

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 3293 - L2 Version 001
Chandra X-Ray Center

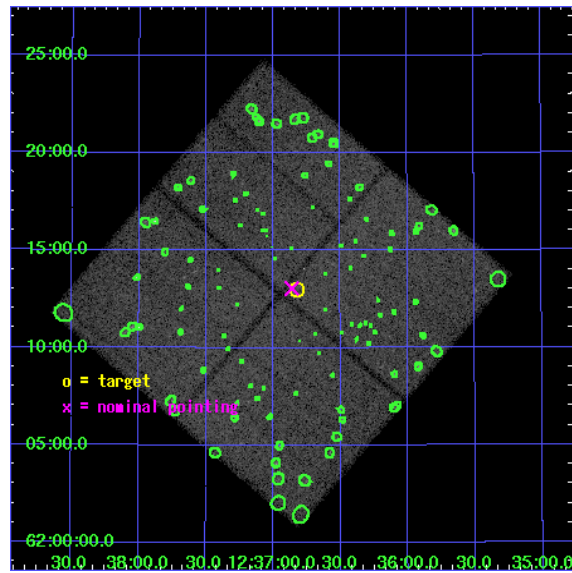
L2 Processing Date : Jan 12 2007

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1 Front

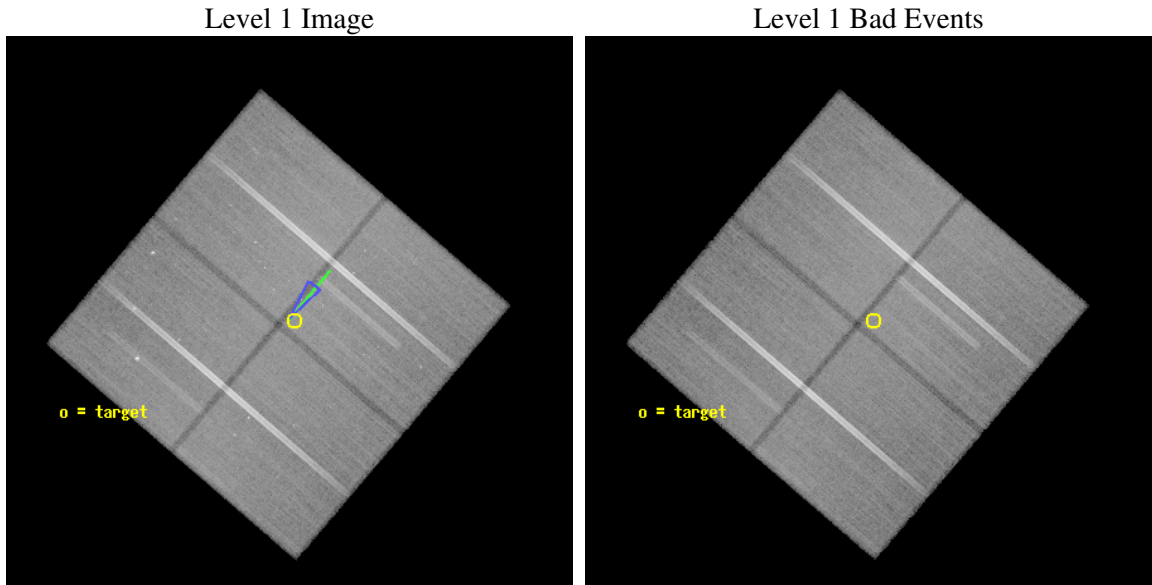
seq_num	900132
obs_id	3293
title	THE CHANDRA SURVEY OF THE HUBBLE DEEP FIELD NORTH AREA: A PUBLIC RESOURCE FOR THE PRESENT AND FUTURE OF X-RAY ASTRONOMY
observer	Prof. William Brandt
object	HDF-N
dtcycle	0
cycle	P
ra_targ	189.205833
dec_targ	62.216111
ra_nom	189.21546509834
dec_nom	62.217526996524
roll_nom	40.523163915227
revision	2
ontime	163384.92608283
livetime	161250.18174133
ontime0	163413.19482468
ontime1	163388.06717254
ontime2	163391.20809297
ontime3	163384.92608283
l2events	256301



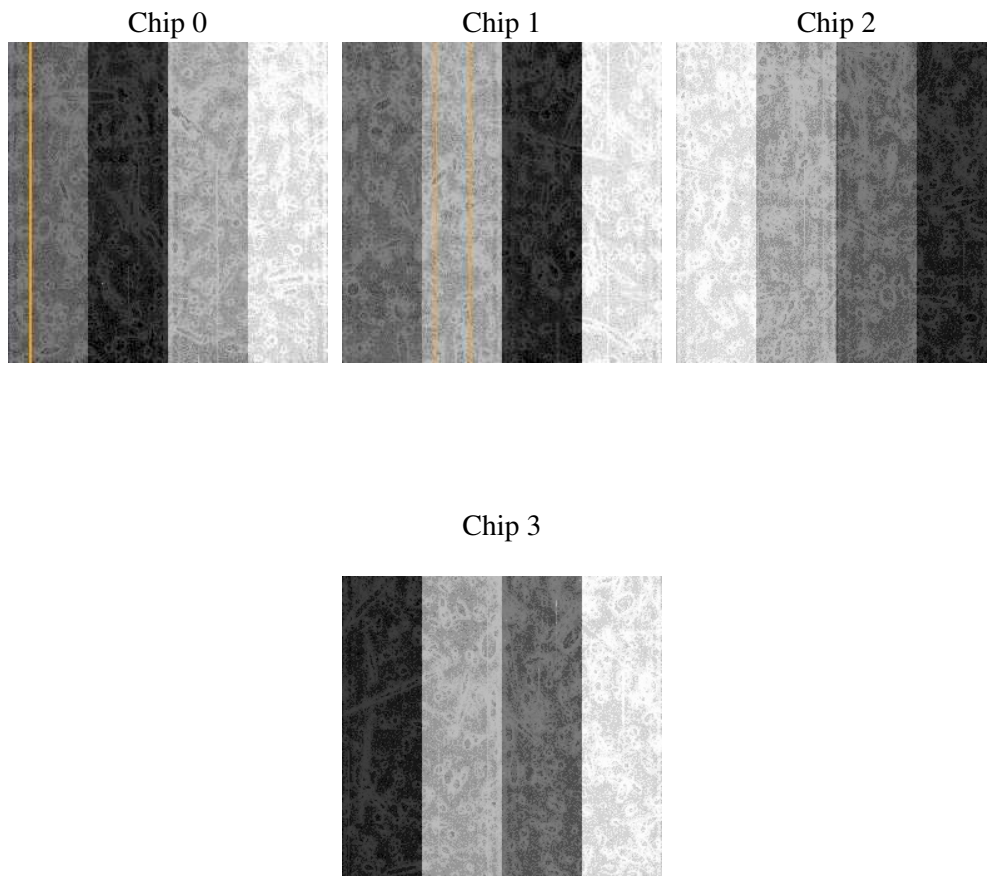
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-12T13:13:09
revision	2

sched_exp_time	163304.324000
ontime	163384.92608283
ontime0	163413.19482468
ontime1	163388.06717254
ontime2	163391.20809297
ontime3	163384.92608283
l1events	3208900

2.1.4 Events

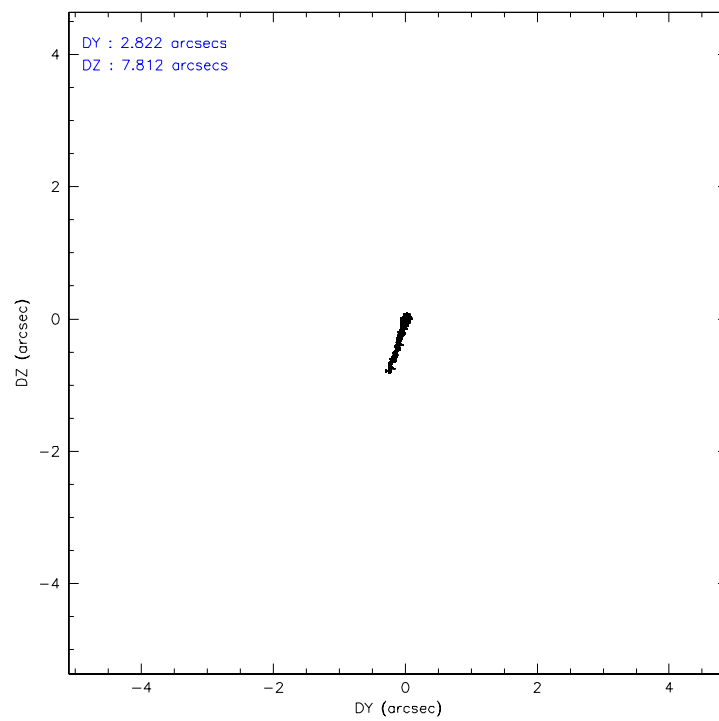
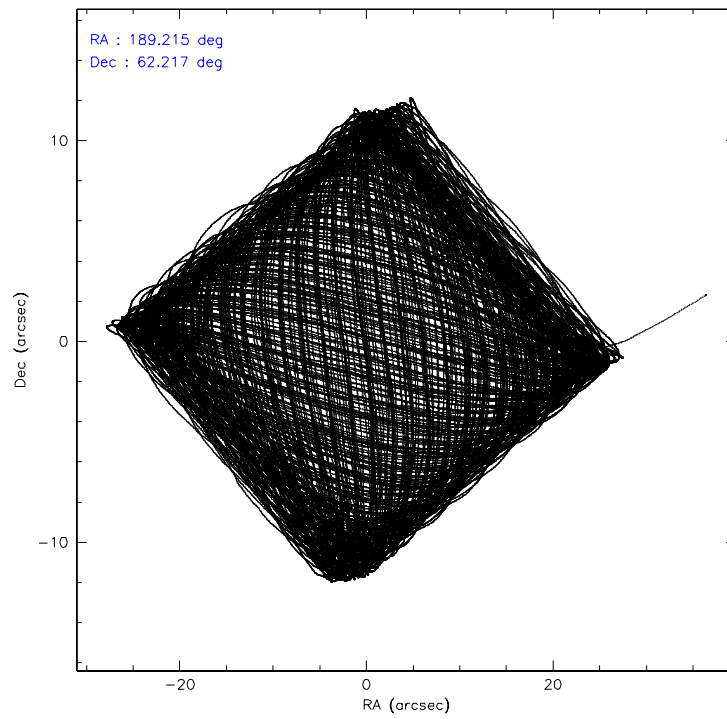
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	760571	761613	857415	829301
rejected events	679151	680123	779422	754496
rejected %	89%	89%	90%	90%

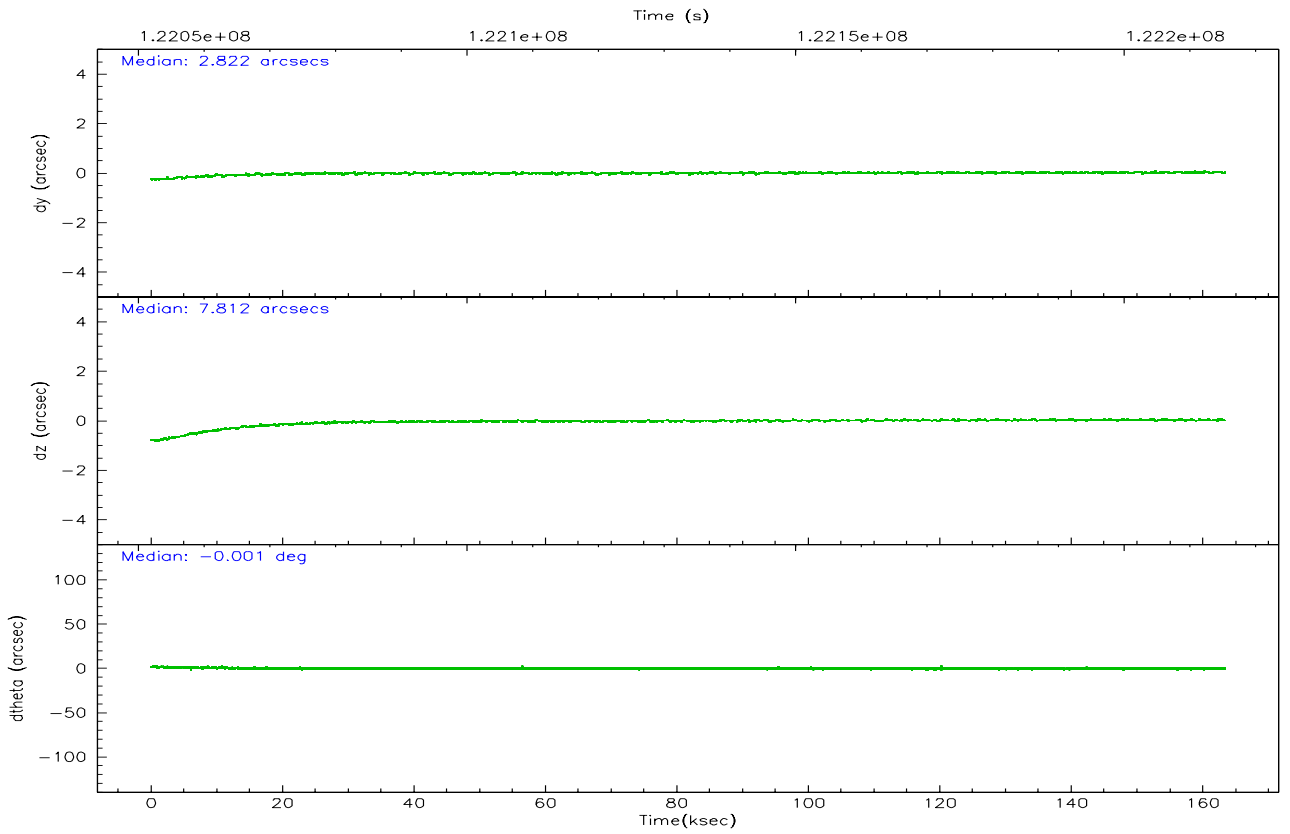
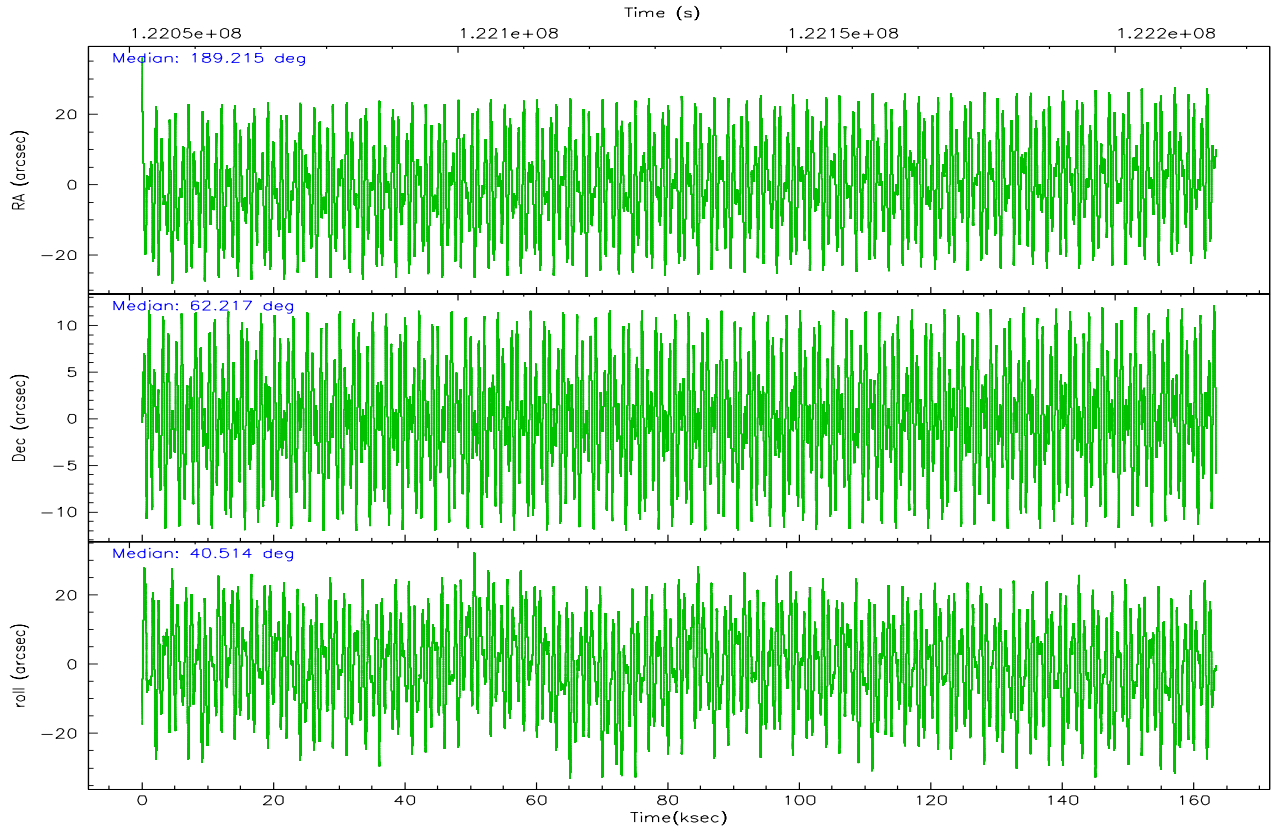
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	30889	28167	29469	27746
	4%	3%	3%	3%
grade 1 events	343	329	330	354
	0%	0%	0%	0%
grade 2 events	18060	17177	17656	15596
	2%	2%	2%	1%
grade 3 events	9446	10300	8520	8747
	1%	1%	0%	1%
grade 4 events	8672	9807	8640	8469
	1%	1%	1%	1%
grade 5 events	22291	24381	21089	24803
	2%	3%	2%	2%
grade 6 events	14417	16108	13783	14320
	1%	2%	1%	1%
grade 7 events	656453	655344	757928	729266
	86%	86%	88%	87%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	189.195967	189.2154650983377	Subarray requested	NONE	NONE
Pointing Dec	62.191647	62.21752699652408	Alternating exposures requested	N	N
Pointing Roll	40.331722	40.52316391522681	Primary exposure time	0.000000	3.1
Roll angle	38.000000	38.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	122052062.184000	122051082.91951			
Observation start date	2001-11-13T15:19:58	2001-11-13T15:04:42			
Observation end time	122215366.184000	122215680.50109			
Observation end date	2001-11-15T12:41:42	2001-11-15T12:48:00			
Read mode	TIMED	TIMED			

2.3 Aspect



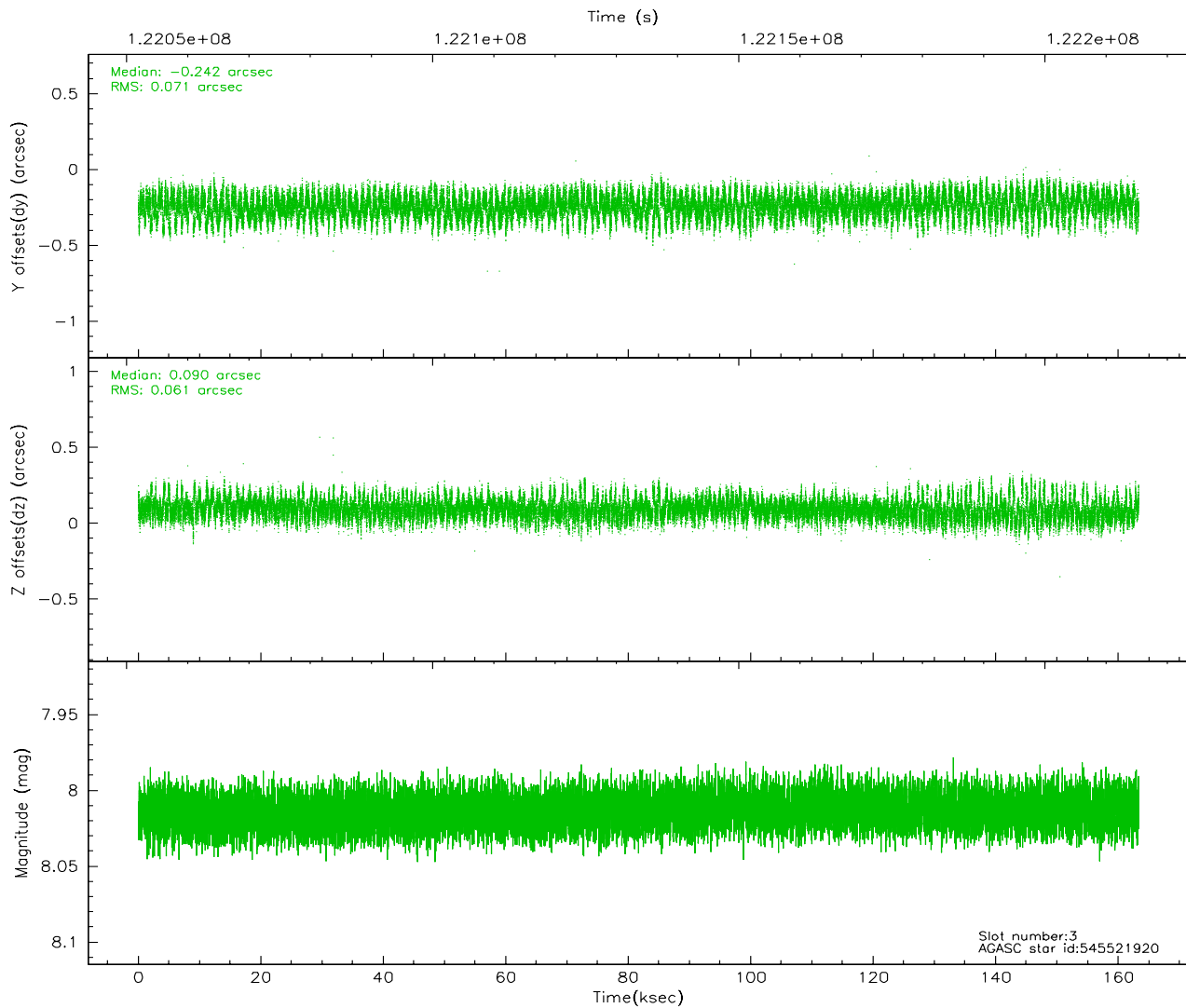
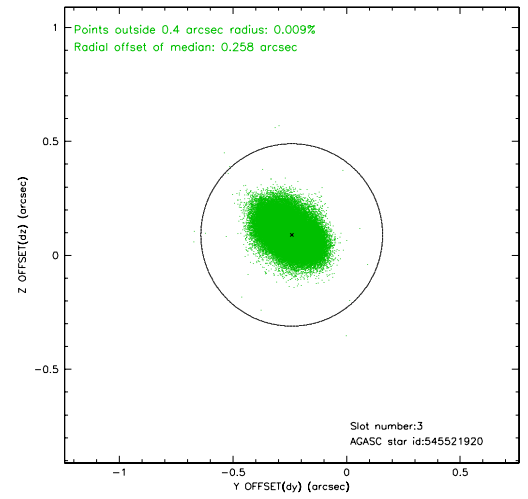
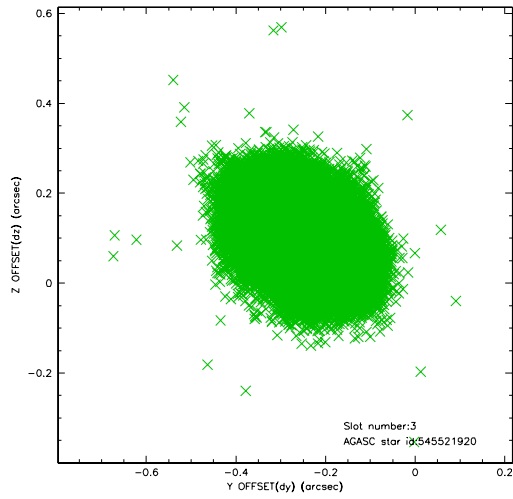


Slot Statistics

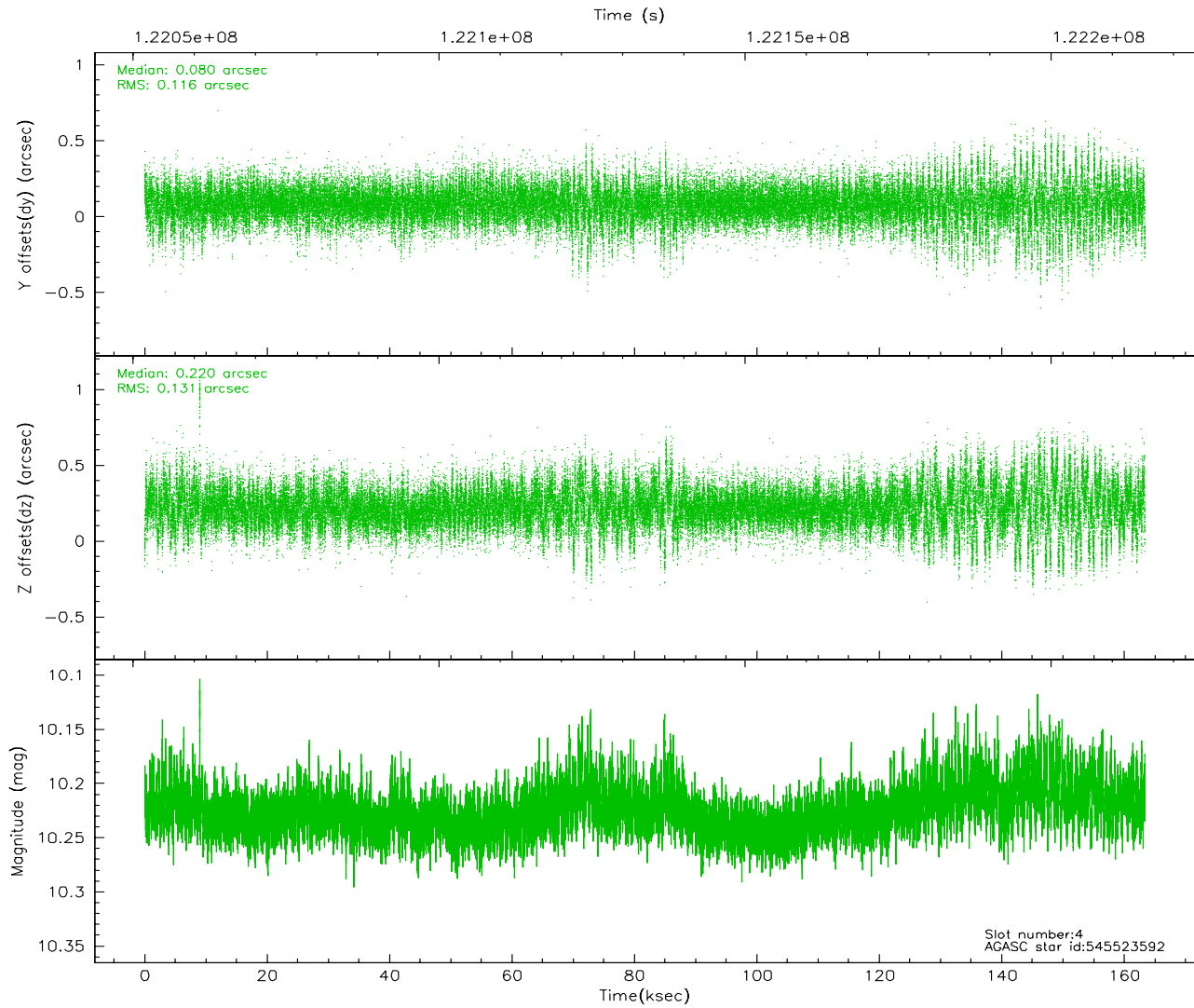
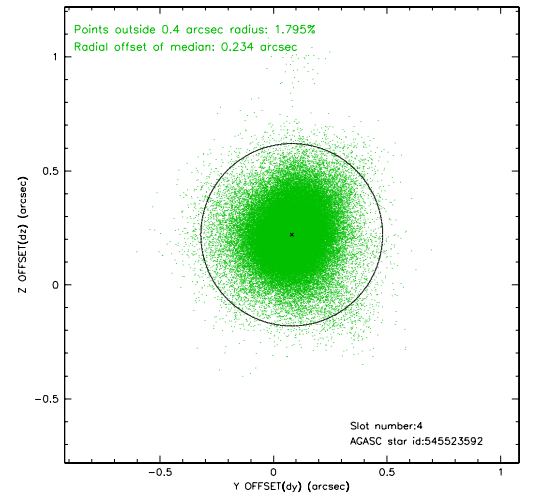
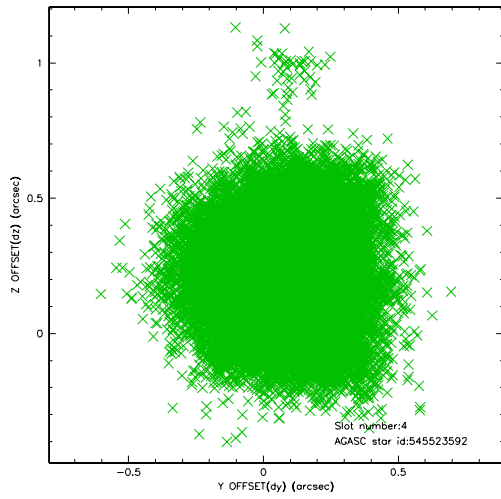
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	39843	-0.035	0.078	0.007	0.019	0.000000	0.000000	936.94	-831.11
1	FID	ACIS-I-5	7.24	39842	-0.008	0.039	0.006	0.011	0.000000	0.000000	-1811.18	1066.43
2	FID	ACIS-I-6	7.26	39847	-0.048	-0.046	0.008	0.015	0.000000	0.000000	402.62	1710.70
3	GUIDE	545521920	8.01	79685	-0.242	0.090	0.101	0.163	190.203465	62.042567	957.90	-1499.01
4	GUIDE	545523592	10.23	79489	0.080	0.220	0.174	0.327	188.664324	61.541019	-2208.03	-1192.31
5	GUIDE	545523632	10.04	79571	0.191	0.087	0.162	0.273	188.952319	61.550910	-1810.11	-1487.26
6	GUIDE	544605560	10.25	79649	0.141	-0.302	0.203	0.351	187.386670	62.313812	-1994.54	2325.62
7	GUIDE	545916224	9.59	79649	-0.164	-0.092	0.134	0.214	188.817359	62.651242	594.76	1668.25

2.4 Star Slots

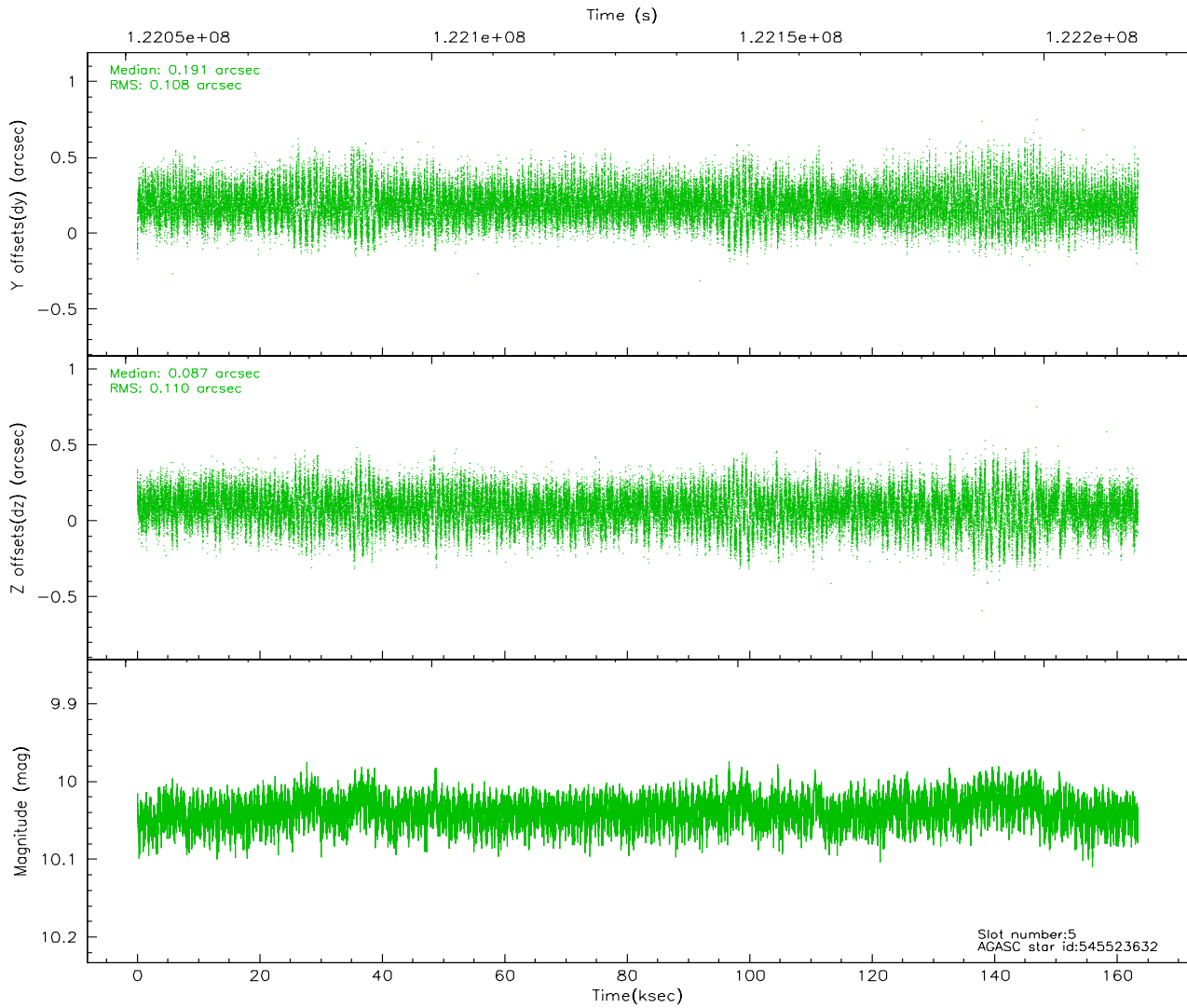
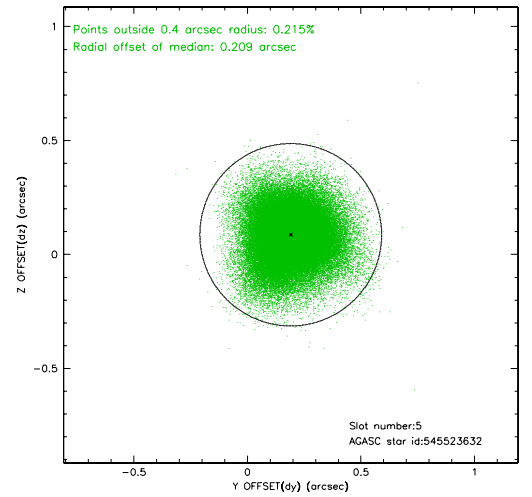
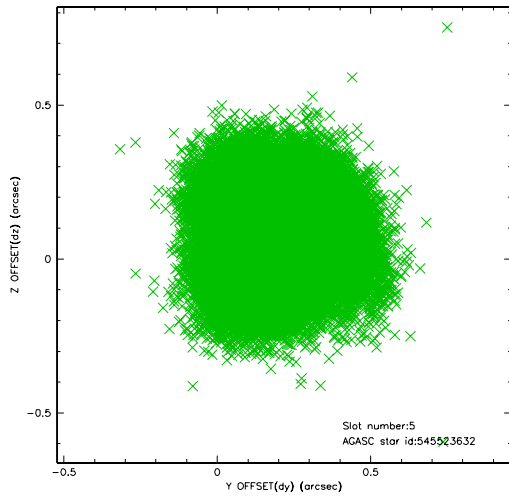
2.4.1 Slot 3



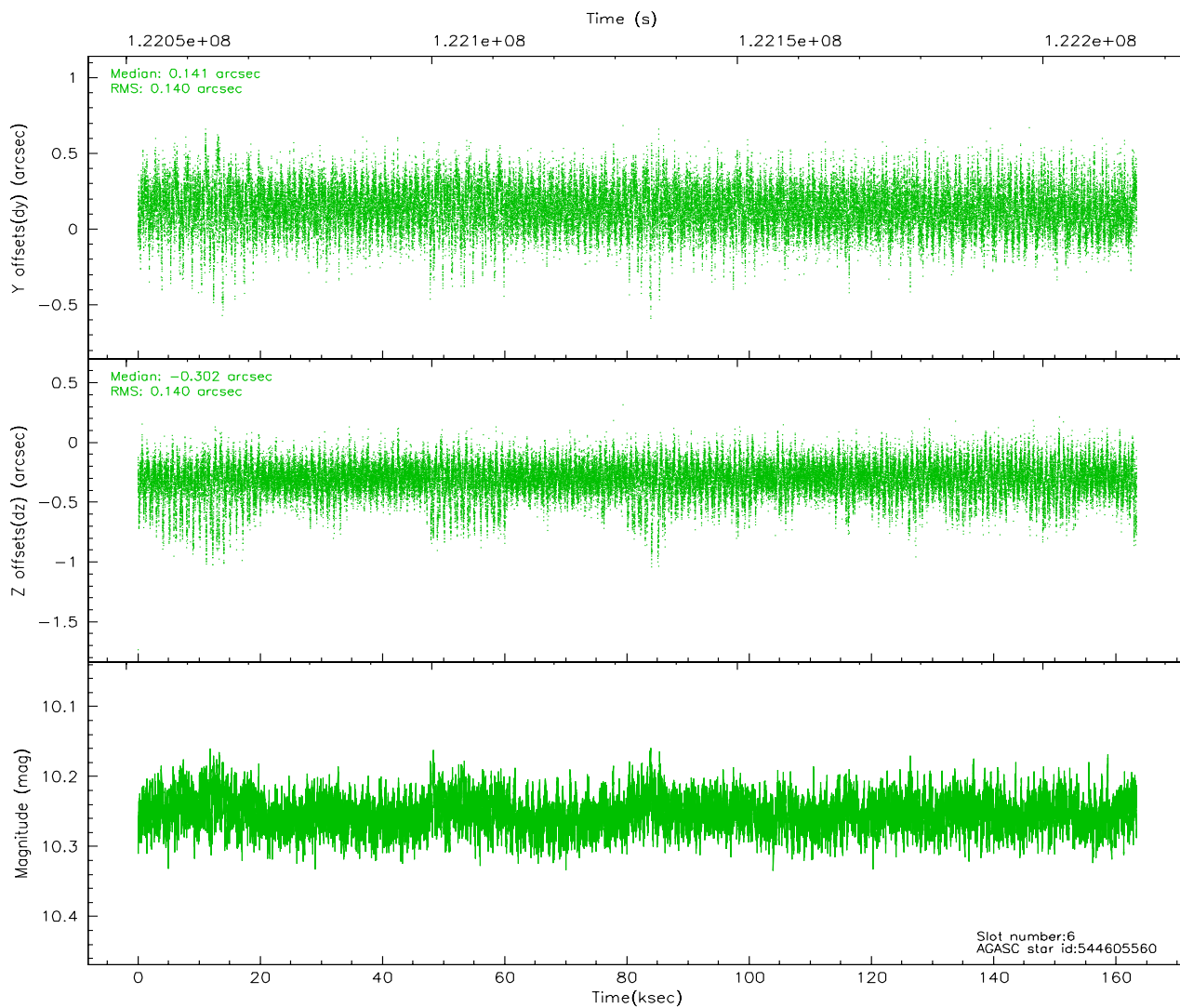
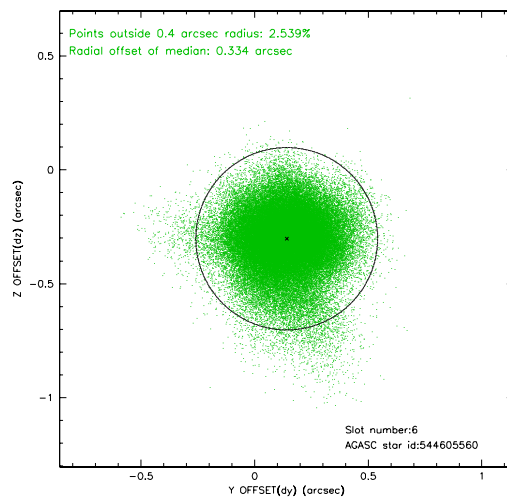
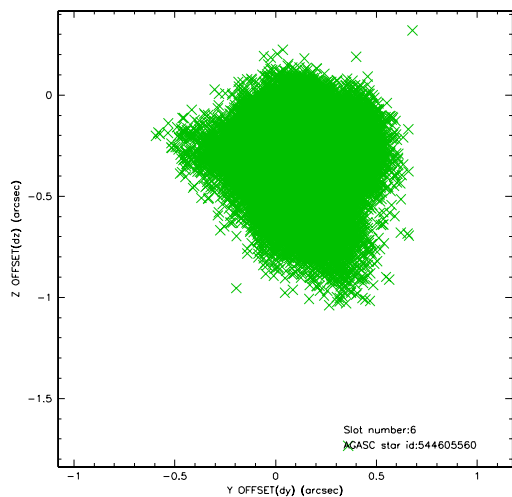
2.4.2 Slot 4



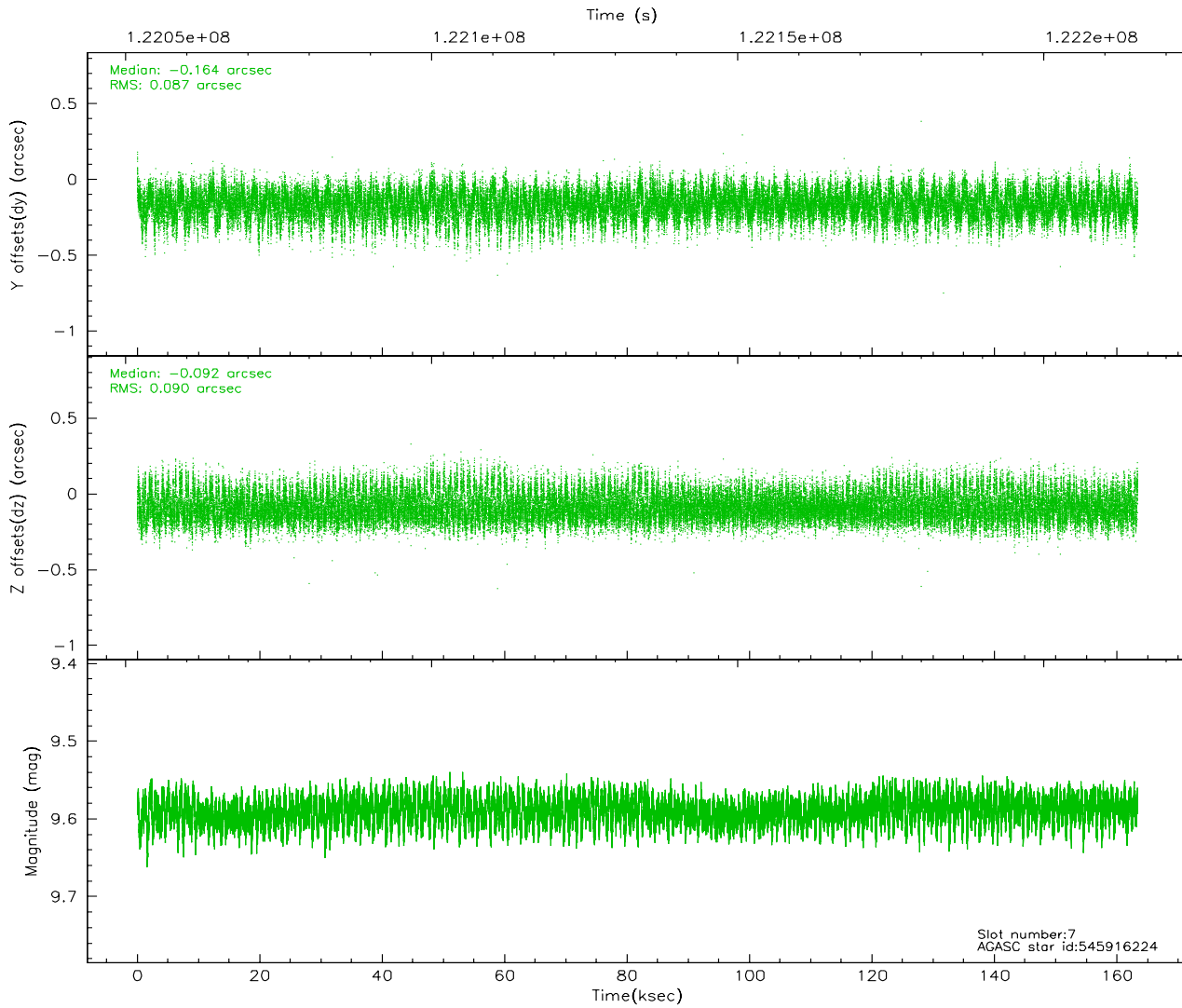
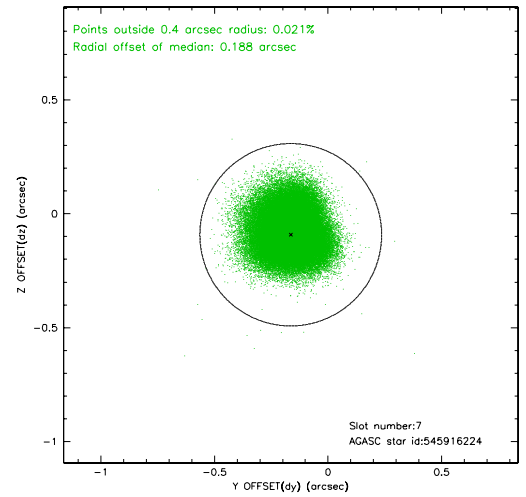
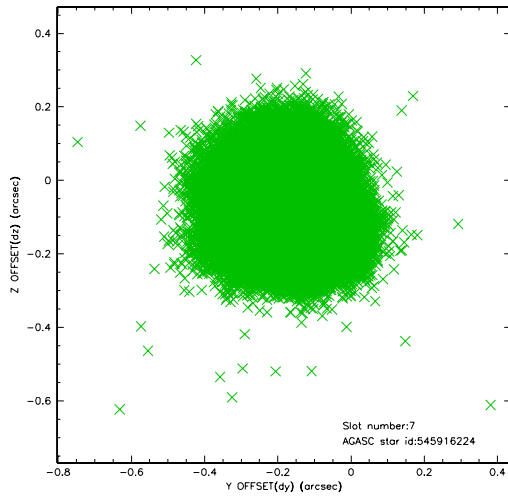
2.4.3 Slot 5



2.4.4 Slot 6

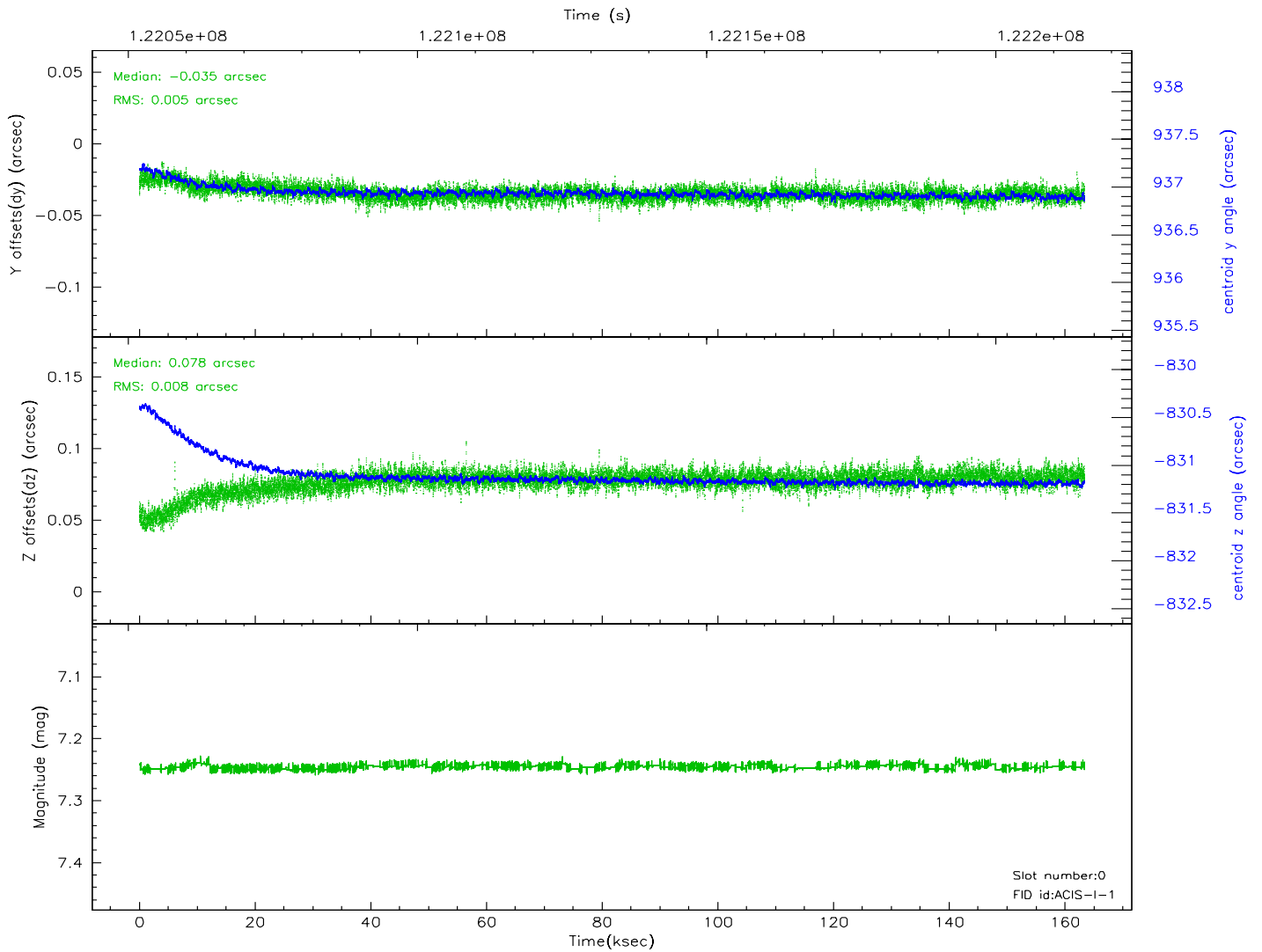
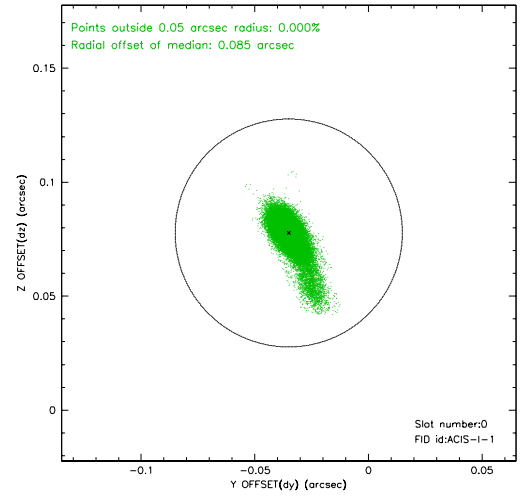
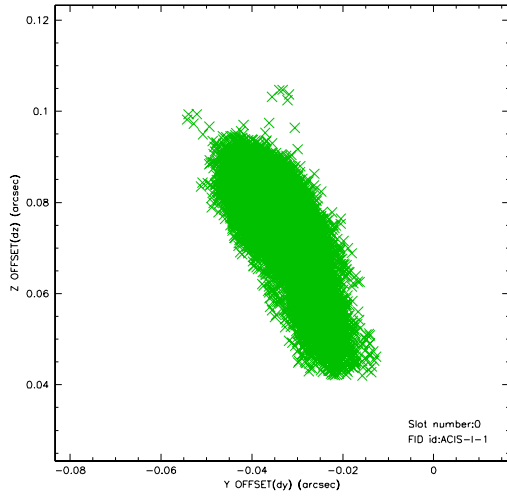


2.4.5 Slot 7

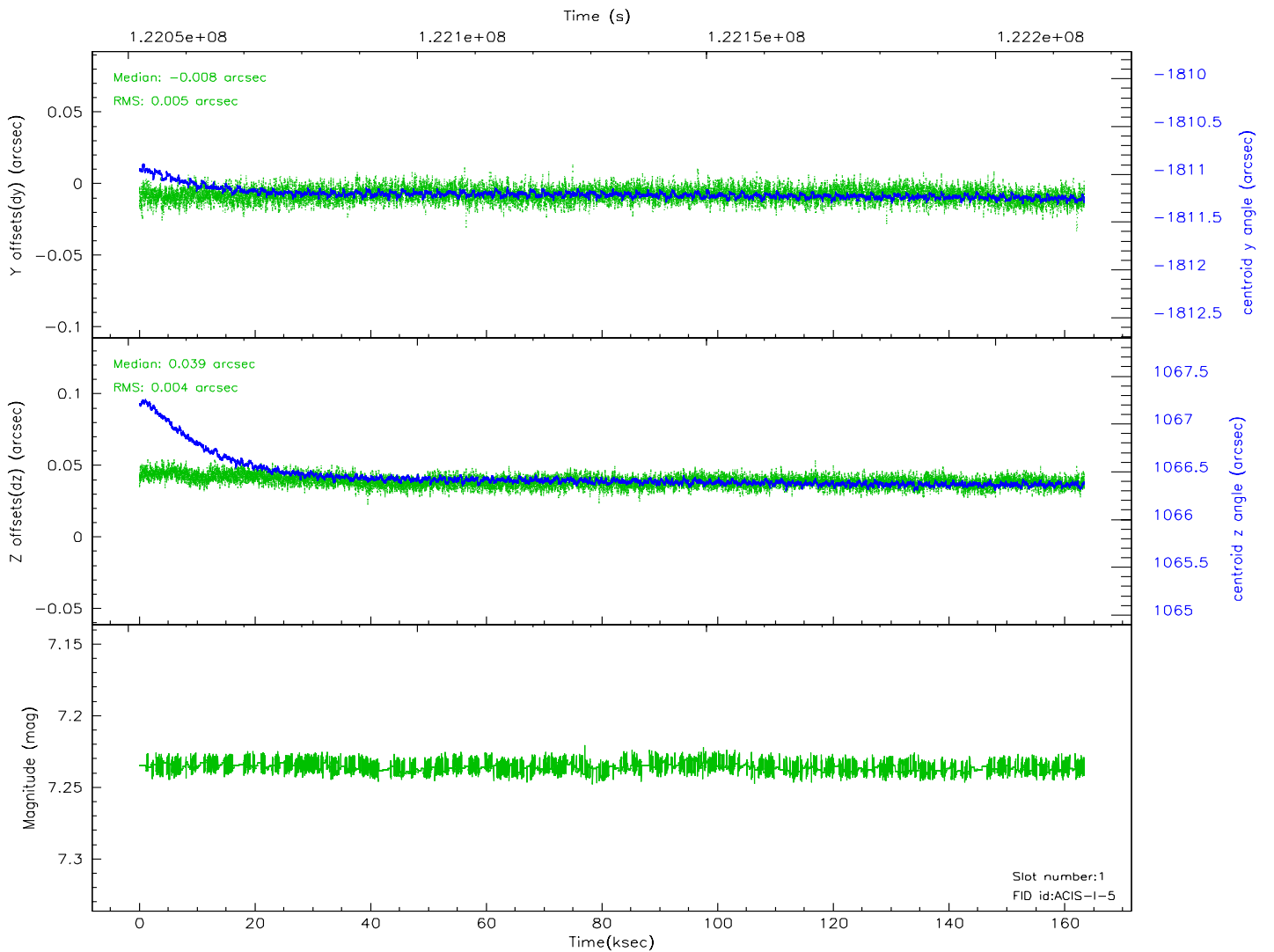
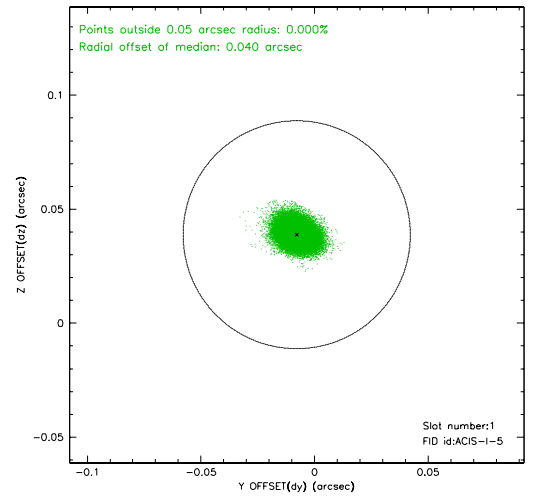
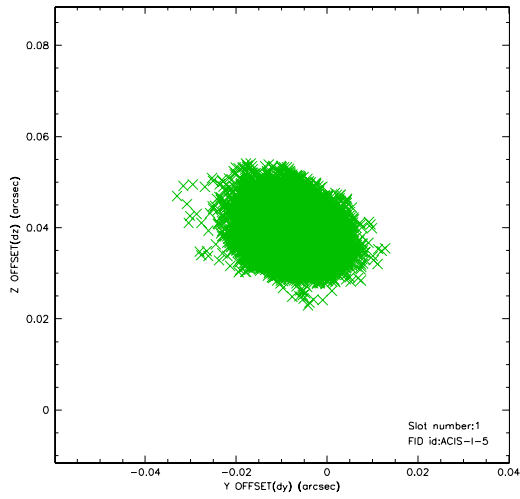


2.5 FID Slots

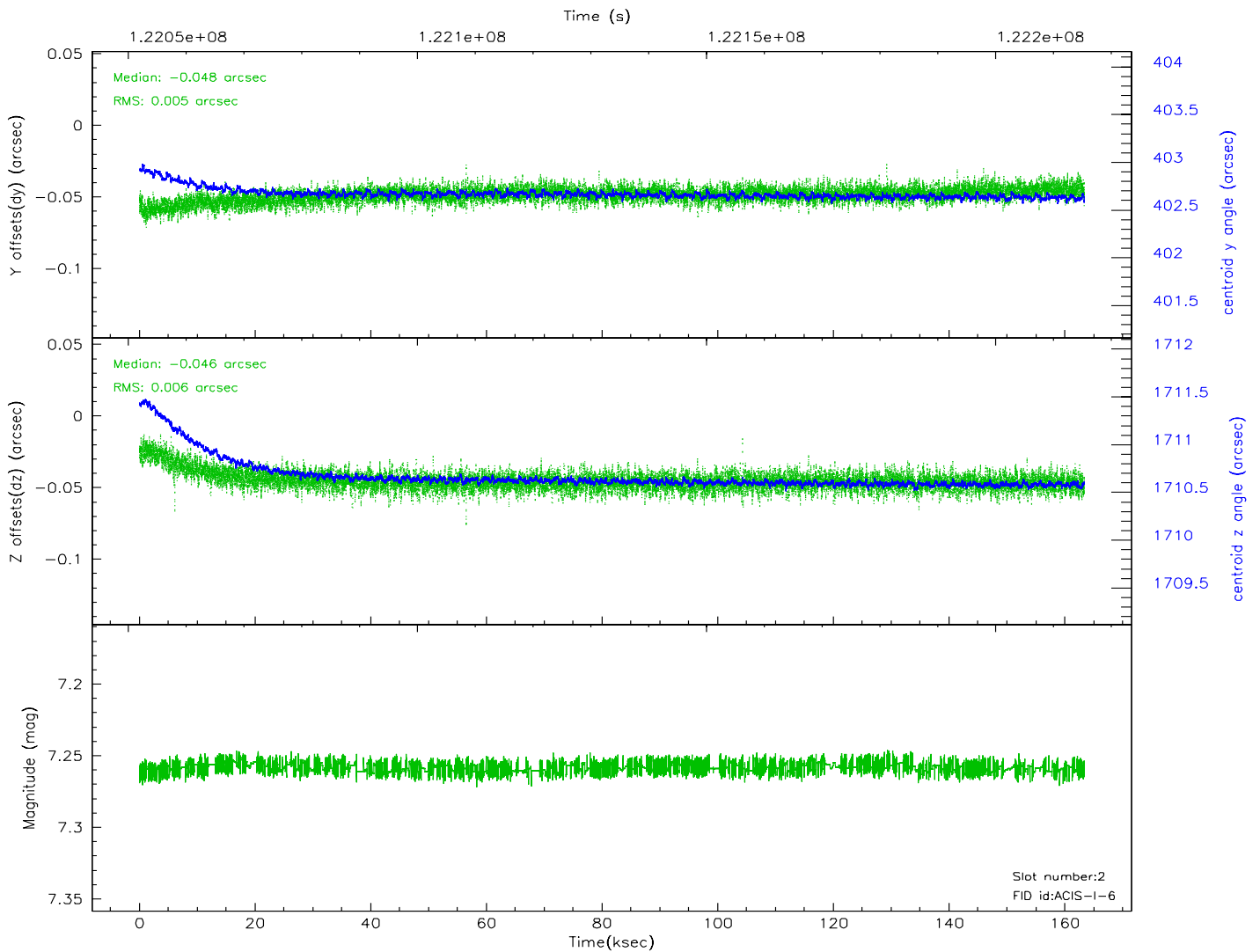
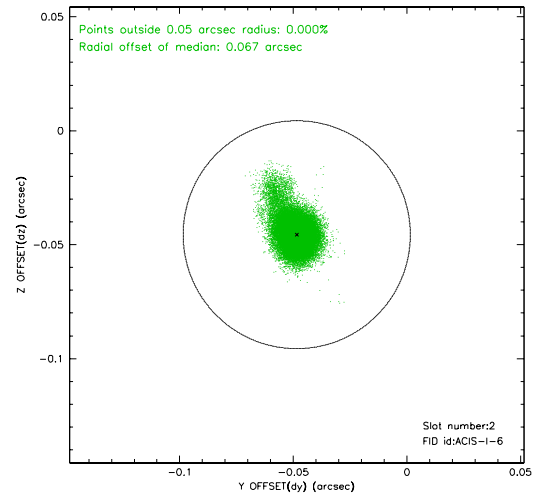
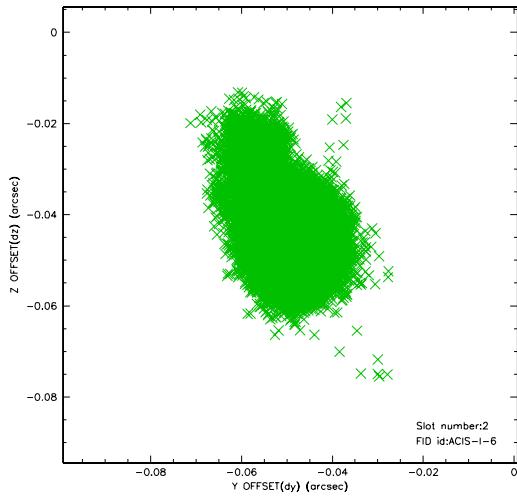
2.5.1 Slot 0



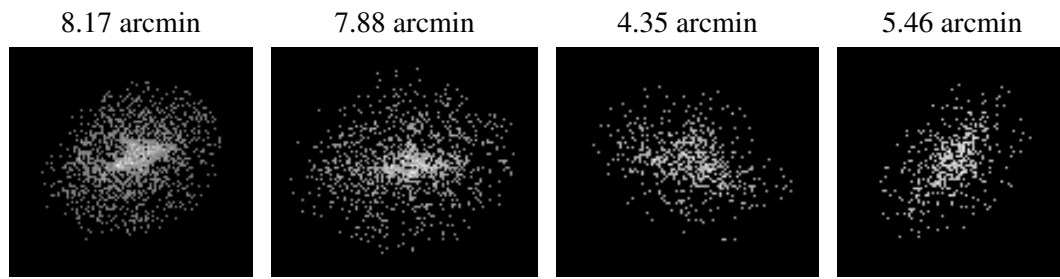
2.5.2 Slot 1



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	166.385

A.2 Comments