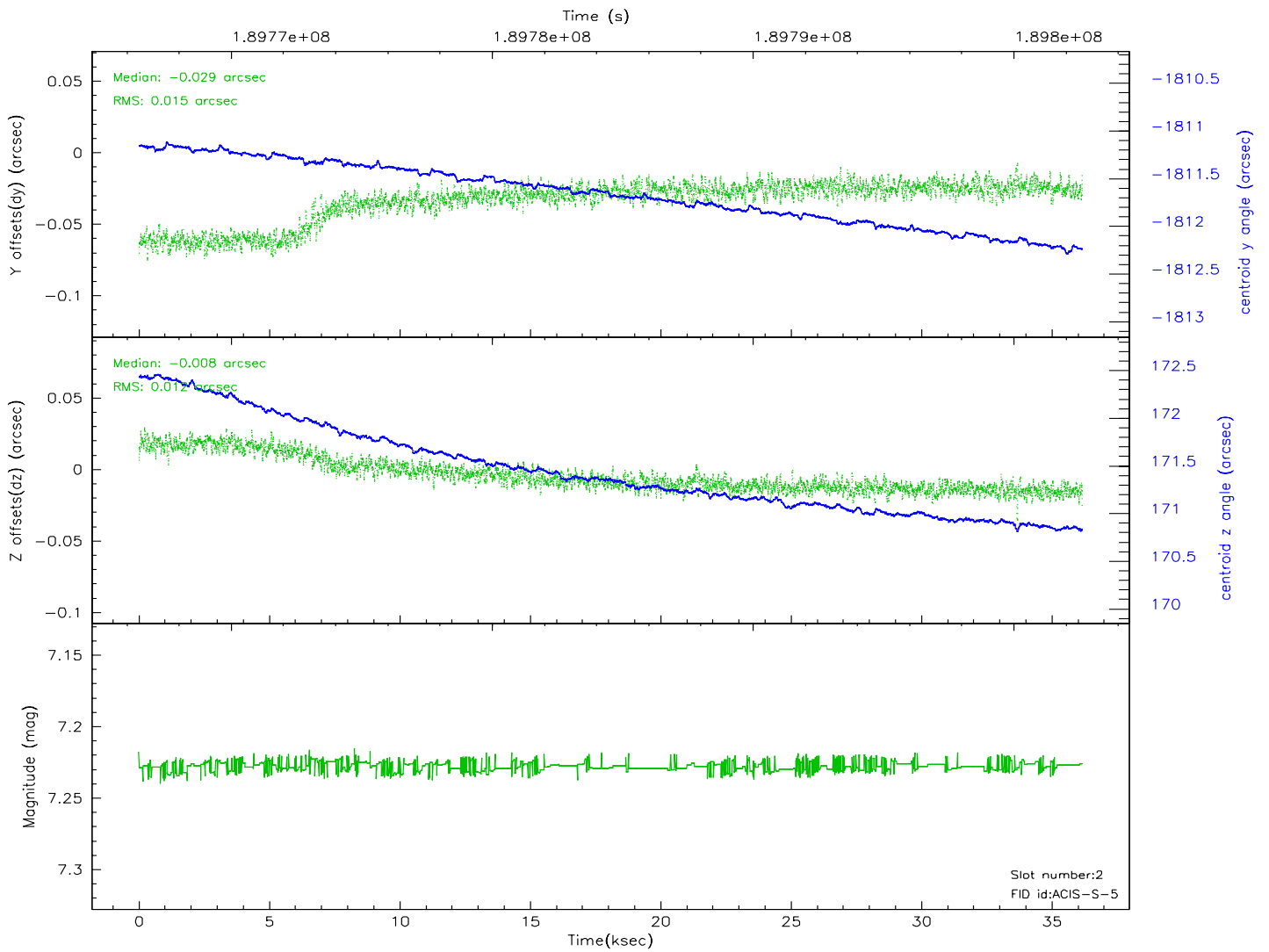
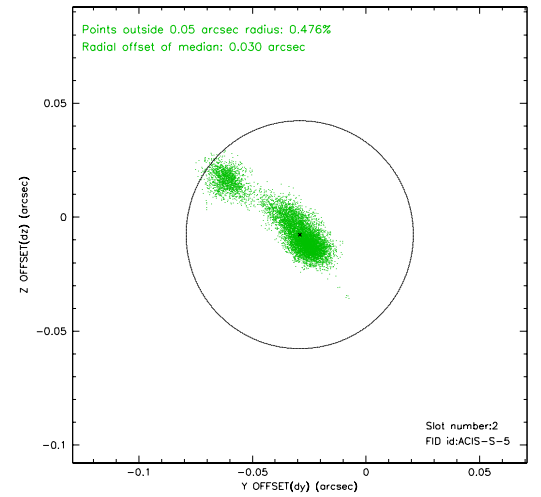
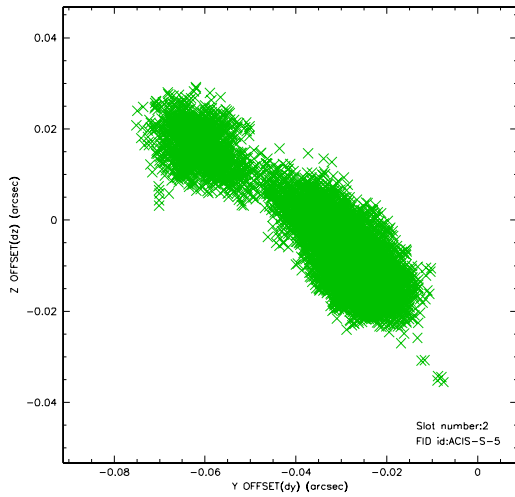
2.5.1 Slot 0



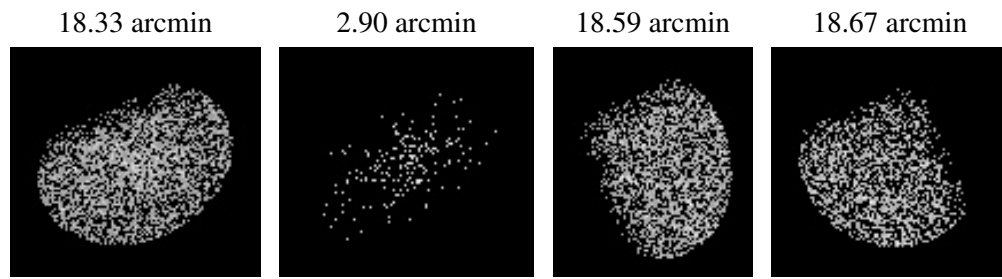
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.155

A.2 Comments

Some of the numerous x-ray point sources fall on the gap between the nodes of the CCD chip and have been dithered over this gap. Dithering over the node boundary, which has lower sensitivity, can give a false indication of variability.