

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5943 - L2 Version 002
Chandra X-Ray Center

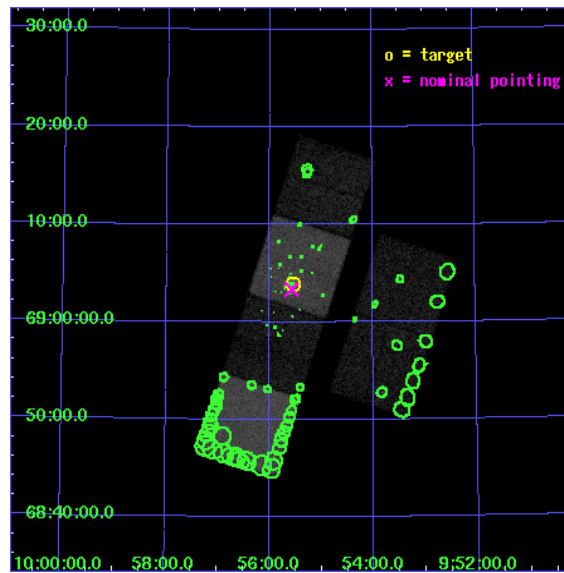
L2 Processing Date : Mar 10 2006

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1 Front

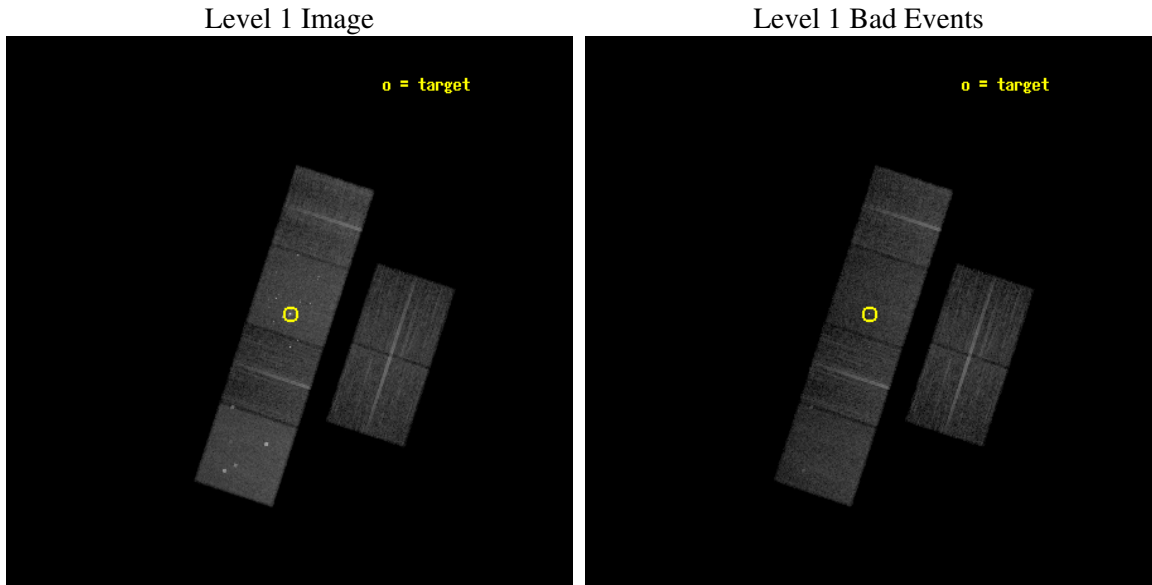
seq_num	600462
obs_id	5943
title	An Unprecedented View of a Galaxy's Dynamic X-ray Source Population
observer	Dr. David Pooley
object	M81
dtcycle	0
cycle	P
ra_targ	148.888333
dec_targ	69.065306
ra_nom	148.89216993771
dec_nom	69.055723833645
roll_nom	288.10166506463
revision	2
ontime	12166.399954677
livetime	12012.341672724
ontime2	12166.399954677
ontime3	12166.399954677
ontime5	12166.399954677
ontime6	12166.399954677
ontime7	12166.399954677
ontime8	12166.399954677
l2events	154087



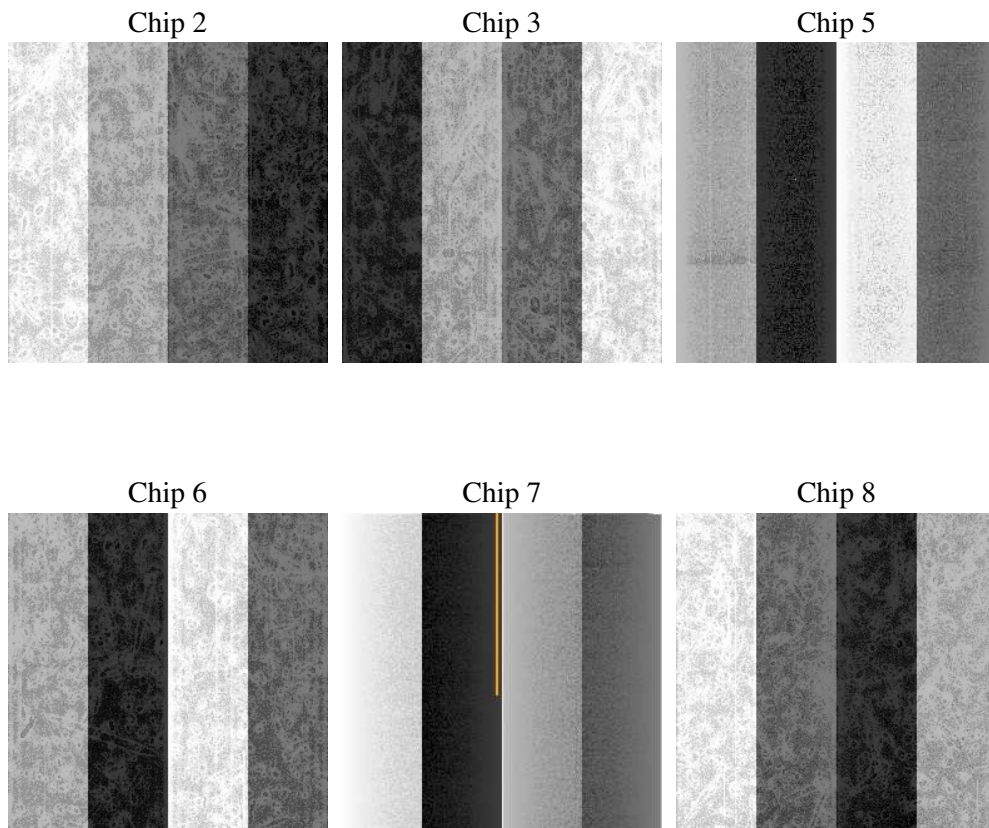
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-10T15:22:09
revision	2

sched_exp_time	12000.000000
ontime	12267.202030152
ontime2	12267.202030152
ontime3	12267.202030152
ontime5	12267.20205006
ontime6	12267.202030152
ontime7	12267.202030152
ontime8	12267.202030152
l1events	677599

2.1.4 Events

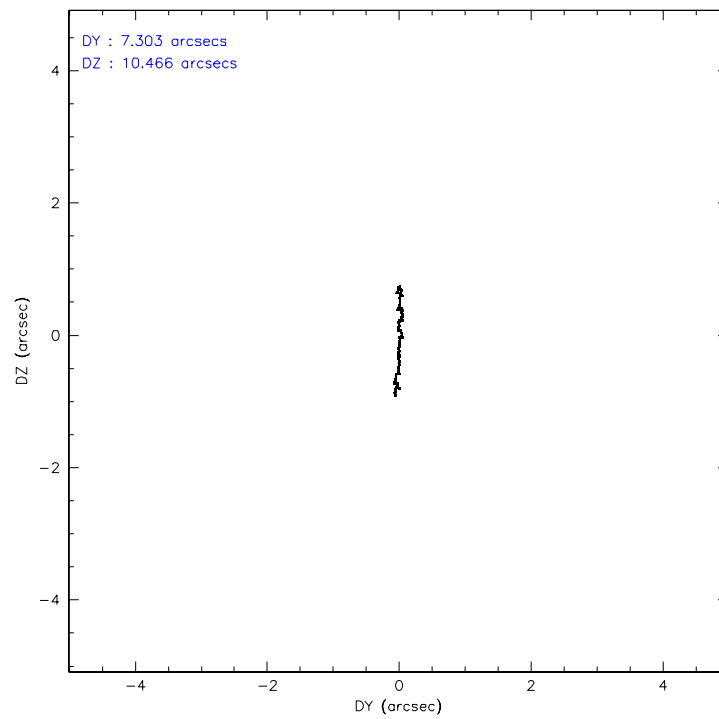
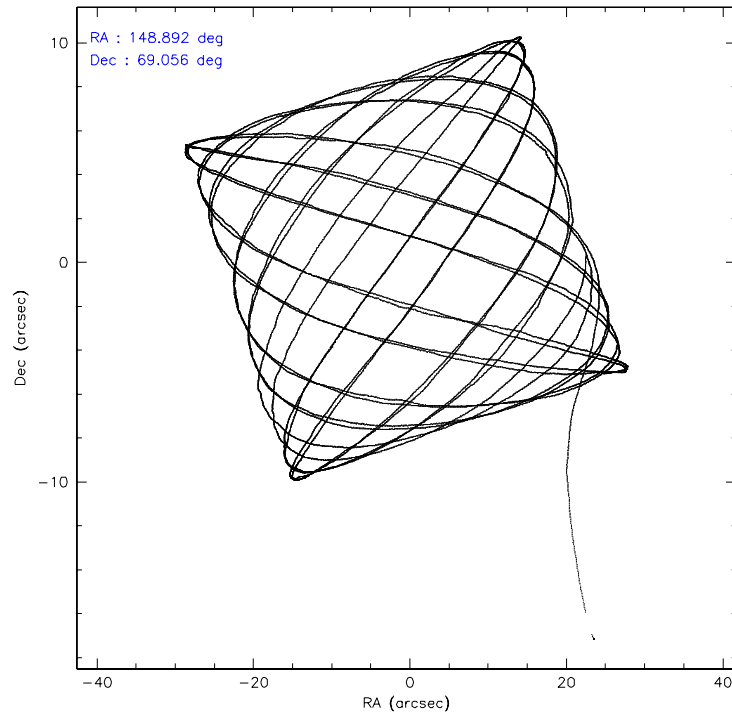
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	94209	91825	141496	94417	138084	117568
rejected events	82782	81285	78255	81268	81595	90891
rejected %	87%	88%	55%	86%	59%	77%

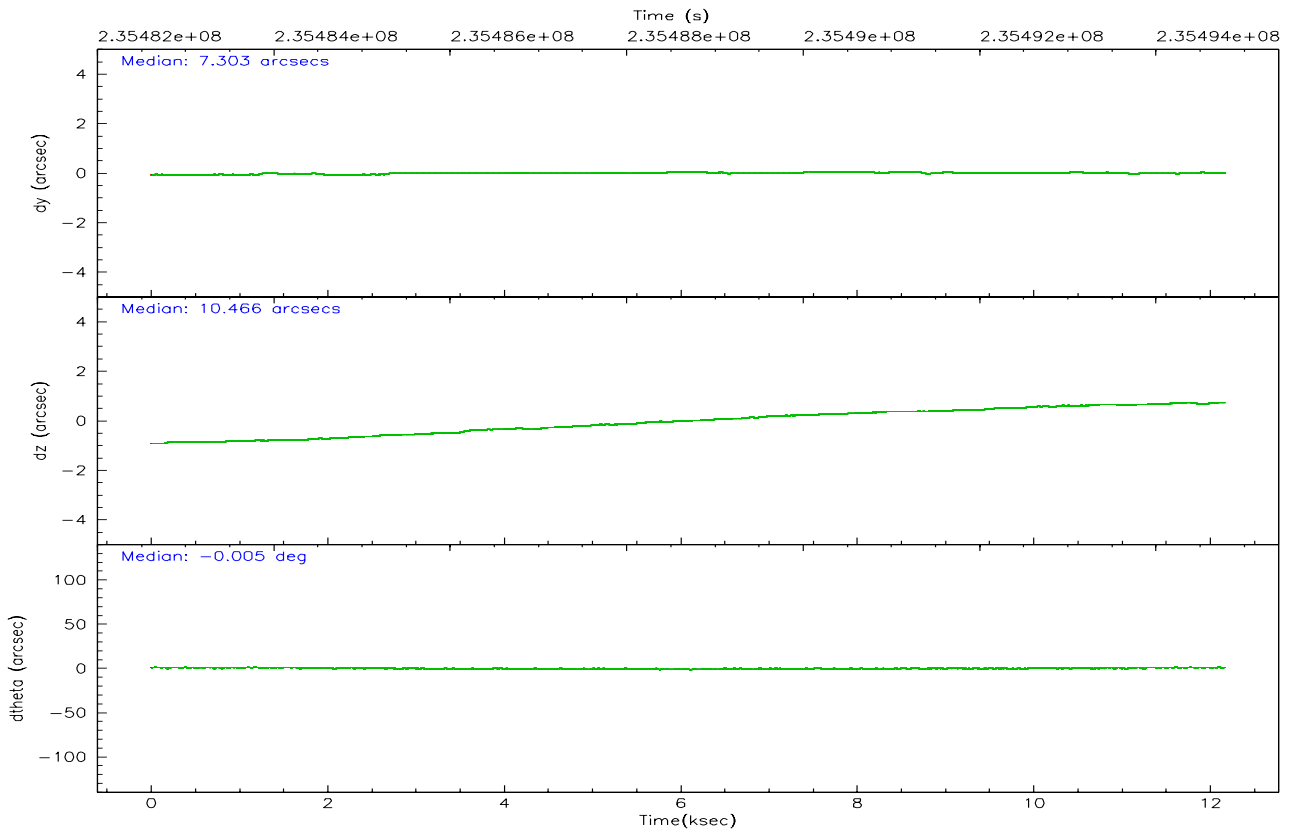
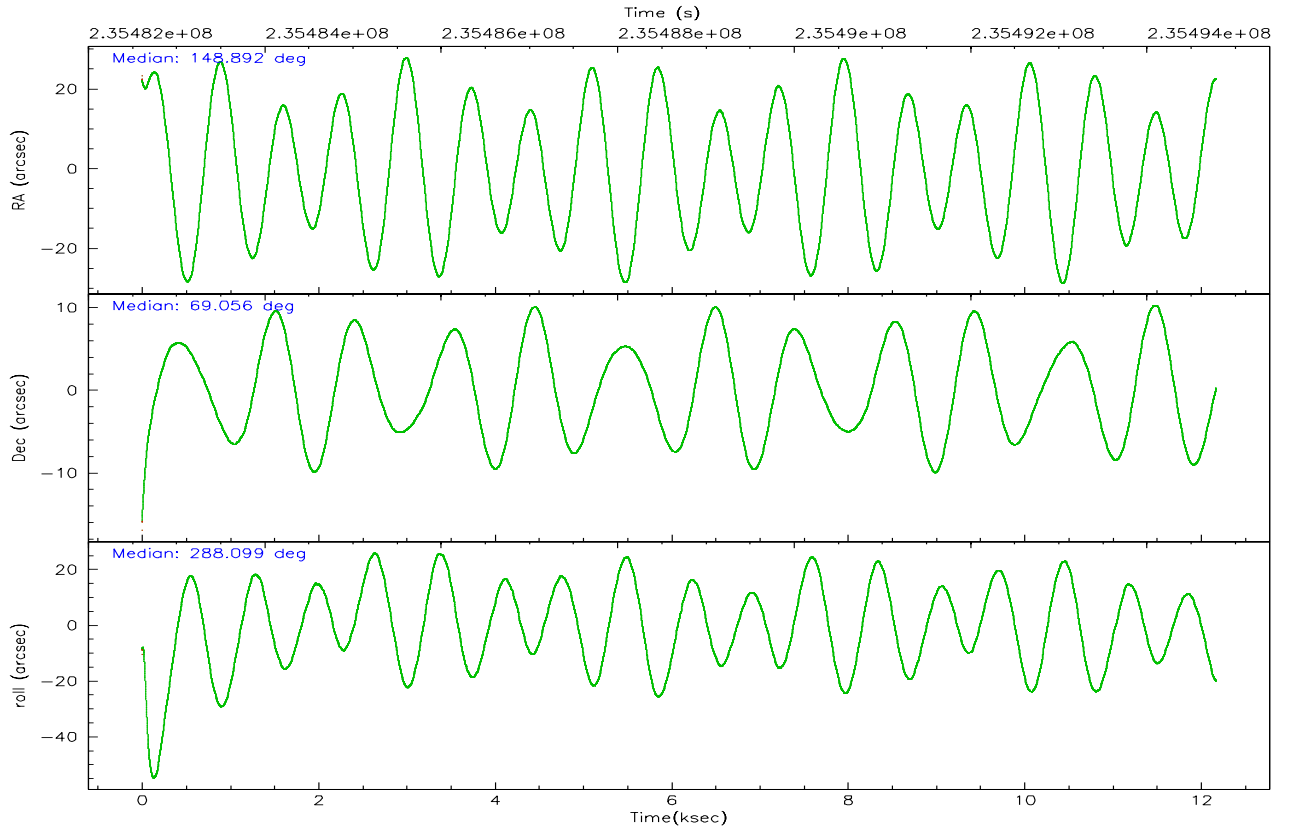
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5131	4639	6872	6100	4811	8550
	5%	5%	4%	6%	3%	7%
grade 1 events	57	59	312	86	161	87
	0%	0%	0%	0%	0%	0%
grade 2 events	2320	2029	19289	2556	14428	5858
	2%	2%	13%	2%	10%	4%
grade 3 events	1045	992	1330	1137	3182	2928
	1%	1%	0%	1%	2%	2%
grade 4 events	1057	1036	1370	1180	3096	2621
	1%	1%	0%	1%	2%	2%
grade 5 events	3736	4104	6633	4457	8509	5805
	3%	4%	4%	4%	6%	4%
grade 6 events	1977	1952	34939	2279	31419	6940
	2%	2%	24%	2%	22%	5%
grade 7 events	78886	77014	70751	76622	72478	84779
	83%	83%	50%	81%	52%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	148.834673	148.8921699377062	Alternating exposures requested	N	N
Pointing Dec	69.073618	69.05572383364503	Primary exposure time	0.000000	3.2
Pointing Roll	287.998695	288.1016650646349			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	235482778.184000	235481664.21005			
Observation start date	2005-06-18T11:51:54	2005-06-18T11:34:24			
Observation end time	235494778.184000	235495750.78569			
Observation end date	2005-06-18T15:11:54	2005-06-18T15:29:10			
Read mode	TIMED	TIMED			

2.3 Aspect



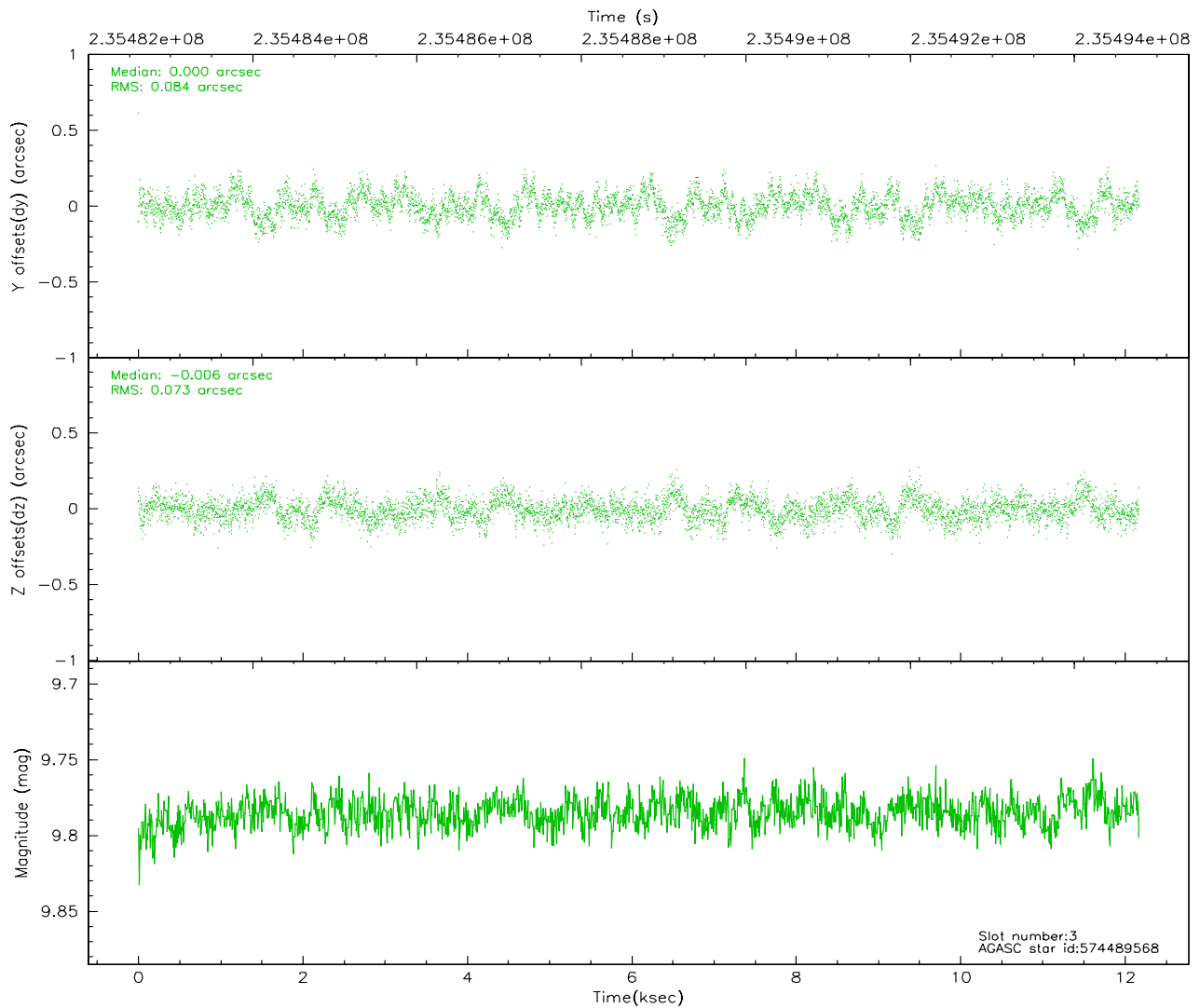
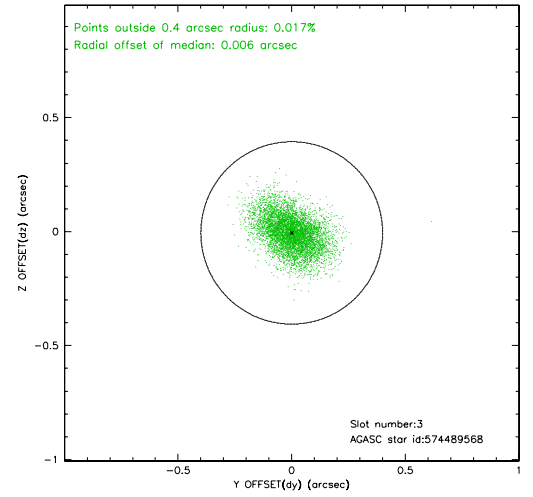
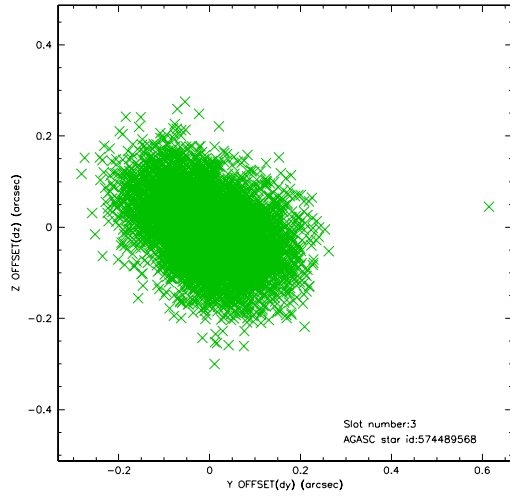


Slot Statistics

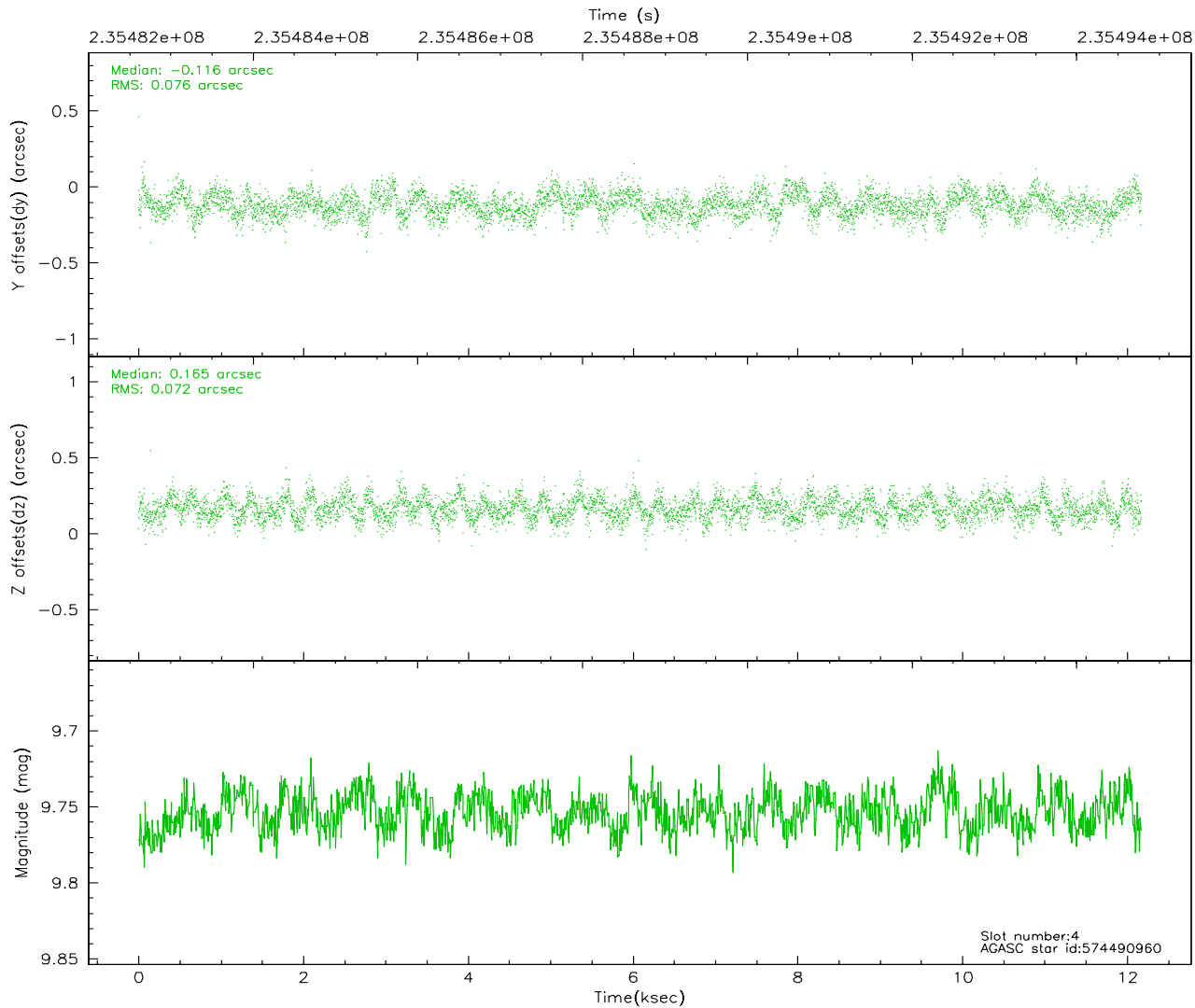
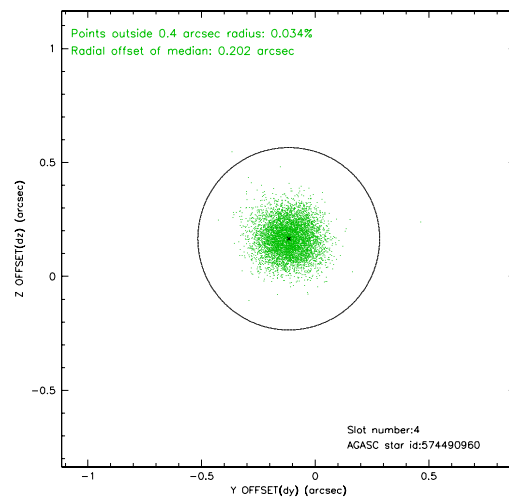
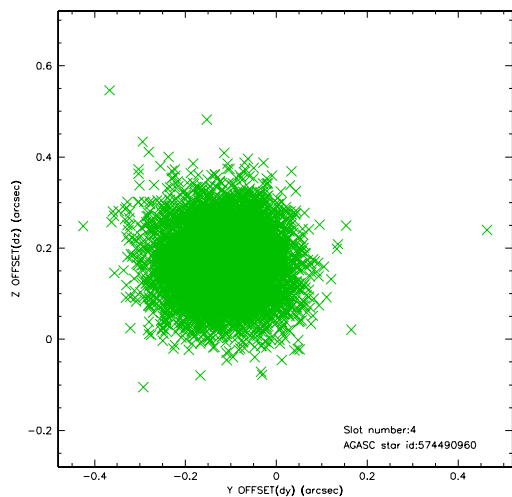
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2970	-0.040	-0.006	0.011	0.018	0.000000	0.000000	-760.06	-1731.66
1	FID	ACIS-S-4	7.21	2970	0.064	0.022	0.008	0.014	0.000000	0.000000	2153.09	176.50
2	FID	ACIS-S-5	7.23	2970	-0.055	-0.006	0.009	0.015	0.000000	0.000000	-1812.43	170.52
3	GUIDE	574489568	9.79	5933	0.000	-0.006	0.118	0.196	147.223974	69.438157	-1902.16	-1522.82
4	GUIDE	574490960	9.75	5929	-0.116	0.165	0.111	0.178	148.185918	69.658768	-2258.15	-120.04
5	GUIDE	574491280	9.34	5936	-0.131	-0.100	0.081	0.129	148.611567	69.450135	-1376.38	150.08
6	GUIDE	574496312	10.27	5933	0.073	-0.075	0.164	0.268	149.547505	68.718299	1499.58	492.54
7	GUIDE	574497600	10.45	5923	0.170	0.009	0.187	0.306	147.824120	68.451903	1706.51	-1958.71

2.4 Star Slots

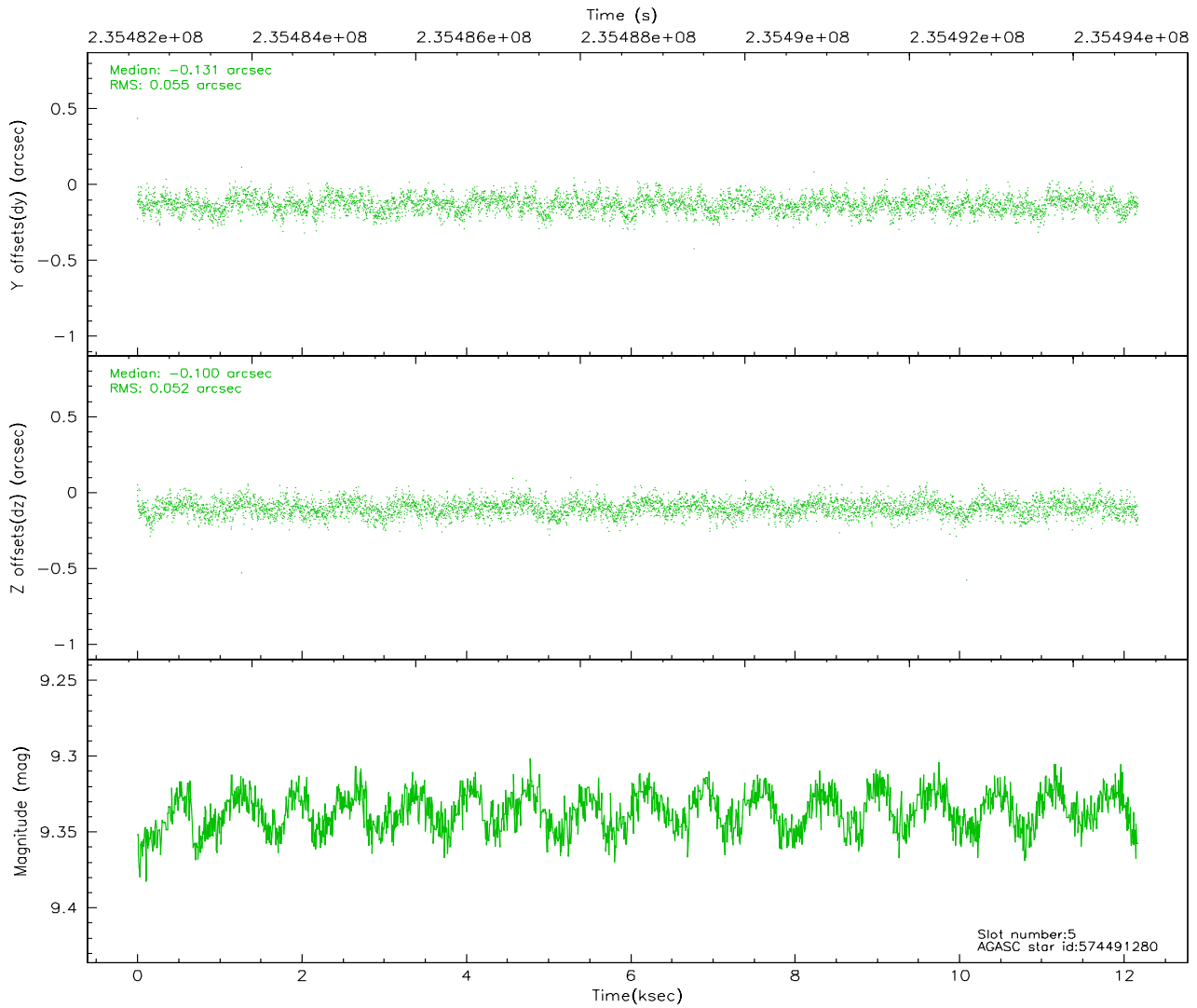
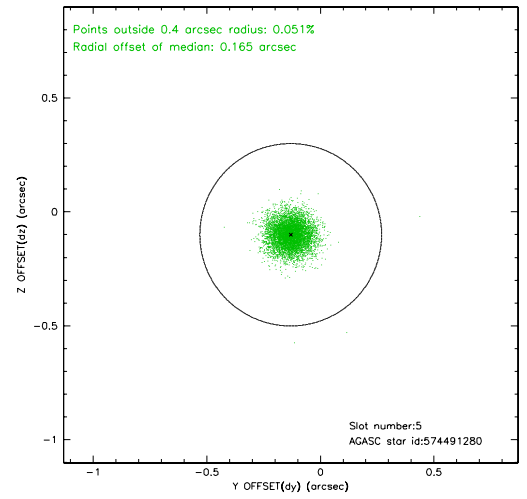
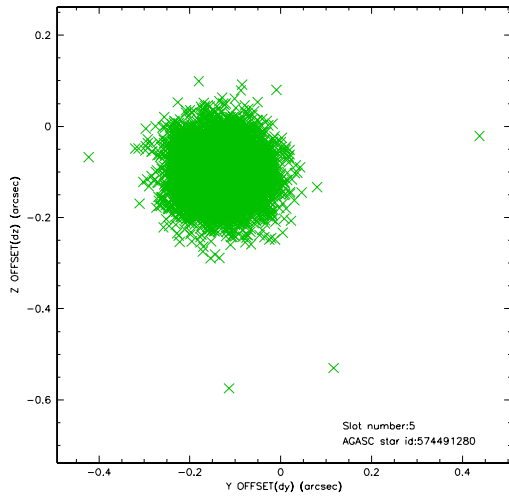
2.4.1 Slot 3



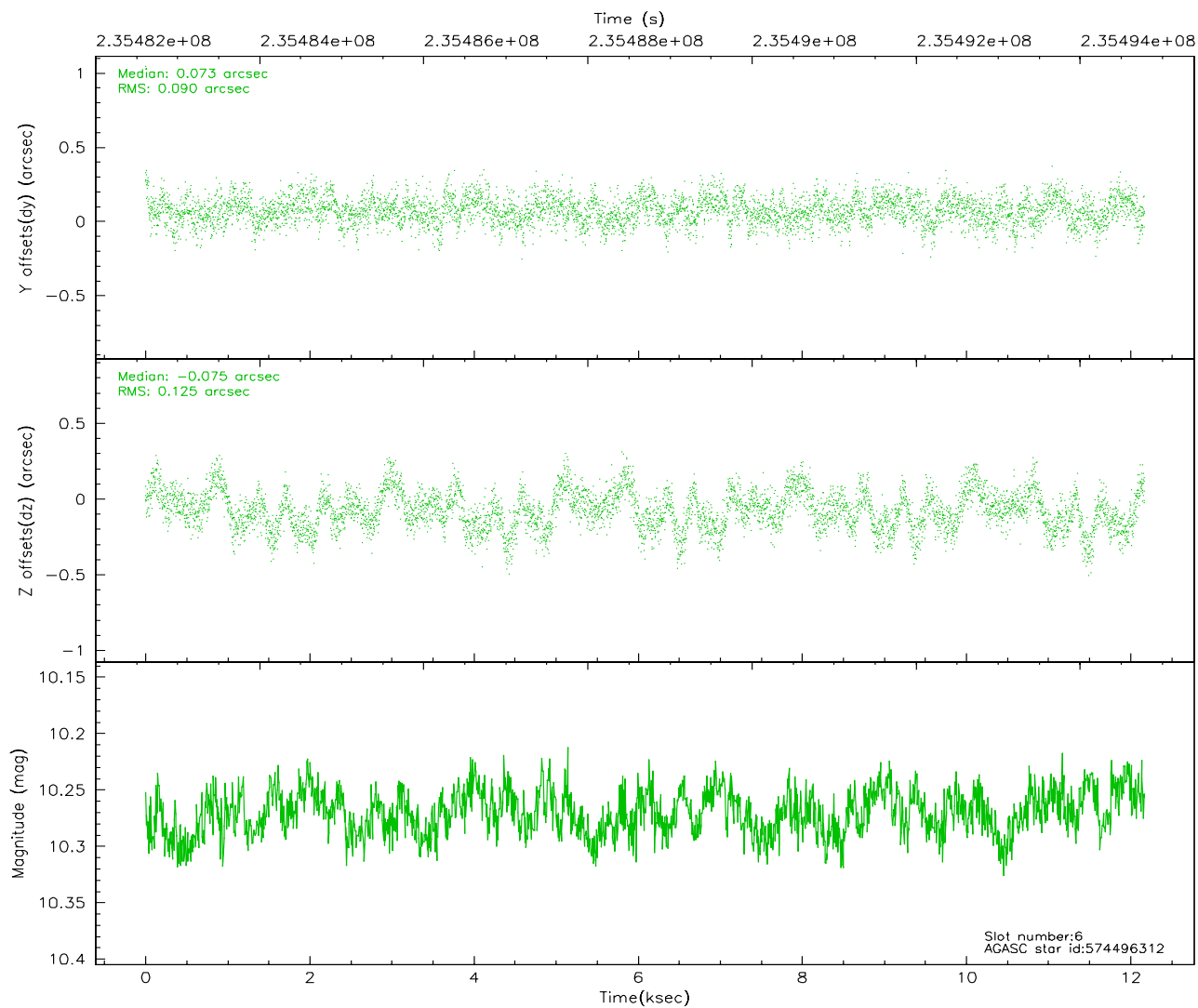
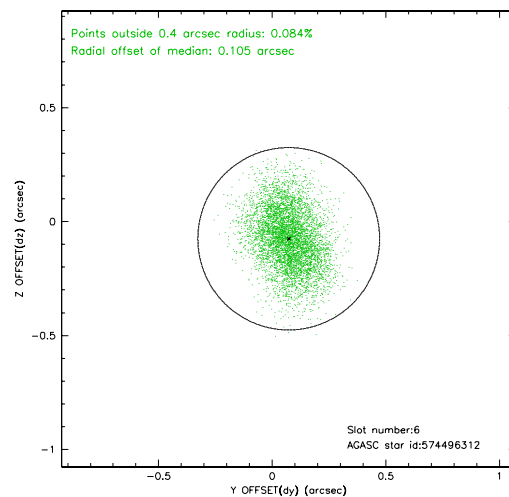
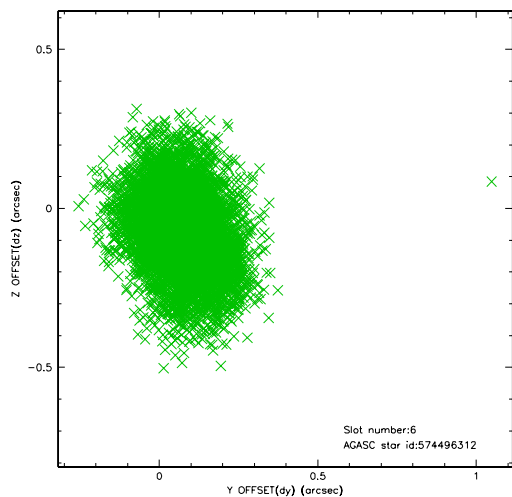
2.4.2 Slot 4



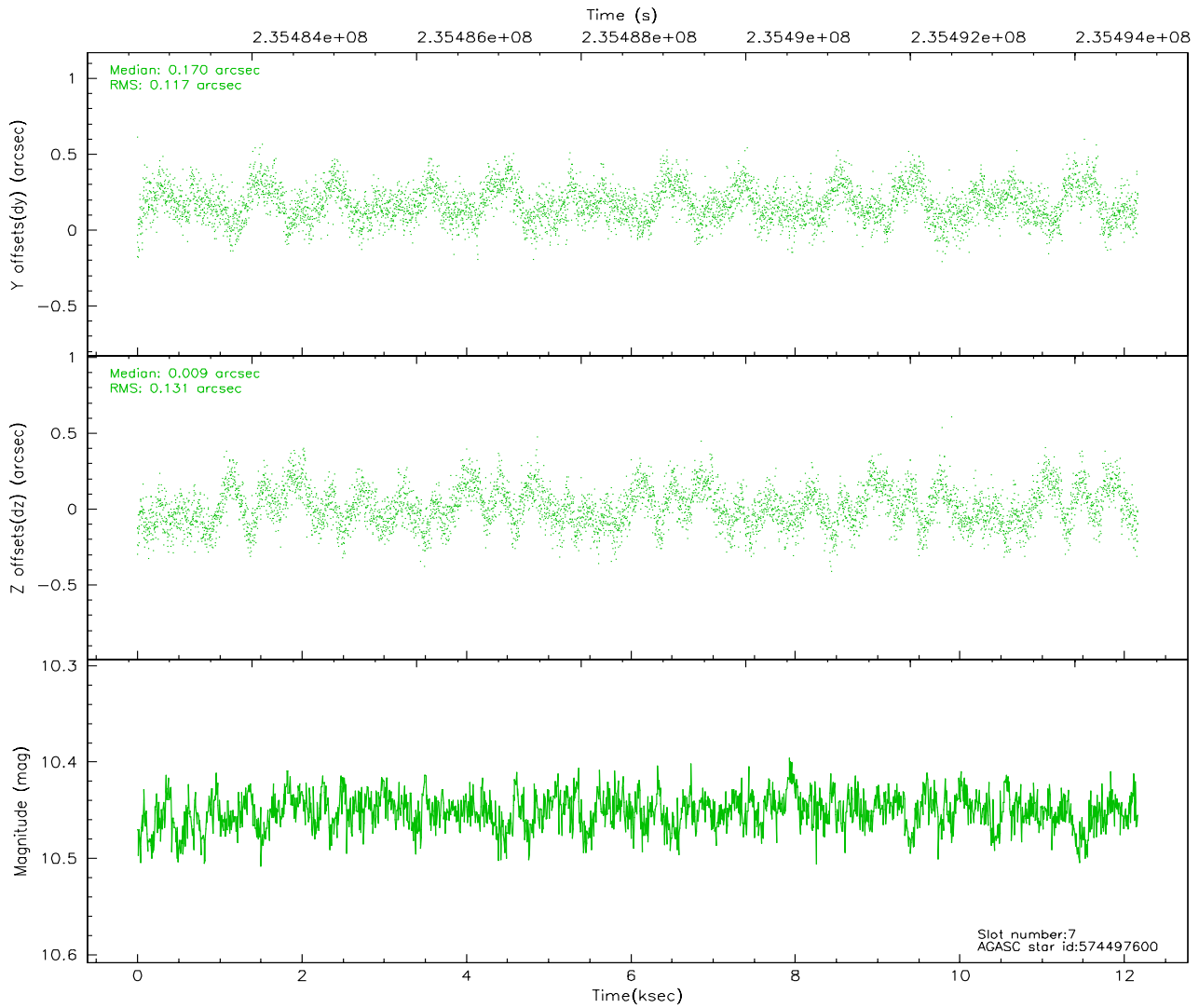
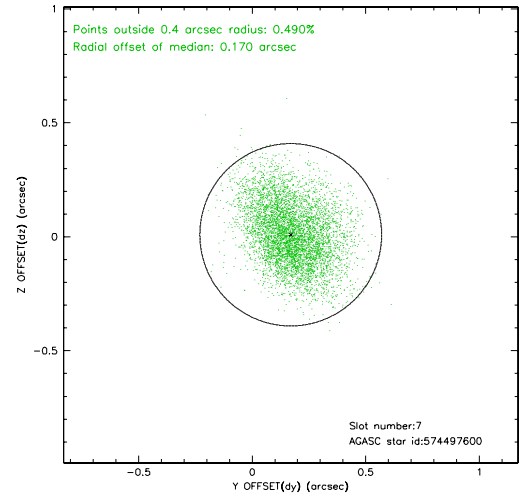
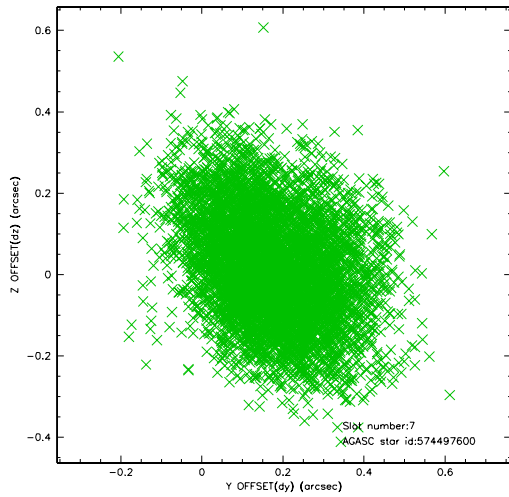
2.4.3 Slot 5



2.4.4 Slot 6

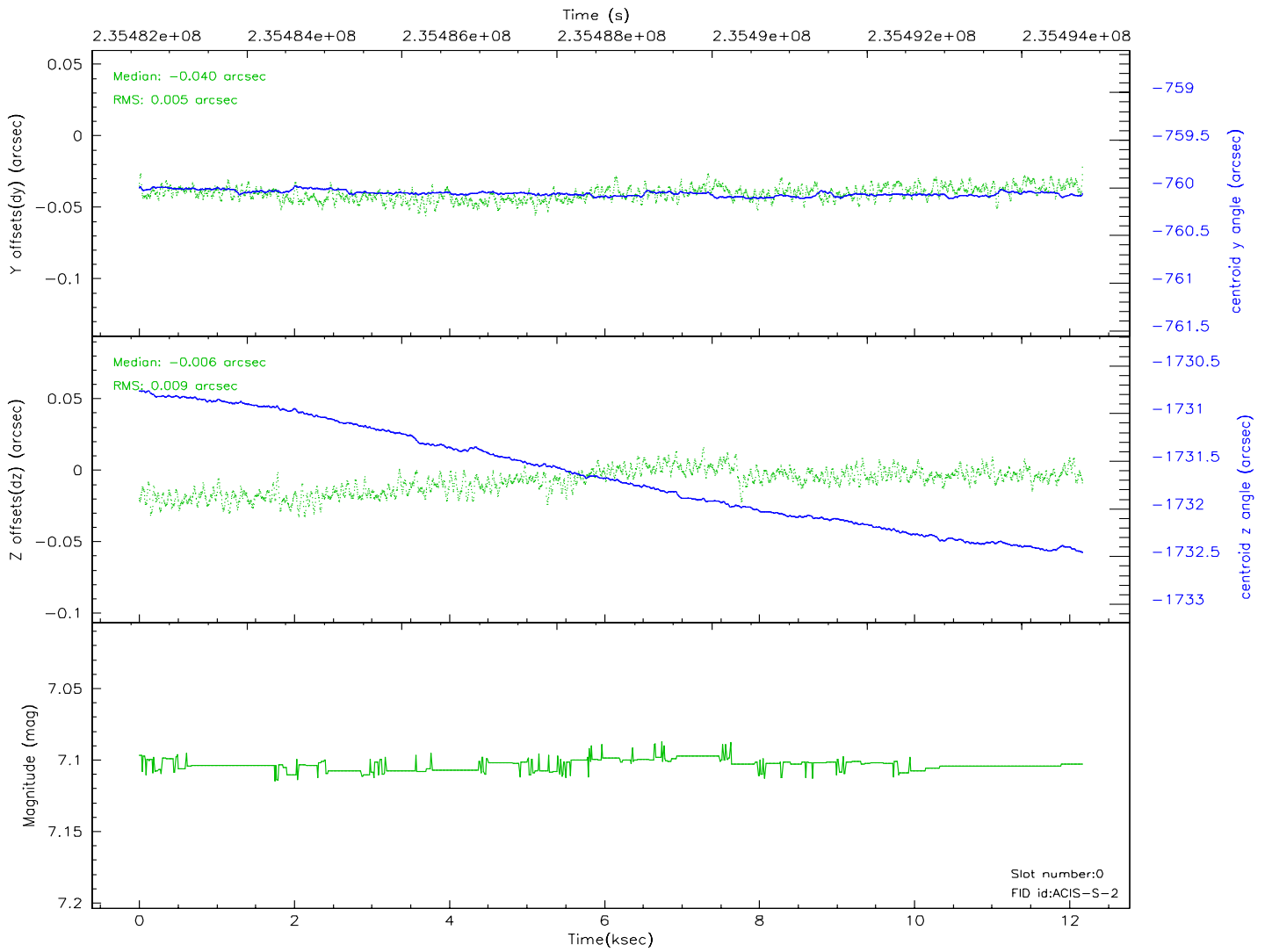
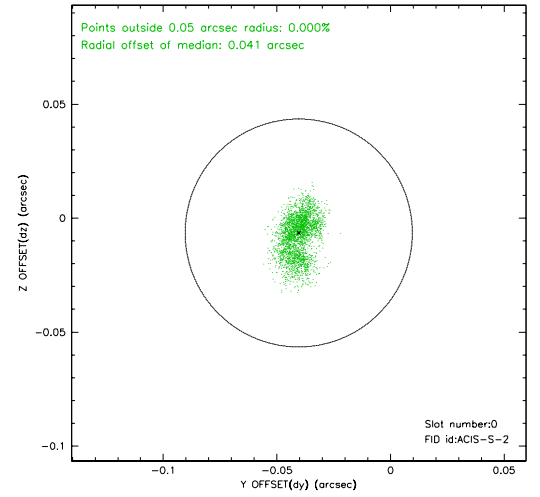
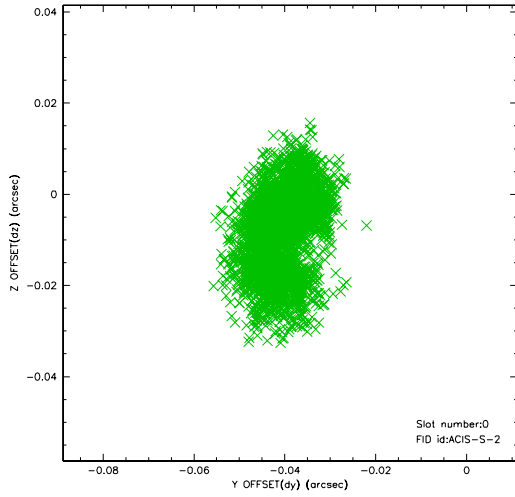


2.4.5 Slot 7

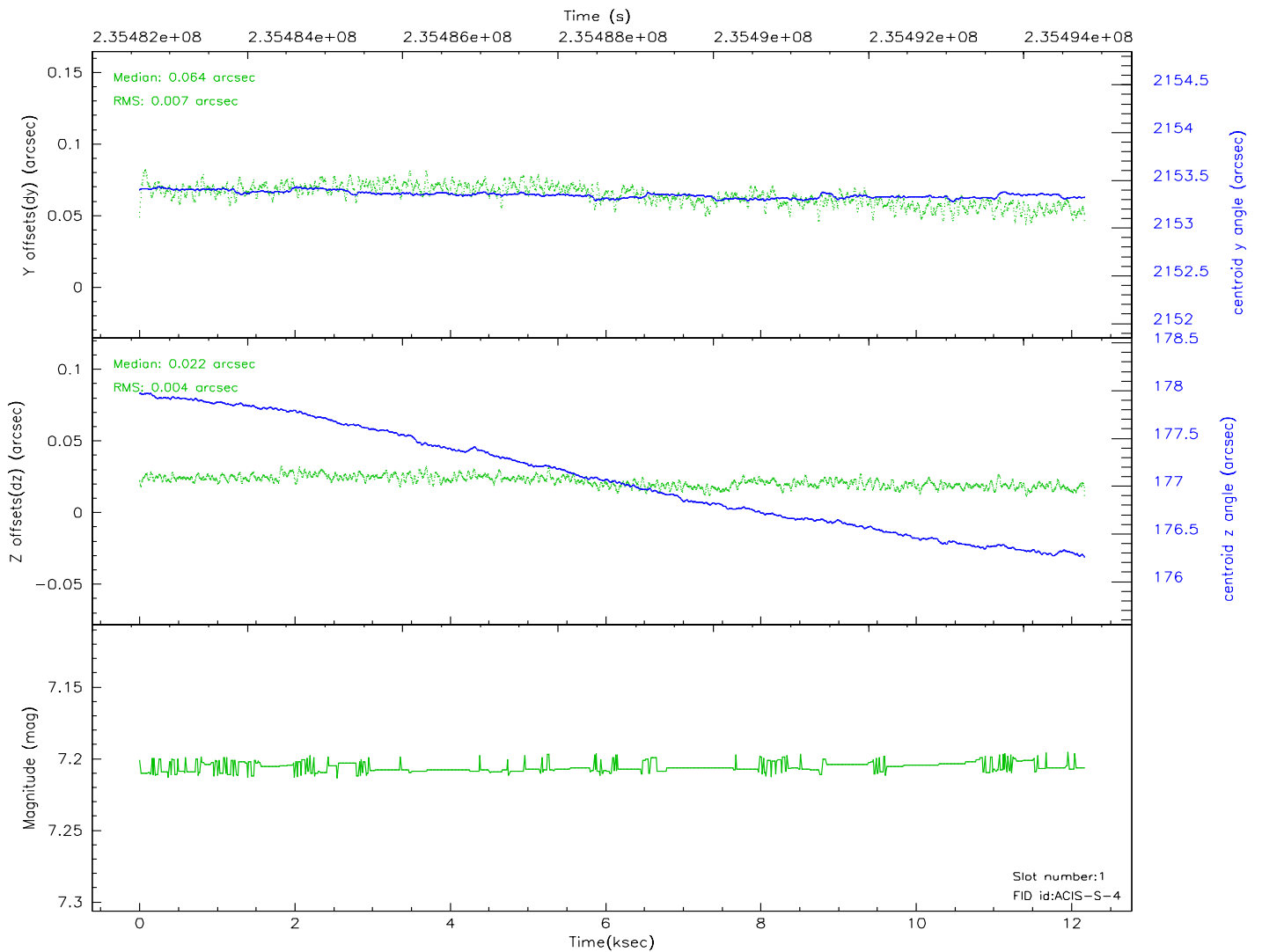
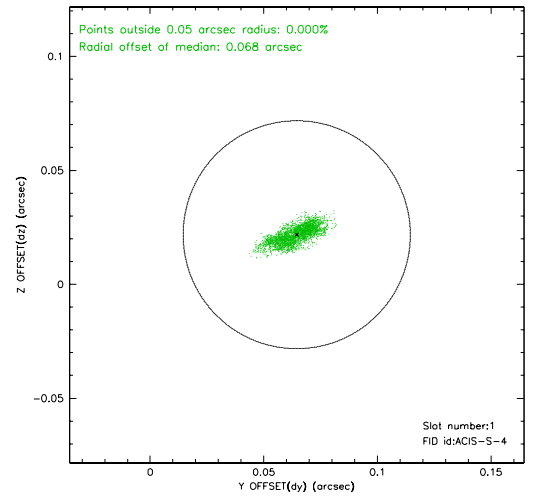
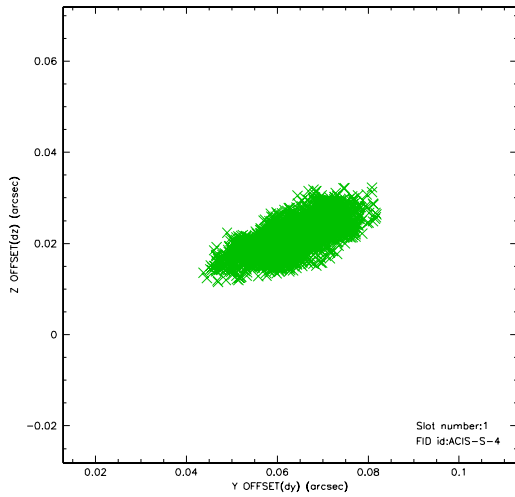


2.5 FID Slots

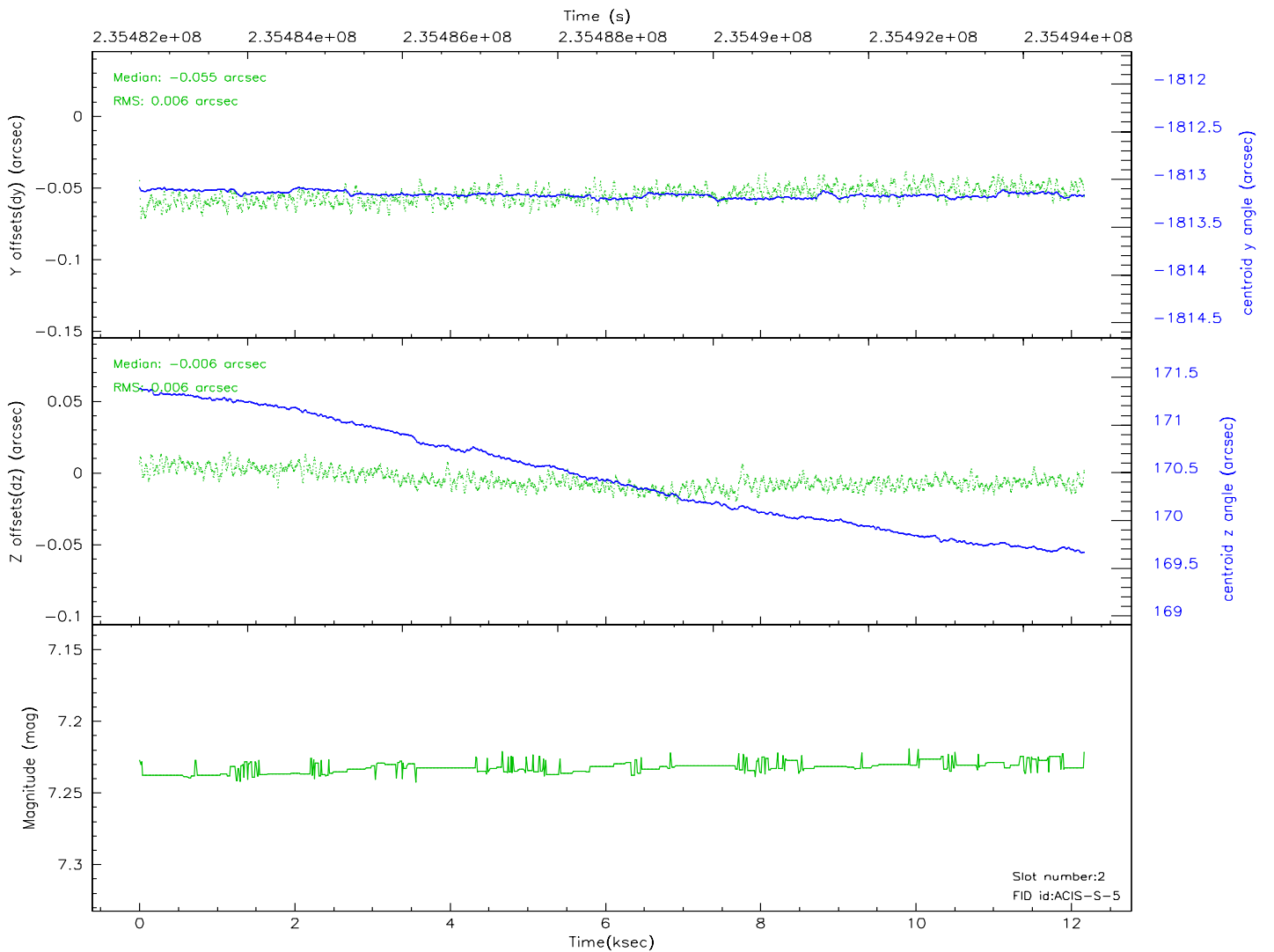
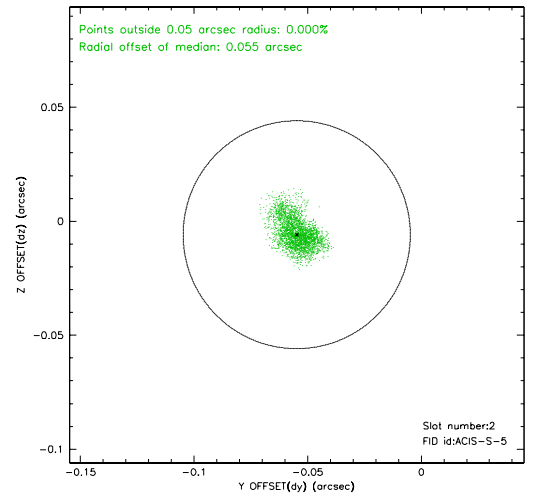
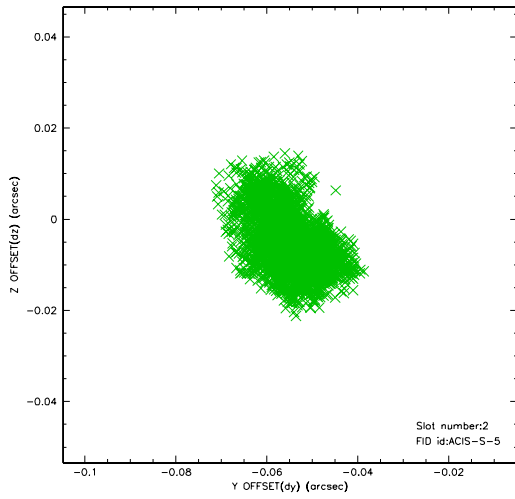
2.5.1 Slot 0



2.5.2 Slot 1

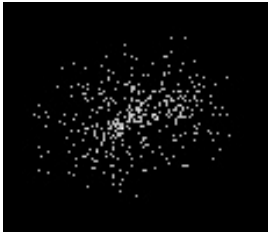


2.5.3 Slot 2

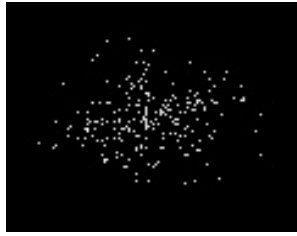


3 Point Sources

6.67 arcmin



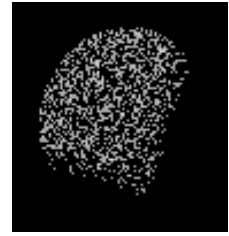
2.72 arcmin



5.35 arcmin



18.52 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.16639

A.2 Comments

Roll preference met. Monitor constraint met.