

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3533 - L2 Version 001
Chandra X-Ray Center

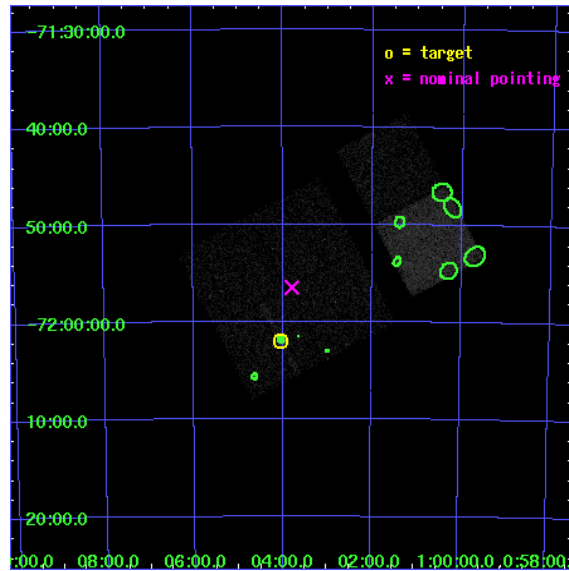
L2 Processing Date : Jul 11 2006

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1 Front

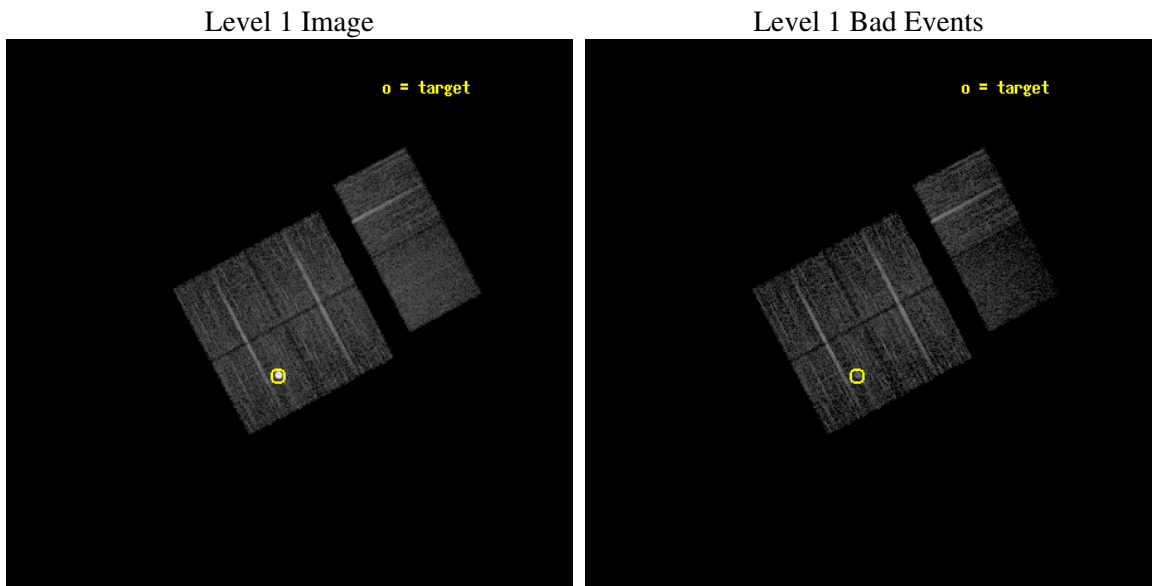
seq_num	590288
obs_id	3533
title	AO4B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72[I1,-120,-4.0,-3.68,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.948101318769
dec_nom	-71.94146448132
roll_nom	62.09871473386
revision	2
ontime	7756.7999711037
livetime	7658.5786992854
ontime0	7756.7999711037
ontime1	7756.7999711037
ontime2	7756.7999711037
ontime3	7756.7999711037
ontime6	7756.7999711037
ontime7	7756.7999711037
l2events	54770



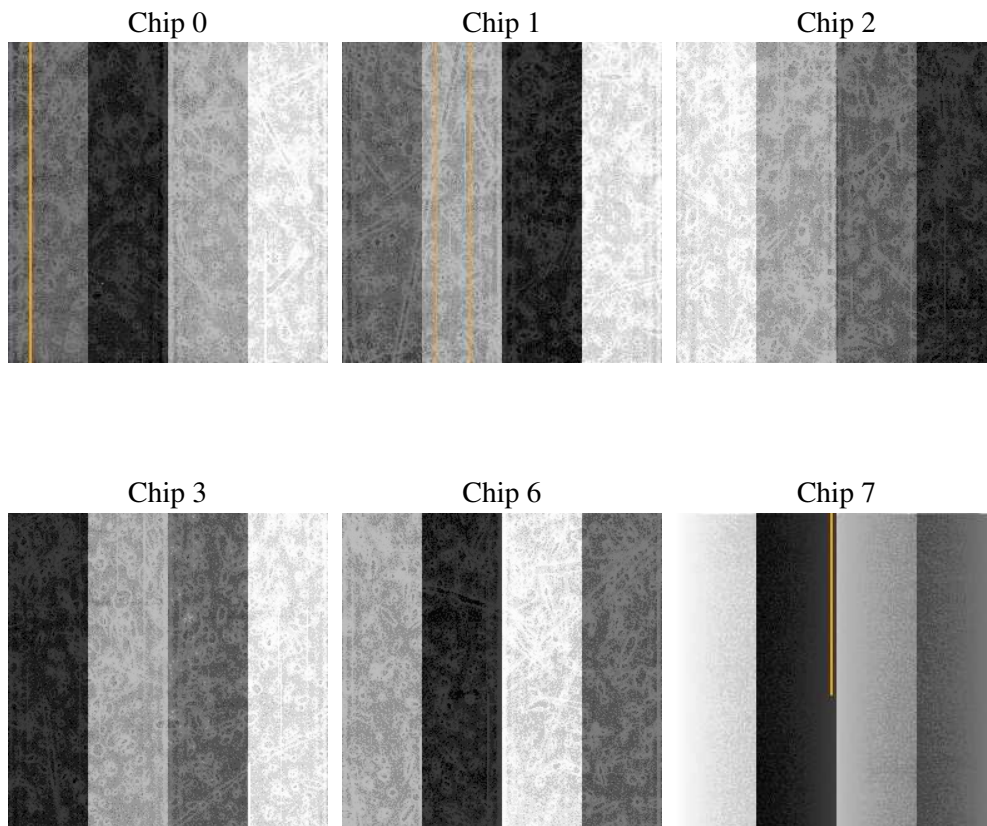
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-11T03:22:55
revision	2

sched_exp_time	8000.000000
ontime	7762.2055015266
ontime0	7762.2055214047
ontime1	7762.2055015266
ontime2	7762.2055214047
ontime3	7762.2054816186
ontime6	7762.2055014968
ontime7	7762.2055015266
l1events	243321

2.1.4 Events

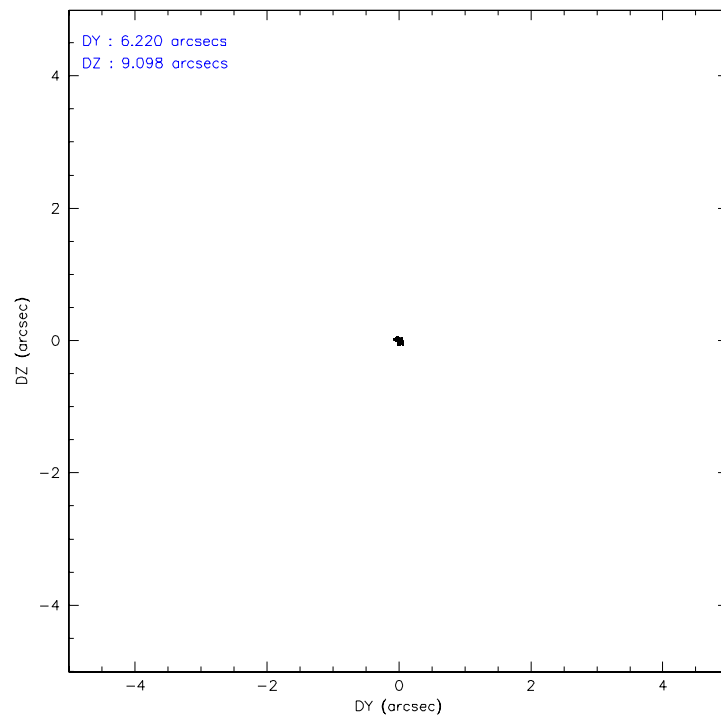
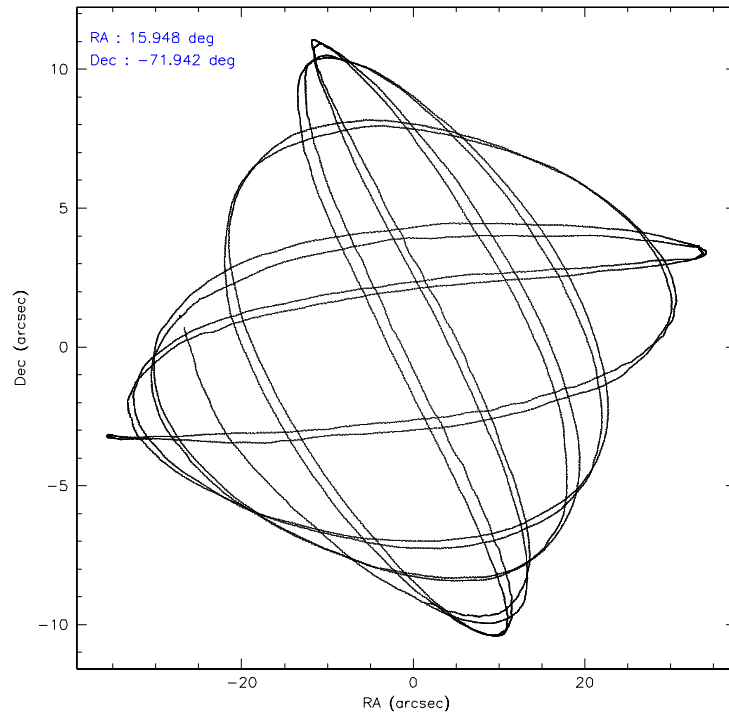
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	34281	60188	38097	37136	38294	35325
rejected events	30552	31929	34359	33480	34319	18911
rejected %	89%	53%	90%	90%	89%	53%

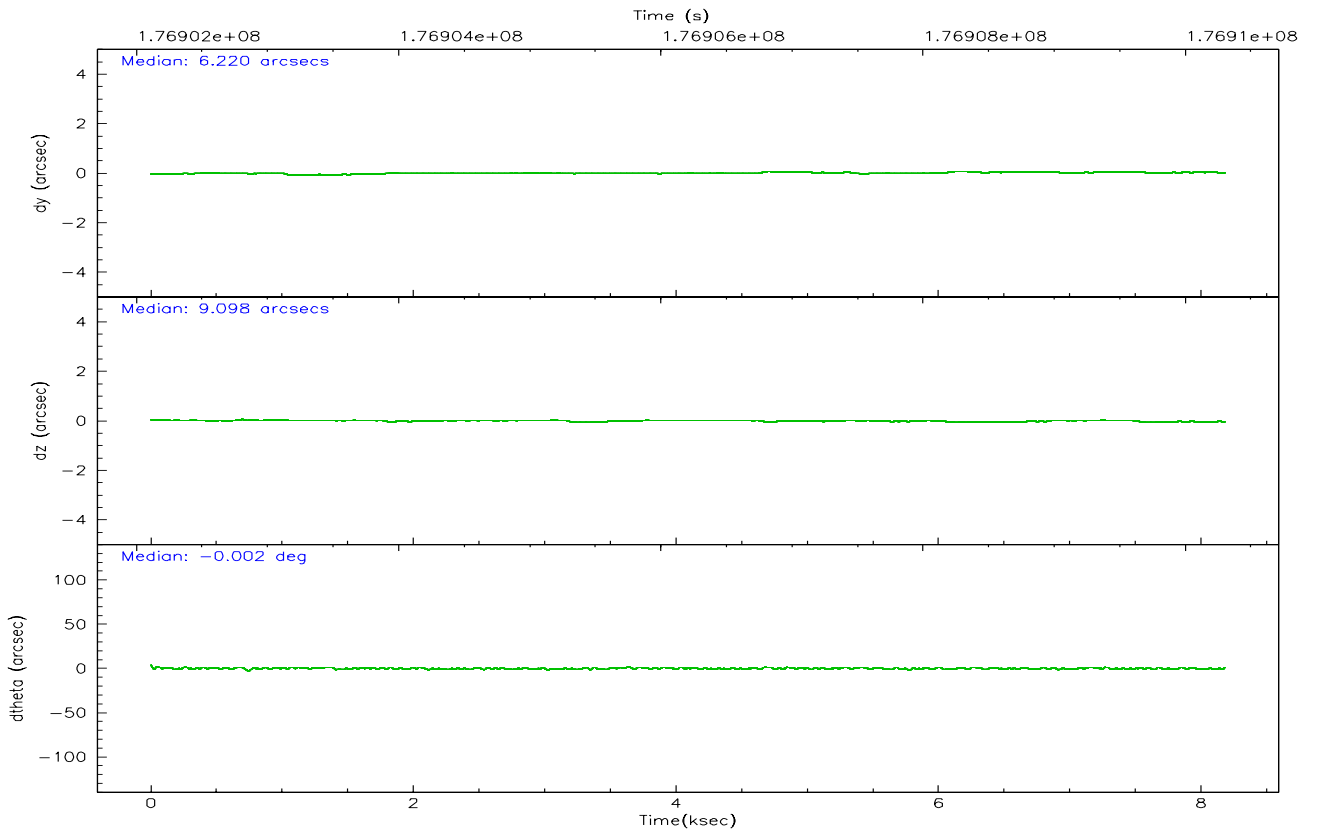
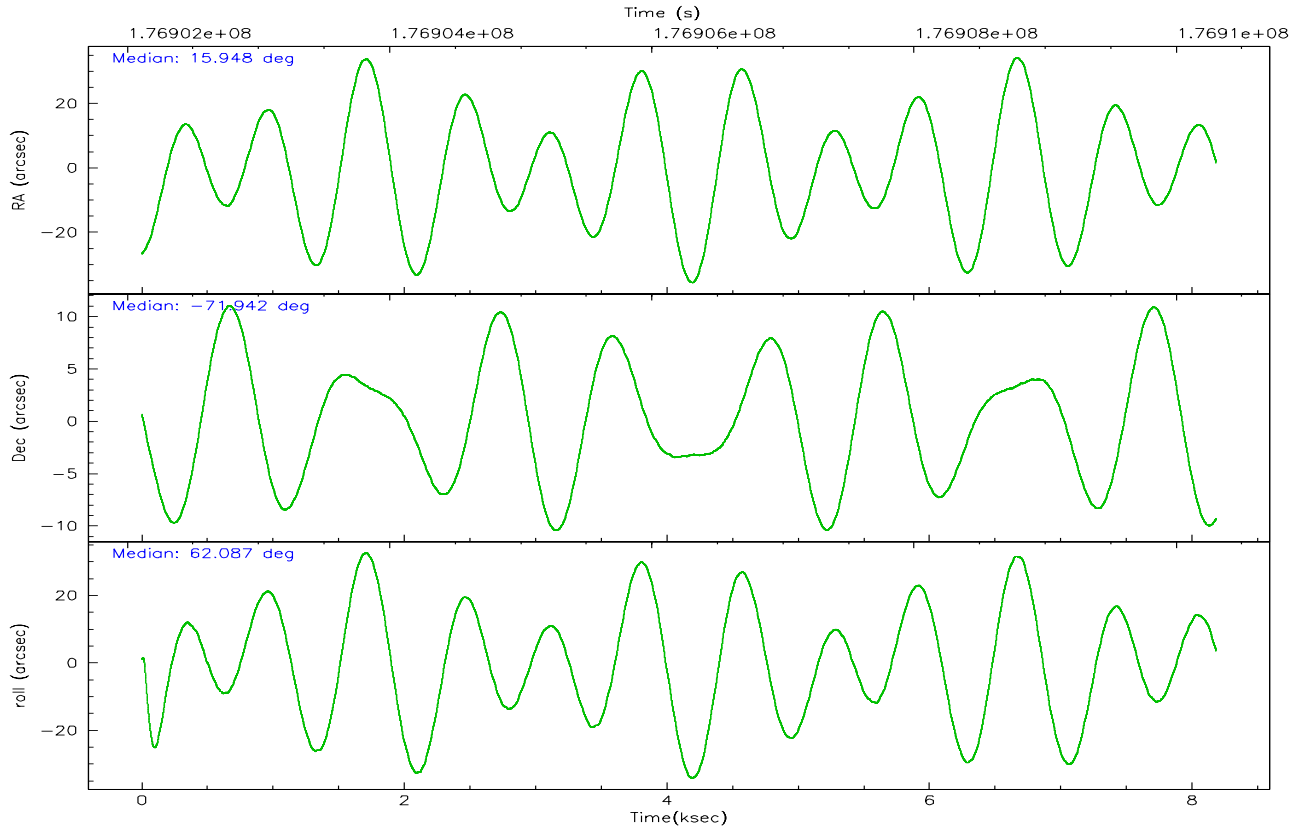
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1349	23162	1464	1413	1427	1305
	3%	38%	3%	3%	3%	3%
grade 1 events	9	210	22	16	15	15
	0%	0%	0%	0%	0%	0%
grade 2 events	859	2555	814	764	874	4261
	2%	4%	2%	2%	2%	12%
grade 3 events	430	821	429	403	449	1099
	1%	1%	1%	1%	1%	3%
grade 4 events	399	836	391	413	449	1019
	1%	1%	1%	1%	1%	2%
grade 5 events	1076	1252	1023	1279	1219	2837
	3%	2%	2%	3%	3%	8%
grade 6 events	695	903	640	667	782	8756
	2%	1%	1%	1%	2%	24%
grade 7 events	29464	30449	33314	32181	33079	16033
	85%	50%	87%	86%	86%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	15.951689	15.94810131876933	Alternating exposures requested	N	N
Pointing Dec	-71.968757	-71.94146448131953	Primary exposure time	0.000000	3.2
Pointing Roll	61.893440	62.09871473385976			
Window start time	174614464.184000	174614464.184000			
Window stop time	177292864.184000	177292864.184000			
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	176902295.184000	176901919.41345			
Observation start date	2003-08-10T11:30:31	2003-08-10T11:25:19			
Observation end time	176910295.184000	176910429.98881			
Observation end date	2003-08-10T13:43:51	2003-08-10T13:47:09			
Read mode	TIMED	TIMED			

2.3 Aspect



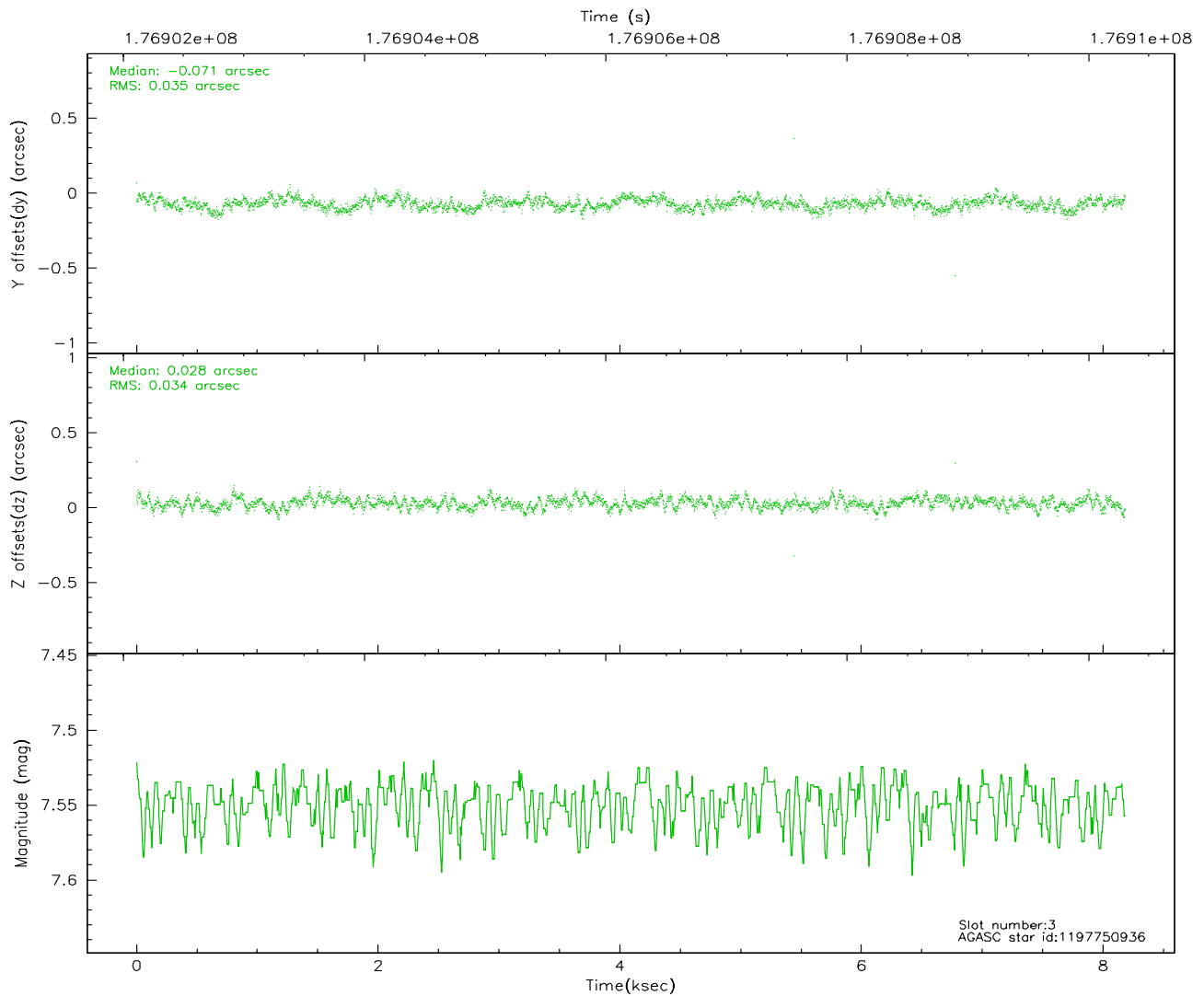
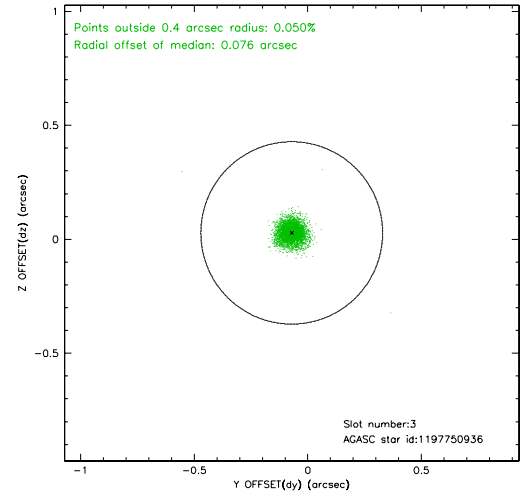
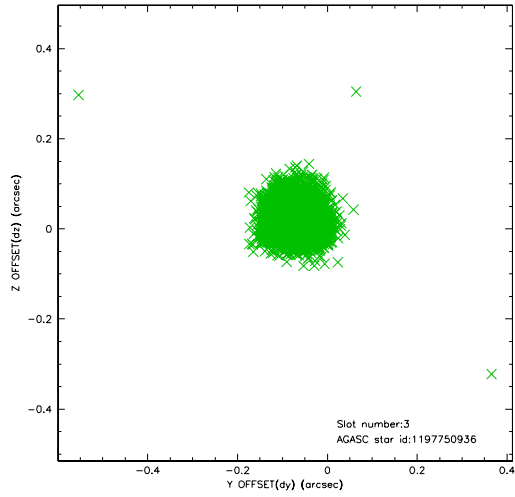


Slot Statistics

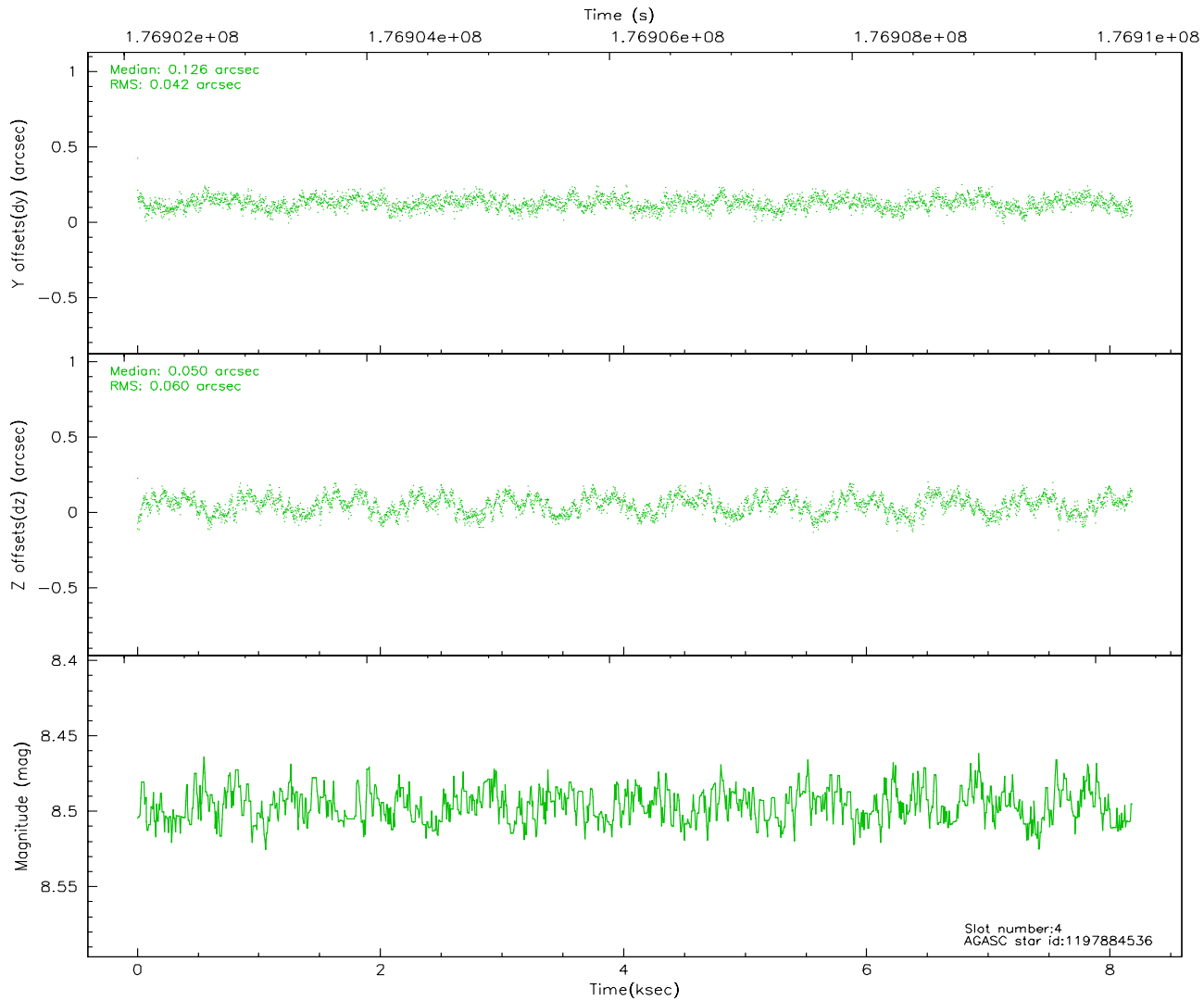
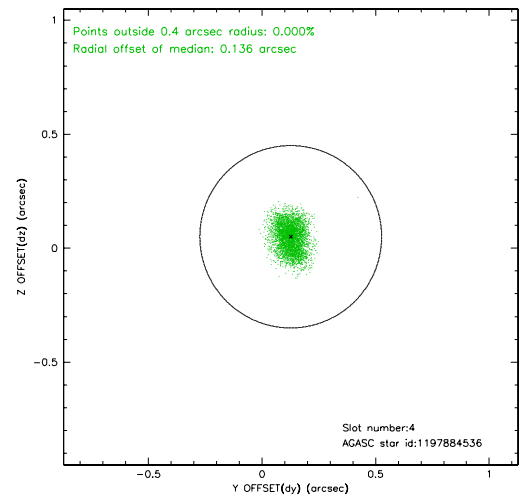
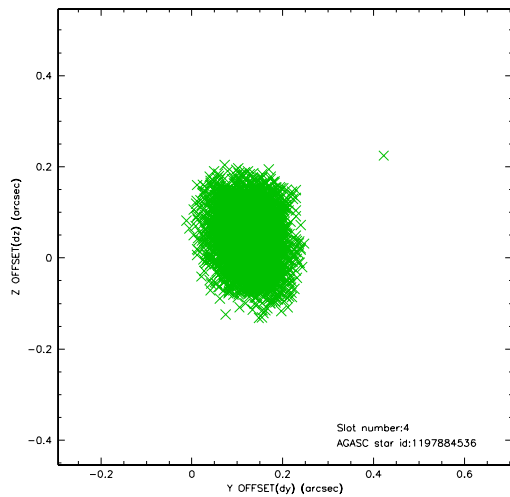
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.13	1994	-0.042	-0.042	0.009	0.015	0.000000	0.000000	-760.73	-838.95
1	FID	ACIS-I-4	7.18	1995	0.063	0.043	0.005	0.010	0.000000	0.000000	2153.12	1066.97
2	FID	ACIS-I-5	7.22	1996	-0.122	0.068	0.008	0.014	0.000000	0.000000	-1813.76	1065.62
3	GUIDE	1197750936	7.55	3993	-0.071	0.028	0.051	0.082	15.387940	-71.549550	1025.89	1276.50
4	GUIDE	1197884536	8.50	3992	0.126	0.050	0.079	0.122	17.160729	-71.835289	1052.00	-976.04
5	GUIDE	1197884712	8.30	3993	0.042	0.029	0.057	0.093	16.087398	-72.252690	-830.81	-613.15
6	GUIDE	1197885104	9.35	3992	-0.072	0.058	0.103	0.168	17.845067	-72.189368	252.89	-2228.09
7	GUIDE	1197885328	7.22	3992	-0.023	-0.161	0.056	0.087	16.283090	-71.733943	921.64	67.39

2.4 Star Slots

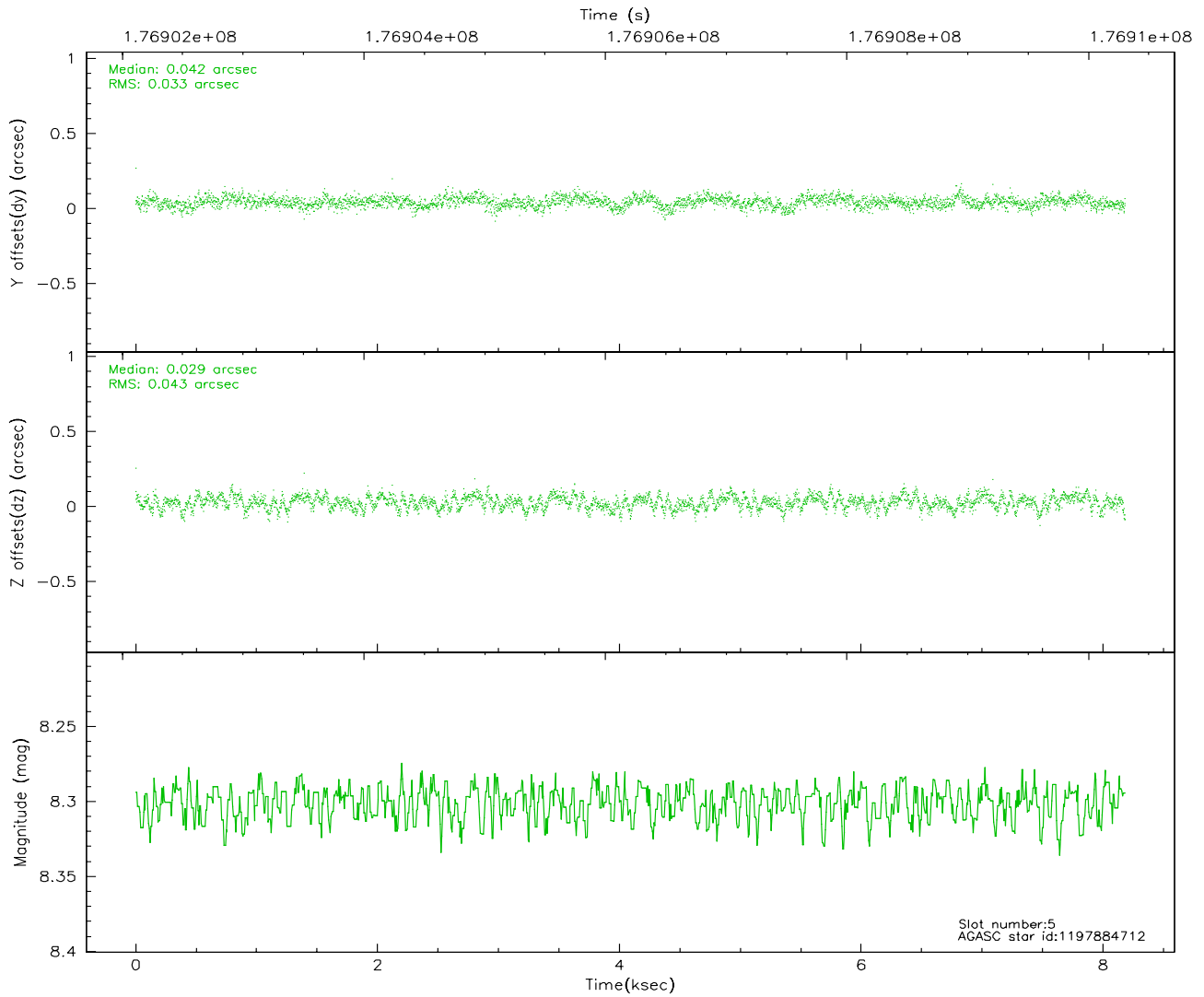
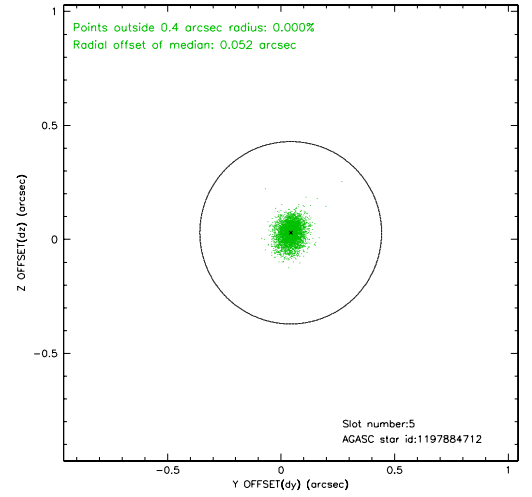
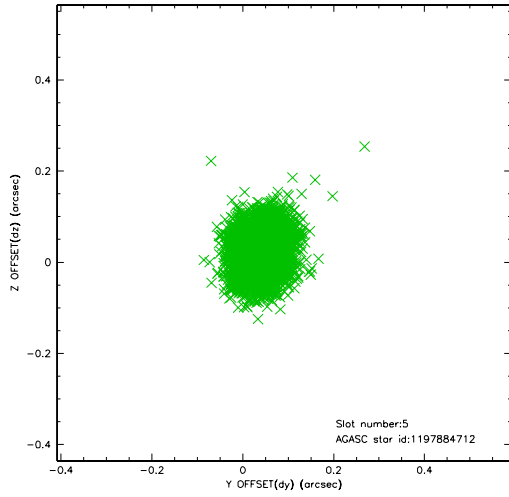
2.4.1 Slot 3



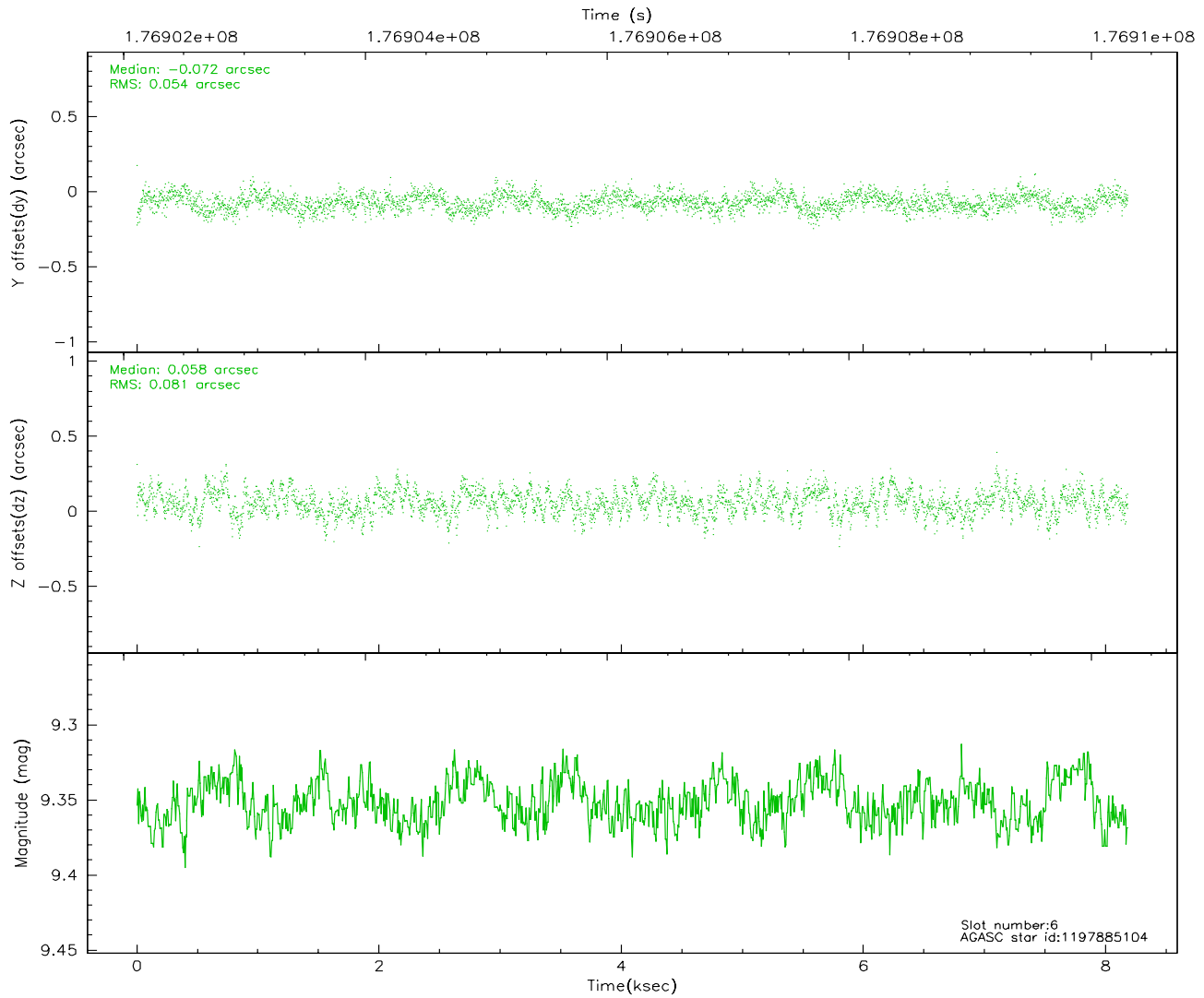
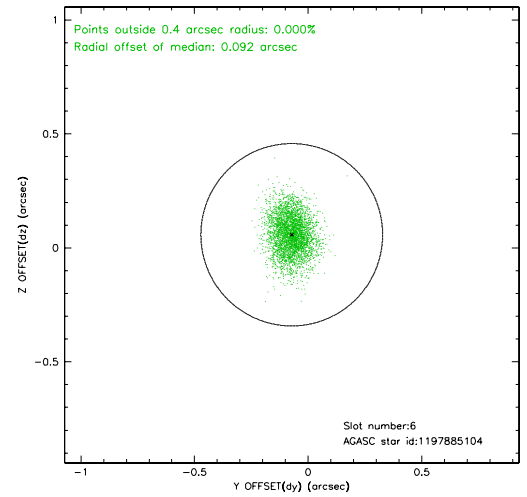
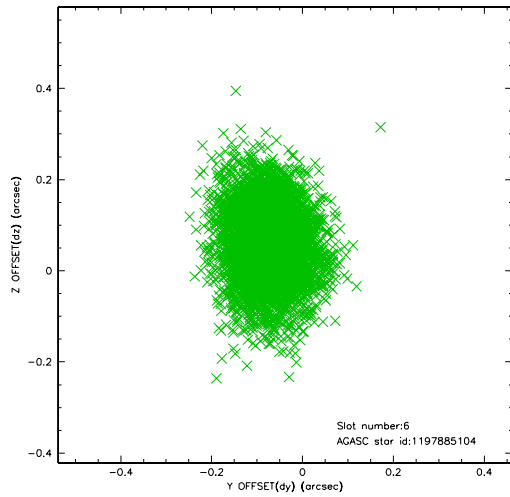
2.4.2 Slot 4



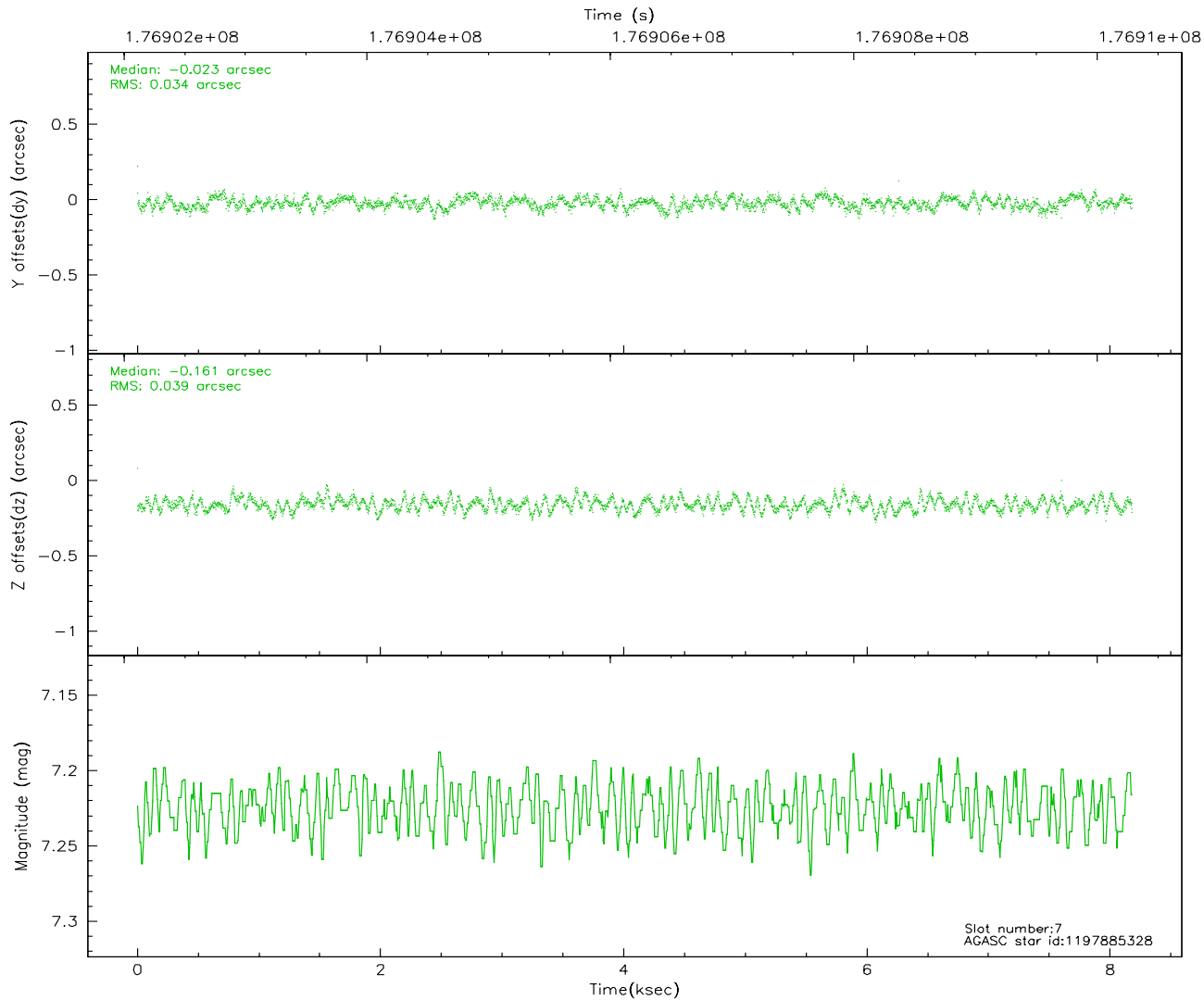
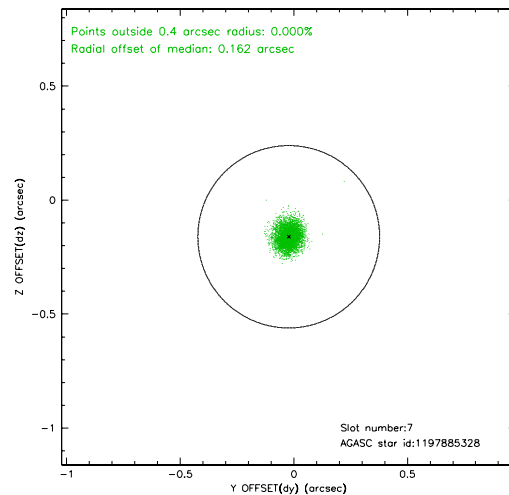
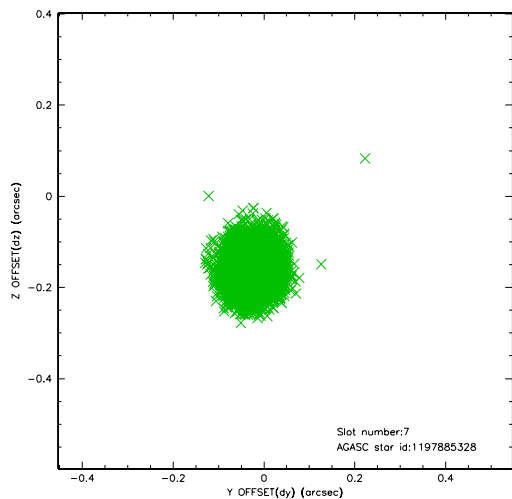
2.4.3 Slot 5



2.4.4 Slot 6

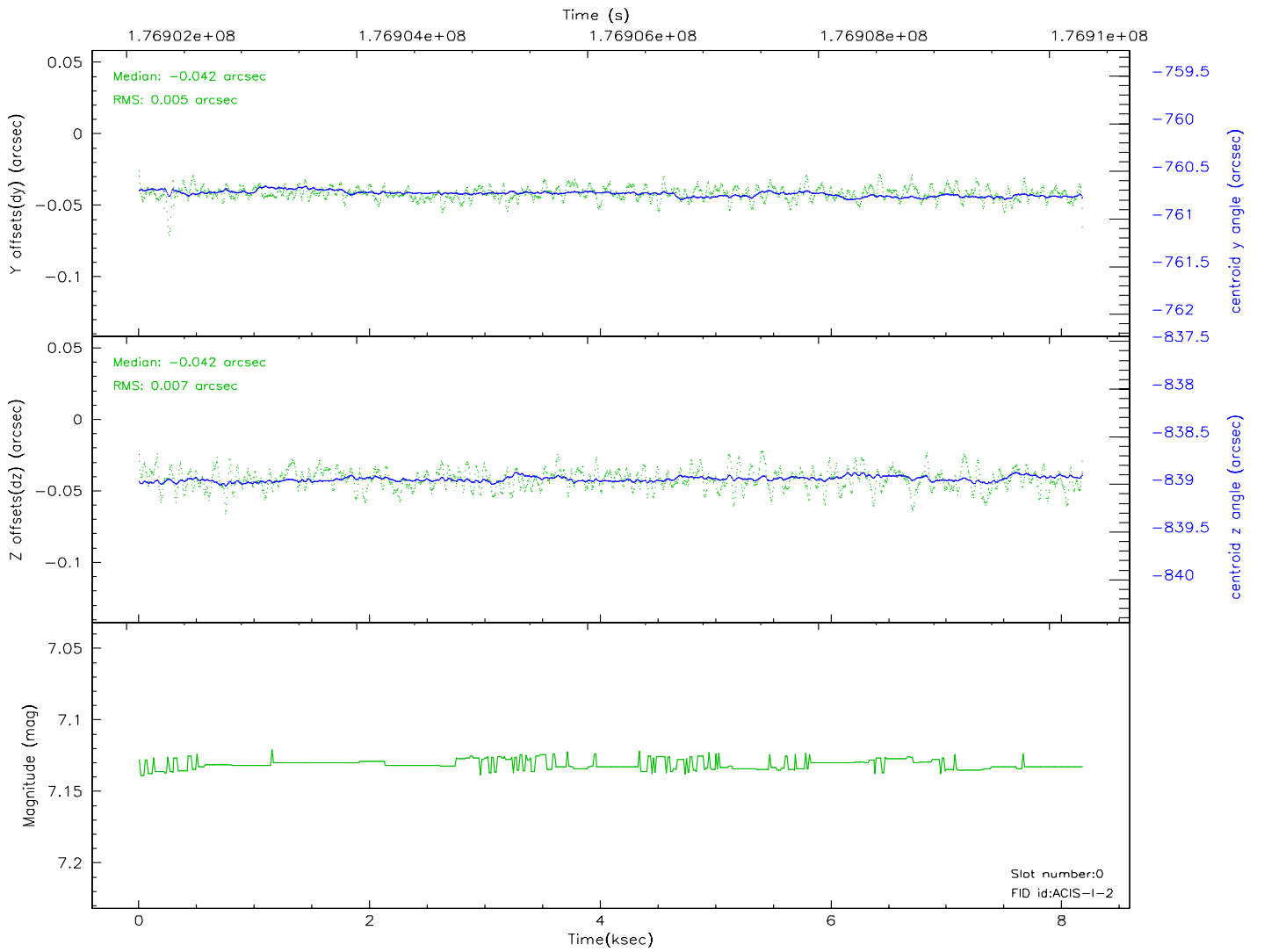
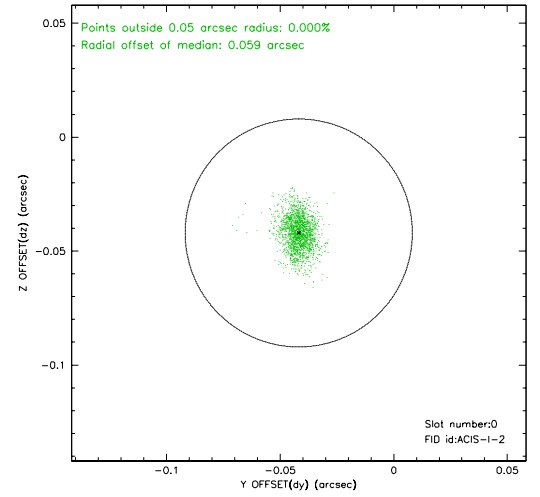
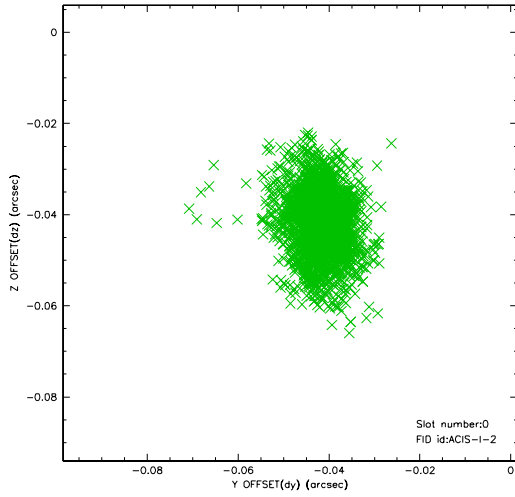


2.4.5 Slot 7

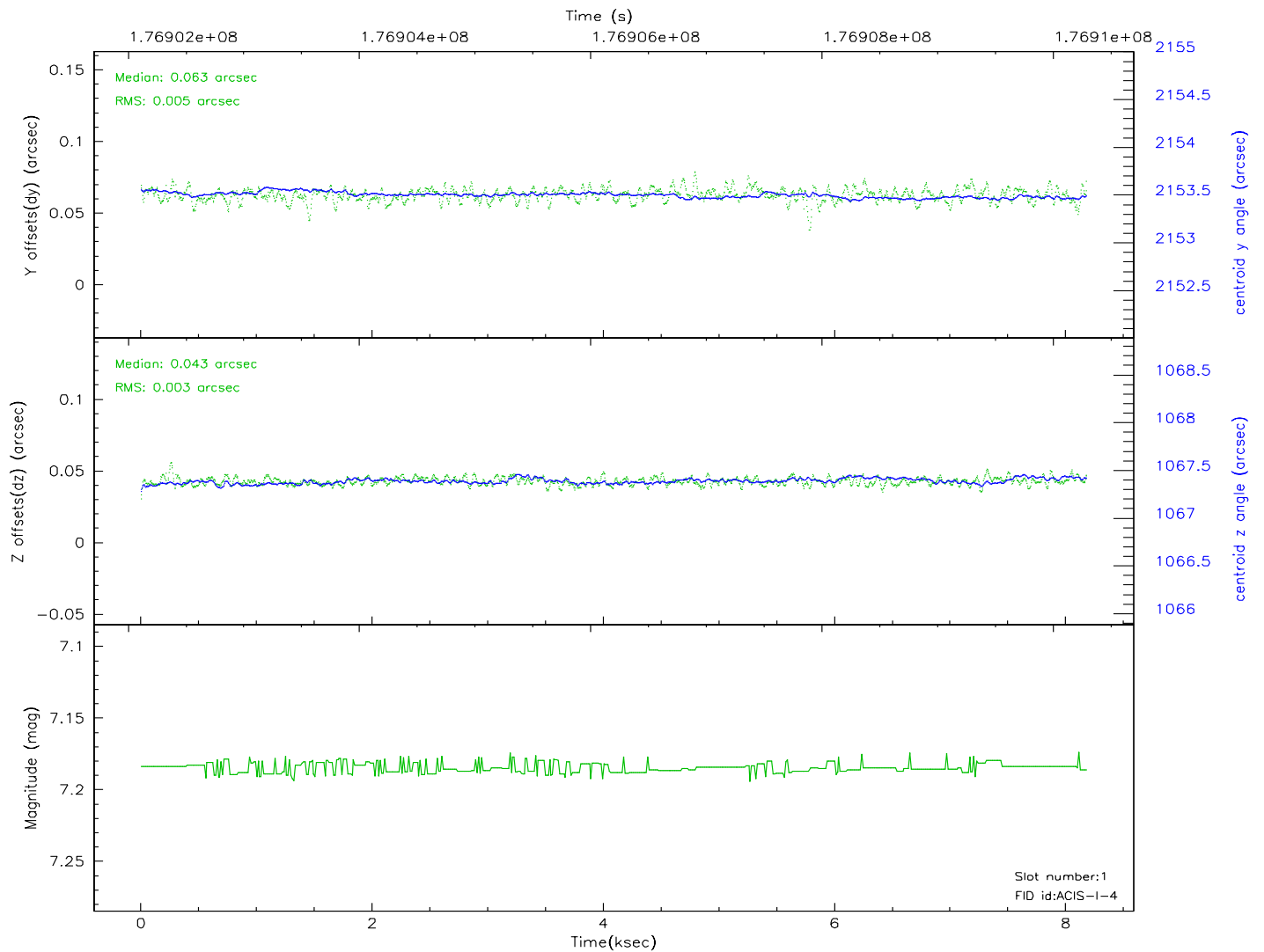
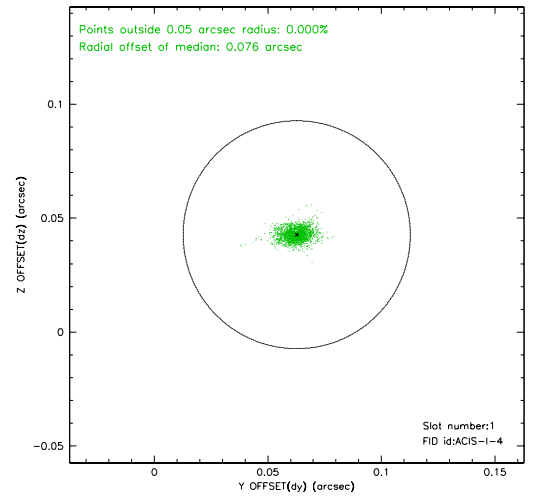
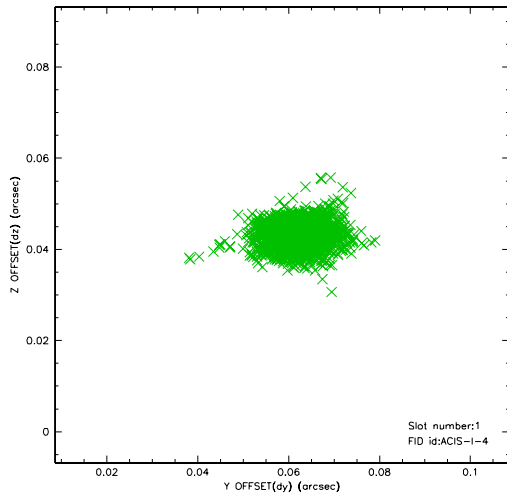


2.5 FID Slots

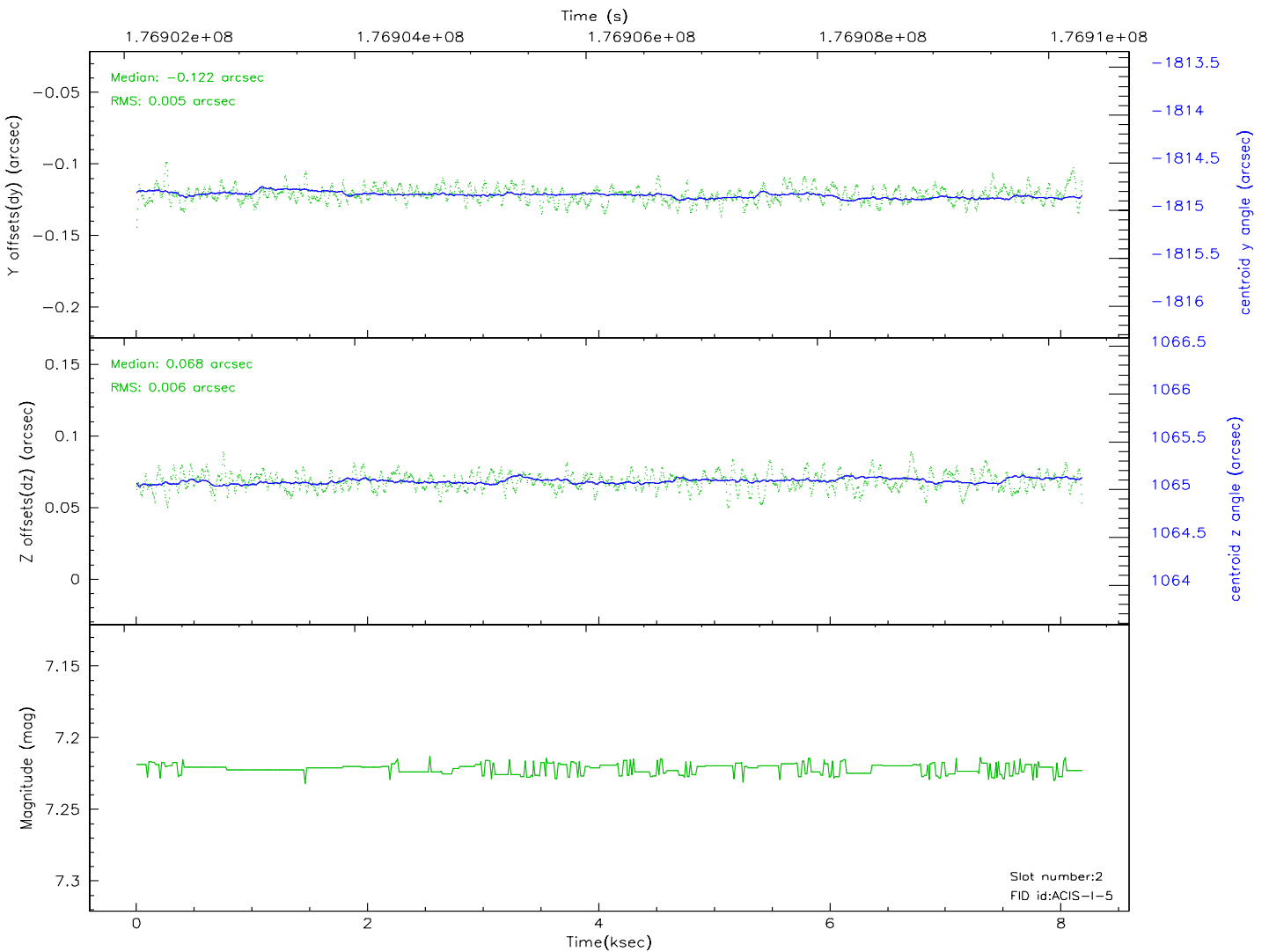
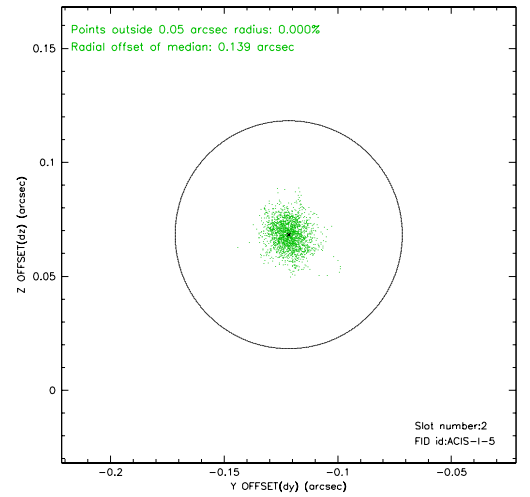
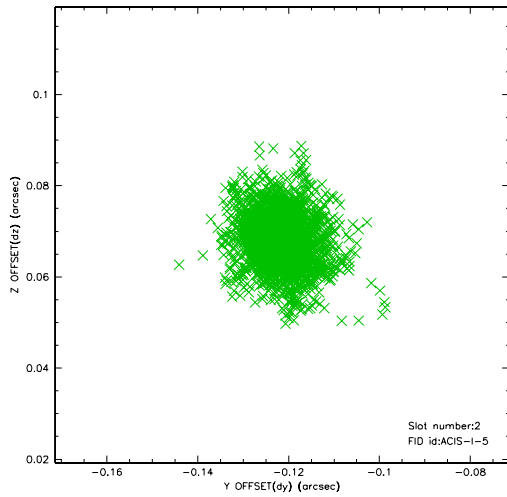
2.5.1 Slot 0



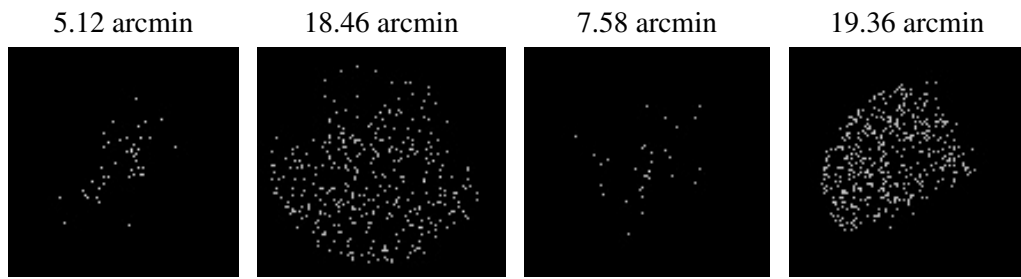
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.759

A.2 Comments

Window constraint satisfied.