

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2961 - L2 Version 001
Chandra X-Ray Center

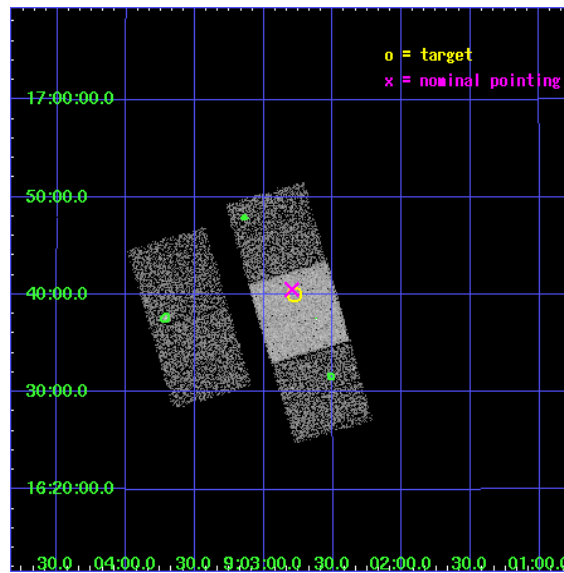
L2 Processing Date : Jan 12 2007

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1 Front

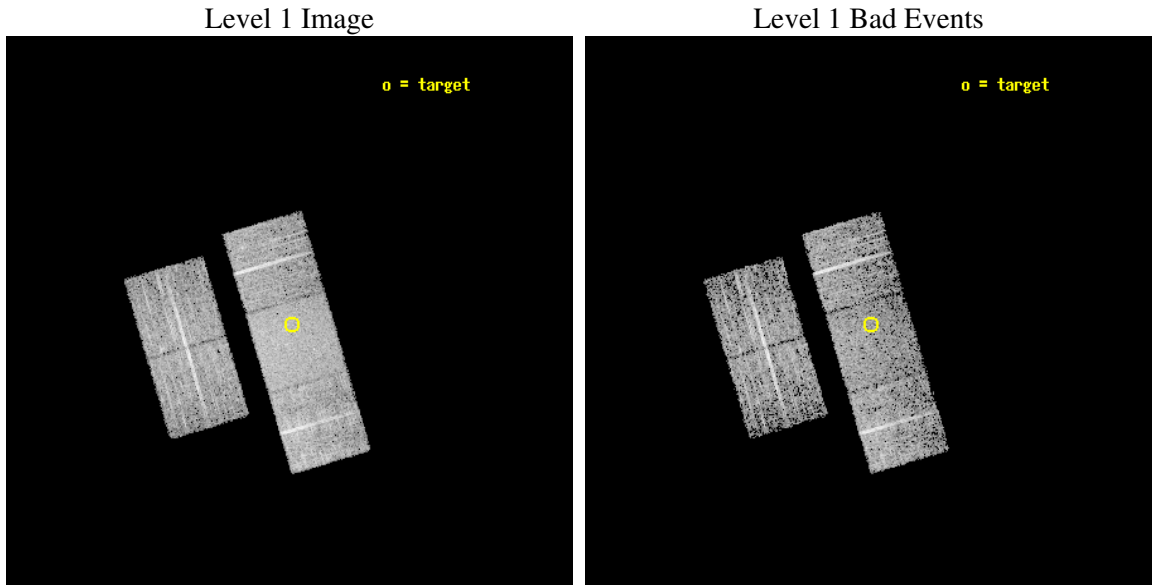
seq_num	700400
obs_id	2961
title	A SNAPSHOT SURVEY OF THE OPTICALLY SELECTED TYPE-2 QUASARS
observer	PROF. S. DJORGOVSKI
object	PSS 0902+1640
dtcycle	0
cycle	P
ra_targ	135.694583
dec_targ	16.666944
ra_nom	135.69915225188
dec_nom	16.675733888076
roll_nom	73.572316541611
revision	2
ontime	5090.1999902129
livetime	5023.6927799901
ontime2	5087.0590299666
ontime3	5090.1999902129
ontime6	5090.1999902129
ontime7	5090.1999902129
ontime8	5090.1999902129
l2events	33013



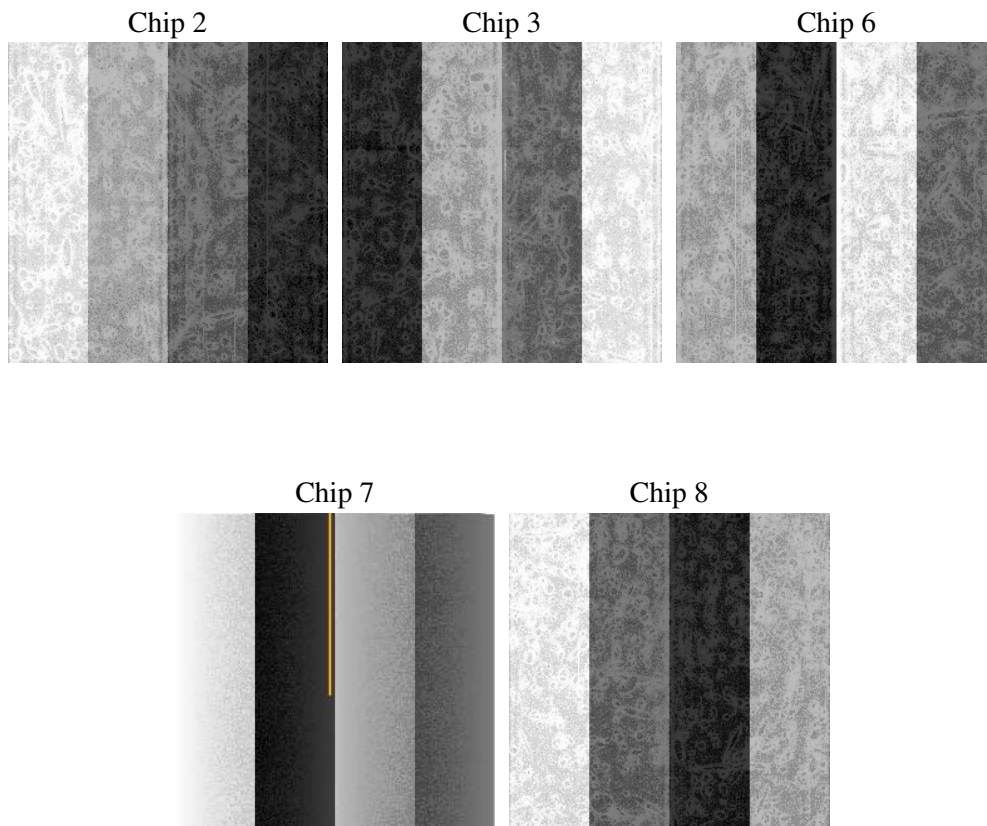
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-12T06:58:48
revision	2

sched_exp_time	5000.000000
ontime	5090.1999902129
ontime2	5087.0590299666
ontime3	5090.1999902129
ontime6	5090.1999902129
ontime7	5090.1999902129
ontime8	5090.1999902129
l1events	185133

2.1.4 Events

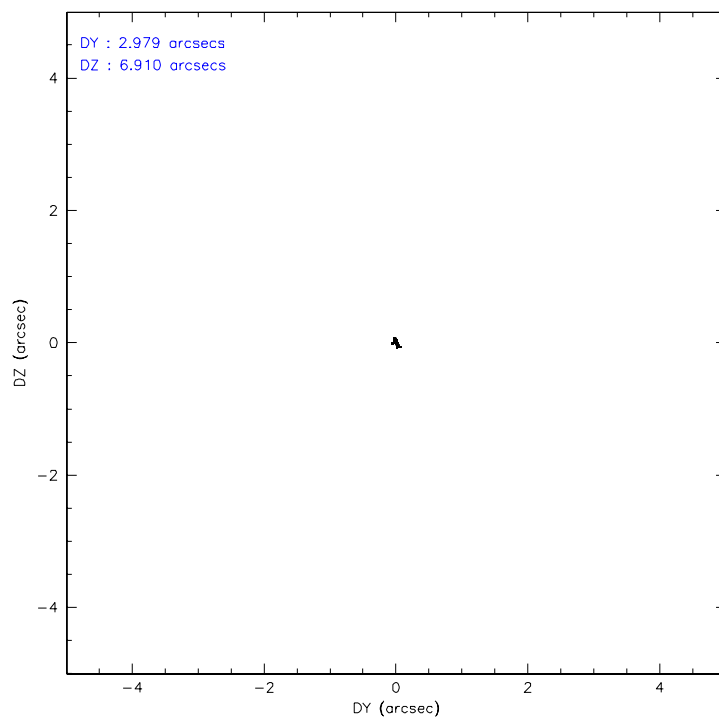
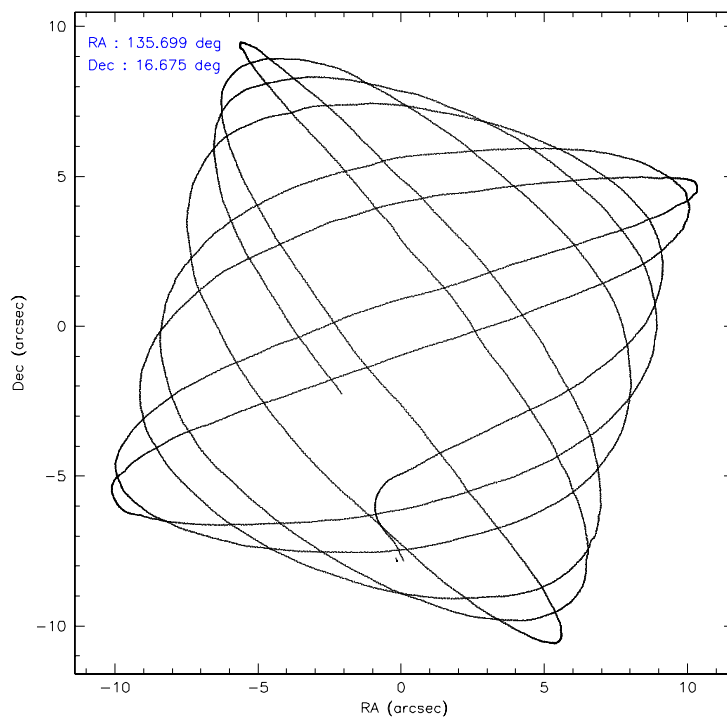
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	32506	32436	34276	43891	42024
rejected events	28466	28404	30026	25167	32899
rejected %	87%	87%	87%	57%	78%

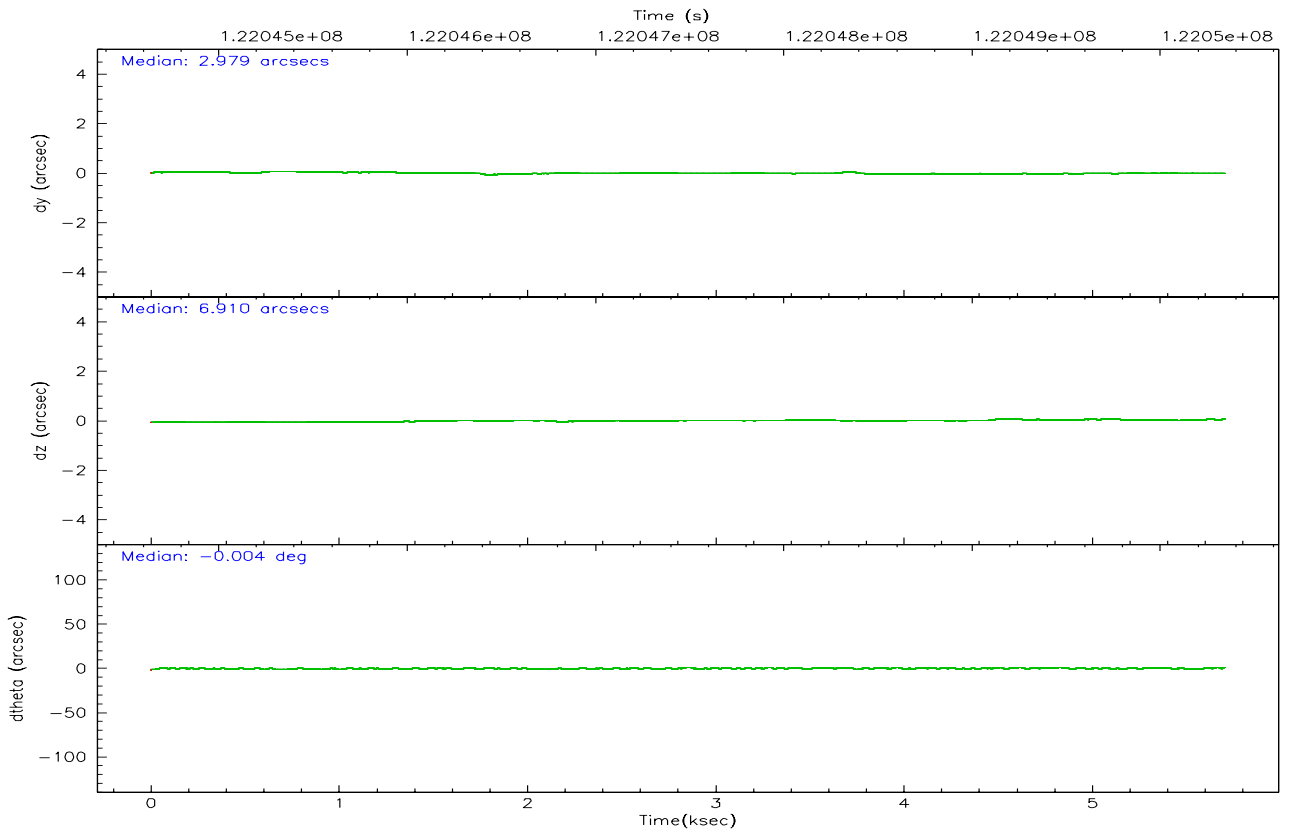
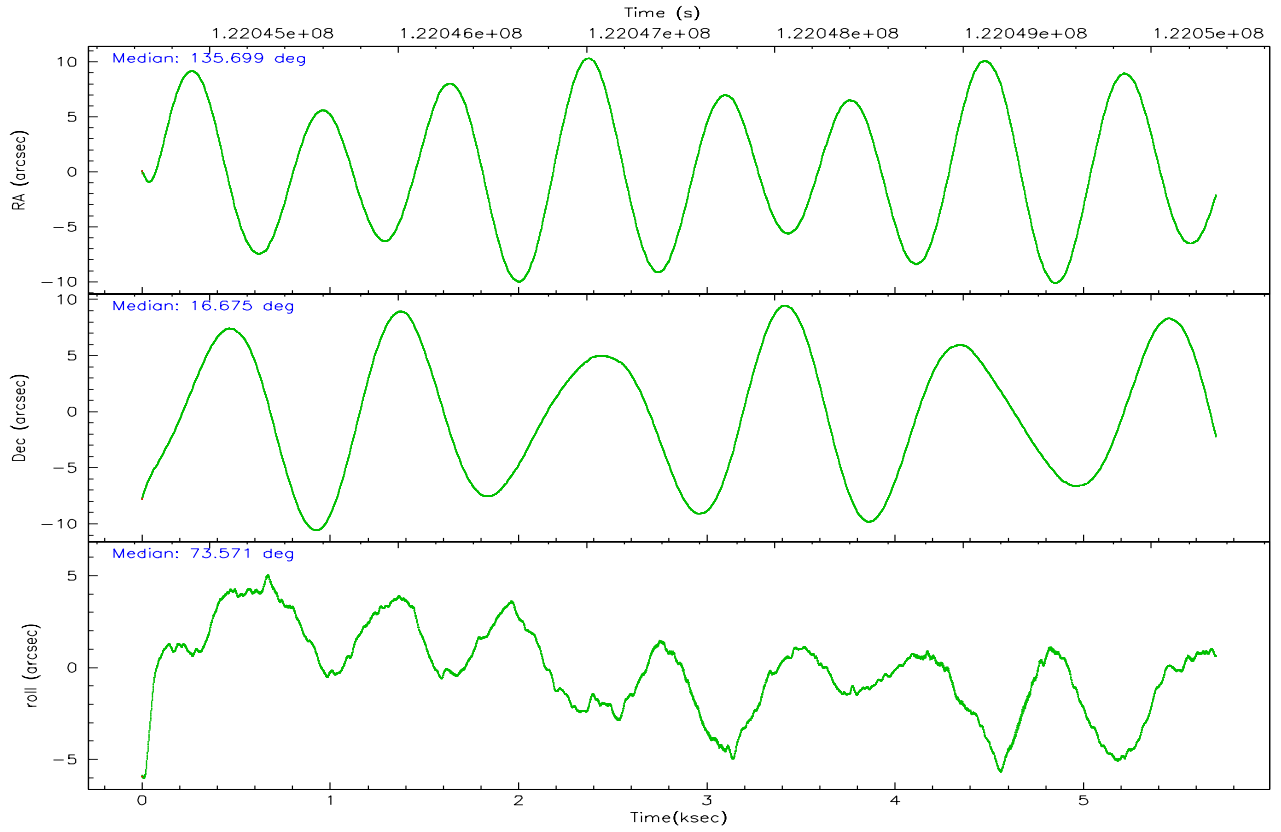
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1816	1779	1798	1750	2884
	5%	5%	5%	3%	6%
grade 1 events	17	17	16	34	23
	0%	0%	0%	0%	0%
grade 2 events	843	830	826	3725	2040
	2%	2%	2%	8%	4%
grade 3 events	354	376	415	1691	990
	1%	1%	1%	3%	2%
grade 4 events	334	342	383	1710	926
	1%	1%	1%	3%	2%
grade 5 events	1043	1207	1383	4079	1749
	3%	3%	4%	9%	4%
grade 6 events	694	709	830	9862	2286
	2%	2%	2%	22%	5%
grade 7 events	27405	27176	28625	21040	31126
	84%	83%	83%	47%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	135.706133	135.6991522518781	Subarray requested	NONE	NONE
Pointing Dec	16.649216	16.67573388807568	Alternating exposures requested	N	N
Pointing Roll	73.413708	73.57231654161097	Primary exposure time	0.000000	3.1
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	122045346.184000	122044126.24423			
Observation start date	2001-11-13T13:28:02	2001-11-13T13:08:46			
Observation end time	122050346.184000	122051082.91951			
Observation end date	2001-11-13T14:51:22	2001-11-13T15:04:42			
Read mode	TIMED	TIMED			

2.3 Aspect



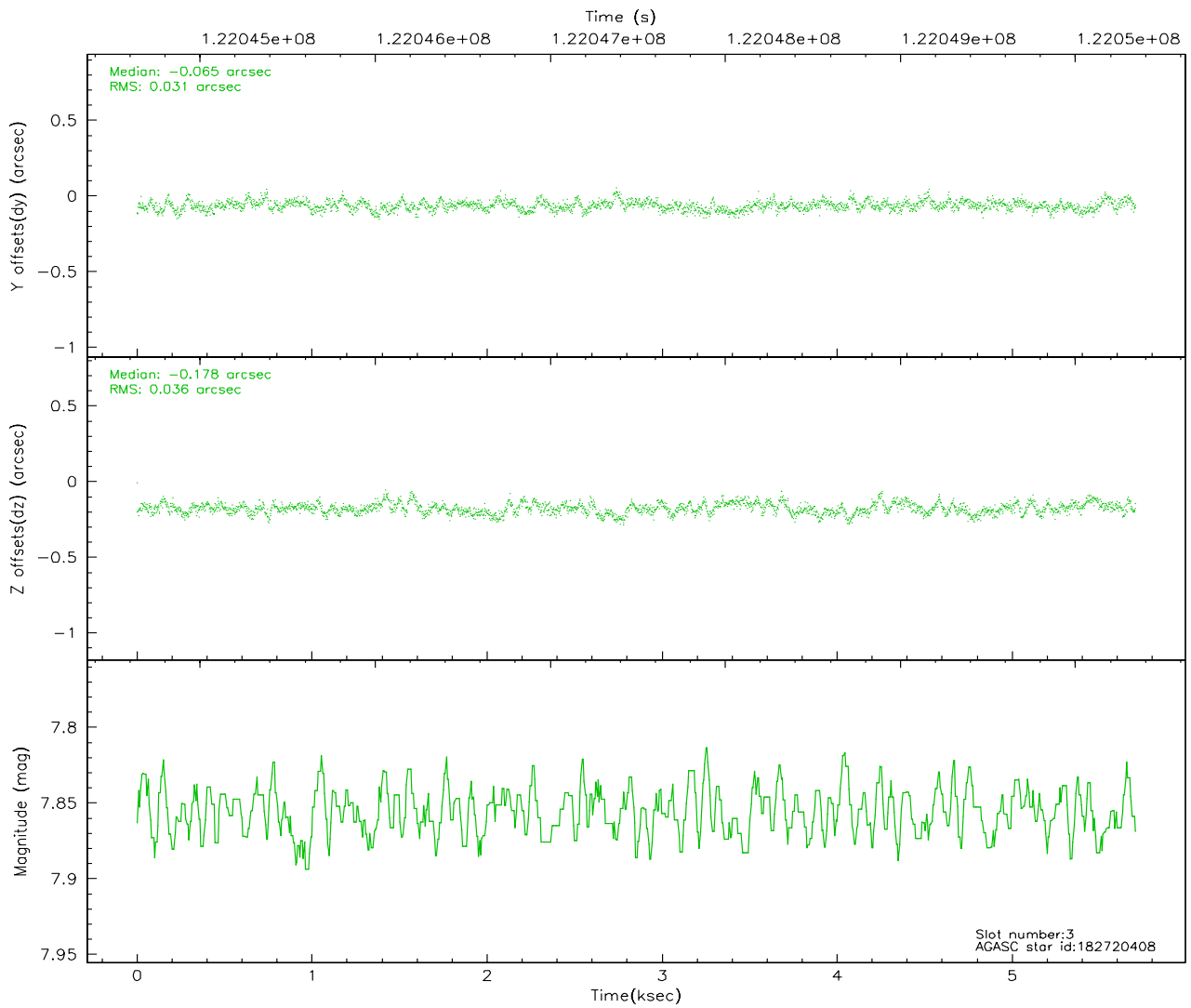
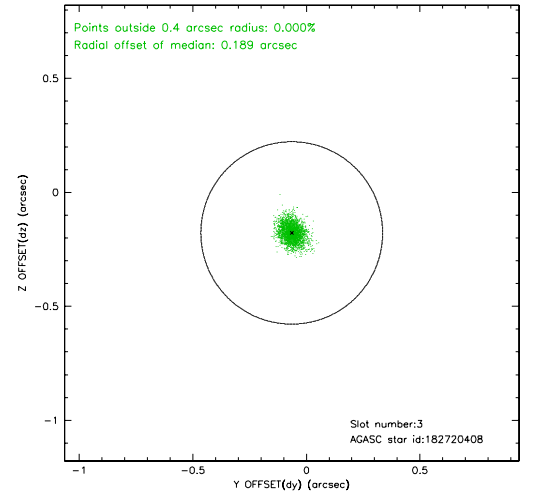
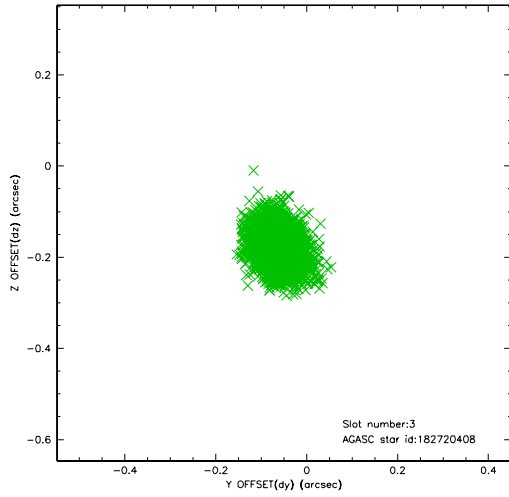


Slot Statistics

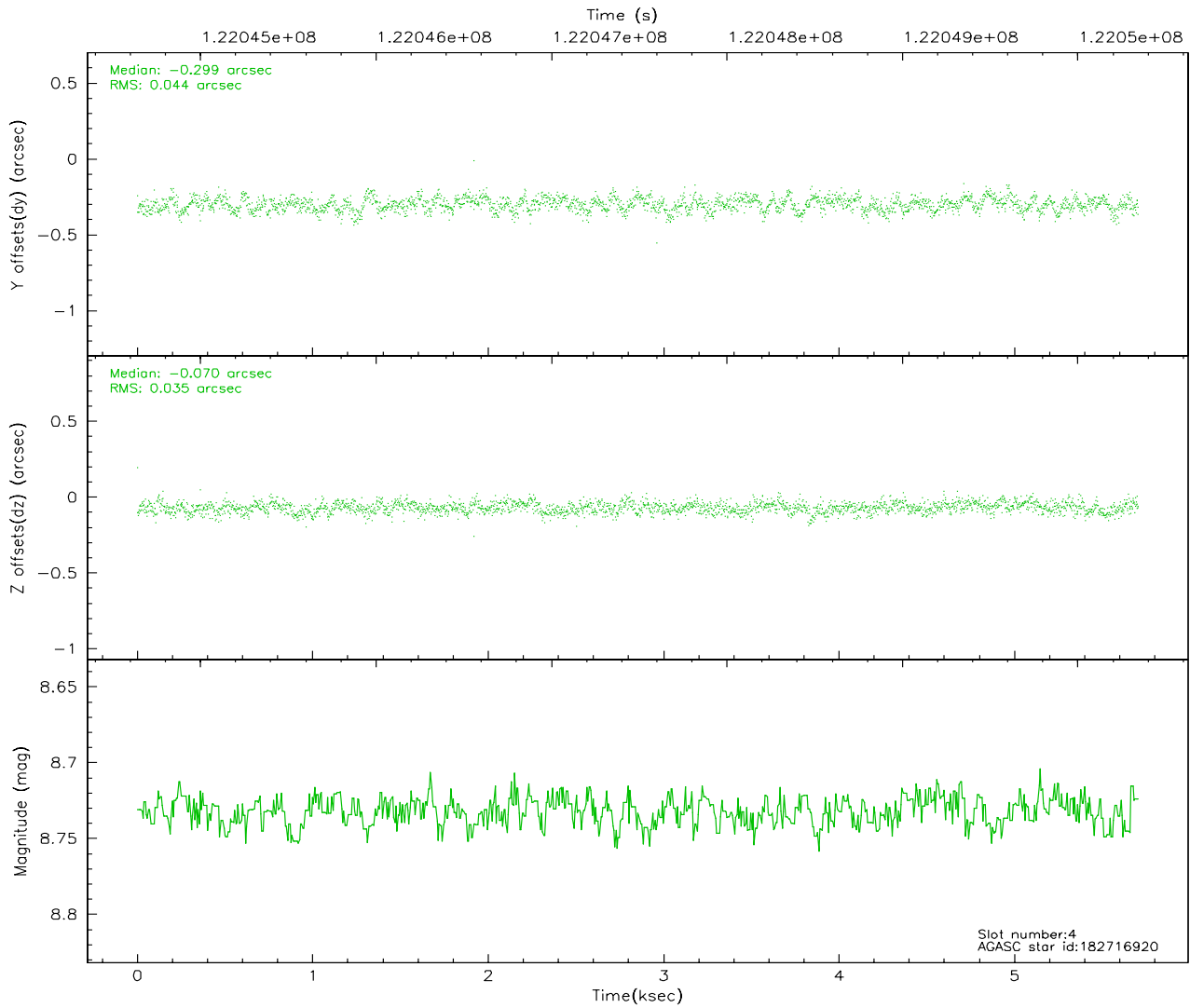
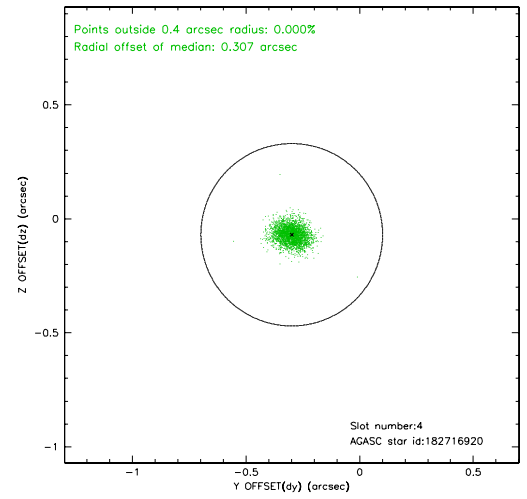
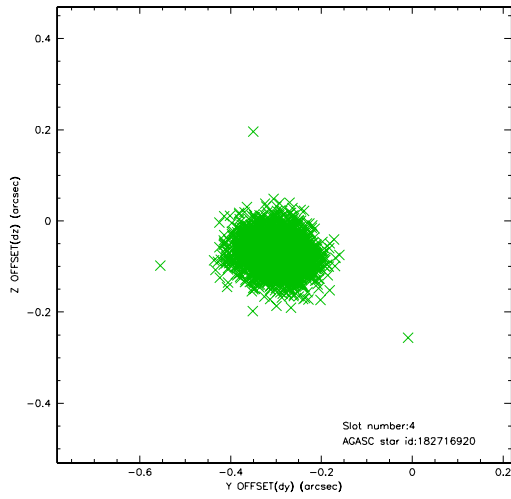
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1392	-0.004	0.035	0.007	0.011	0.000000	0.000000	-755.61	-1728.04
1	FID	ACIS-S-4	7.20	1391	-0.077	-0.007	0.005	0.009	0.000000	0.000000	2157.10	179.34
2	FID	ACIS-S-5	7.24	1391	0.050	-0.019	0.006	0.011	0.000000	0.000000	-1807.07	174.16
3	GUIDE	182720408	7.86	2784	-0.065	-0.178	0.051	0.083	135.431899	17.081063	1222.26	1347.58
4	GUIDE	182716920	8.73	2783	-0.299	-0.070	0.060	0.096	135.493985	17.326670	2130.92	1394.85
5	GUIDE	183646936	9.39	2784	0.140	0.248	0.085	0.135	136.113290	15.909372	-2146.80	-2111.02
6	GUIDE	182724688	9.57	2783	0.287	-0.154	0.107	0.173	135.201634	16.135333	-2268.37	1142.98
7	GUIDE	183640504	9.75	2779	-0.068	0.154	0.096	0.154	136.133104	16.834453	1060.94	-1219.35

2.4 Star Slots

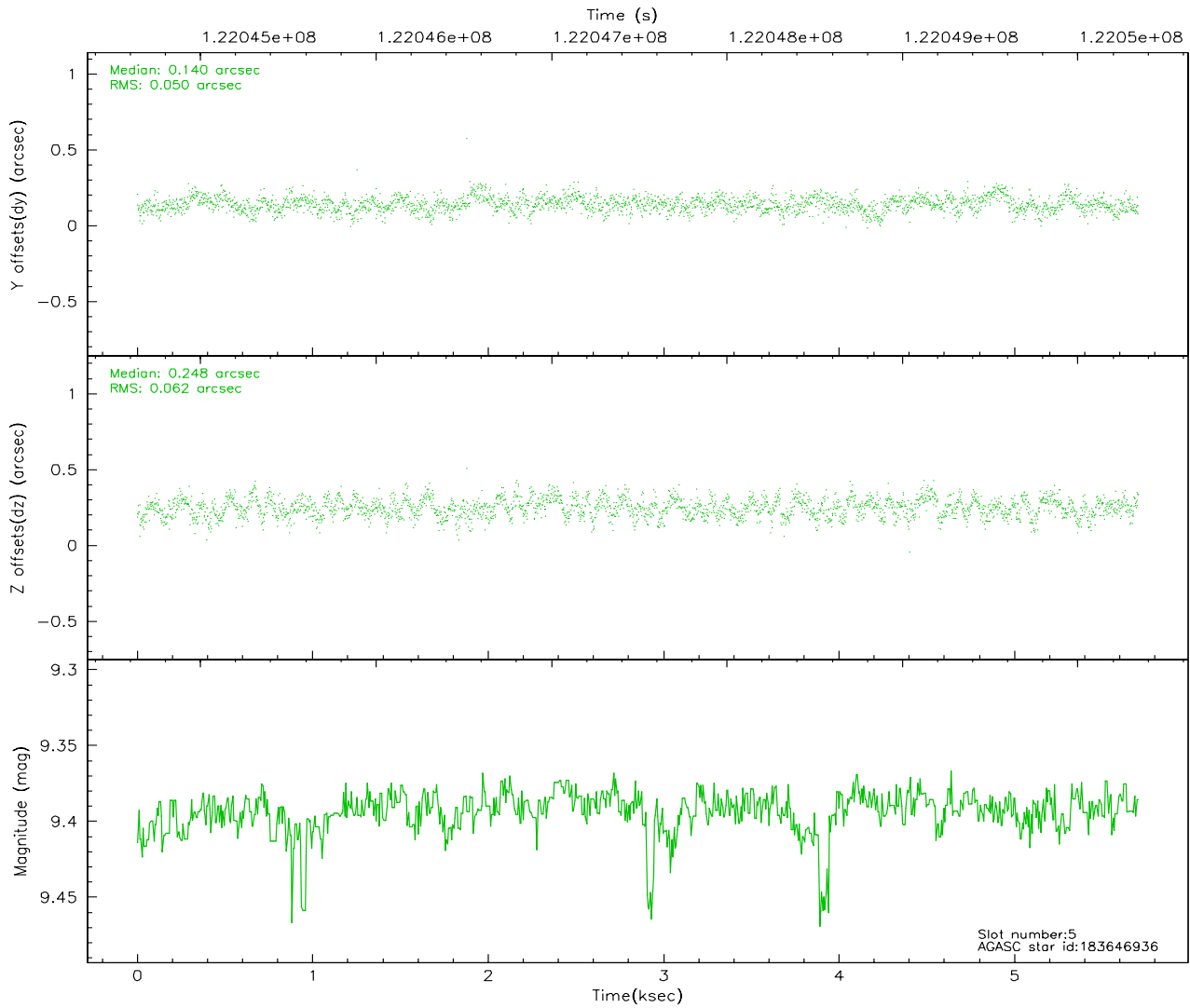
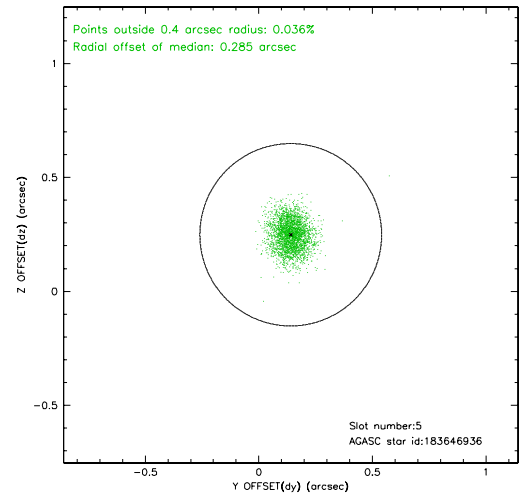
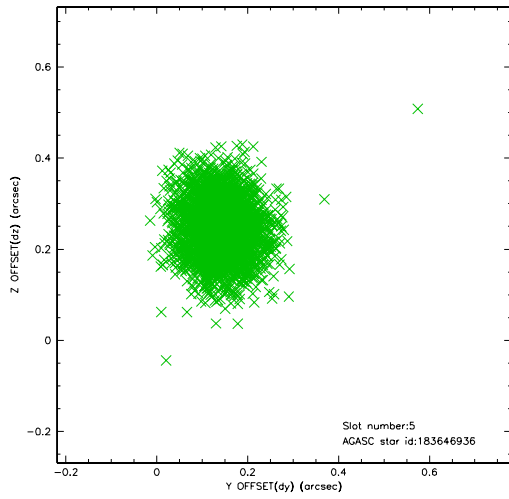
2.4.1 Slot 3



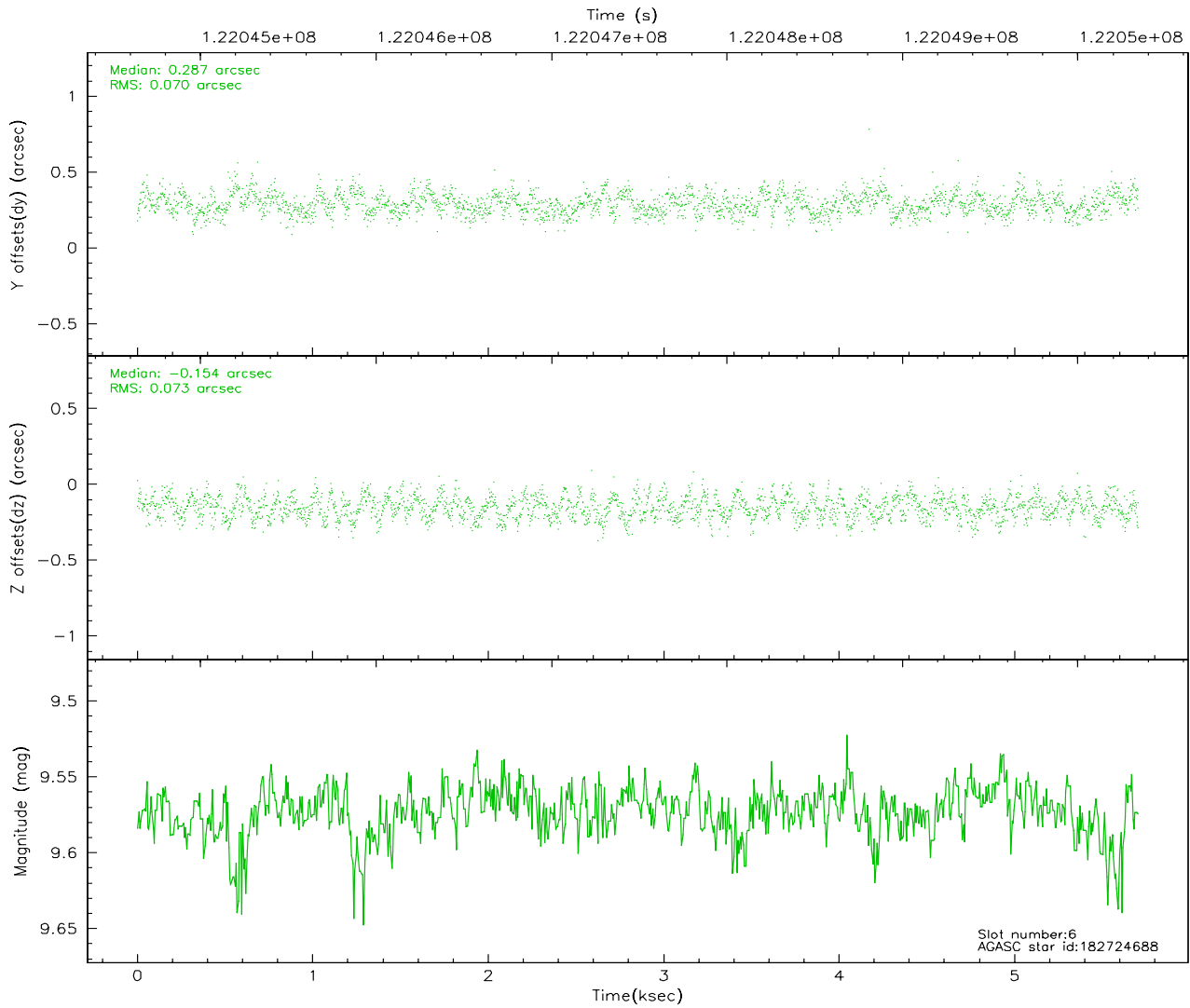
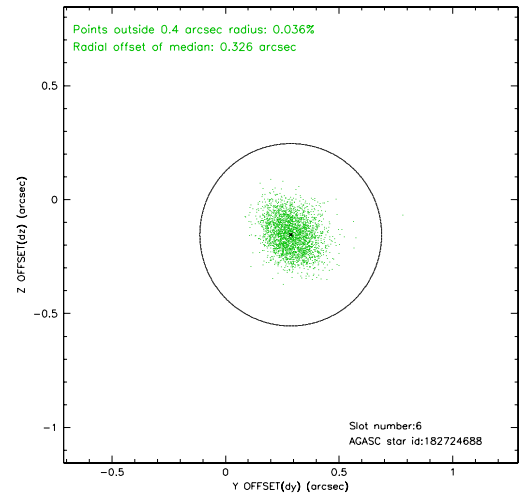
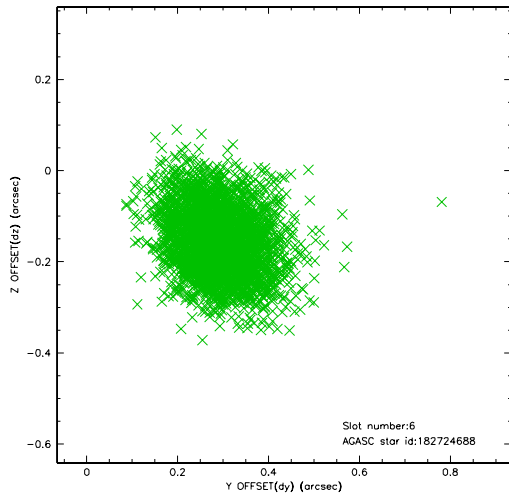
2.4.2 Slot 4



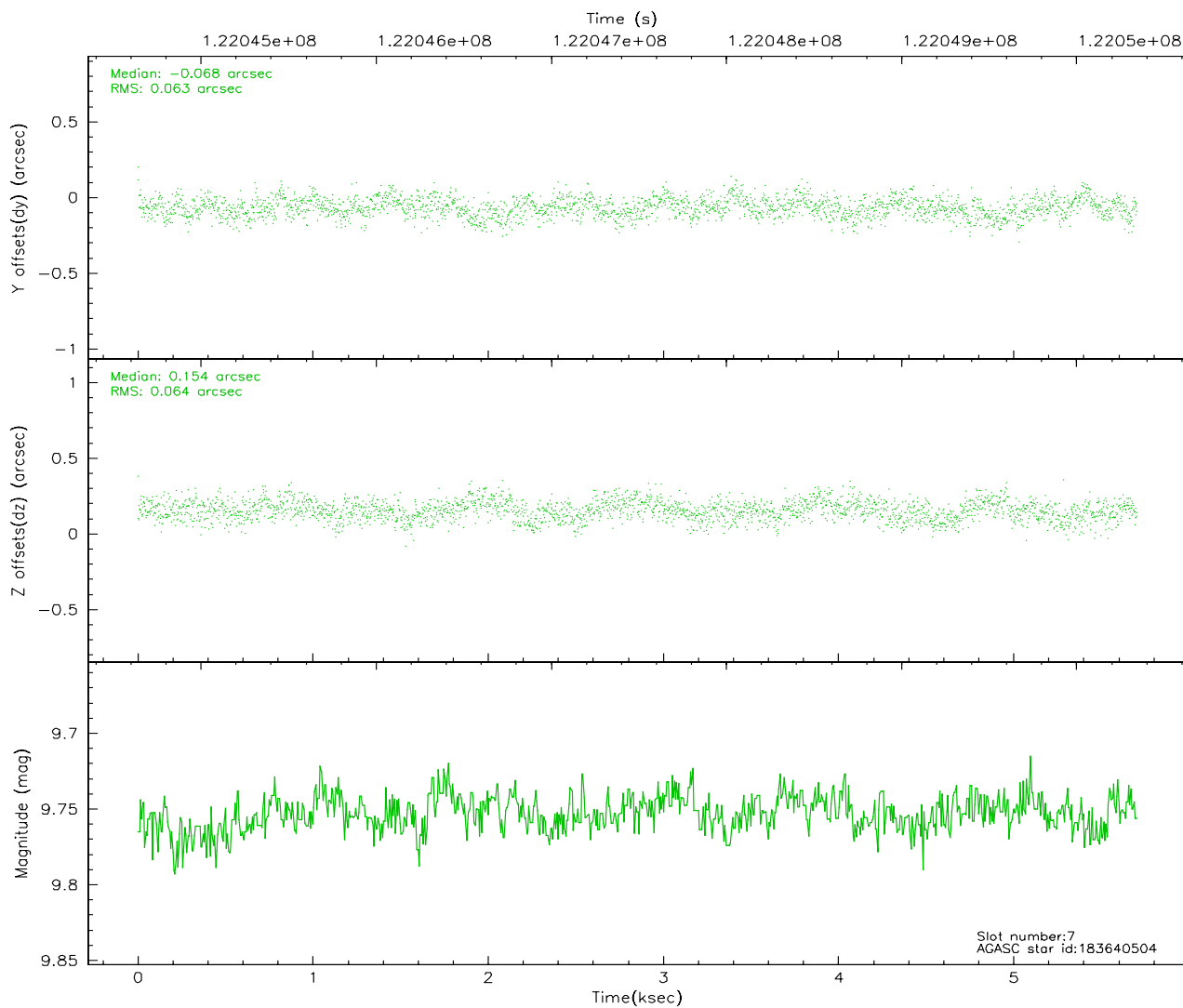
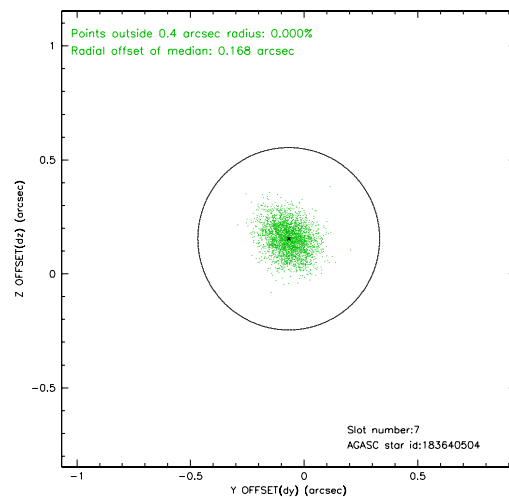
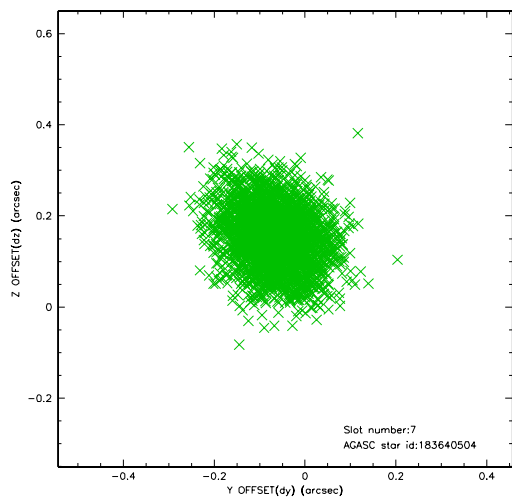
2.4.3 Slot 5



2.4.4 Slot 6

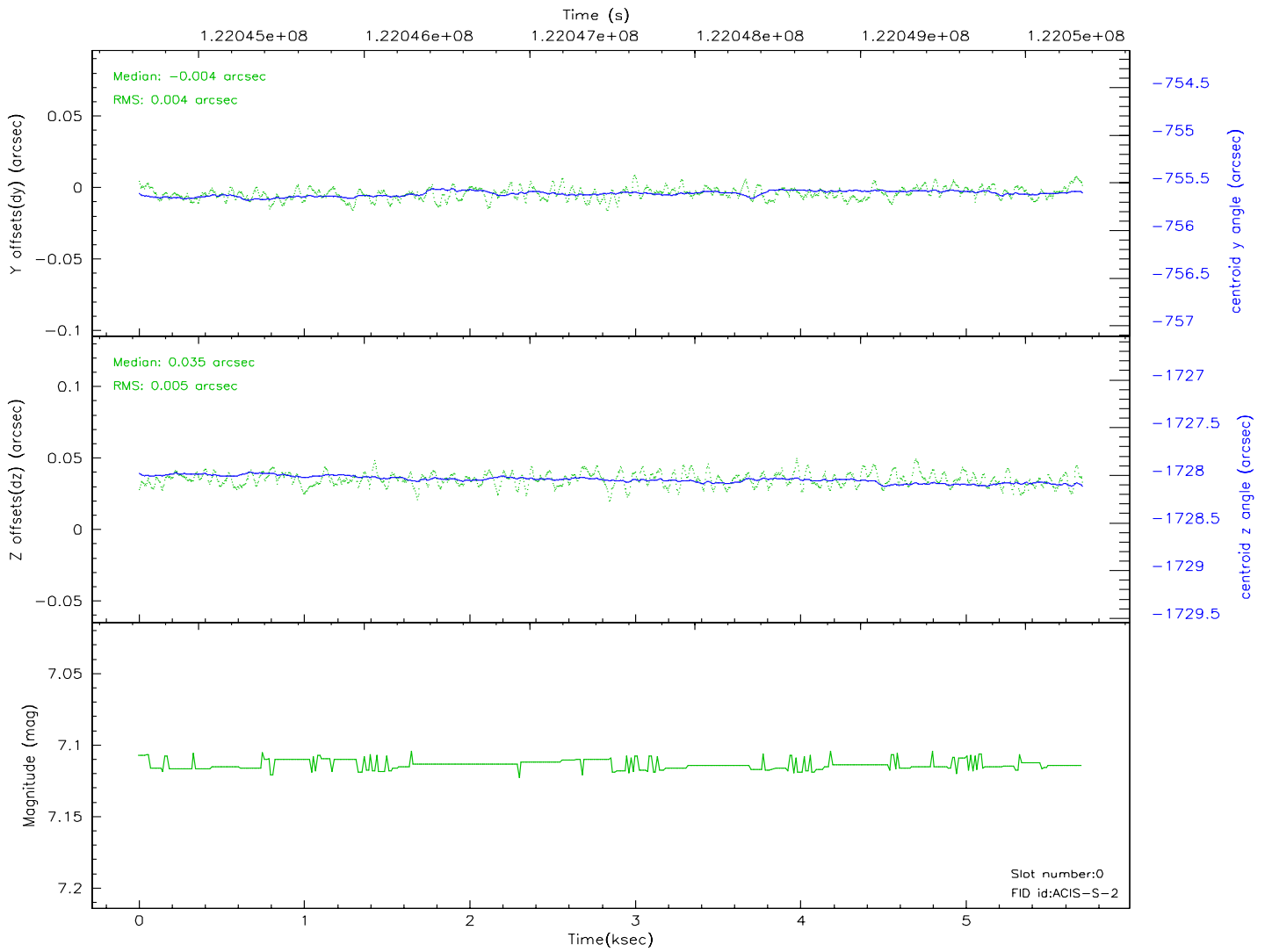
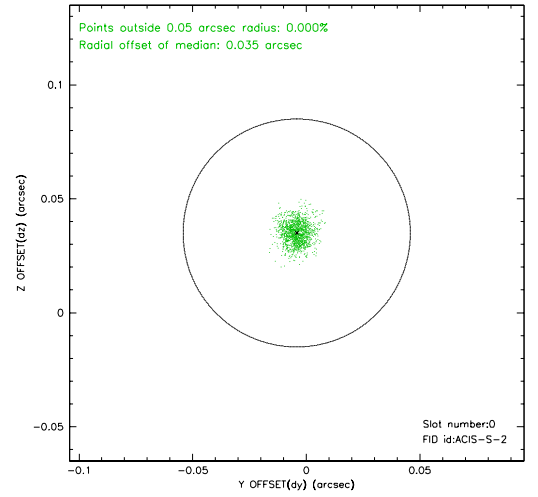
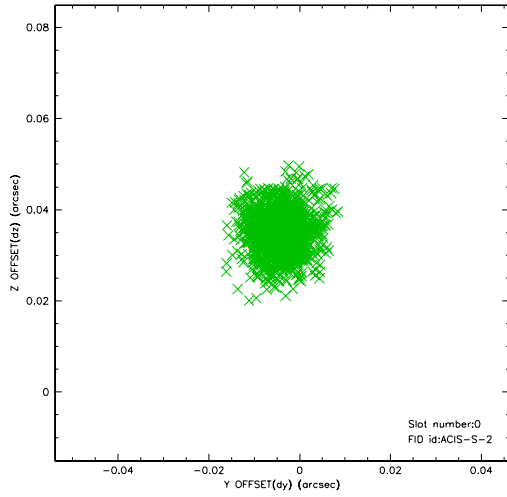


2.4.5 Slot 7

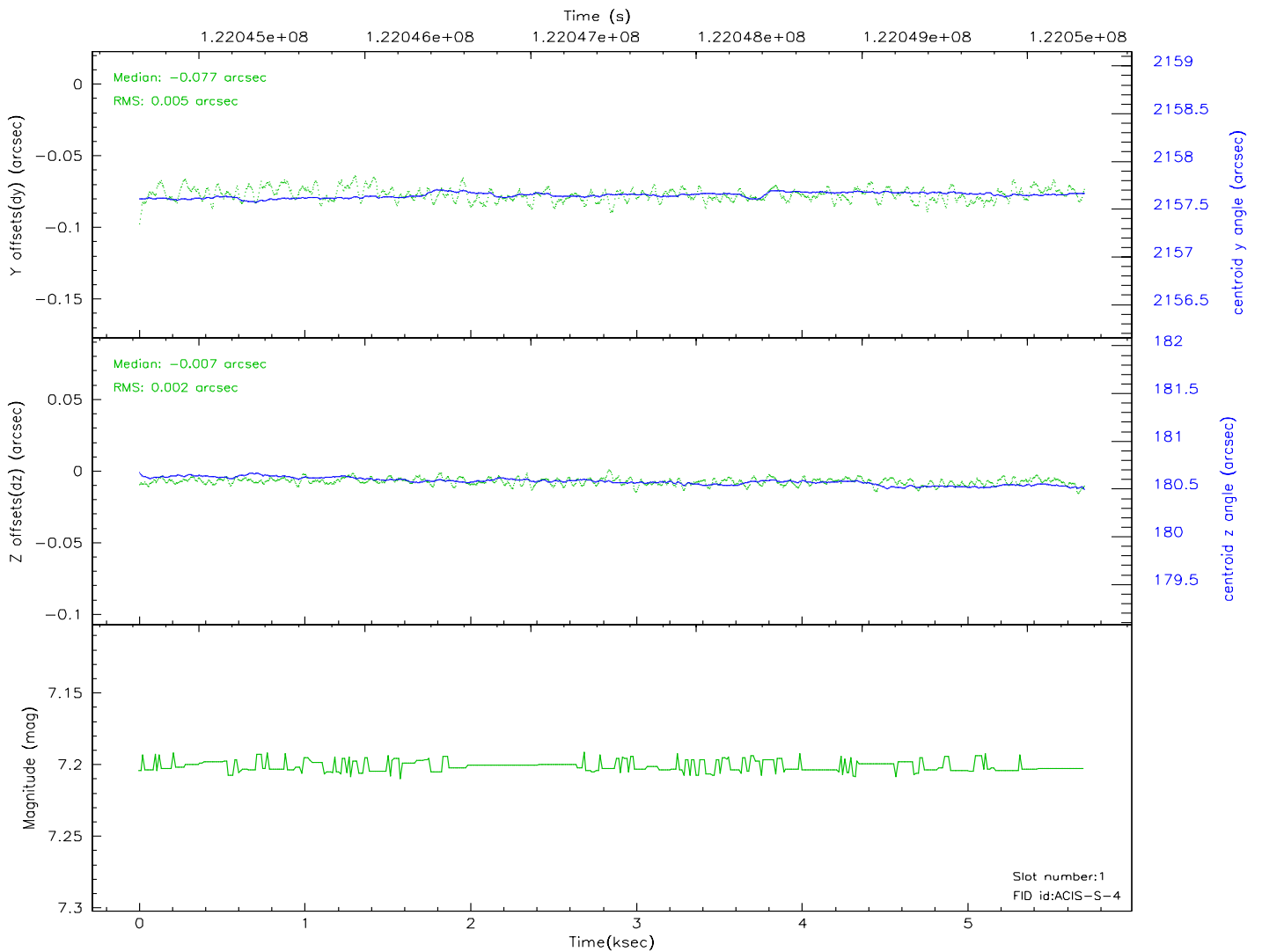
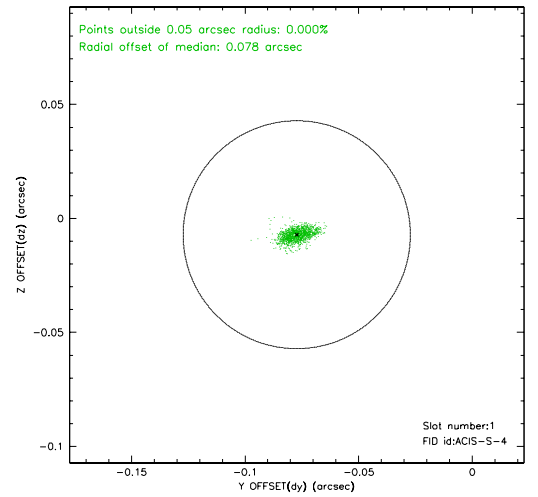
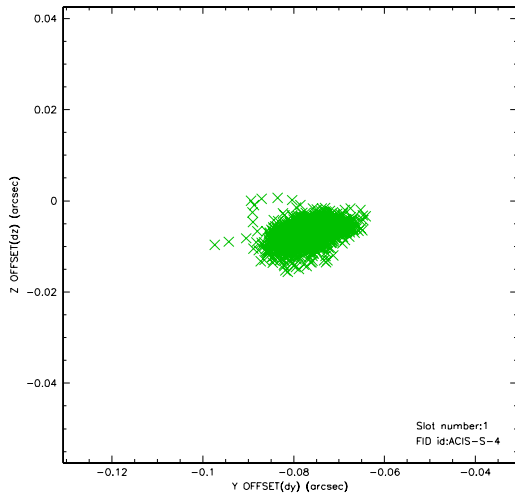


2.5 FID Slots

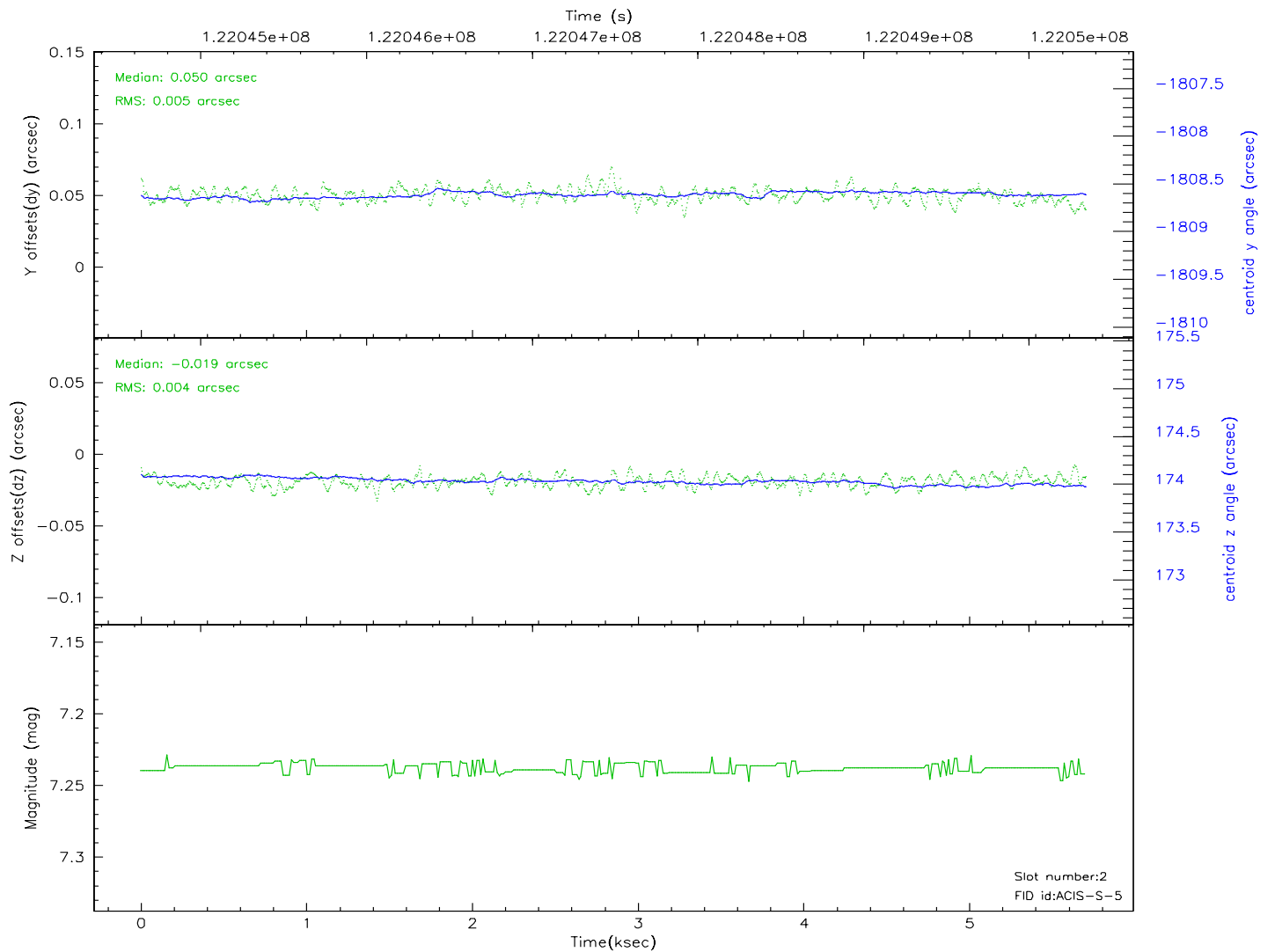
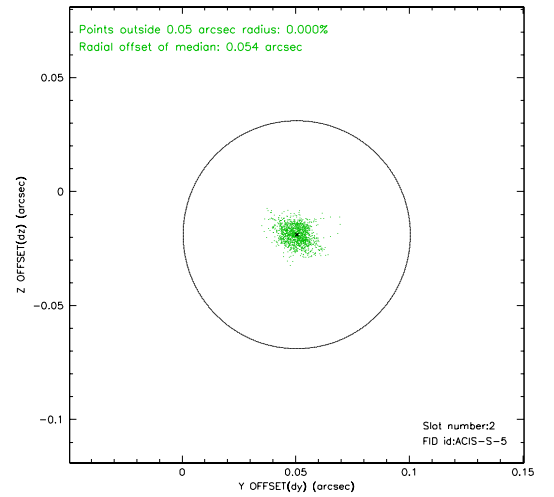
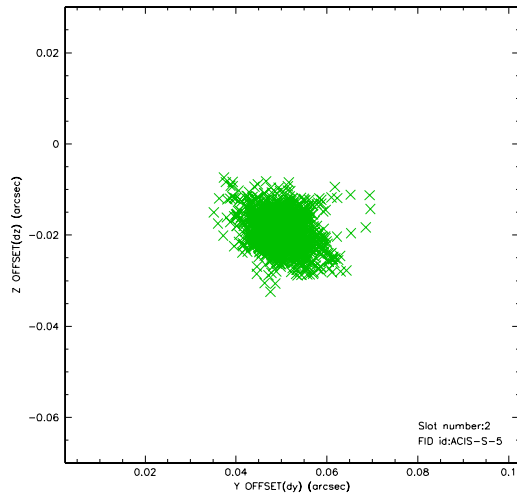
2.5.1 Slot 0



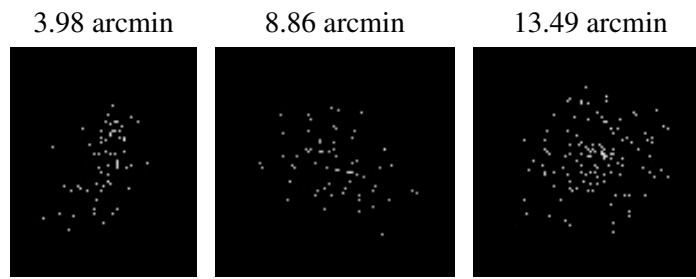
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.09

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the first ~0.5 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.