

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2228 - L2 Version 001  
Chandra X-Ray Center

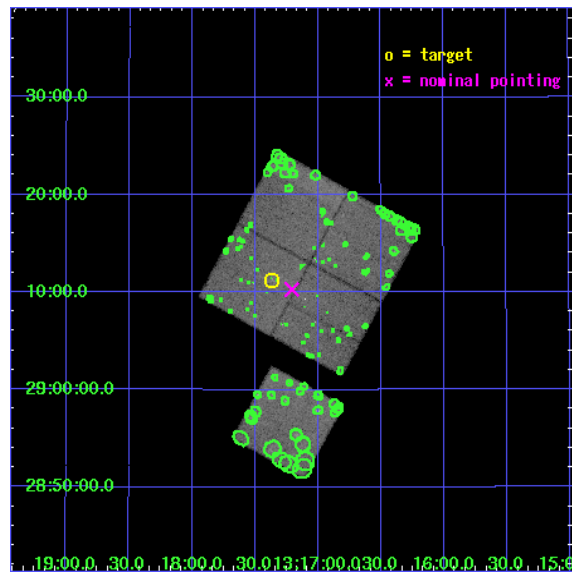
L2 Processing Date : Nov 29 2006

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# 1 Front

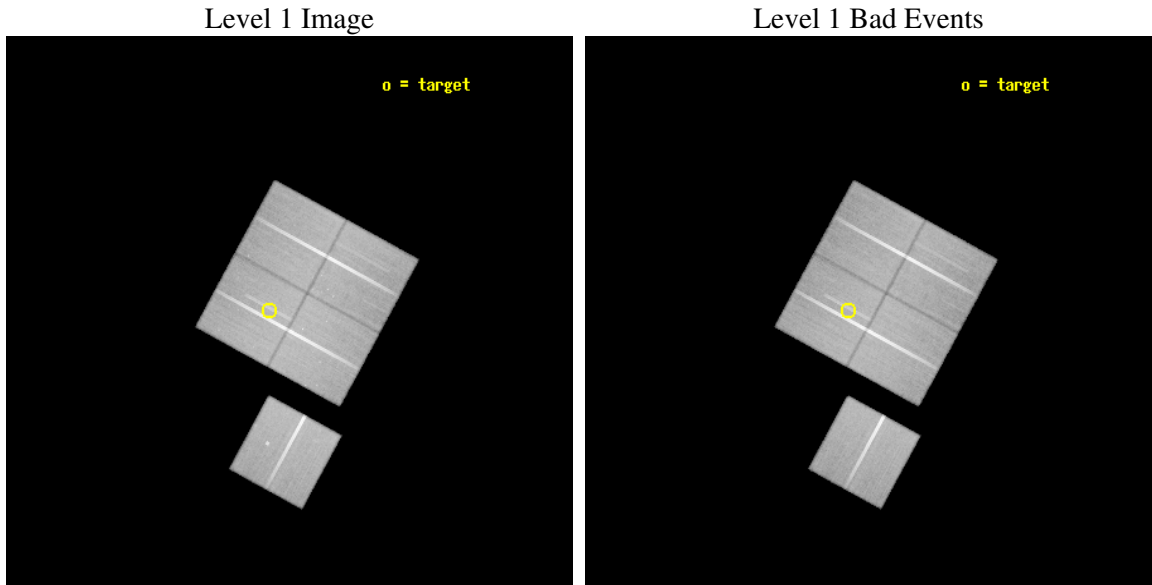
seq_num	800167
obs_id	2228
title	A COMPLETE X-RAY CLUSTER SAMPLE AT Z > 0.8
observer	Dr. Spencer Stanford
object	RX J1317.4+2911
dtcycle	0
cycle	P
ra_targ	199.341
dec_targ	29.188056
ra_nom	199.30199280537
dec_nom	29.171744910536
roll_nom	208.60624195452
revision	2
ontime	112830.28997107
liveltime	111356.07916815
ontime0	112817.72591074
ontime1	112817.72598051
ontime2	112817.72607027
ontime3	112830.28997107
ontime6	112817.72597055
l2events	242019



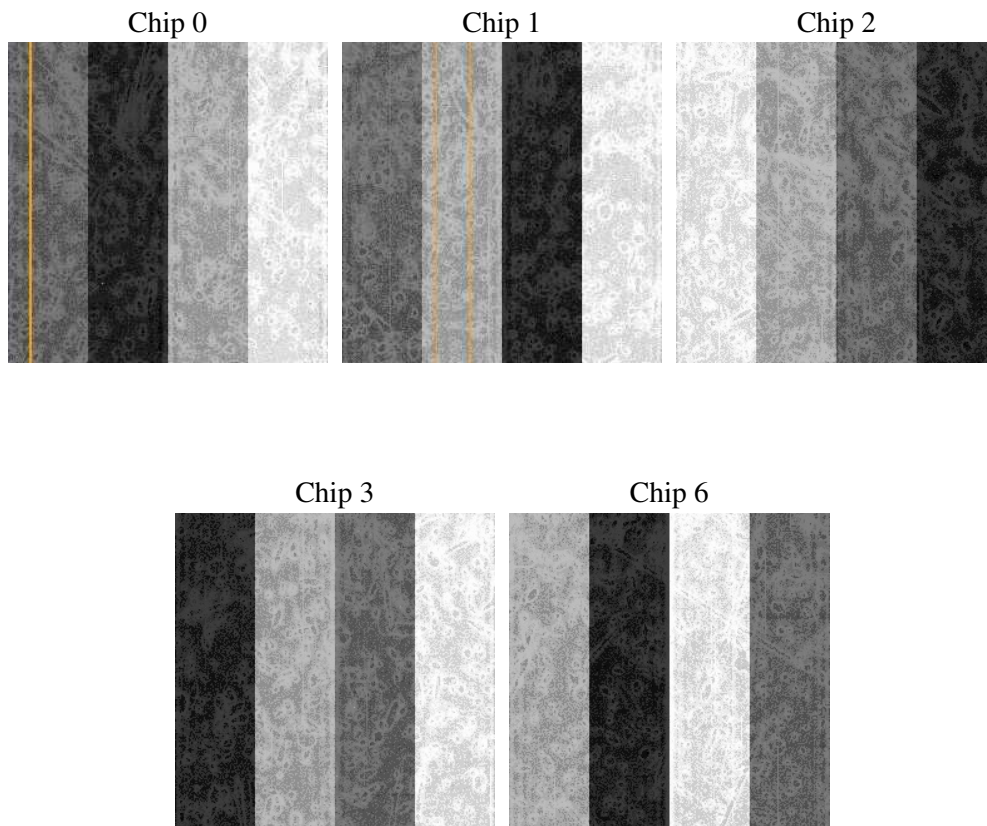
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-29T21:47:02
revision	2

sched_exp_time	112750.000000
ontime	112834.22661029
ontime0	112821.66254996
ontime1	112821.66261972
ontime2	112821.66270949
ontime3	112834.22661029
ontime6	112821.66260977
ll events	3013808

### 2.1.4 Events

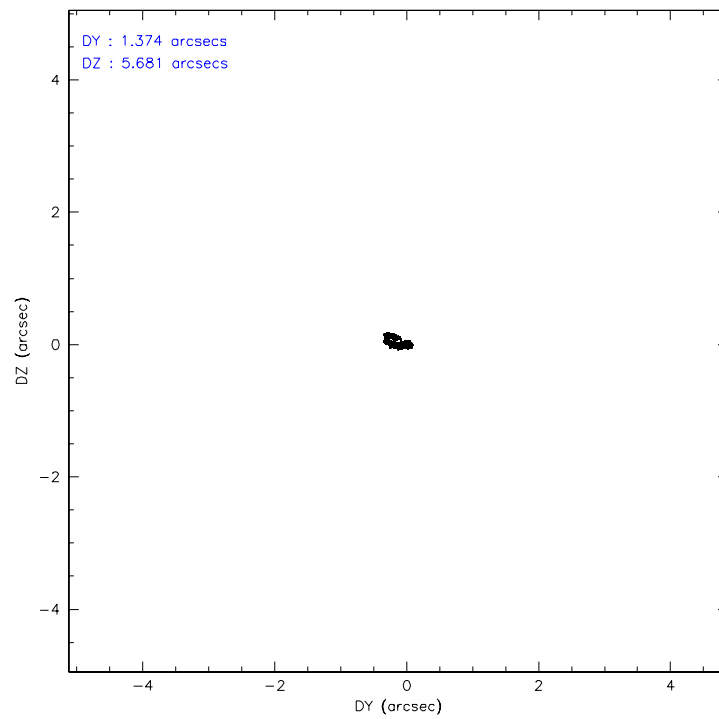
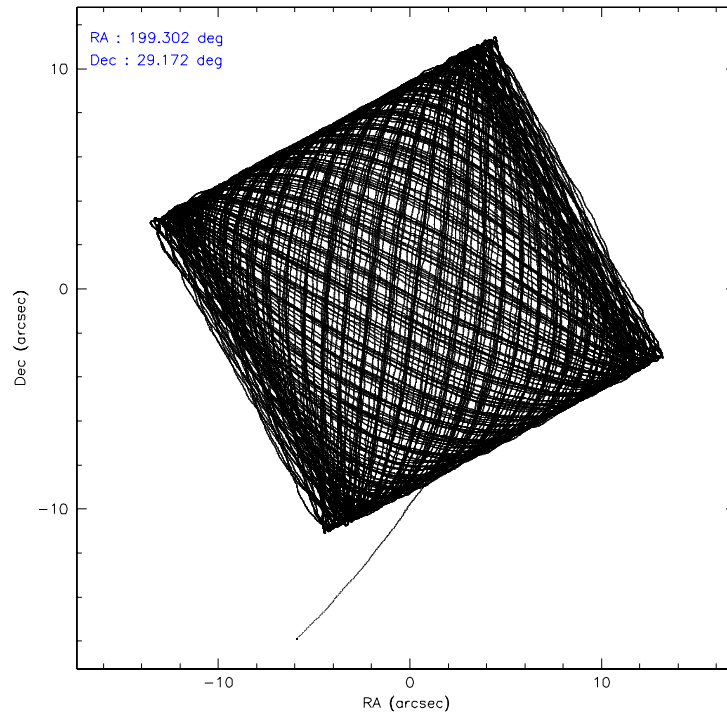
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	569476	573713	638658	620437	611524
rejected events	511305	510313	581418	566442	548811
rejected %	89%	88%	91%	91%	89%

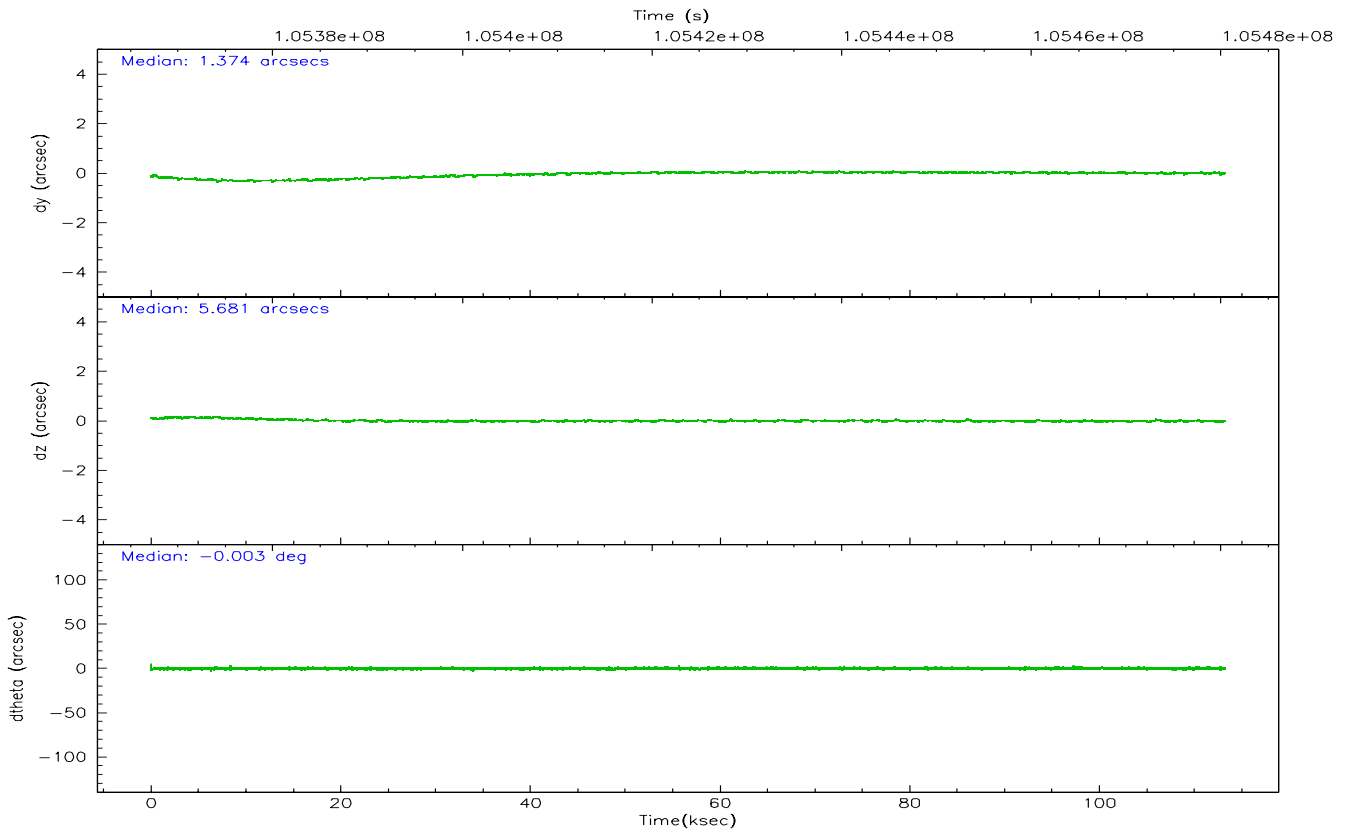
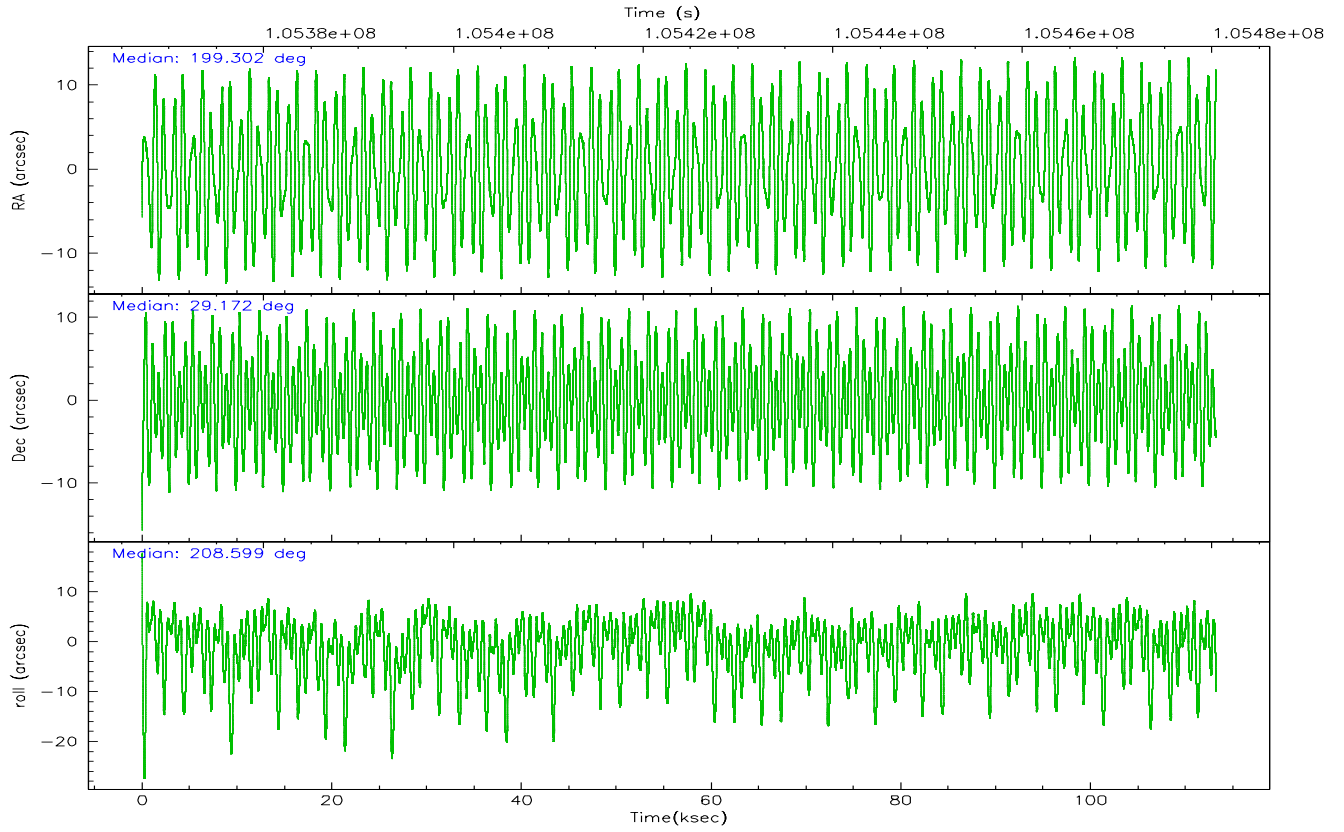
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	20515	22850	20893	19292	24580
	3%	3%	3%	3%	4%
grade 1 events	251	257	242	258	293
	0%	0%	0%	0%	0%
grade 2 events	13257	12920	12841	11258	12163
	2%	2%	2%	1%	1%
grade 3 events	6958	7687	6374	6317	6835
	1%	1%	0%	1%	1%
grade 4 events	6473	7385	6355	6218	6692
	1%	1%	0%	1%	1%
grade 5 events	18792	20810	17851	20830	21800
	3%	3%	2%	3%	3%
grade 6 events	10969	12559	10787	10912	12445
	1%	2%	1%	1%	2%
grade 7 events	492261	489245	563315	545352	526716
	86%	85%	88%	87%	86%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	199.318355	199.3019928053724	Subarray requested	NONE	NONE
Pointing Dec	29.195190	29.17174491053645	Alternating exposures requested	N	N
Pointing Roll	208.389575	208.6062419545227	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.592463	-225.5818545406617			
SIM translation stage offset (mm)	-8	-8.010598462268035			
Observation start time	105367696.184000	105366568.4008			
Observation start date	2001-05-04T12:47:12	2001-05-04T12:29:28			
Observation end time	105480446.184000	105480988.64274			
Observation end date	2001-05-05T20:06:22	2001-05-05T20:16:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect



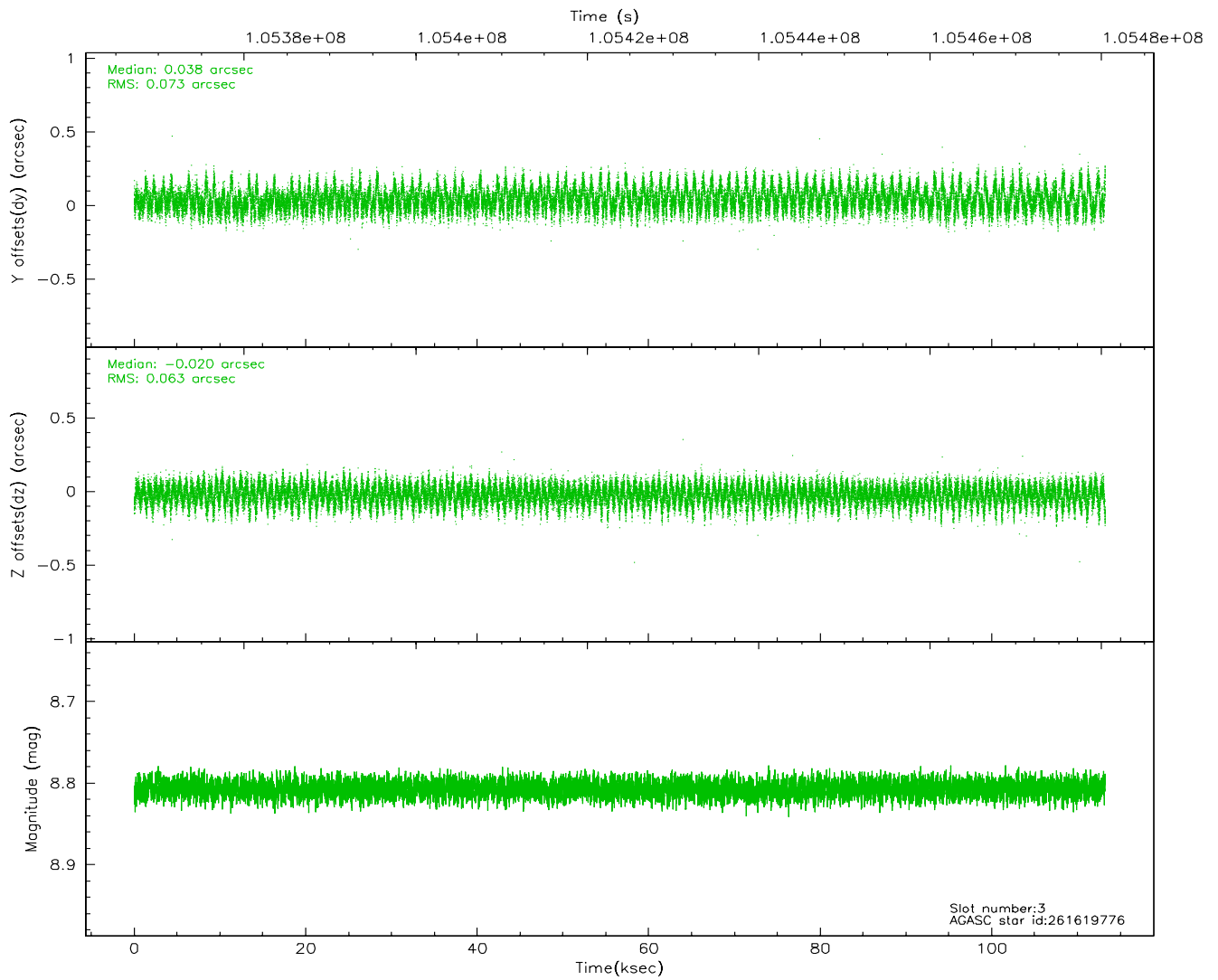
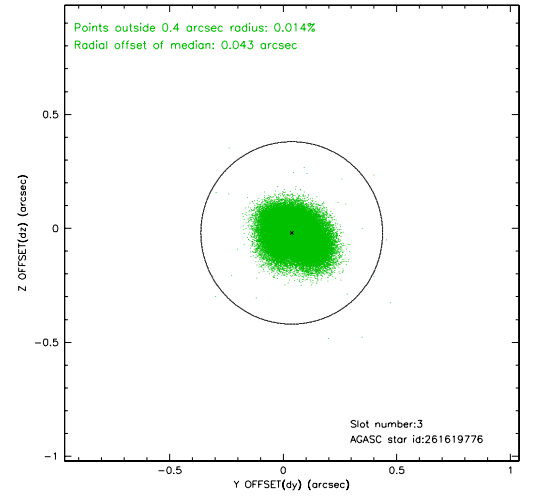
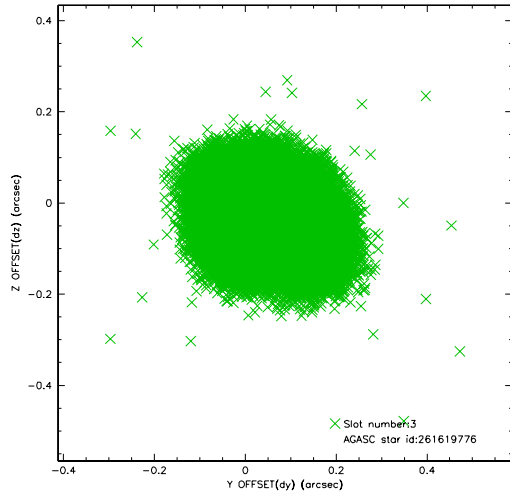


### Slot Statistics

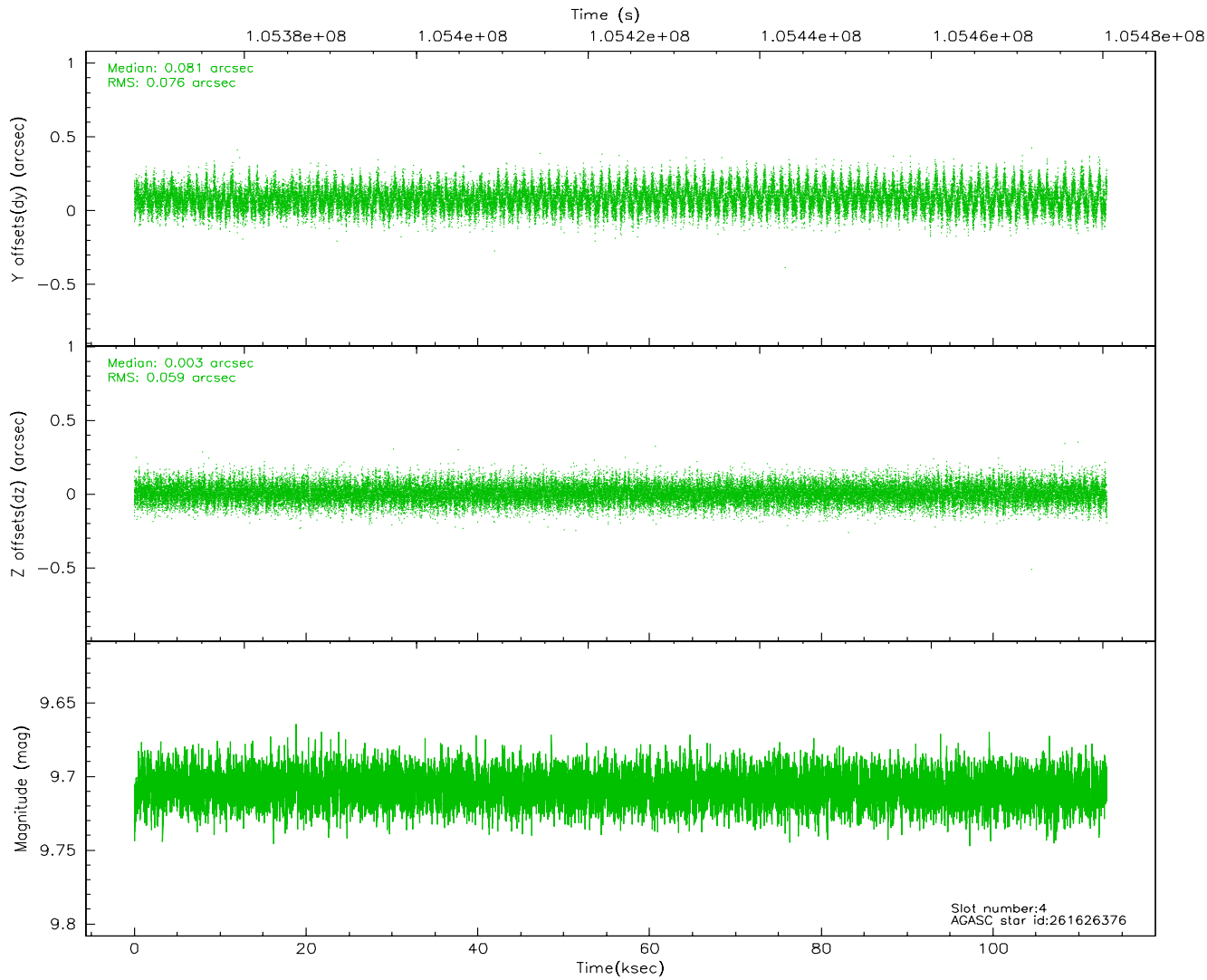
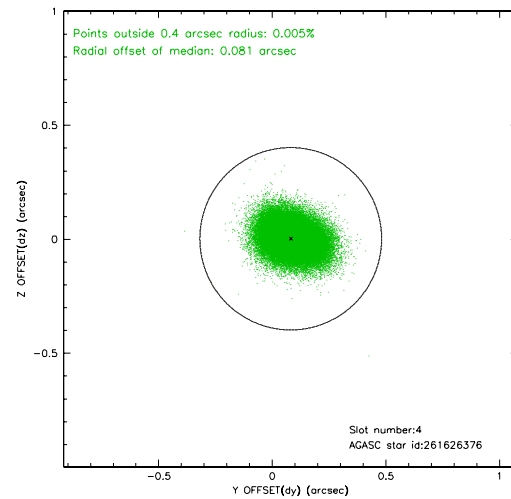
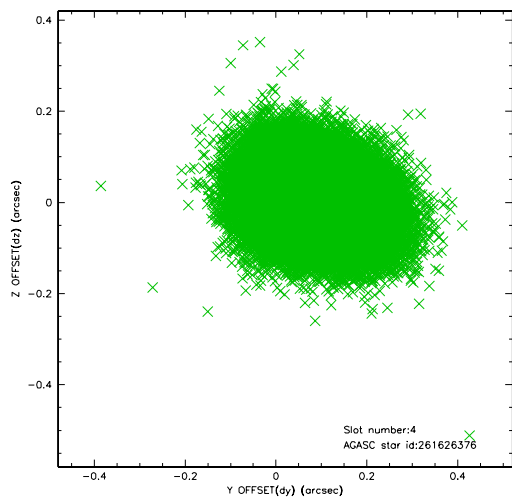
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.18	27612	-0.030	-0.031	0.009	0.015	0.000000	0.000000	-756.24	-998.84
1	FID	ACIS-I-4	7.16	27608	-0.075	0.035	0.006	0.012	0.000000	0.000000	2157.76	907.42
2	FID	ACIS-I-5	7.22	27614	0.005	0.065	0.009	0.014	0.000000	0.000000	-1809.75	904.13
3	GUIDE	261619776	8.81	55213	0.038	-0.020	0.103	0.168	198.654383	29.401174	1476.33	-1647.33
4	GUIDE	261626376	9.71	55161	0.081	0.003	0.102	0.169	198.947288	29.347445	762.63	-1037.30
5	GUIDE	261629720	8.09	55224	-0.049	-0.050	0.086	0.140	199.236176	29.044452	484.89	354.45
6	GUIDE	261621400	6.98	55238	-0.105	-0.017	0.080	0.125	198.901600	28.741982	1931.22	808.18
7	GUIDE	261625488	10.75	55096	0.052	0.082	0.305	0.507	199.762910	29.539818	-1816.51	-431.79

## 2.4 Star Slots

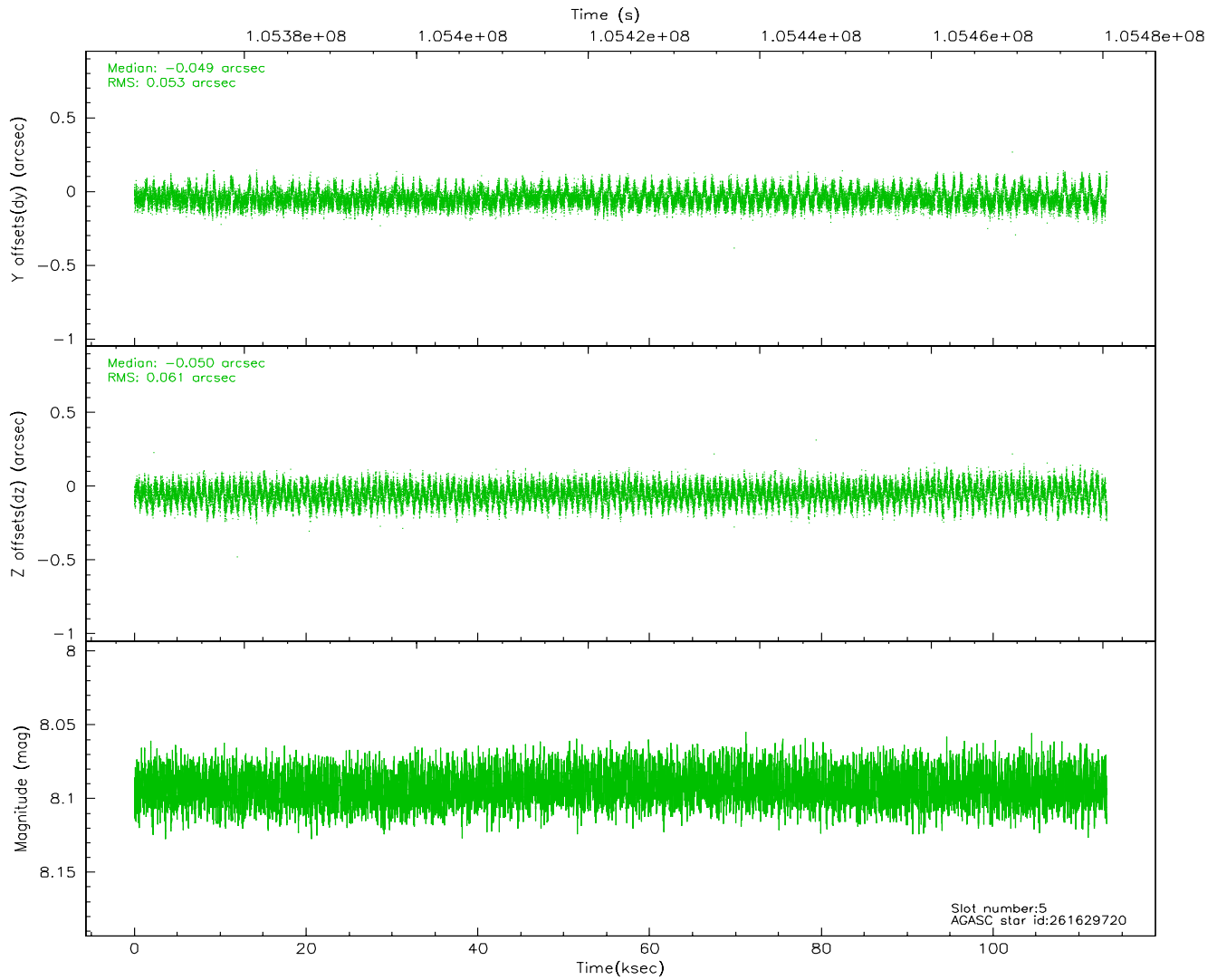
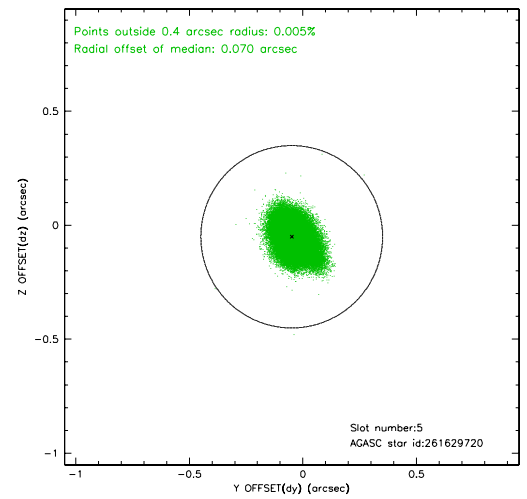
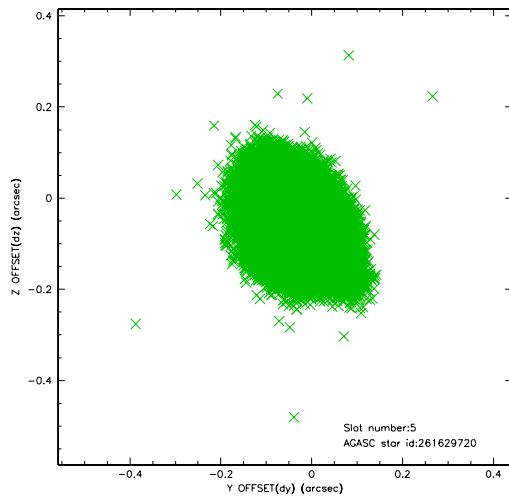
### 2.4.1 Slot 3



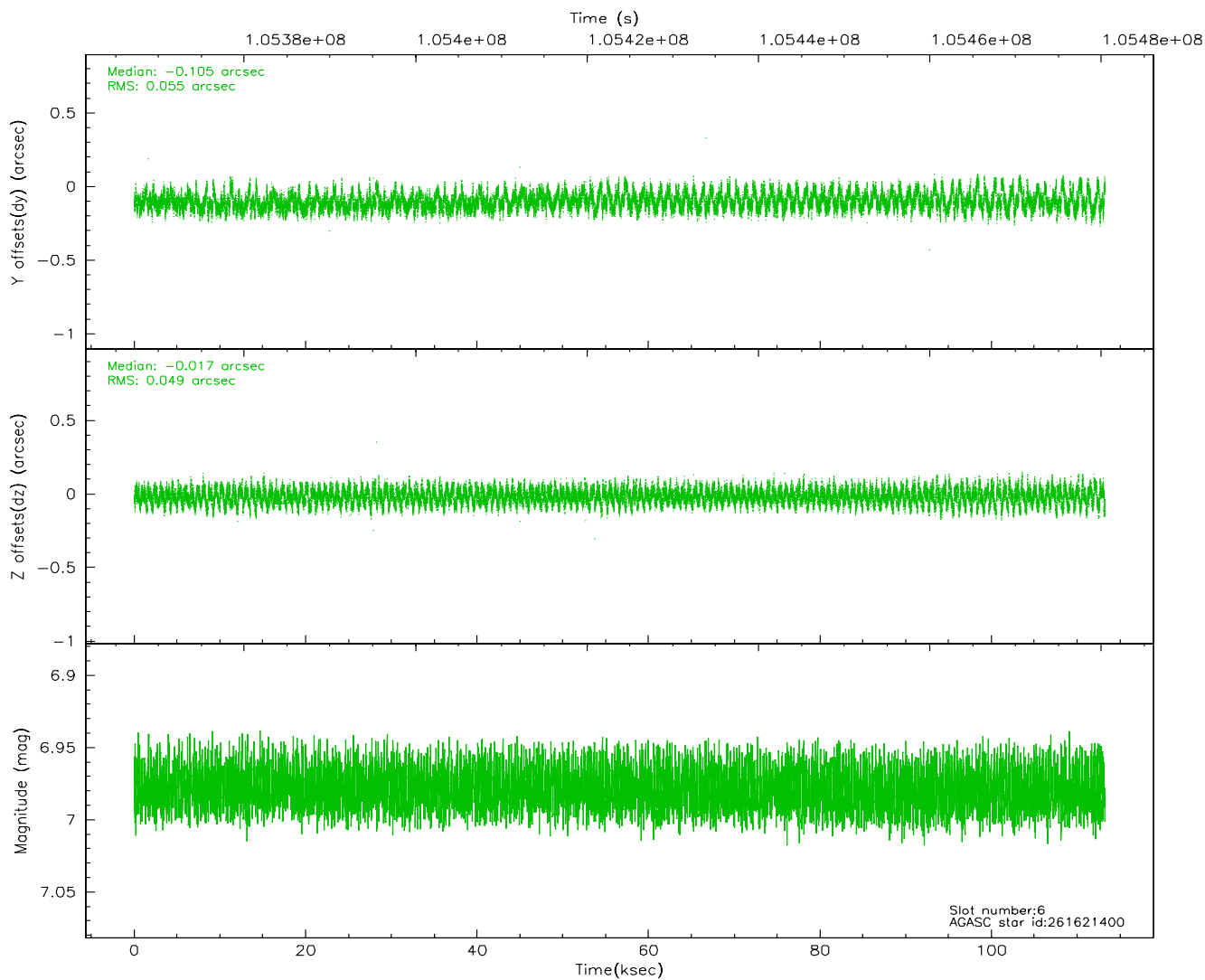
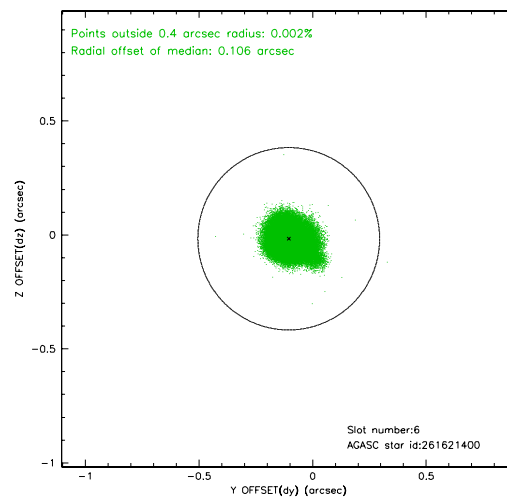
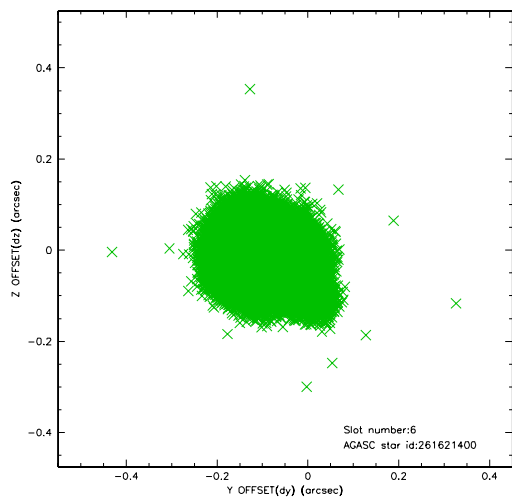
## 2.4.2 Slot 4



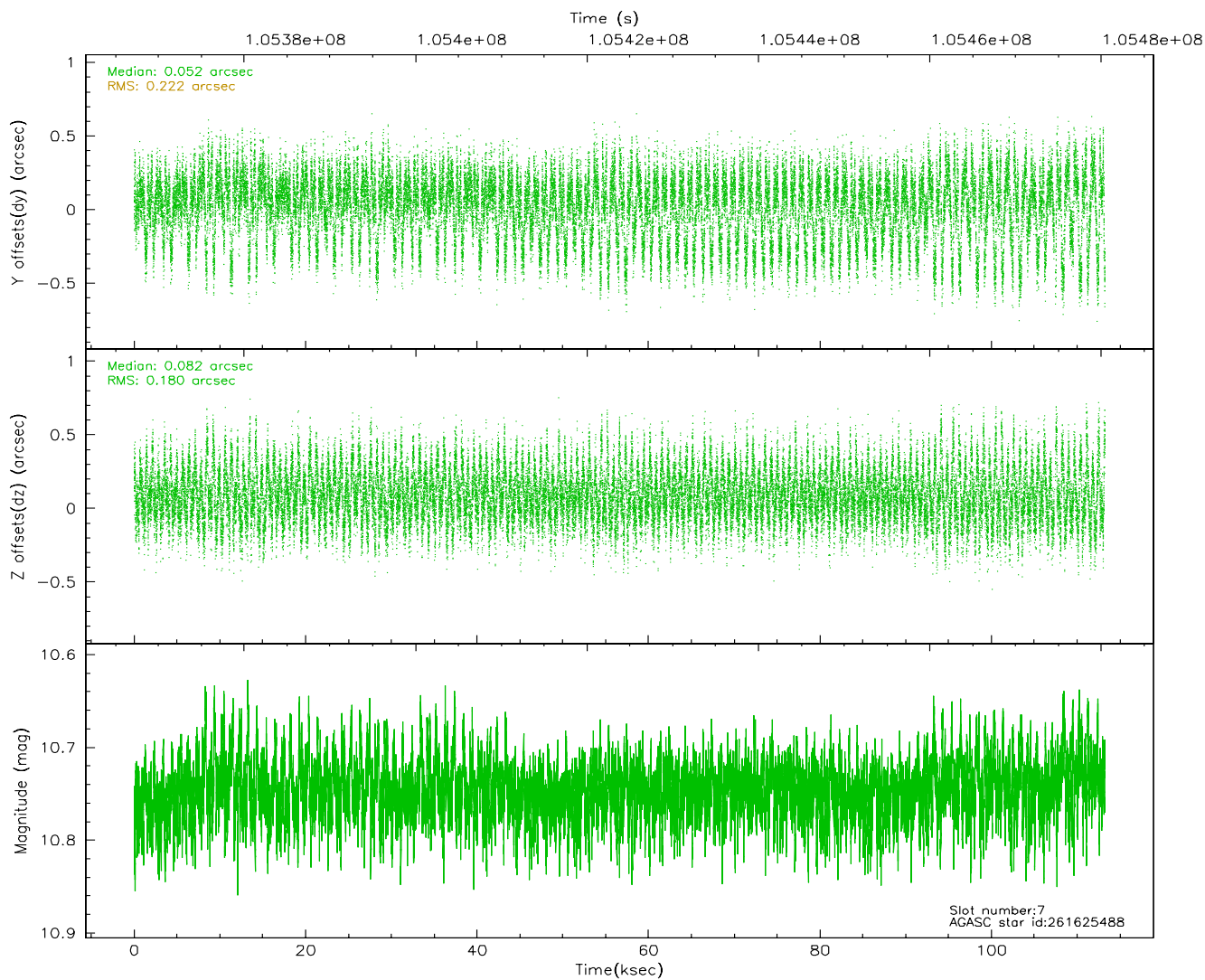
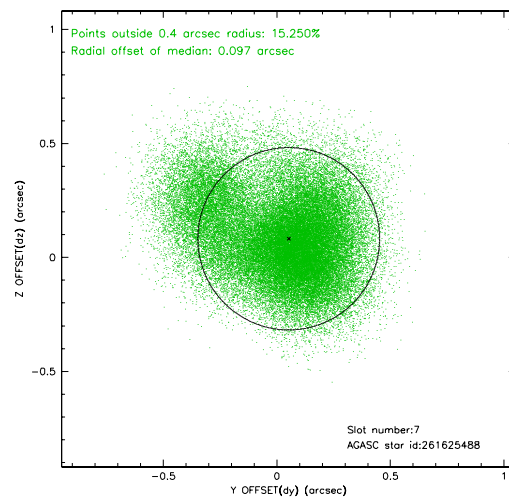
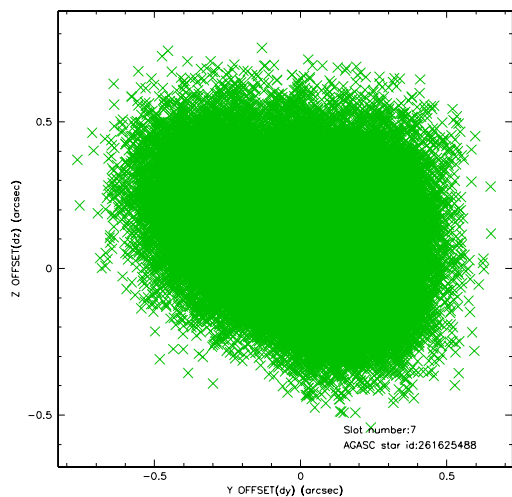
### 2.4.3 Slot 5



### 2.4.4 Slot 6

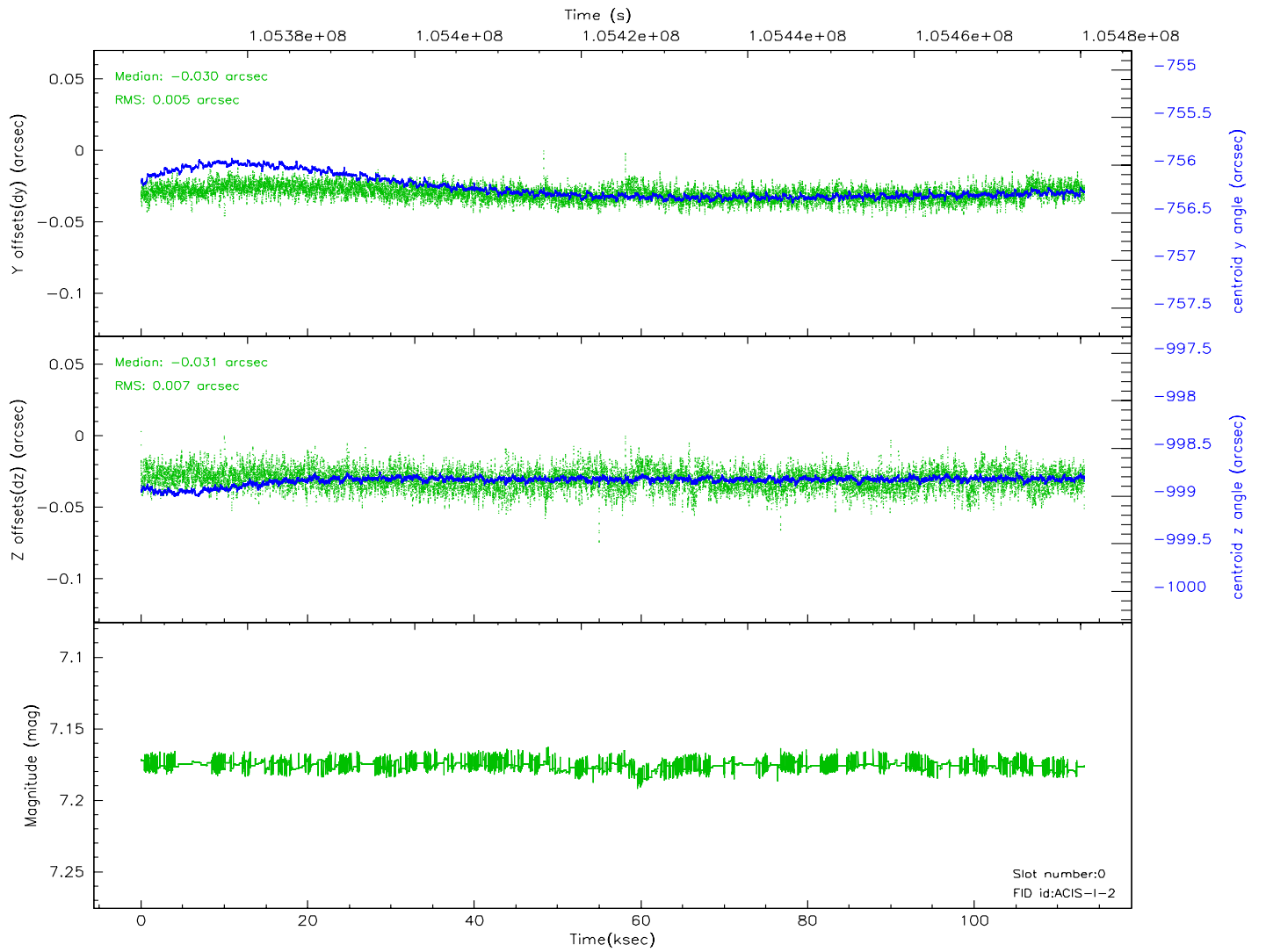
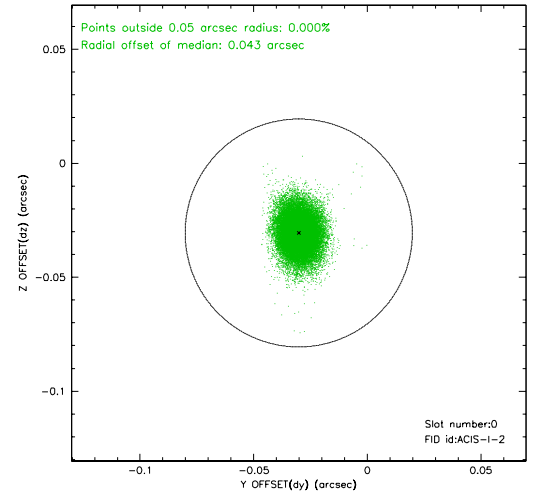
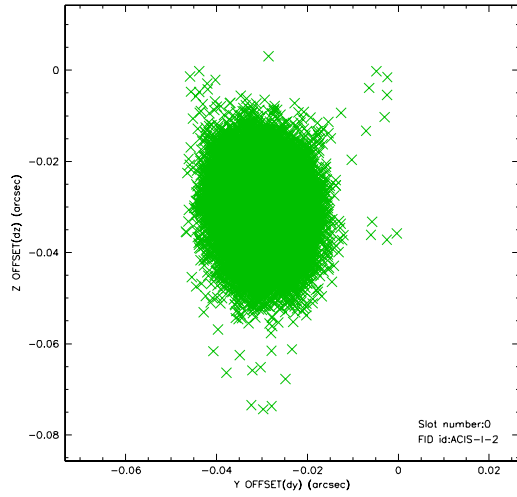


## 2.4.5 Slot 7

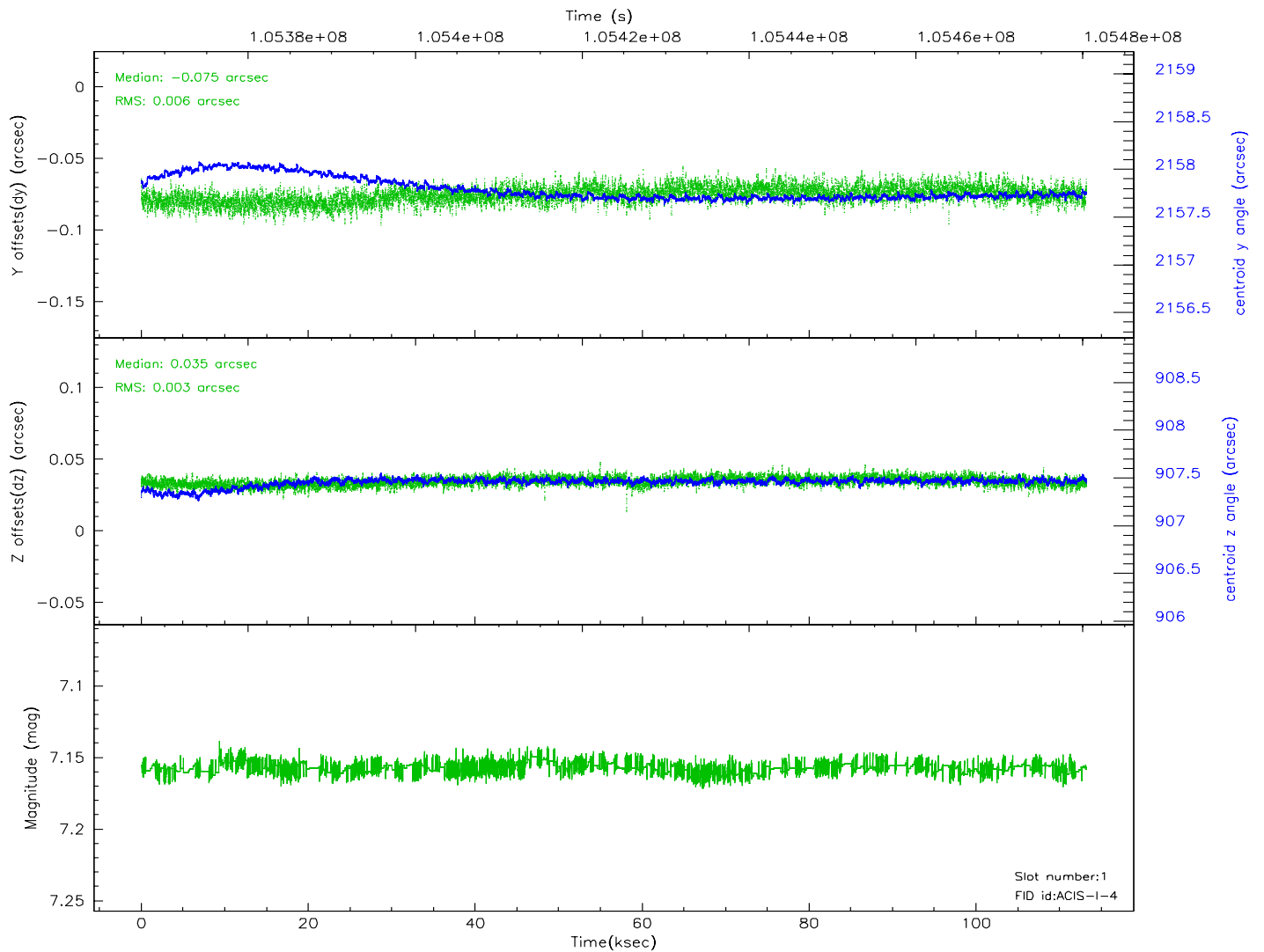
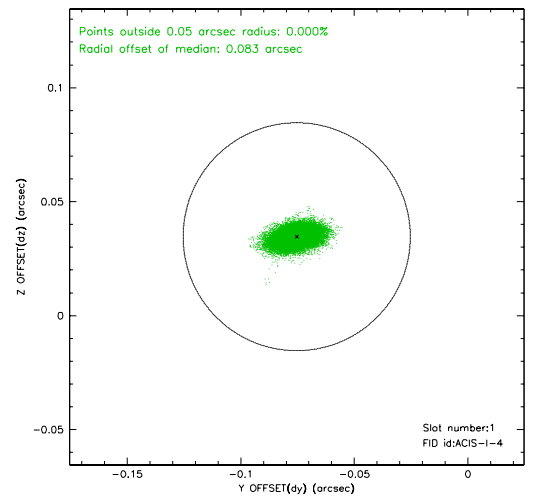
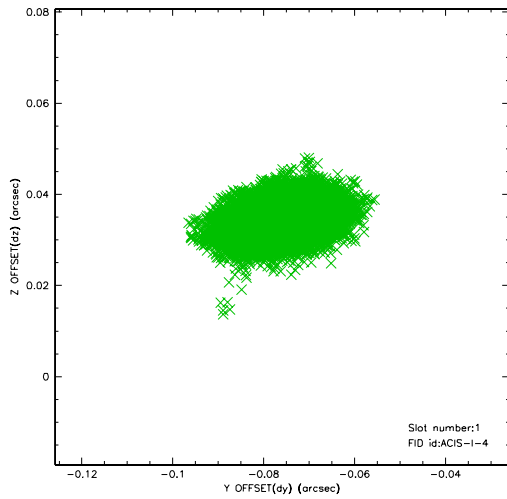


## 2.5 FID Slots

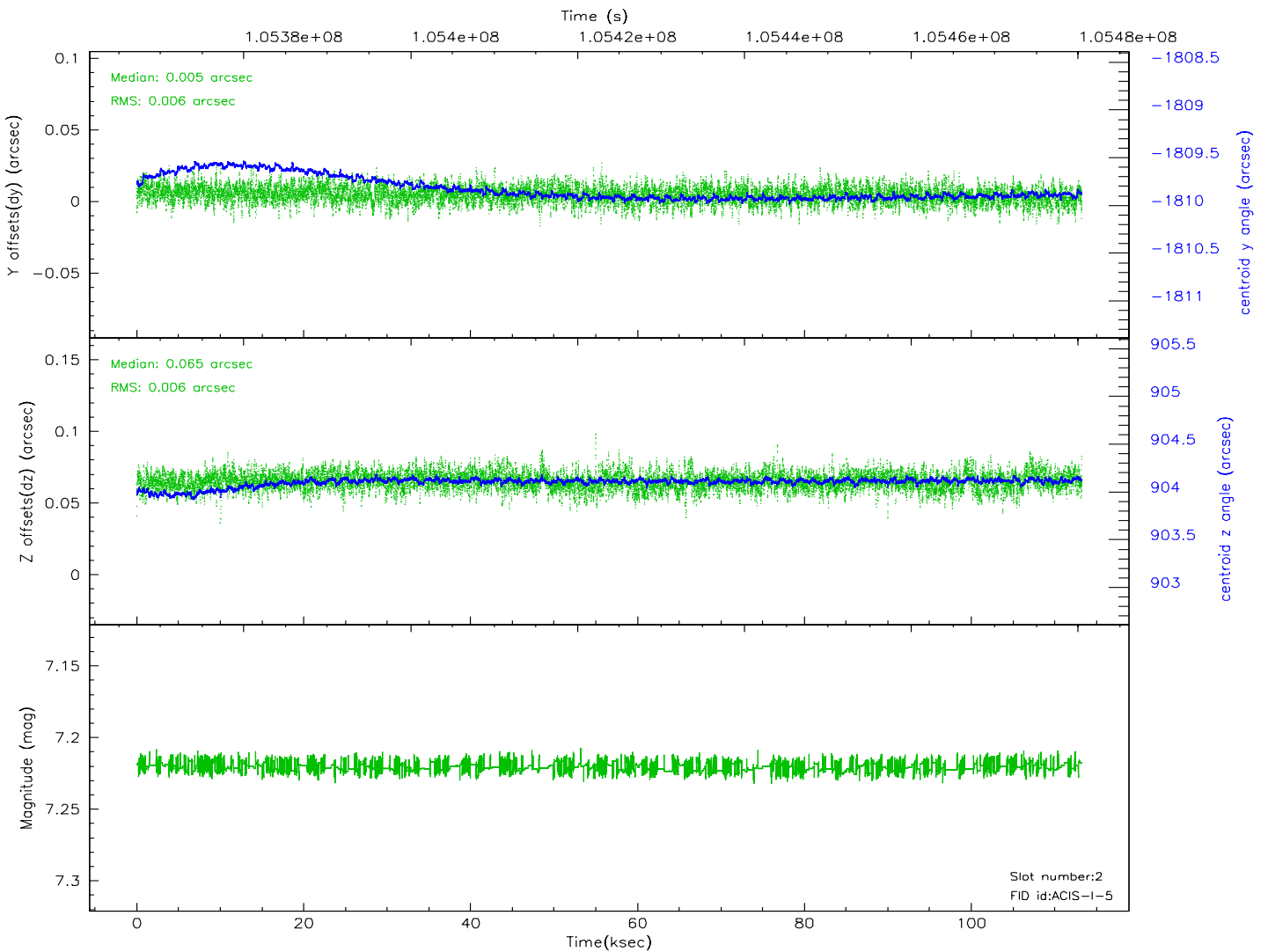
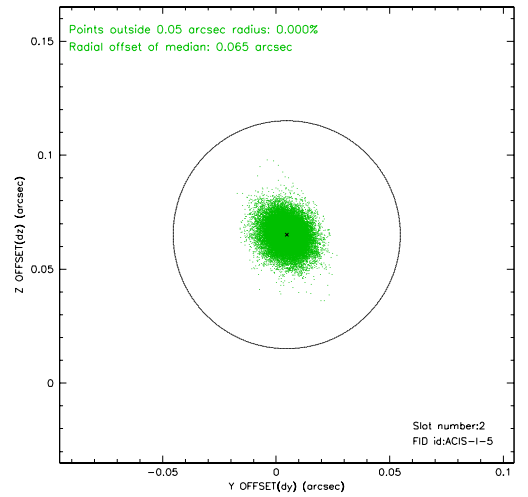
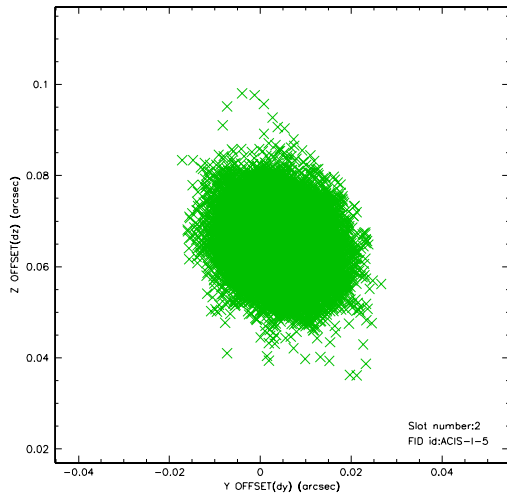
### 2.5.1 Slot 0



## 2.5.2 Slot 1

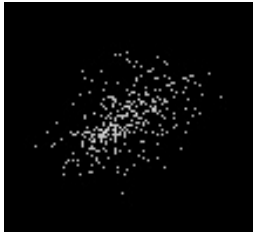


### 2.5.3 Slot 2

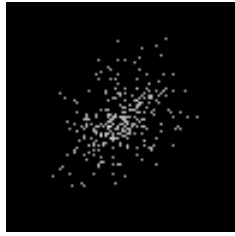


### 3 Point Sources

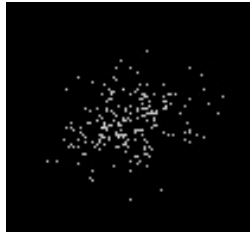
5.15 arcmin



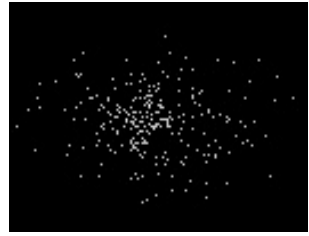
5.01 arcmin



3.88 arcmin



6.96 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	112.805

## A.2 Comments

Comments for Obi 1

Star in slot 7 has an RMS deviation > 0.200000 arcsec