

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1836 - L2 Version 001  
Chandra X-Ray Center

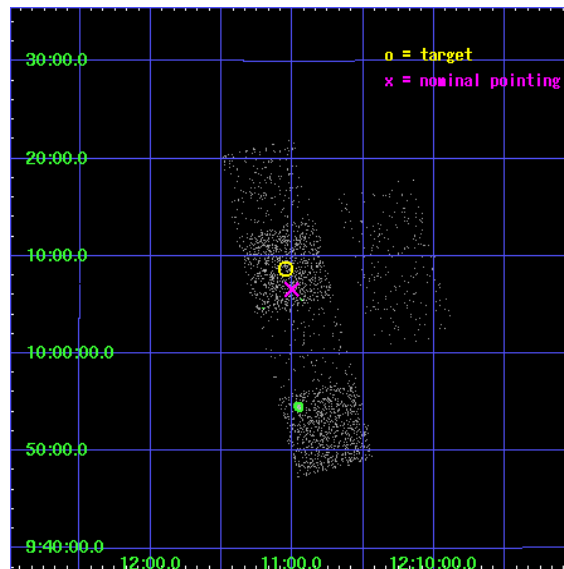
L2 Processing Date : Jun 1 2007

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# 1 Front

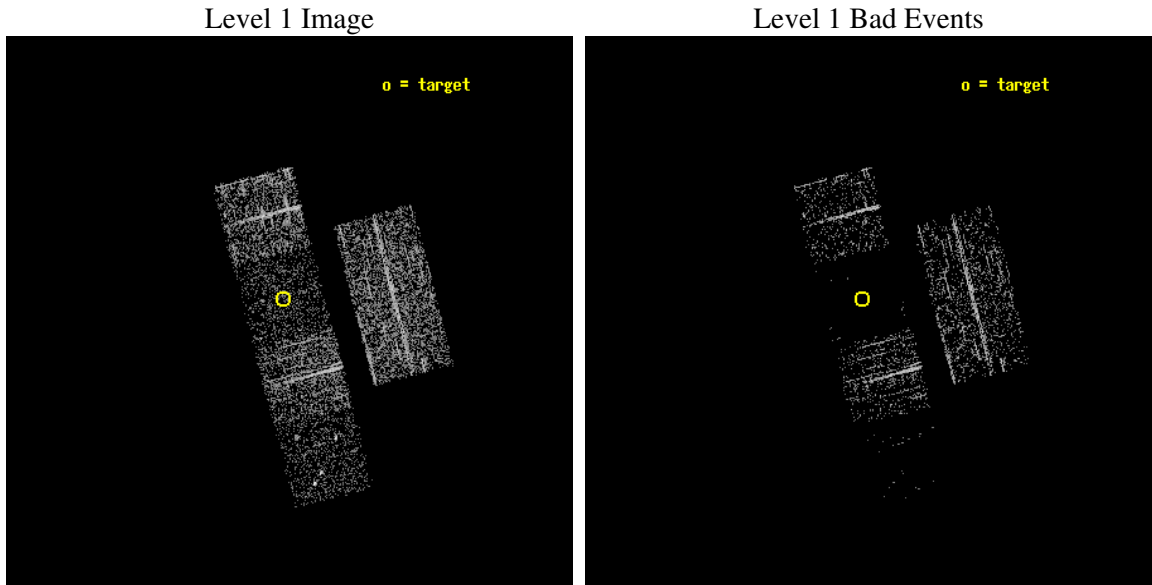
seq_num	100018
obs_id	1836
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2
observer	Dr. Carey Lisse
object	Comet c/LINEAR 1999 S4
dtcycle	0
cycle	P
ra_targ	182.76233
dec_targ	10.14567
ra_nom	182.75079657961
dec_nom	10.109640996367
roll_nom	255.37752035902
revision	3
ontime	1190.4000011086
livetime	1175.3264395218
ontime2	1190.4000011086
ontime3	1190.4000011086
ontime5	1190.4000011086
ontime6	1190.4000011086
ontime7	1190.4000011086
ontime8	1190.4000011086
l2events	2597



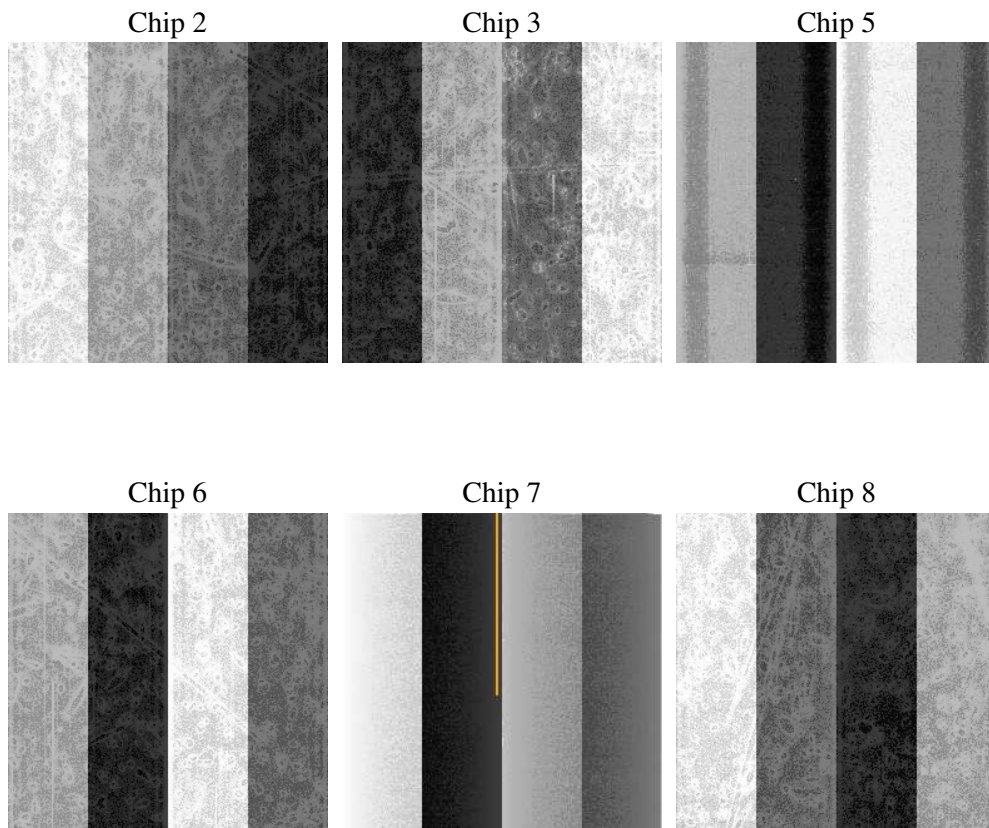
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-01T06:03:40
revision	3

sched_exp_time	1000.000000
ontime	1190.4000011086
ontime2	1190.4000011086
ontime3	1190.4000011086
ontime5	1190.4000011086
ontime6	1190.4000011086
ontime7	1190.4000011086
ontime8	1190.4000011086
l1events	24577

### 2.1.4 Events

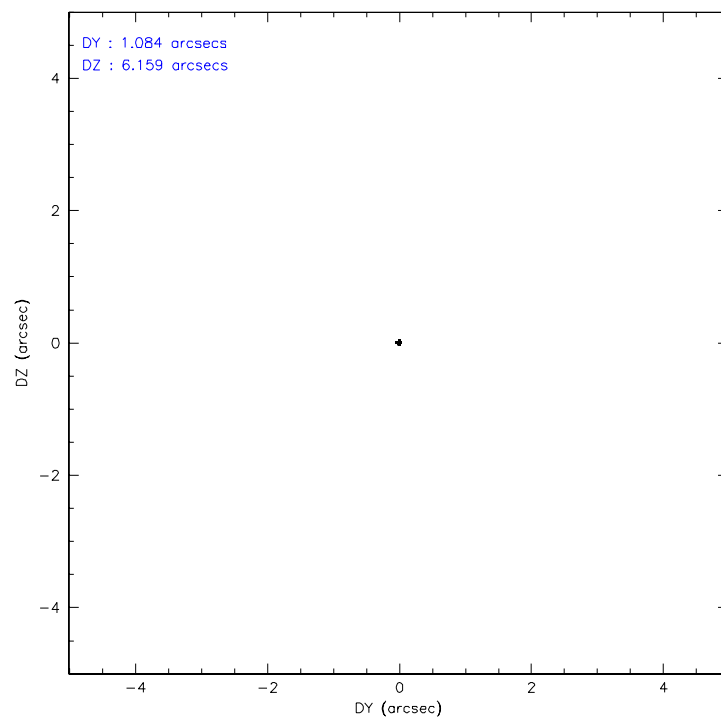
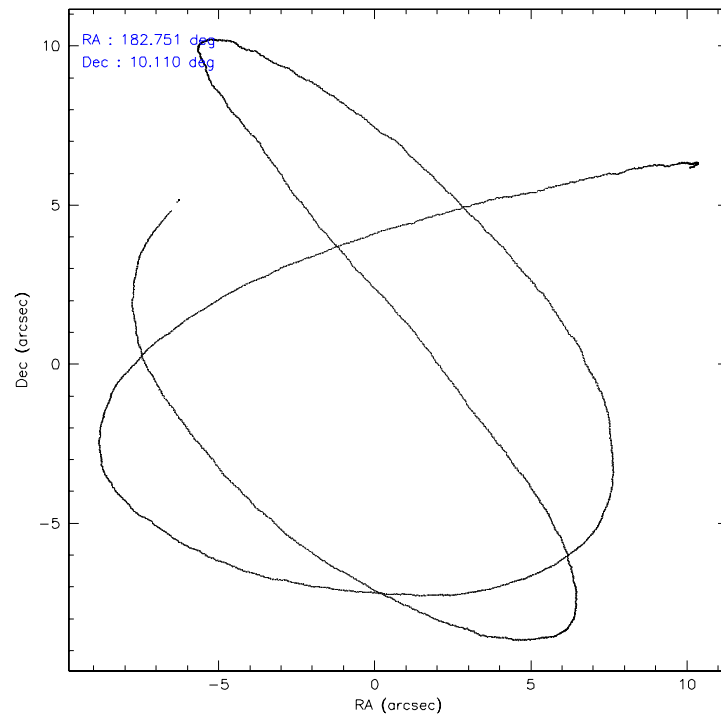
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5628	5189	1877	4717	1561	5605
rejected events	5434	5039	537	4533	433	4654
rejected %	96%	97%	28%	96%	27%	83%

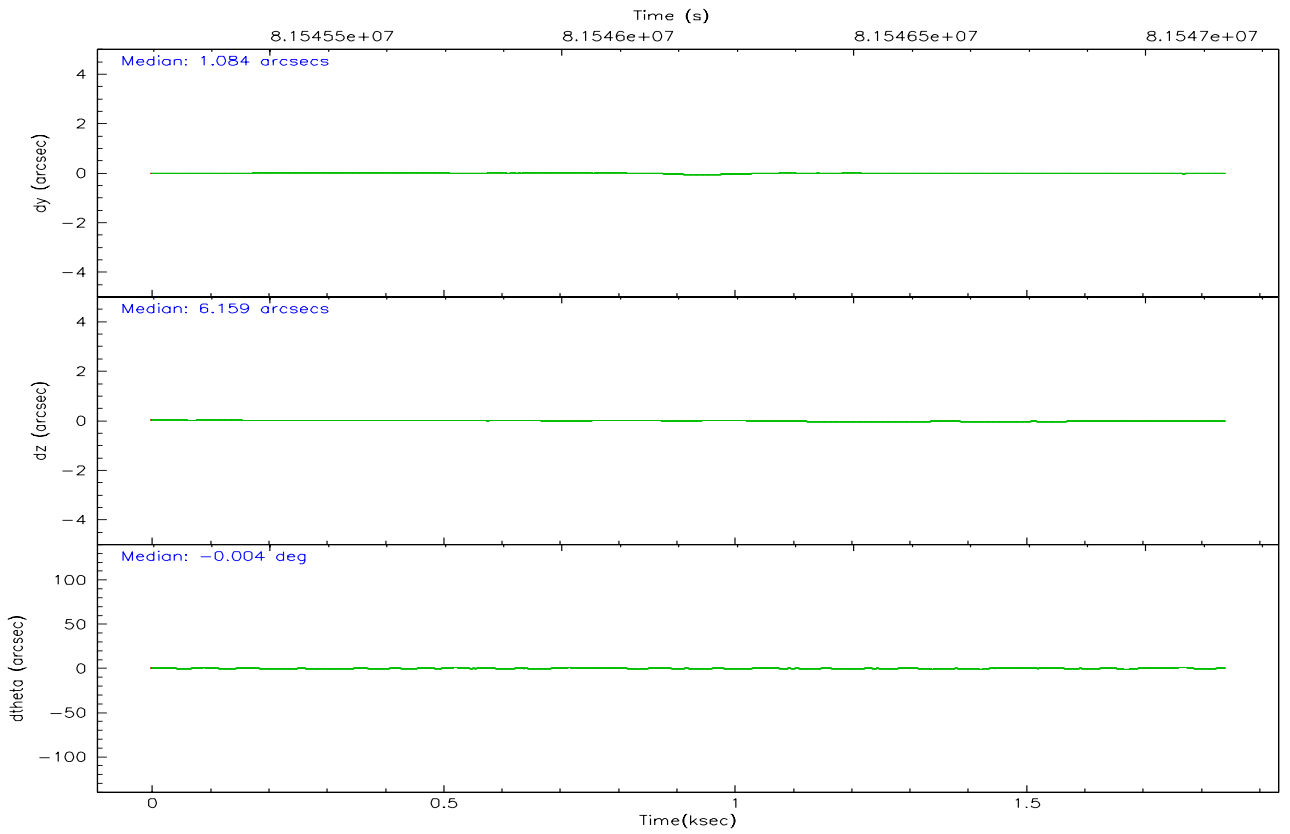
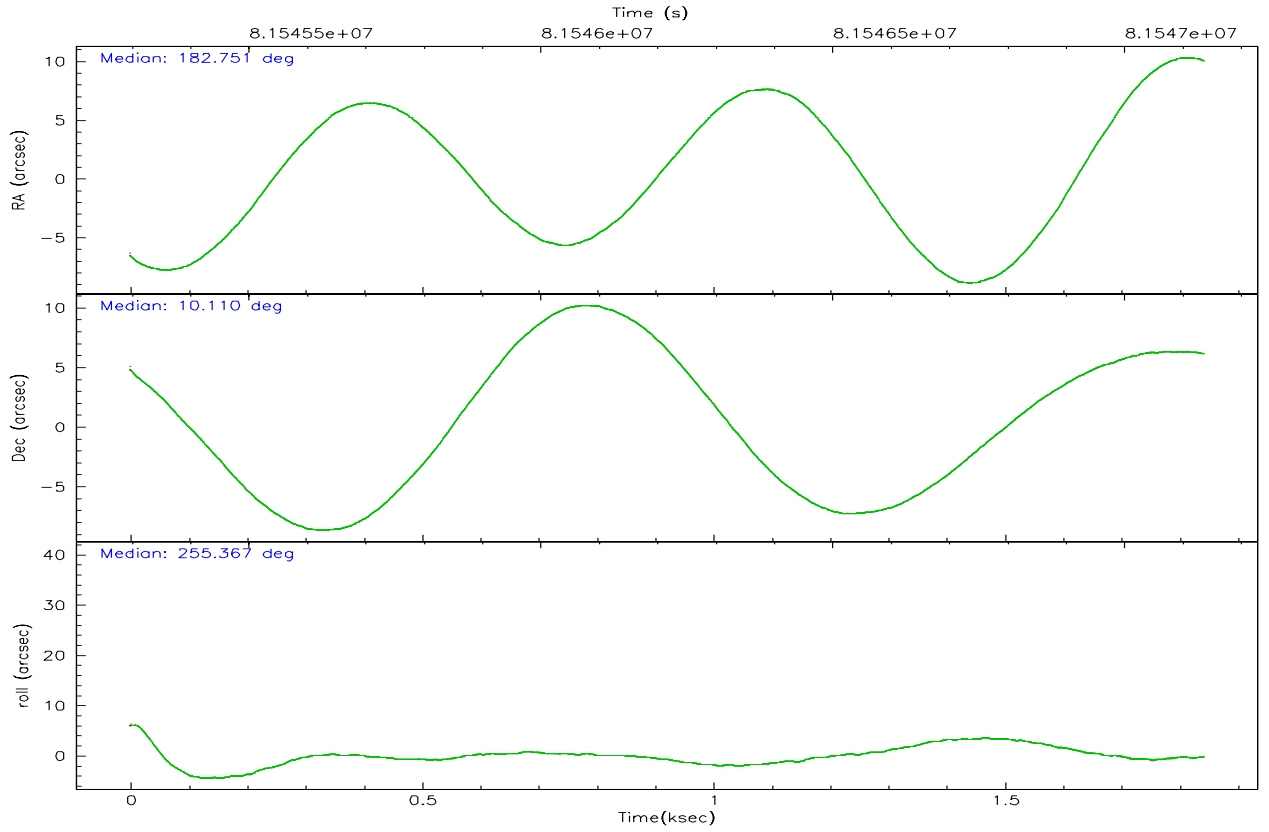
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	101	93	761	93	480	340
	1%	1%	40%	1%	30%	6%
grade 1 events	1	0	10	1	3	8
	0%	0%	0%	0%	0%	0%
grade 2 events	47	16	510	45	377	269
	0%	0%	27%	0%	24%	4%
grade 3 events	32	31	137	30	187	117
	0%	0%	7%	0%	11%	2%
grade 4 events	38	31	132	37	174	120
	0%	0%	7%	0%	11%	2%
grade 5 events	6	3	40	2	22	34
	0%	0%	2%	0%	1%	0%
grade 6 events	23	11	150	8	228	350
	0%	0%	7%	0%	14%	6%
grade 7 events	5380	5004	137	4501	90	4367
	95%	96%	7%	95%	5%	77%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	182.743311	182.7507965796126	Subarray requested	NONE	NONE
Pointing Dec	10.136135	10.10964099636674	Alternating exposures requested	N	N
Pointing Roll	255.222243	255.377520359022	Primary exposure time	3.200000	3.2
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	81545490.184000	81545114.441508			
Observation start date	2000-08-01T19:30:26	2000-08-01T19:25:14			
Observation end time	81546490.184000	81547450.929095			
Observation end date	2000-08-01T19:47:06	2000-08-01T20:04:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect



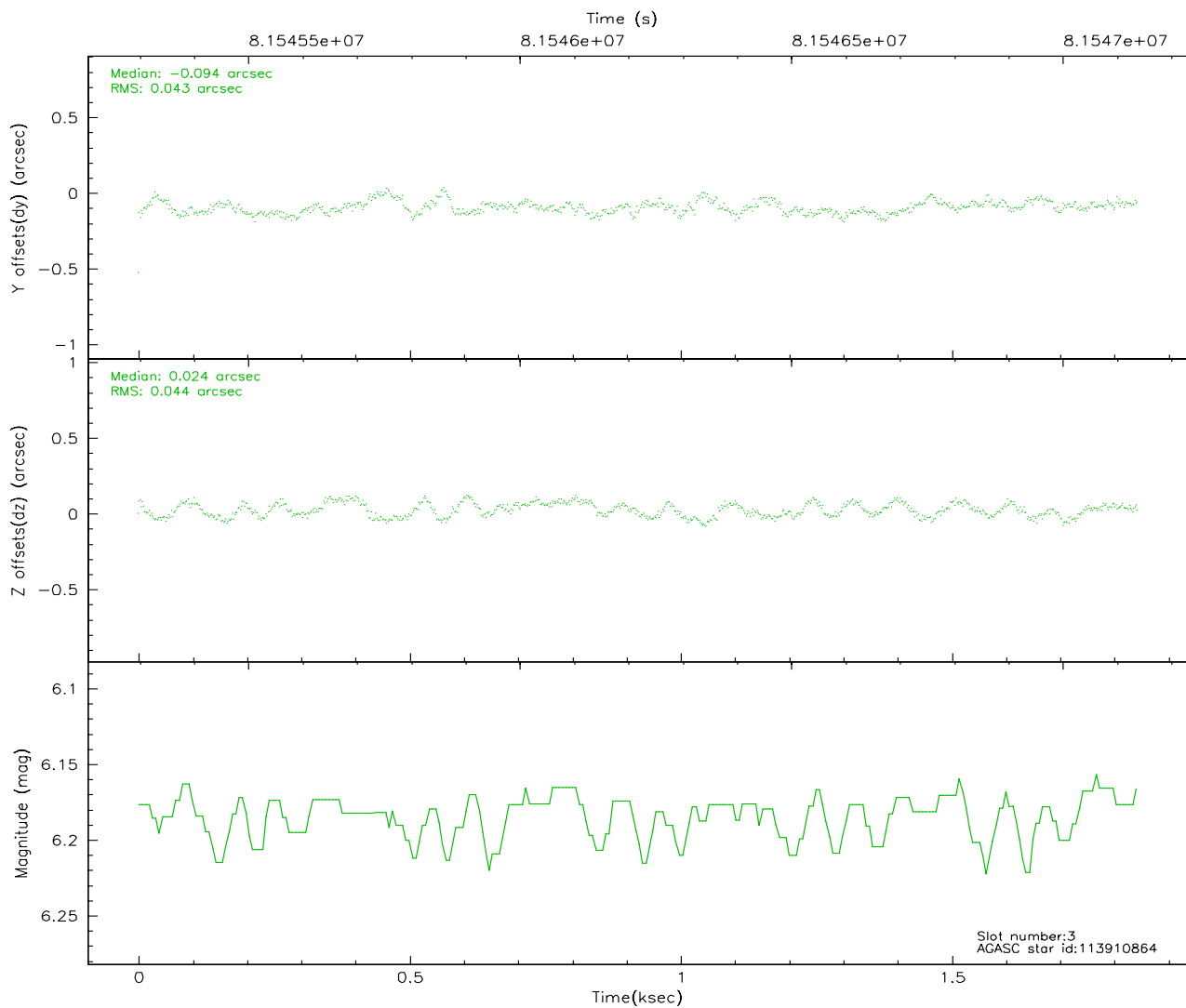
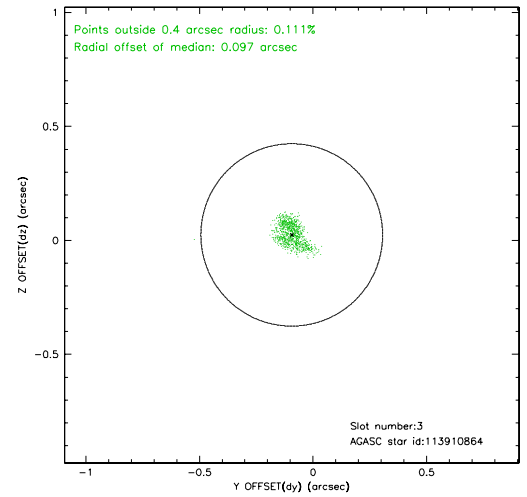
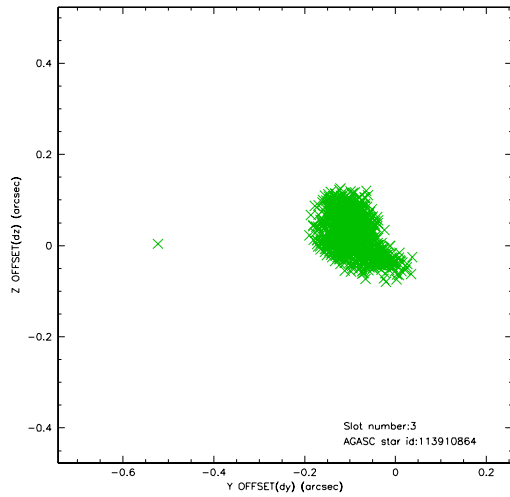


### Slot Statistics

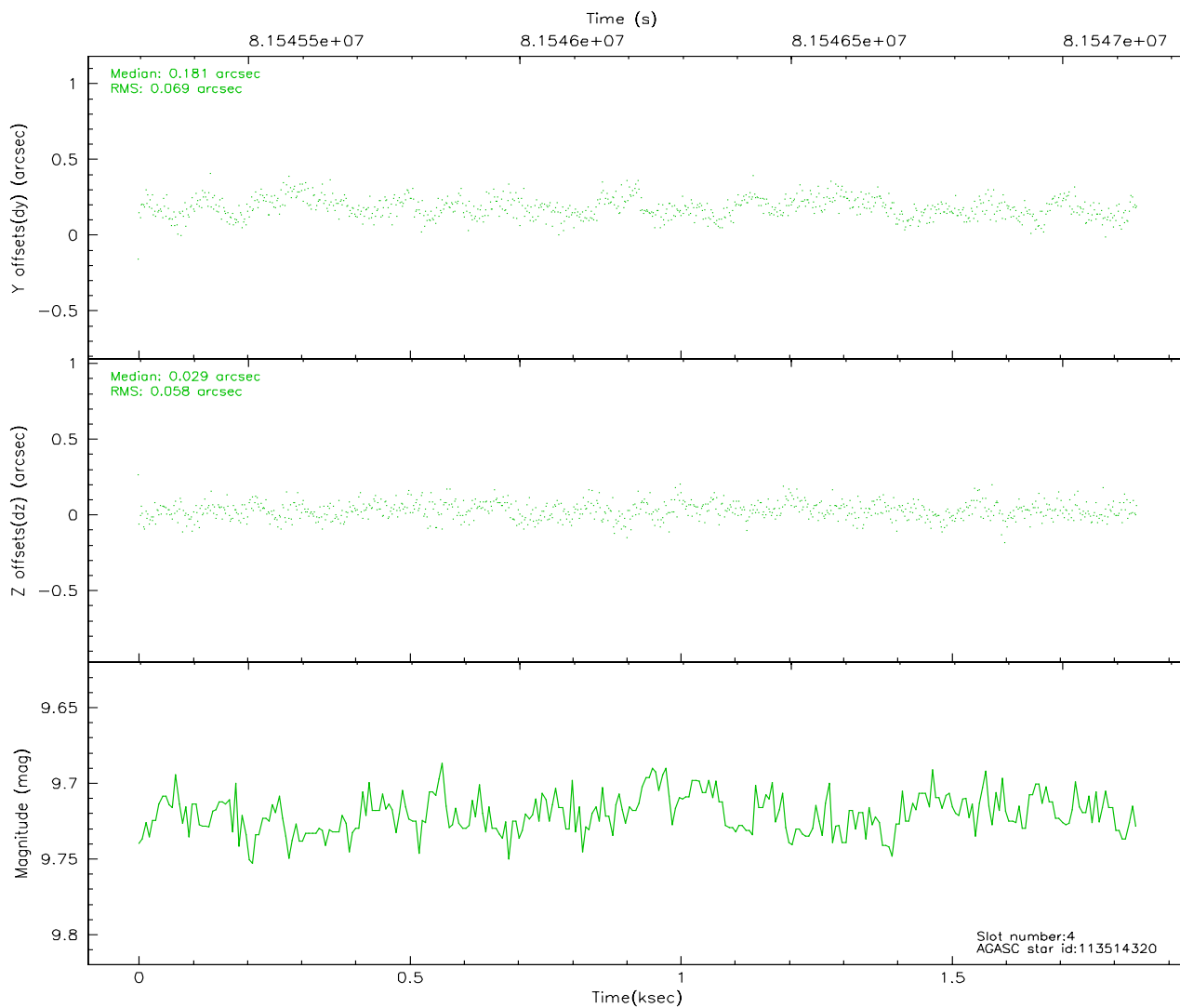
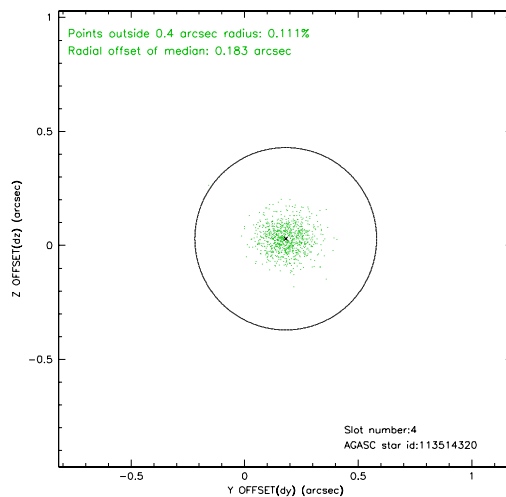
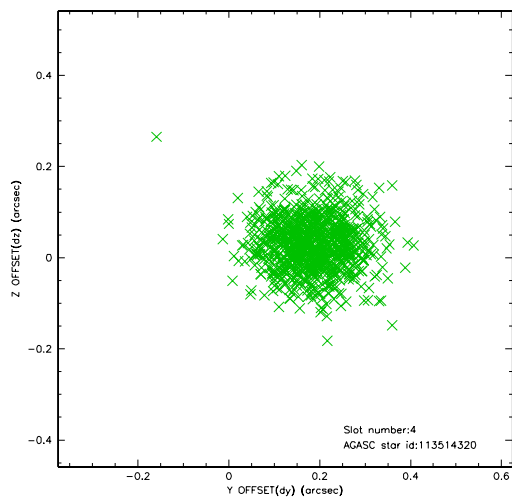
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	450	-0.034	0.020	0.006	0.009	0.000000	0.000000	-753.69	-1727.23
1	FID	ACIS-S-4	7.21	450	-0.034	0.011	0.004	0.008	0.000000	0.000000	2157.97	177.58
2	FID	ACIS-S-5	7.23	450	0.036	-0.022	0.006	0.009	0.000000	0.000000	-1801.88	175.25
3	GUIDE	113910864	6.18	900	-0.094	0.024	0.065	0.100	183.358076	10.262342	-996.71	1988.17
4	GUIDE	113514320	9.72	900	0.181	0.029	0.093	0.159	183.030216	9.556614	1756.44	1518.58
5	GUIDE	113909720	7.53	900	-0.013	-0.050	0.071	0.120	183.372953	10.041634	-240.22	2245.10
6	GUIDE	113905264	10.20	900	-0.052	-0.120	0.100	0.169	182.445692	10.343633	-453.43	-1208.46
7	GUIDE	113906616	7.92	897	-0.022	0.111	0.067	0.105	183.239714	10.037718	-107.71	1789.50

## 2.4 Star Slots

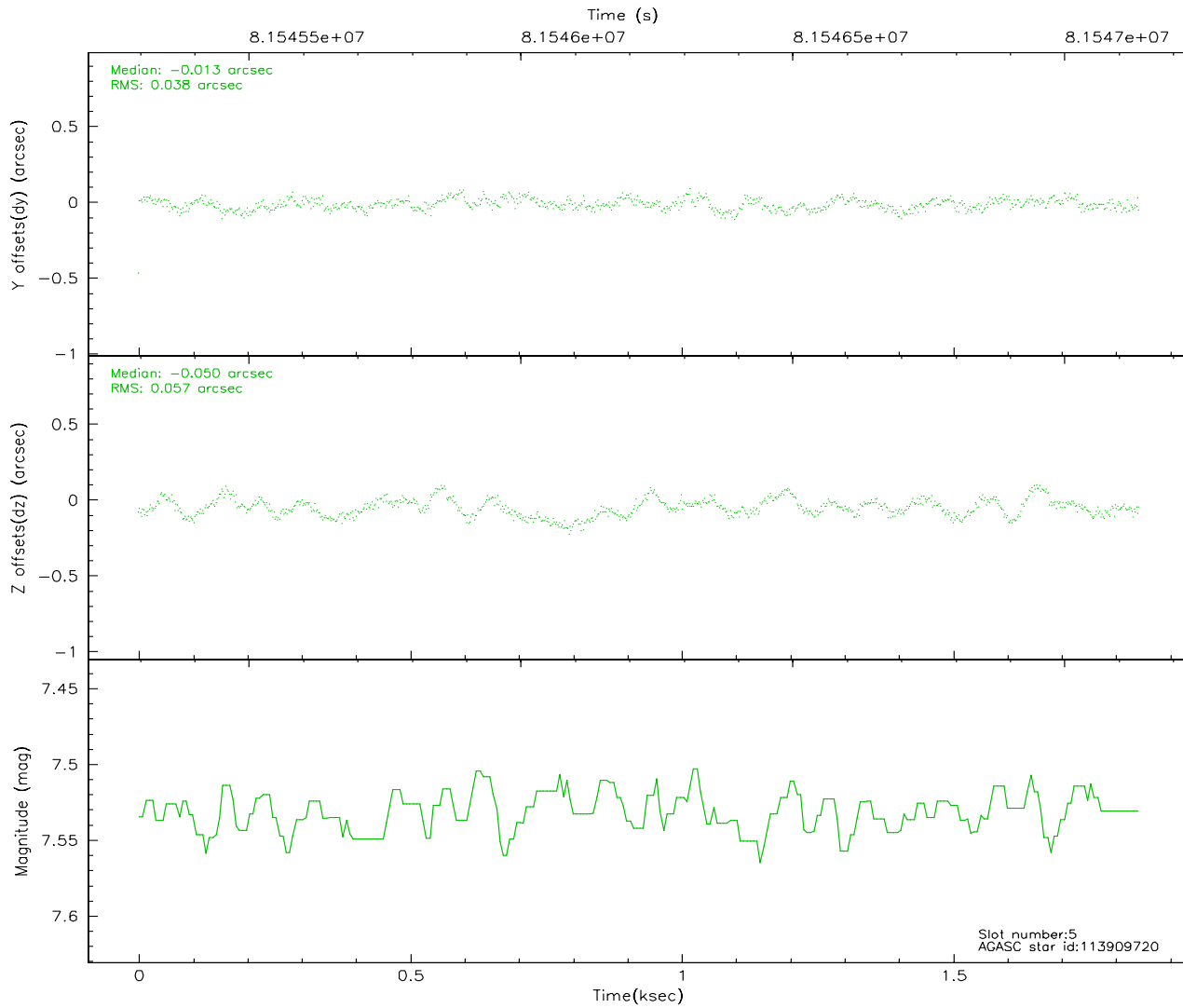
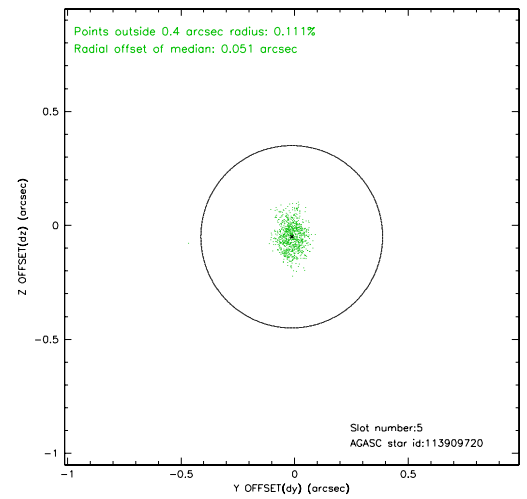
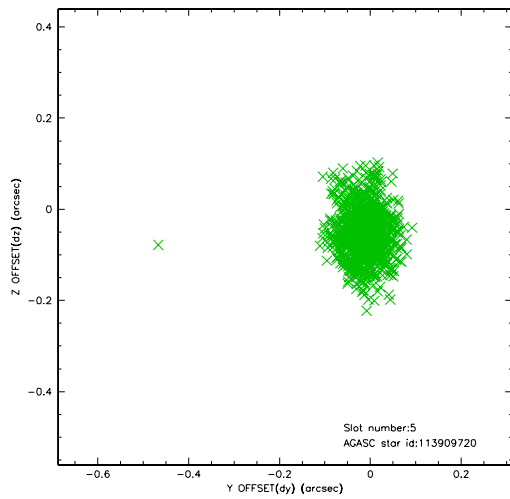
### 2.4.1 Slot 3



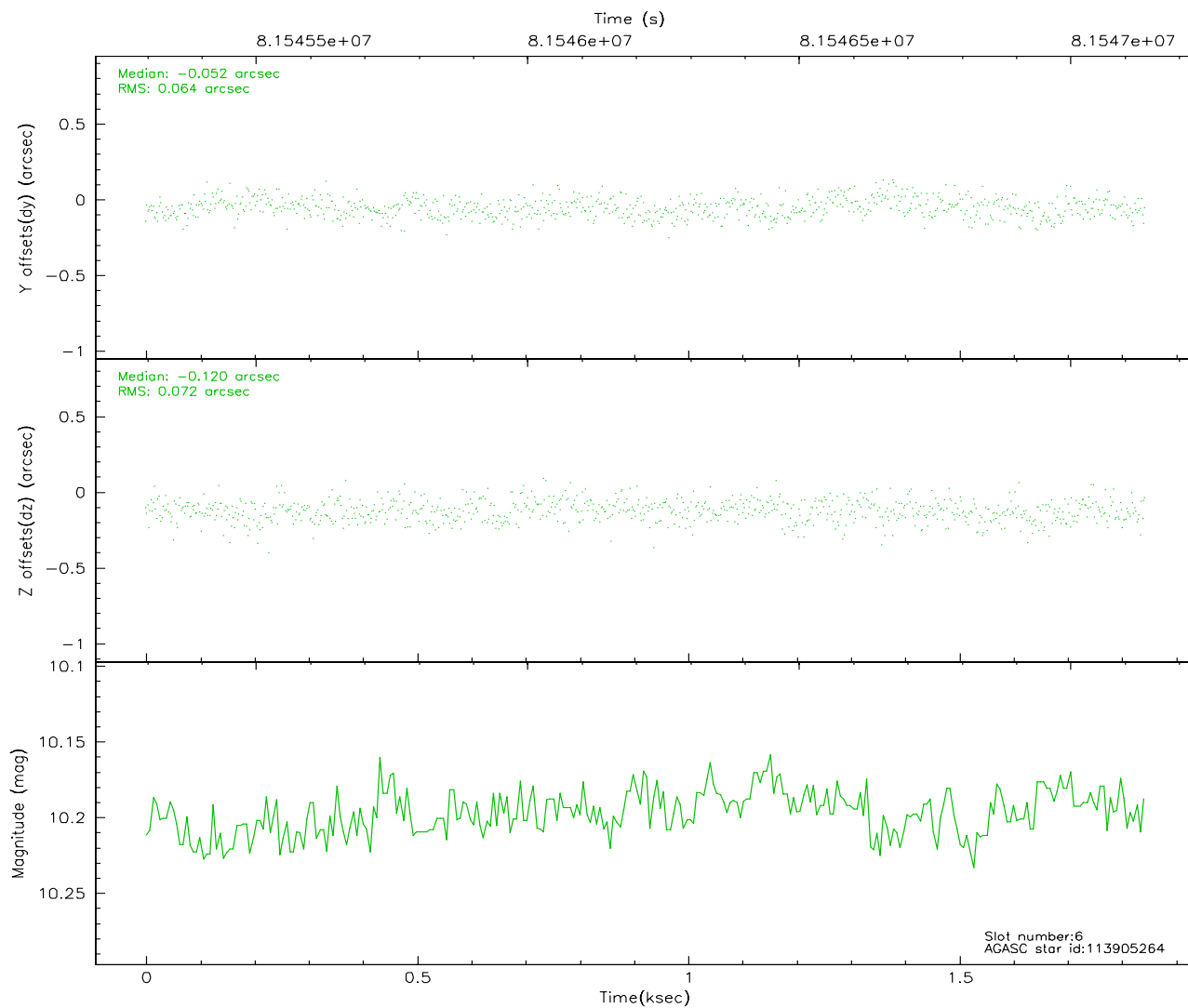
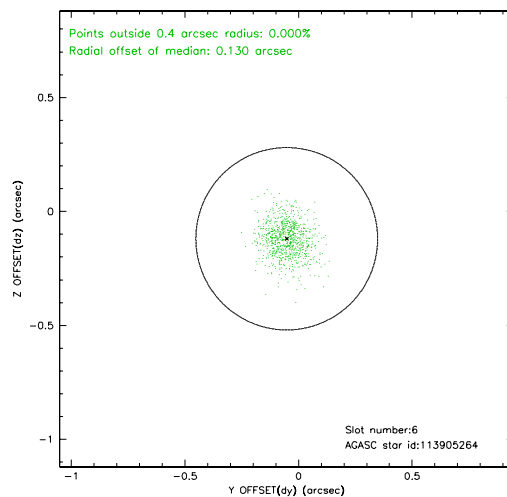
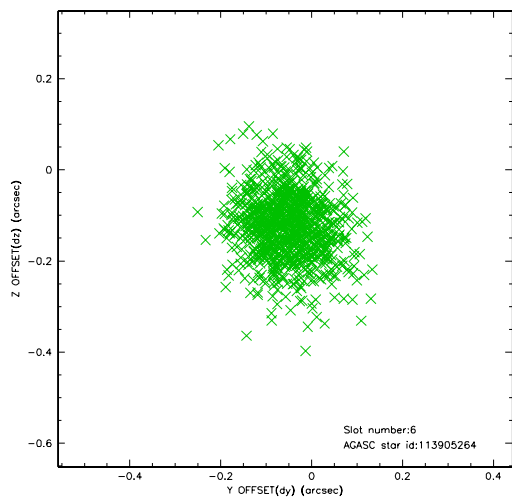
## 2.4.2 Slot 4



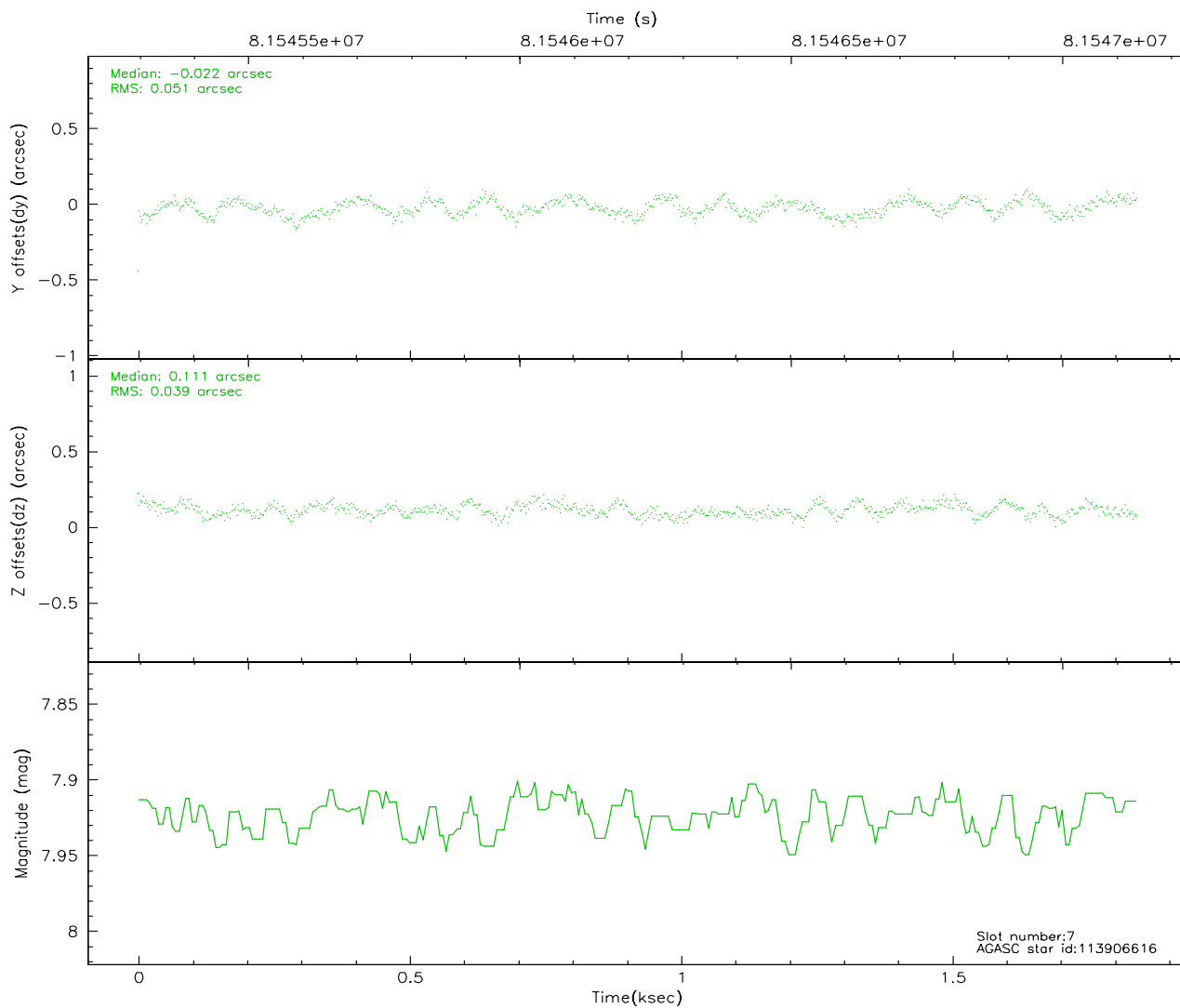
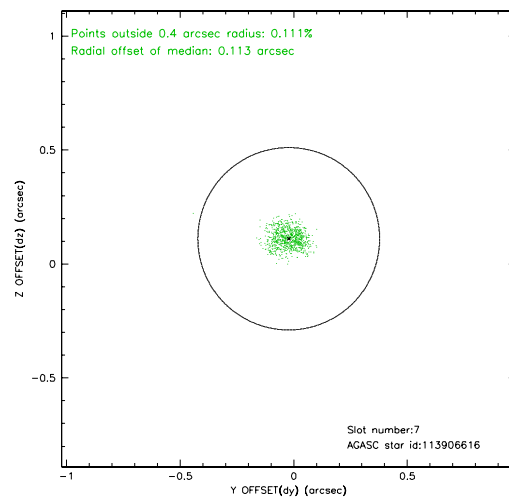
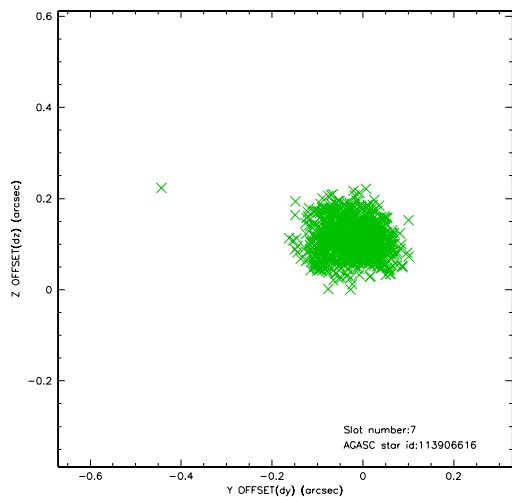
### 2.4.3 Slot 5



## 2.4.4 Slot 6

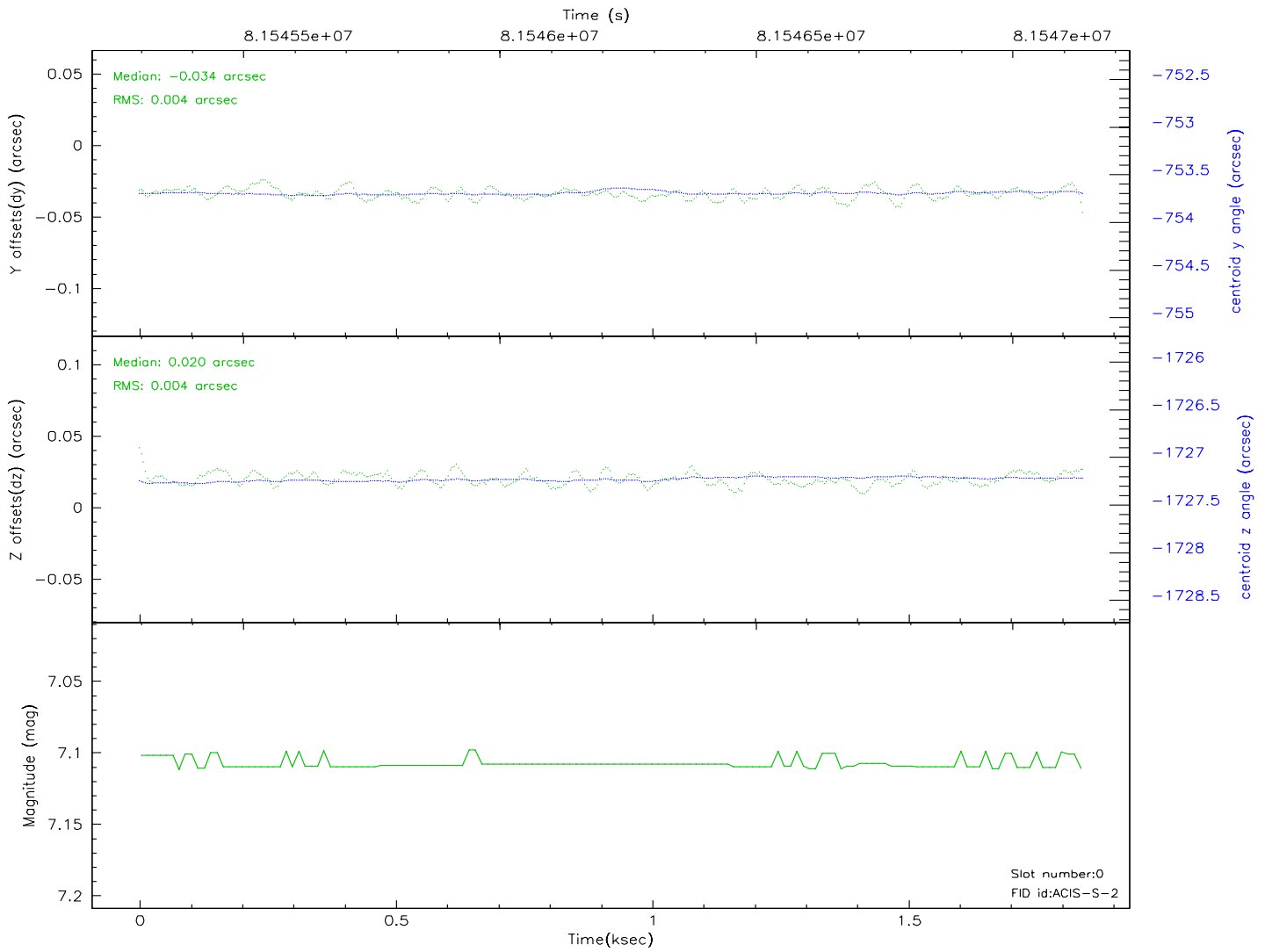
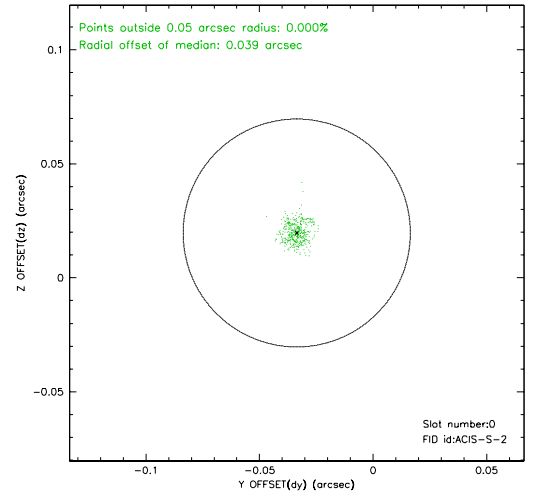
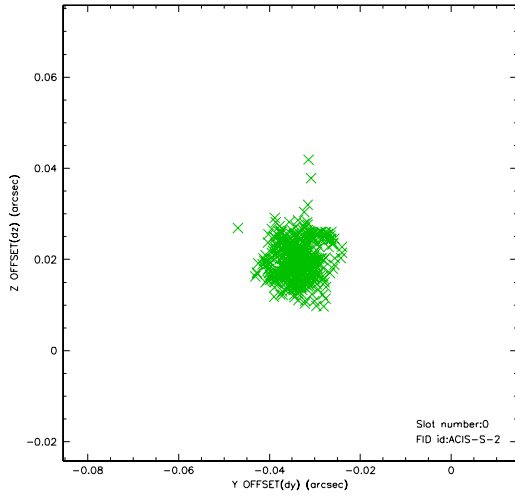


## 2.4.5 Slot 7

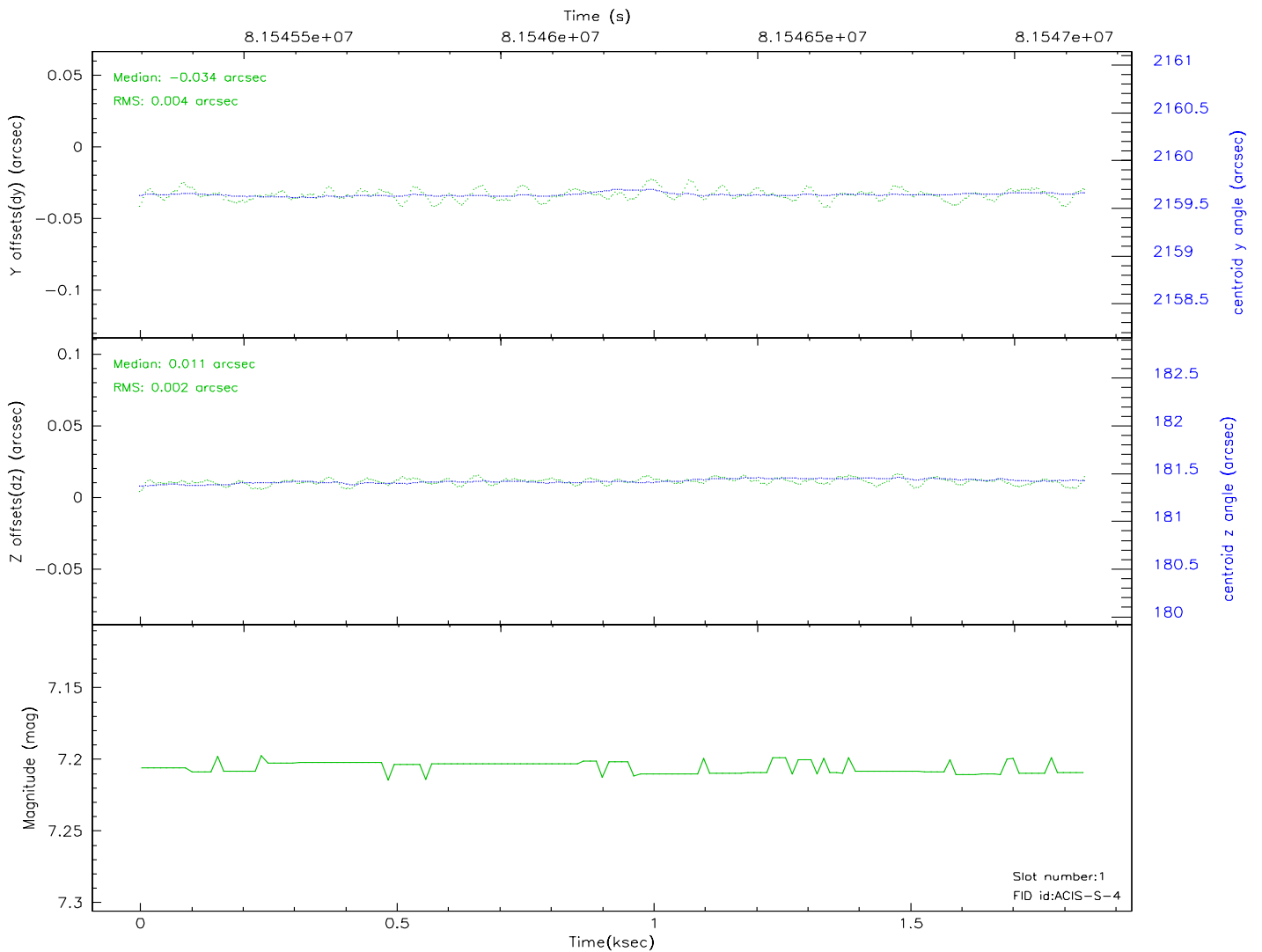
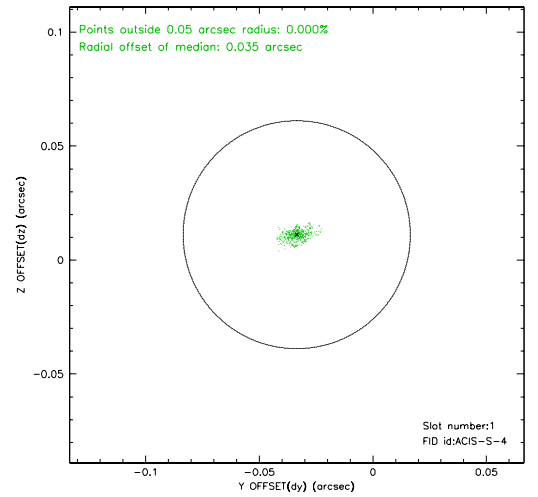
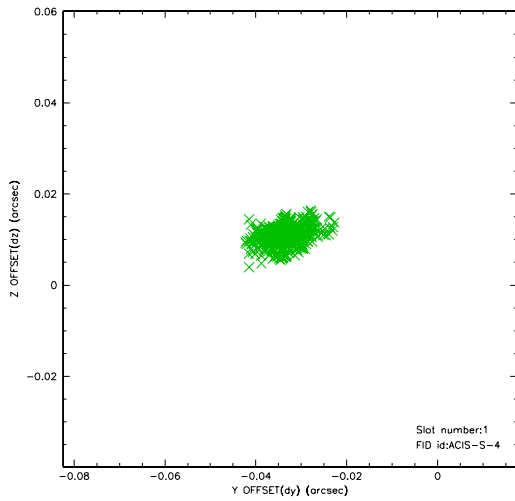


## 2.5 FID Slots

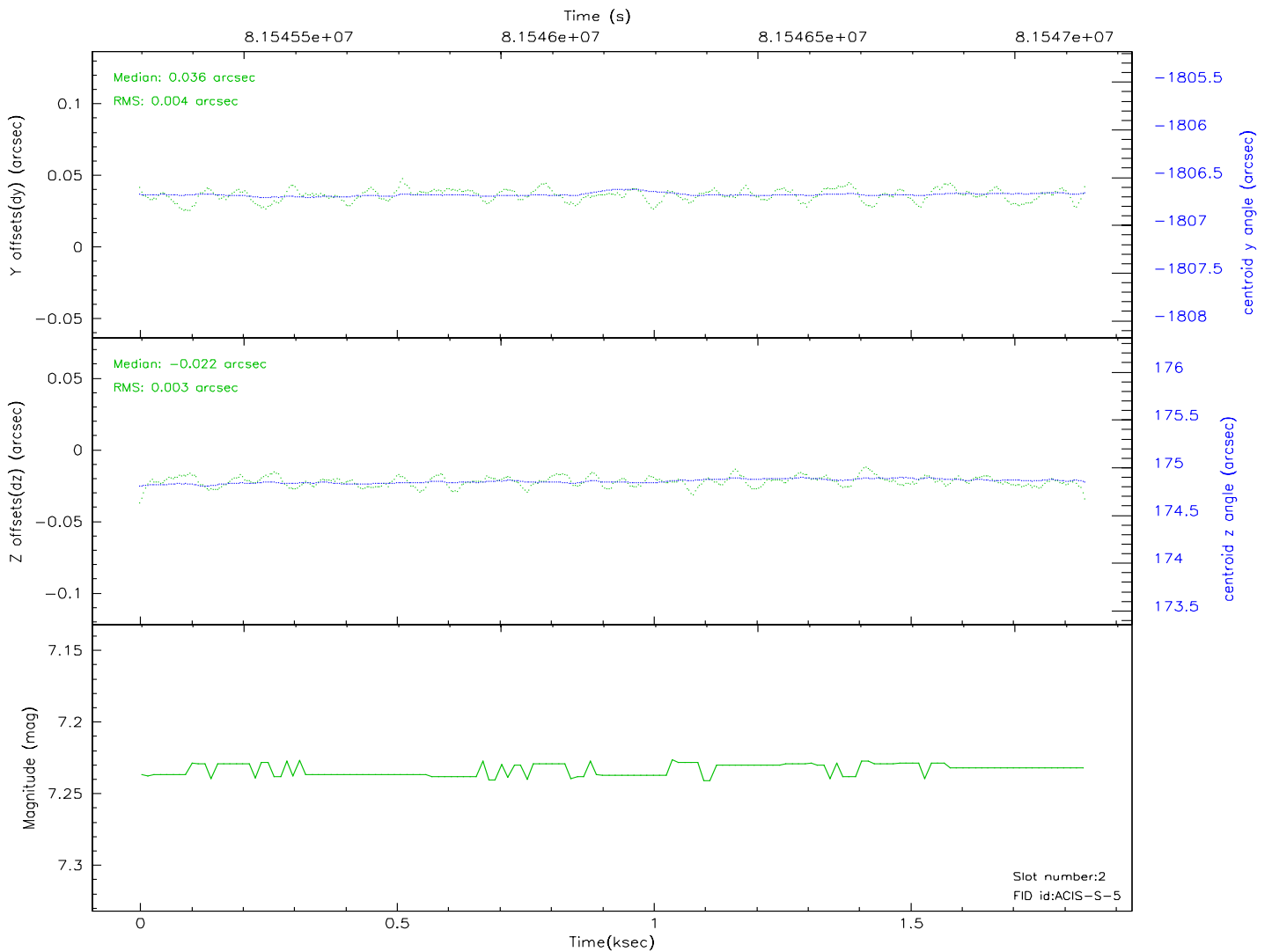
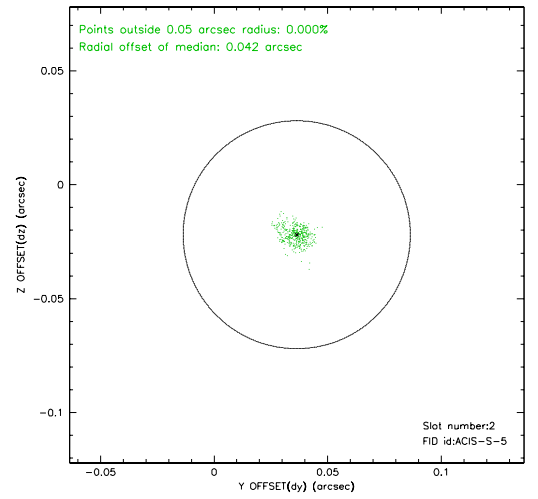
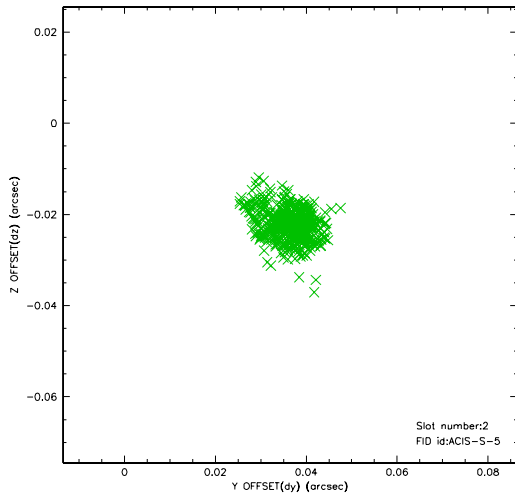
### 2.5.1 Slot 0



## 2.5.2 Slot 1

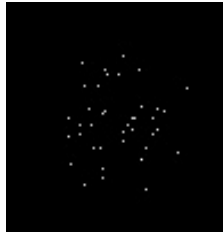


### 2.5.3 Slot 2



### 3 Point Sources

12.10 arcmin



3.53 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

## A.2 Comments