

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5827 - L2 Version 002
Chandra X-Ray Center

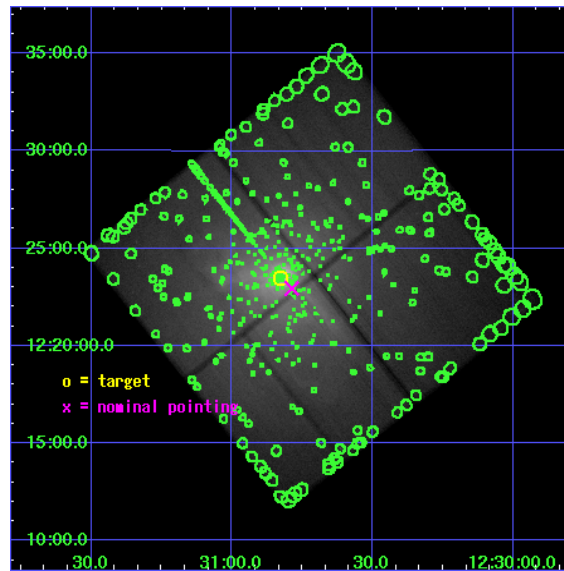
L2 Processing Date: Mar 3 2006

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1 Front

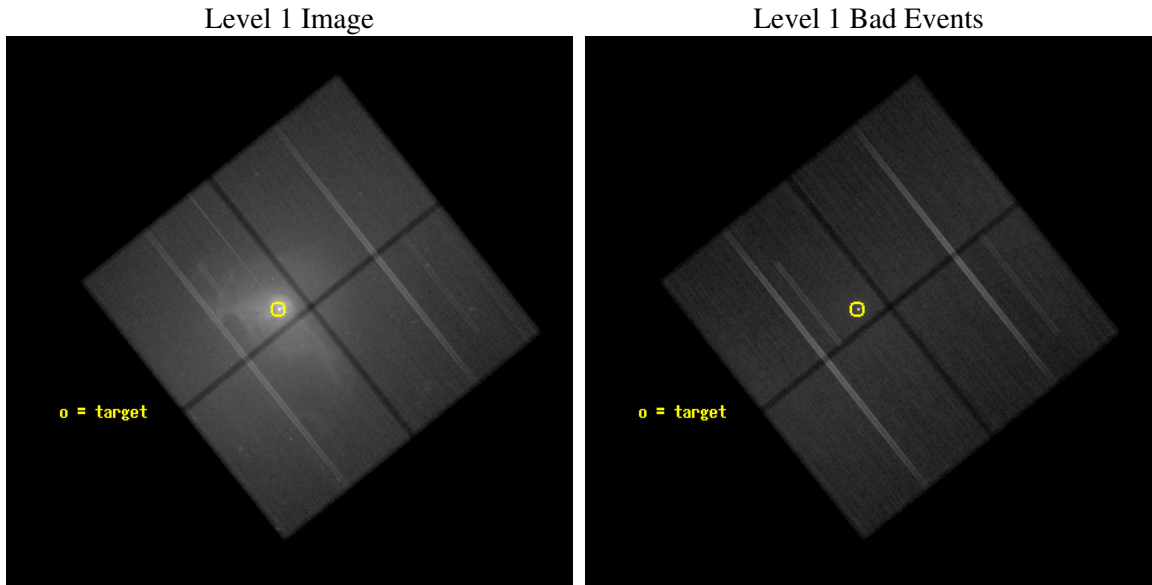
seq_num	800538
obs_id	5827
title	The History of AGN Activity in M87 and the Interaction of Nuclear Outbursts with the Surrounding Atmosphere
observer	Dr. William Forman
object	M87
dtcycle	0
cycle	P
ra_targ	187.70625
dec_targ	12.391111
ra_nom	187.69673737534
dec_nom	12.382422752808
roll_nom	231.39567350195
revision	2
ontime	158270.21275416
livetime	156202.29590769
ontime0	158267.07175386
ontime1	158276.4948341
ontime2	158260.78982332
ontime3	158270.21275416
l2events	5845965



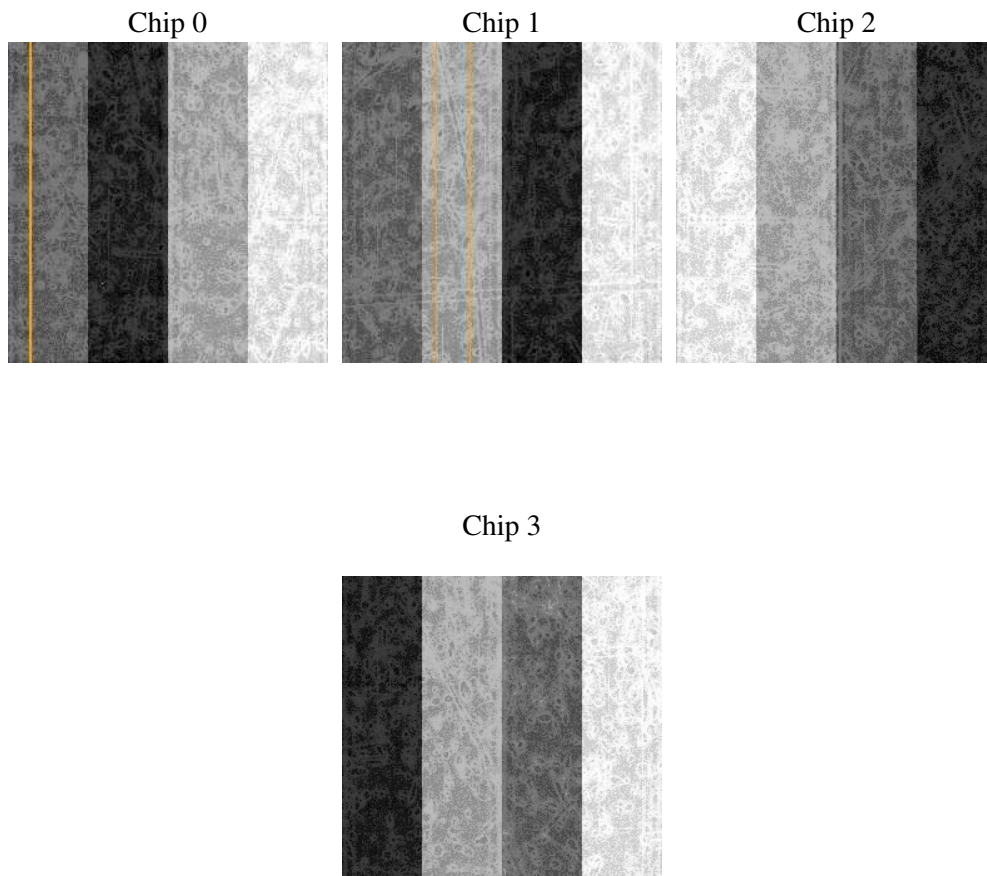
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-03-03T13:08:20
revision	2

sched_exp_time	158116.189000
ontime	159098.53033385
ontime0	159095.38935348
ontime1	159104.81243372
ontime2	159089.10740301
ontime3	159098.53033385
llevents	10051961

2.1.4 Events

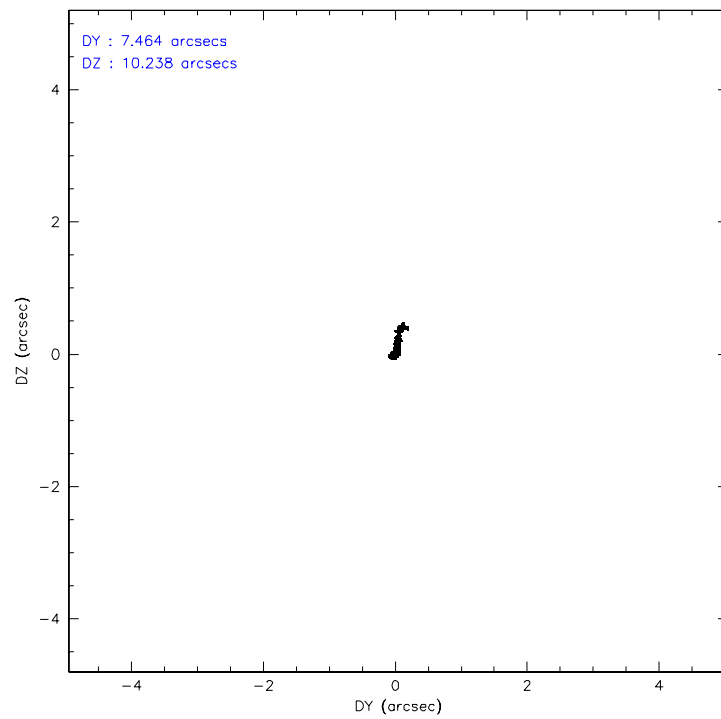
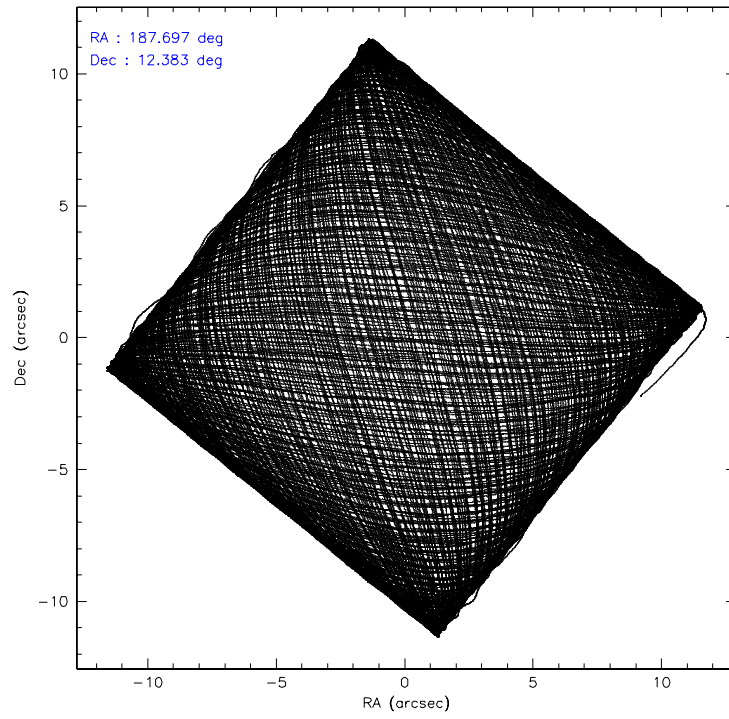
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	1736075	2051442	2568117	3696327
rejected events	879907	889768	1042576	1038122
rejected %	50%	43%	40%	28%

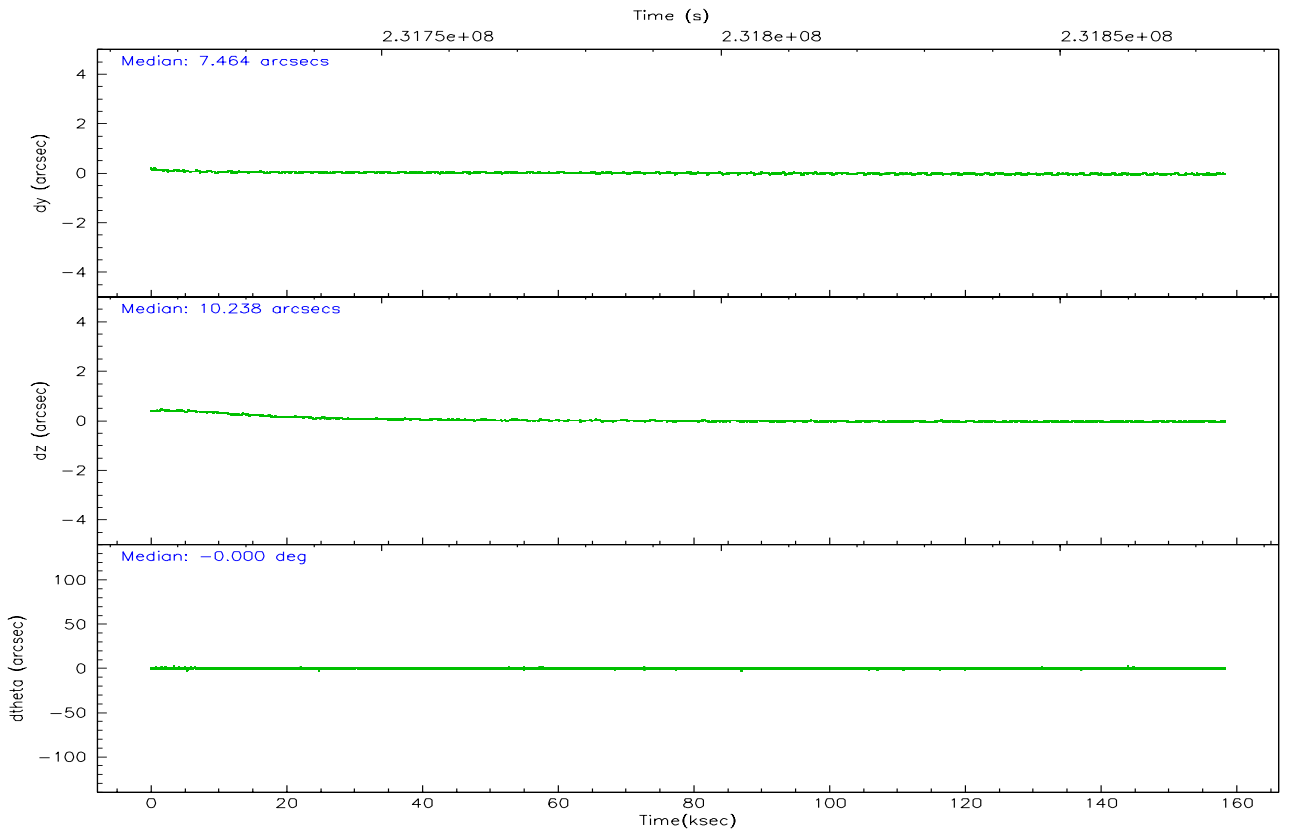
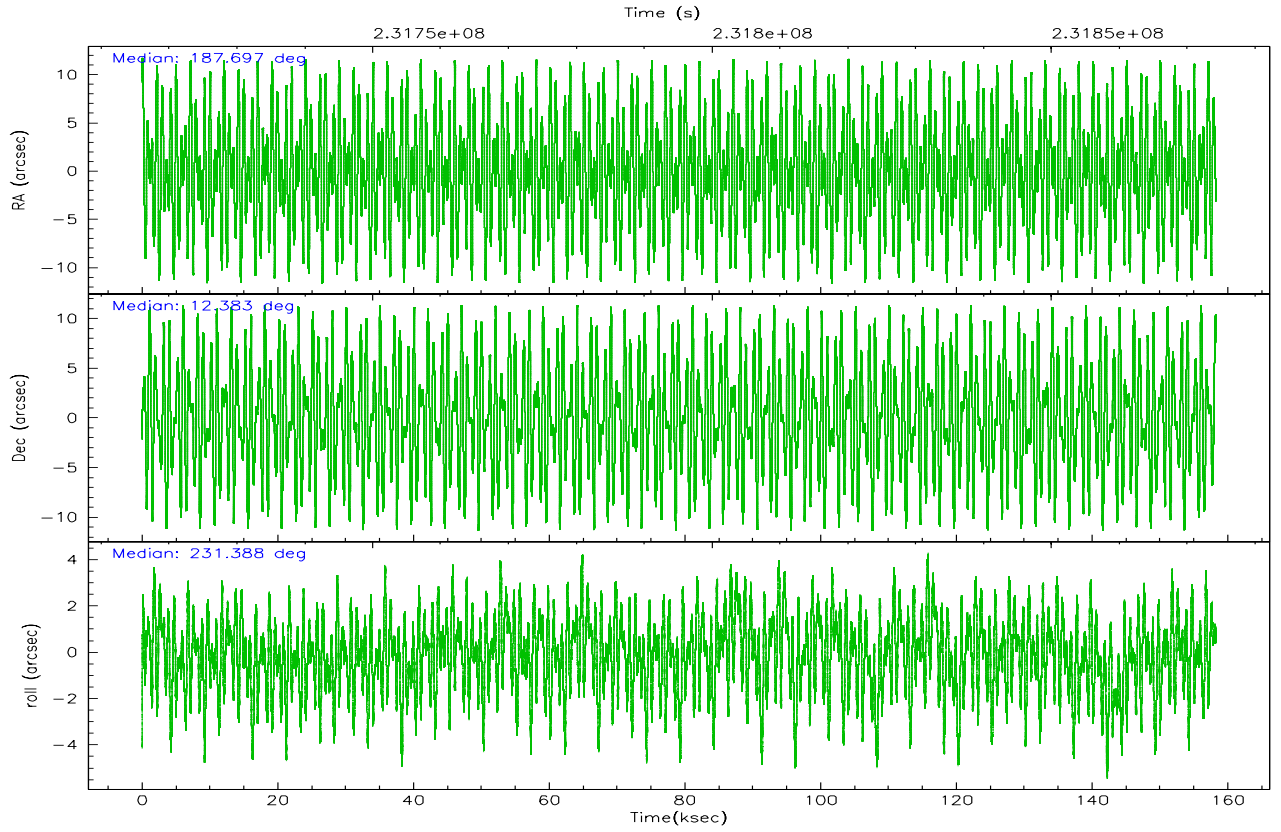
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	666122	916867	1243957	2214488
	38%	44%	48%	59%
grade 1 events	3434	4211	7414	20831
	0%	0%	0%	0%
grade 2 events	95911	124179	149177	240975
	5%	6%	5%	6%
grade 3 events	32050	40922	46925	73508
	1%	1%	1%	1%
grade 4 events	30822	39710	48011	74768
	1%	1%	1%	2%
grade 5 events	38413	41875	38446	55751
	2%	2%	1%	1%
grade 6 events	32861	41650	40254	57219
	1%	2%	1%	1%
grade 7 events	836462	842028	993933	958787
	48%	41%	38%	25%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	187.700809	187.6967373753447	Alternating exposures requested	N	N
Pointing Dec	12.409503	12.38242275280768	Primary exposure time	0.000000	3.1
Pointing Roll	231.186118	231.3956735019502			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-231.592463	-231.5960967419932			
SIM translation stage offset (mm)	-2	-1.996356260936523			
Observation start time	231716194.184000	231714855.66333			
Observation start date	2005-05-05T21:35:30	2005-05-05T21:14:15			
Observation end time	231874310.184000	231874535.2956			
Observation end date	2005-05-07T17:30:46	2005-05-07T17:35:35			
Read mode	TIMED	TIMED			

2.3 Aspect



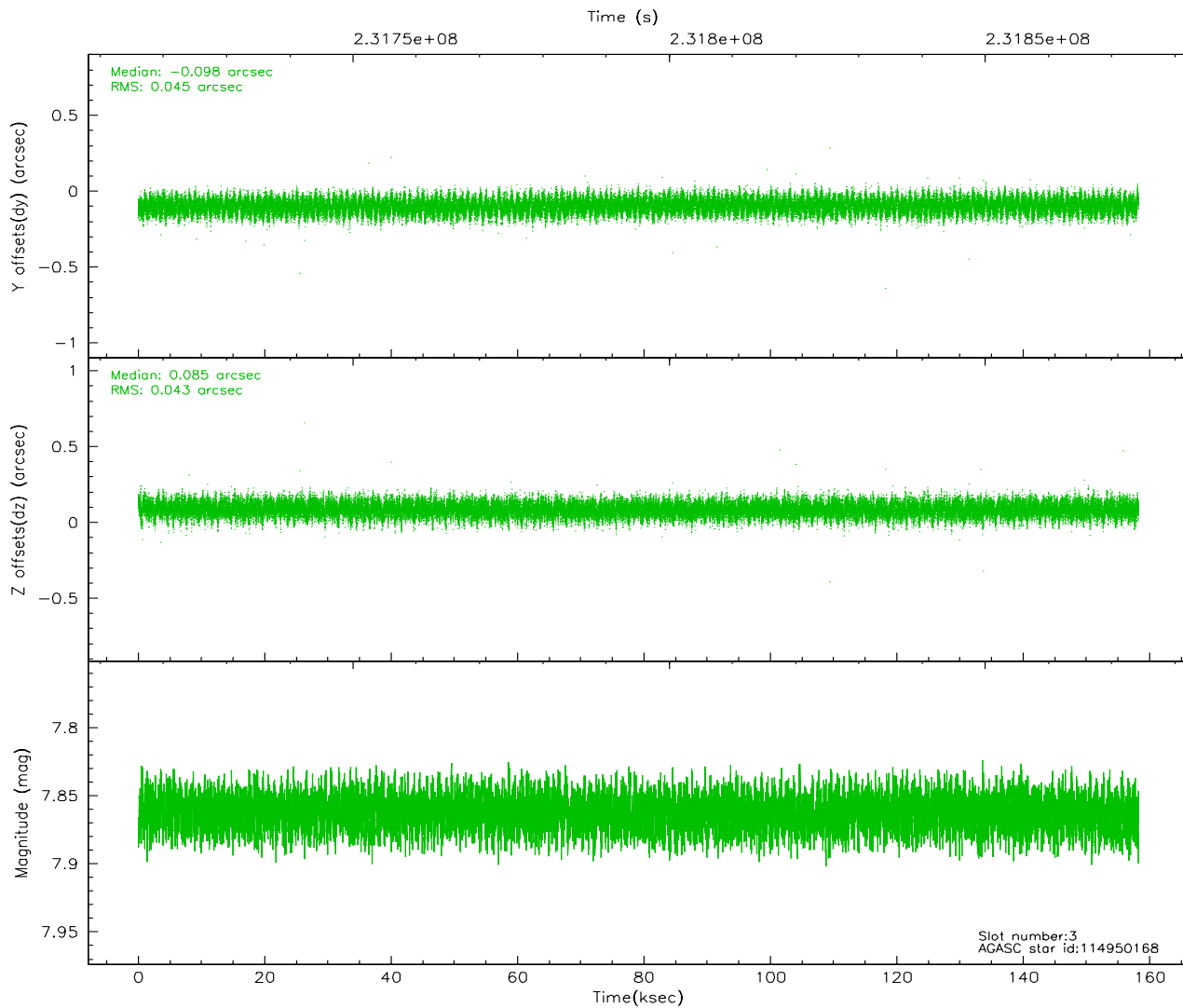
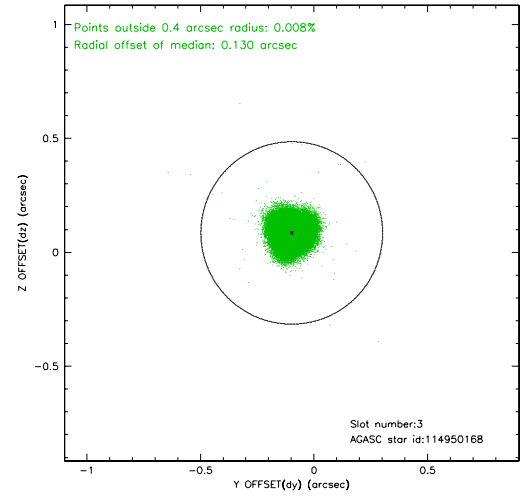
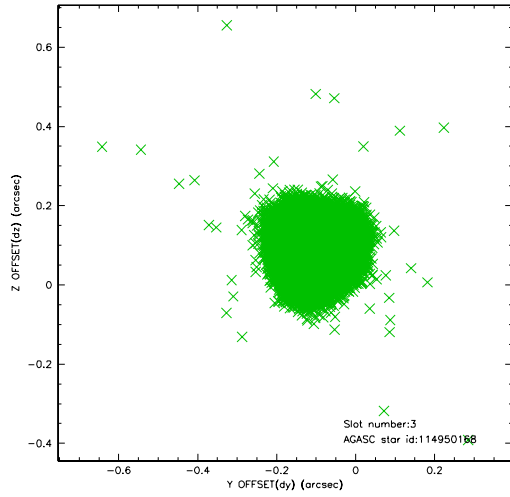


Slot Statistics

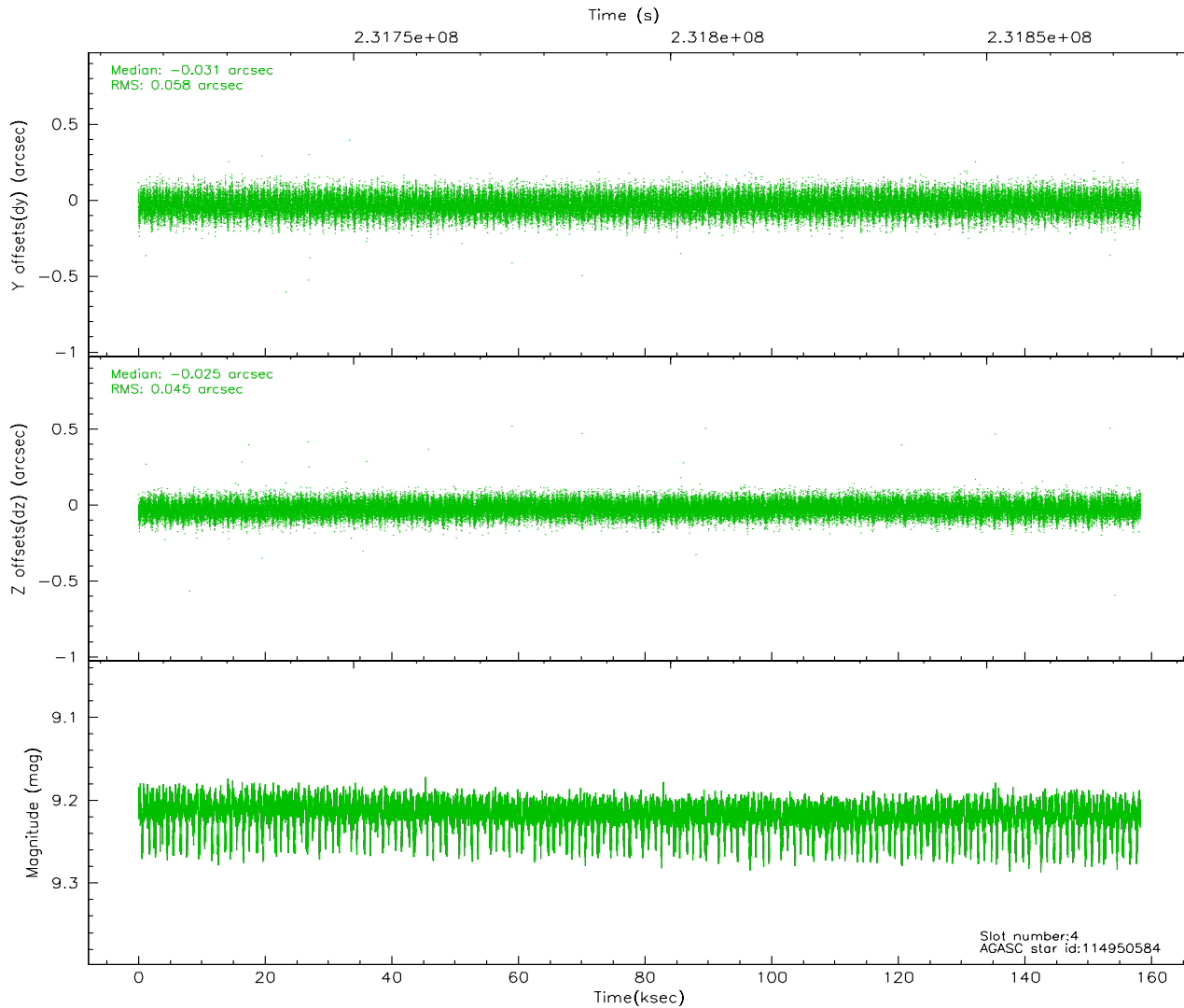
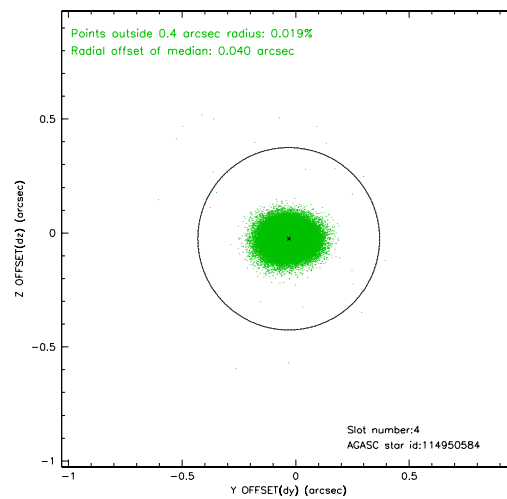
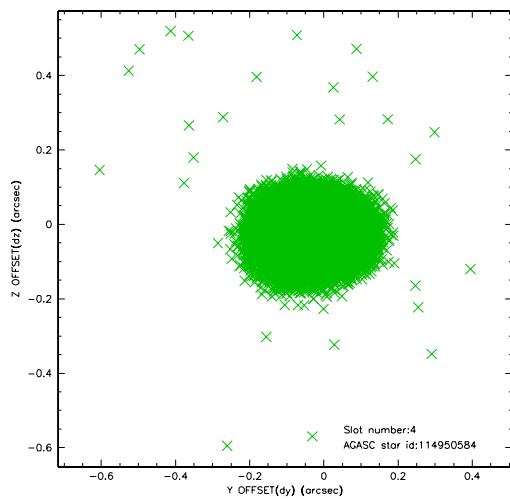
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	38608	0.026	0.001	0.006	0.011	0.000000	0.000000	932.16	-874.69
1	FID	ACIS-I-5	7.23	38610	-0.172	0.042	0.006	0.010	0.000000	0.000000	-1816.15	1022.98
2	FID	ACIS-I-6	7.25	38609	0.055	0.028	0.007	0.013	0.000000	0.000000	397.93	1667.27
3	GUIDE	114950168	7.86	77205	-0.098	0.085	0.067	0.106	187.143398	12.117441	2047.89	-870.59
4	GUIDE	114950584	9.21	77160	-0.031	-0.025	0.078	0.128	187.487323	11.827248	2104.96	727.66
5	GUIDE	114952824	8.57	77191	-0.017	0.109	0.064	0.103	187.703904	12.486727	-222.88	-165.84
6	GUIDE	114954440	9.20	77174	0.120	-0.072	0.103	0.167	186.915066	12.219118	2264.27	-1726.46
7	GUIDE	114955056	8.32	77203	0.030	-0.095	0.065	0.105	187.914001	12.127854	319.80	1219.87

2.4 Star Slots

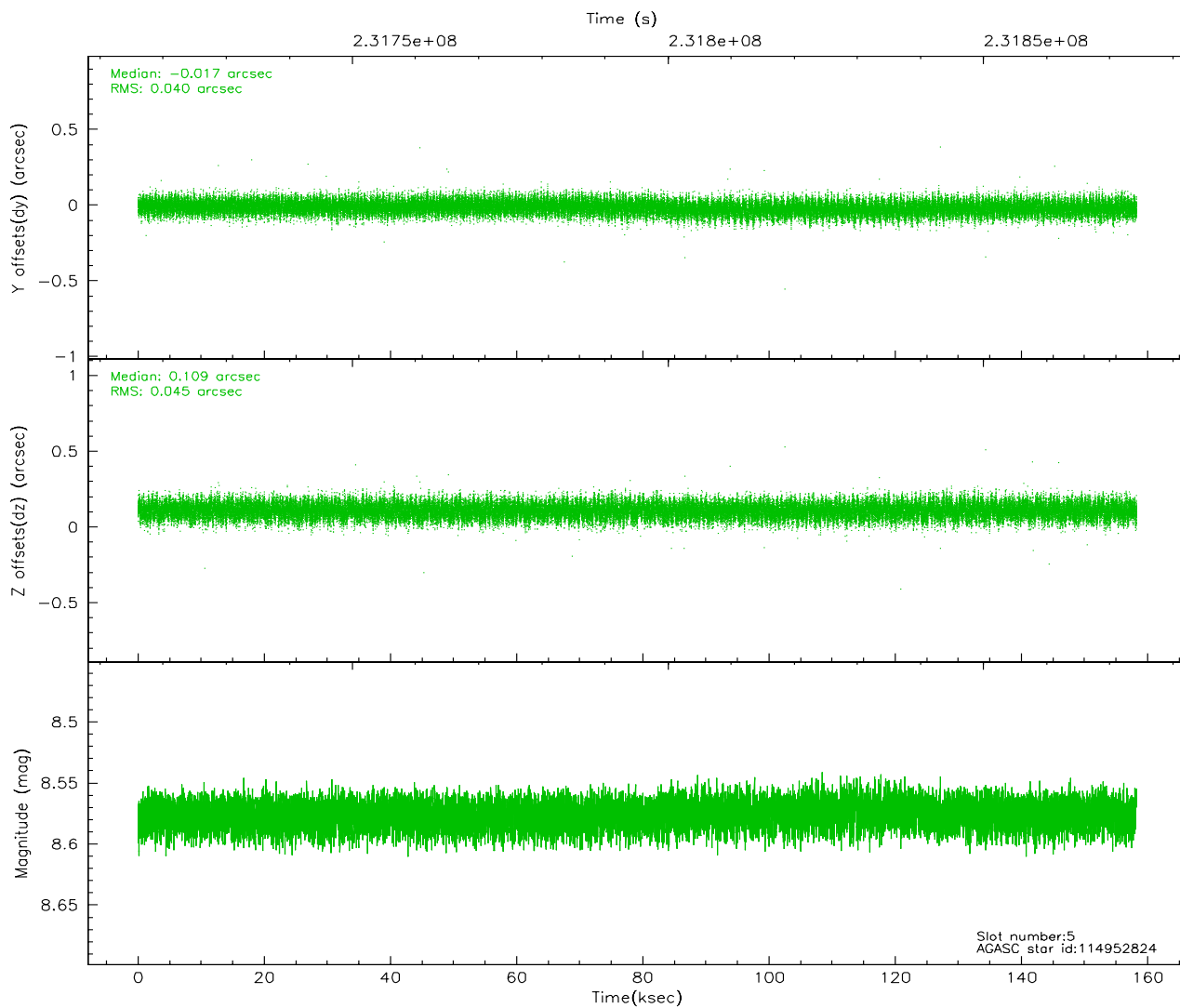
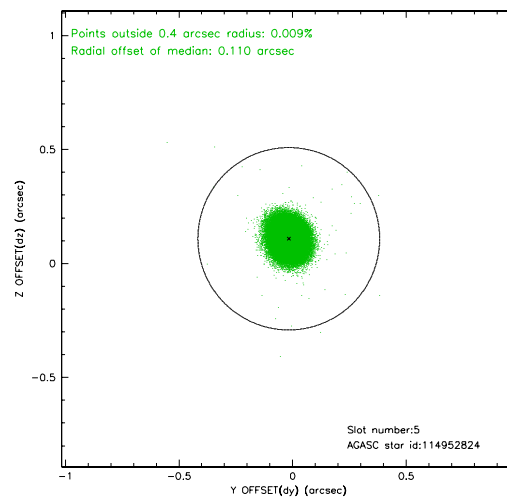
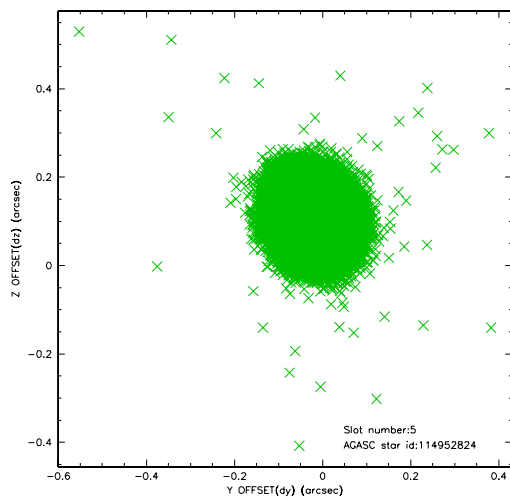
2.4.1 Slot 3



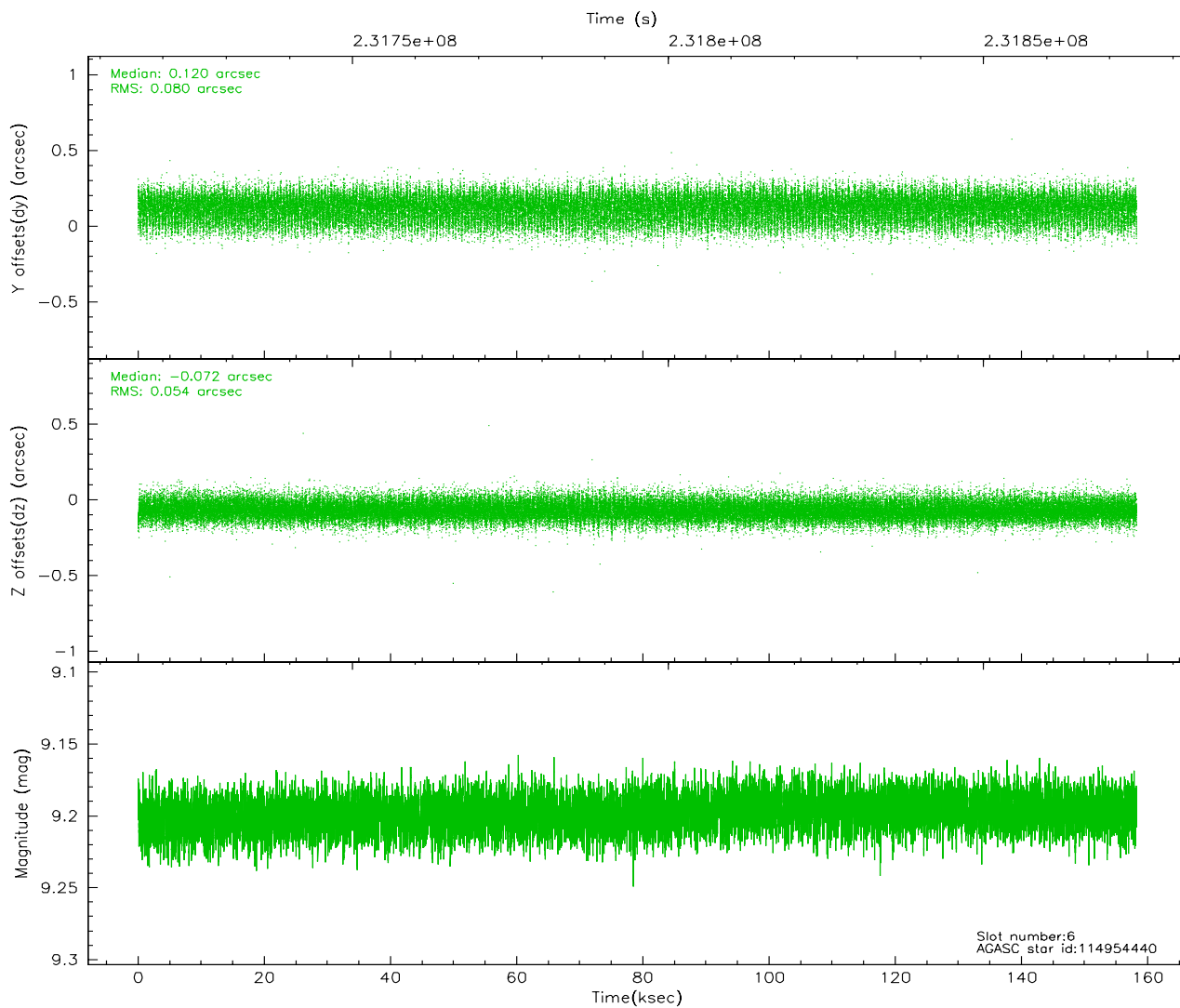
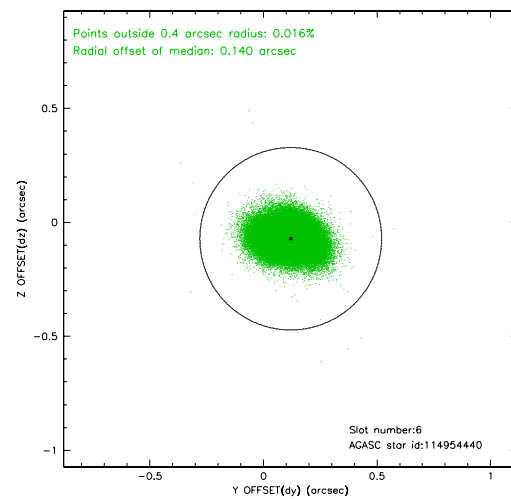
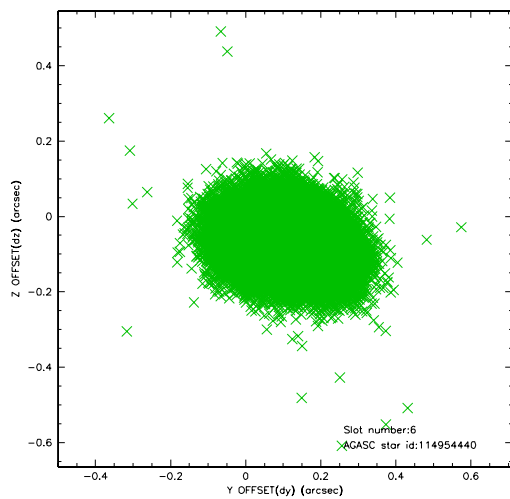
2.4.2 Slot 4



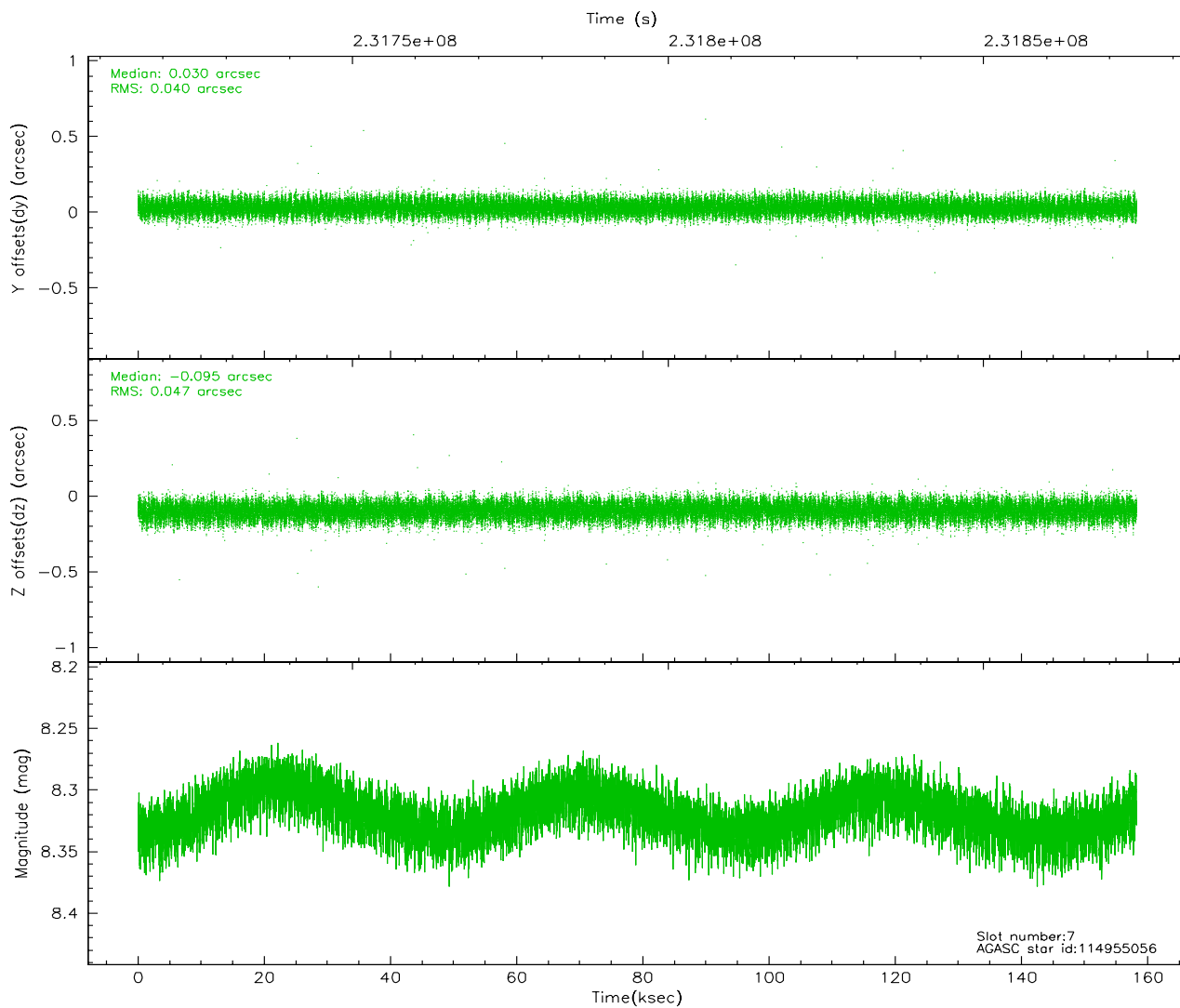
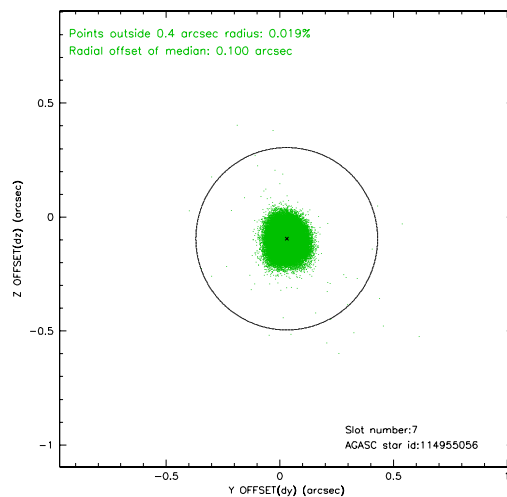
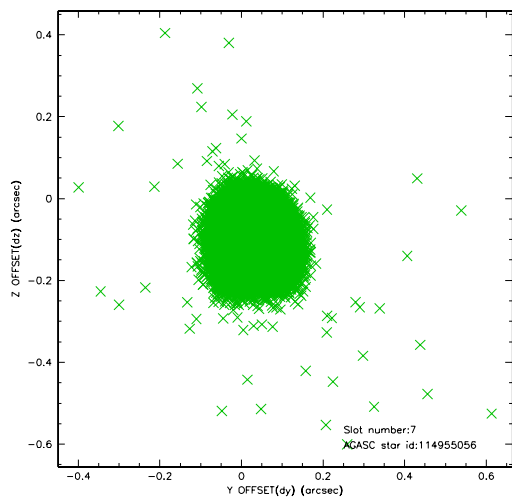
2.4.3 Slot 5



2.4.4 Slot 6

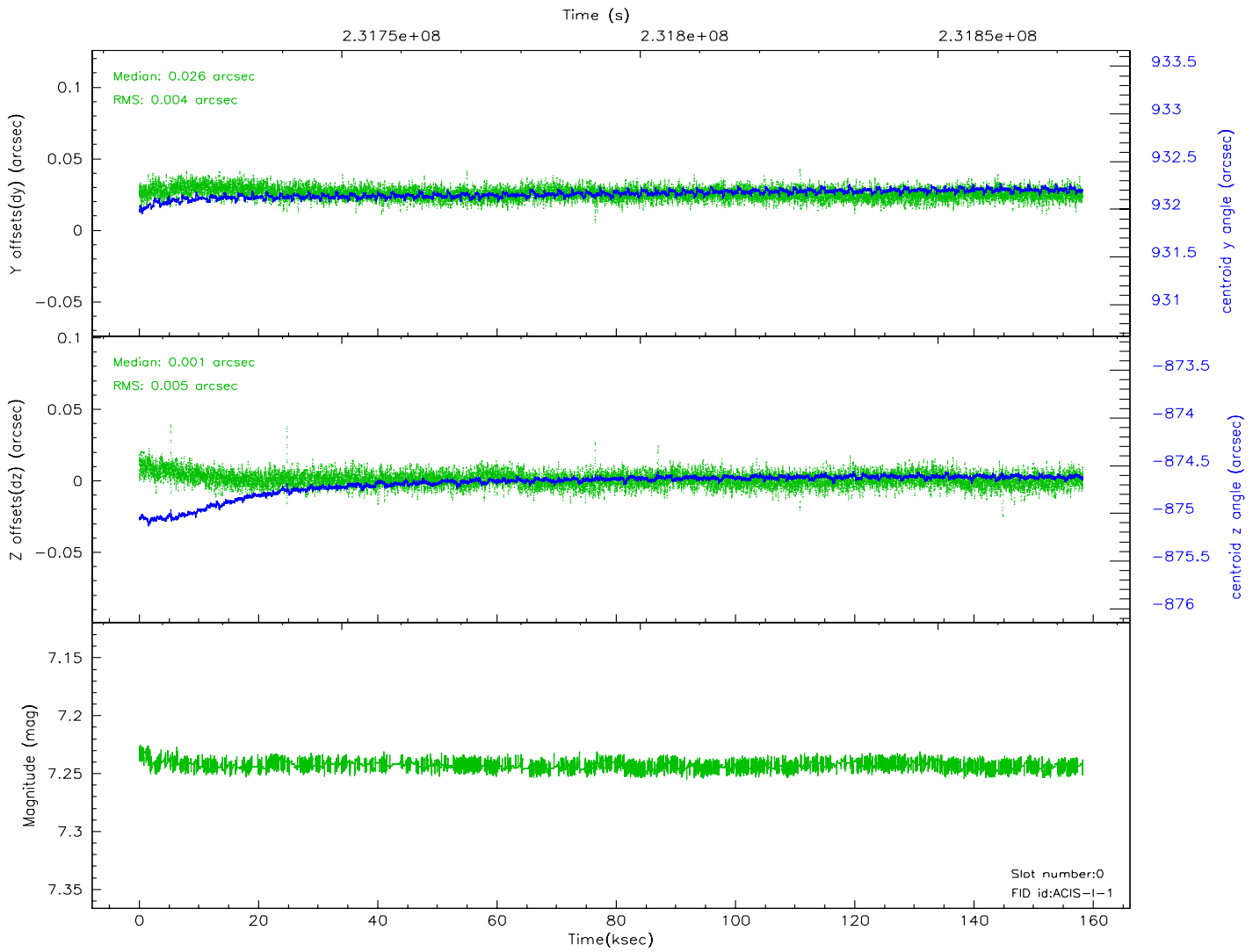
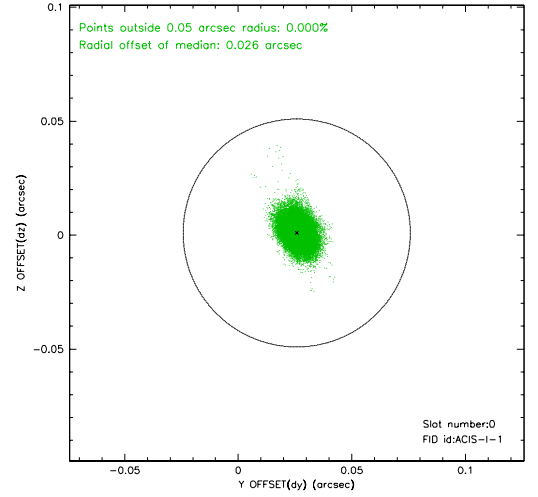
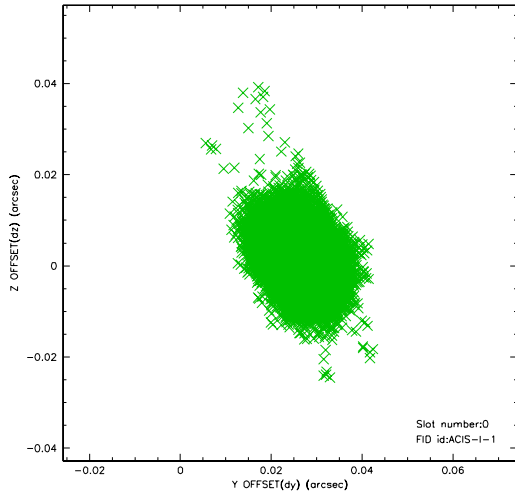


2.4.5 Slot 7

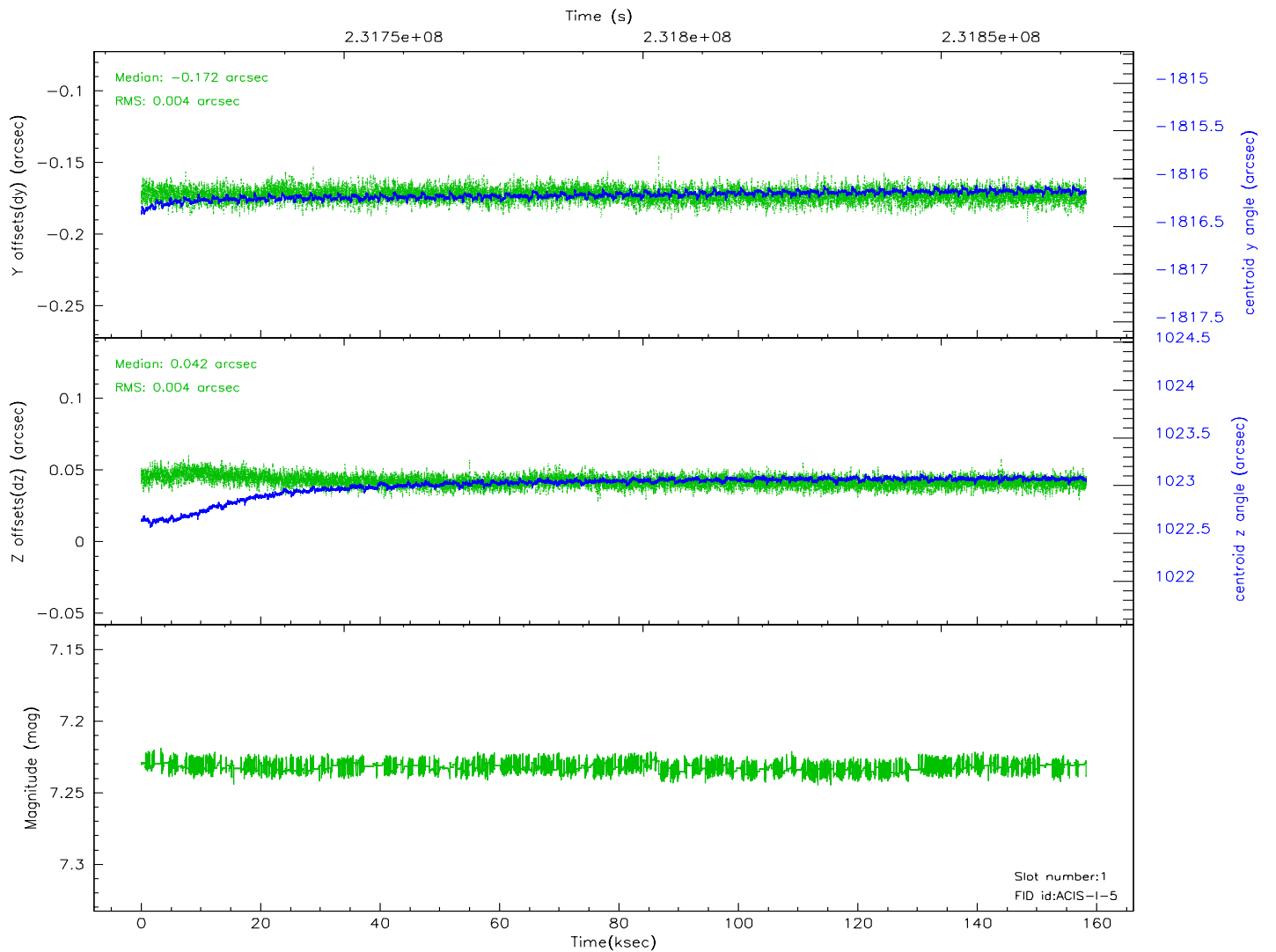
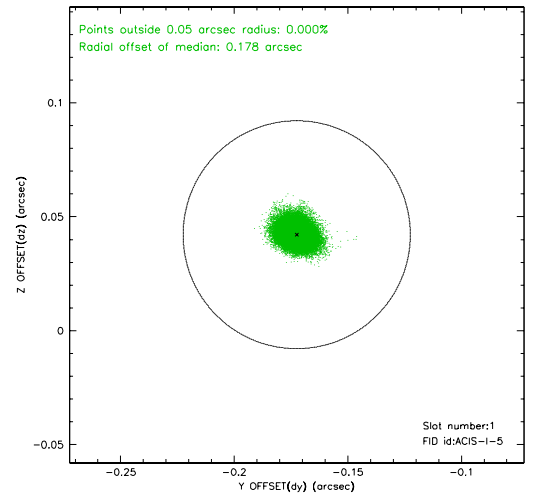
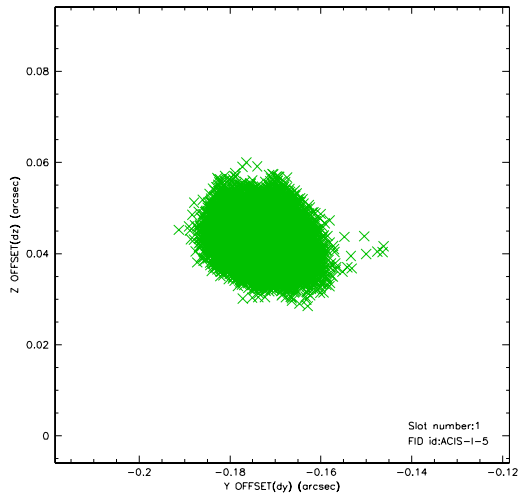


2.5 FID Slots

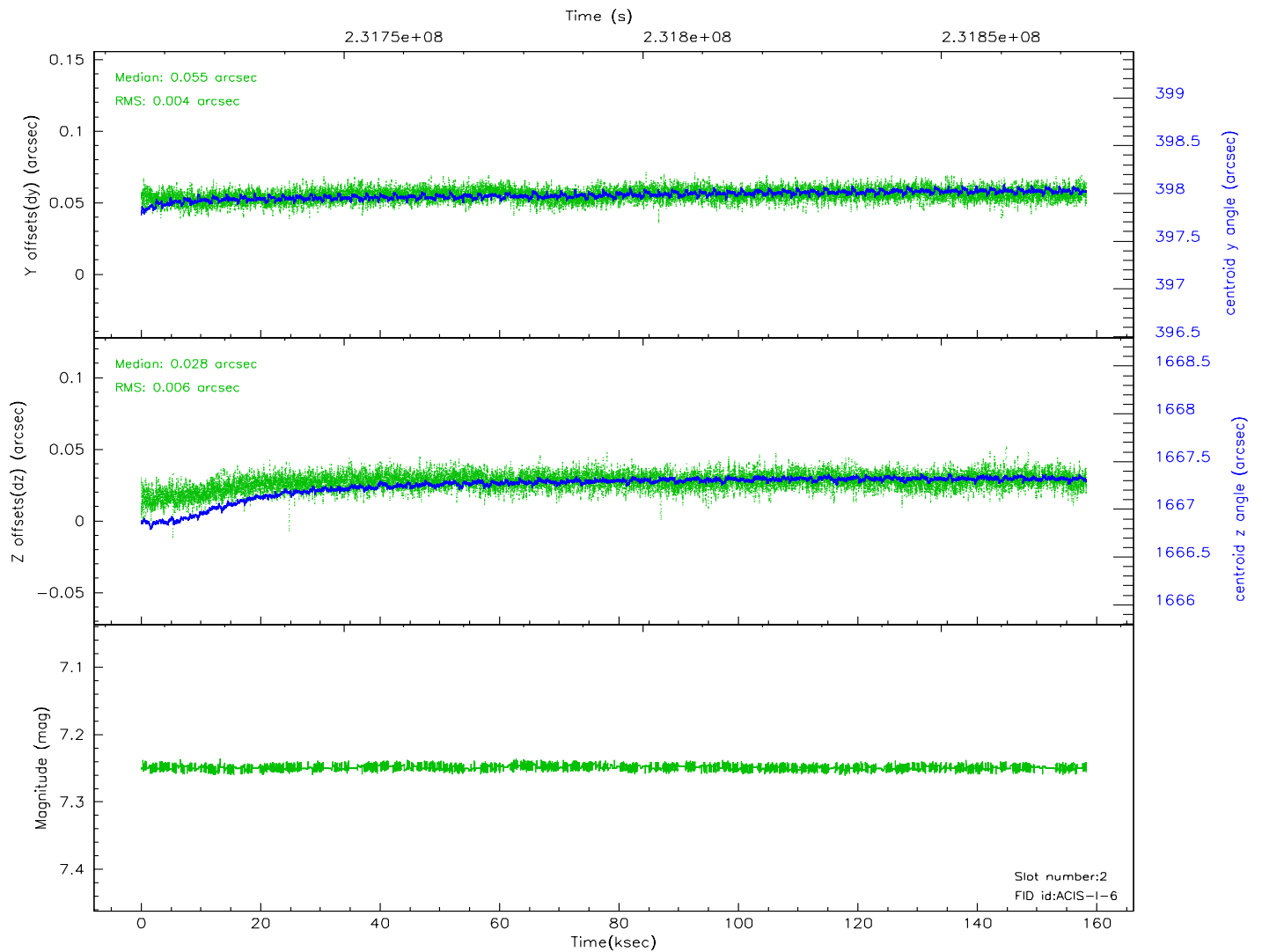
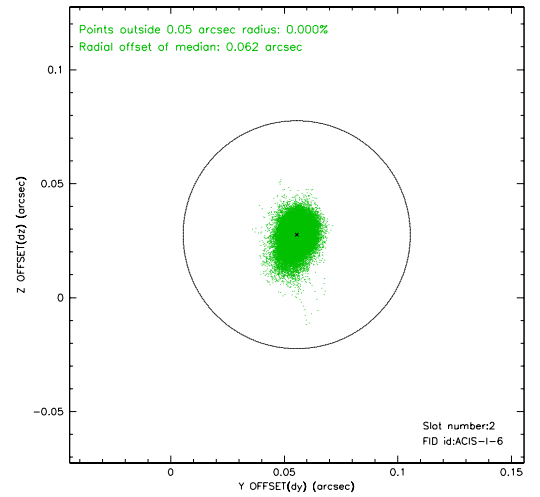
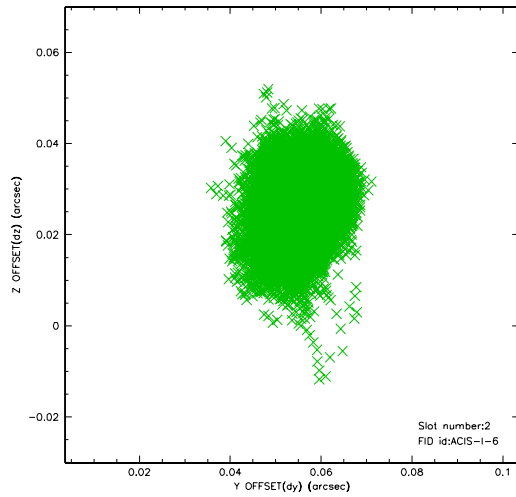
2.5.1 Slot 0



2.5.2 Slot 1

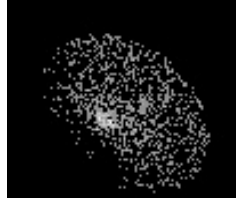


2.5.3 Slot 2



3 Point Sources

10.73 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	158.2702

A.2 Comments