

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1766 - L2 Version 001  
Chandra X-Ray Center

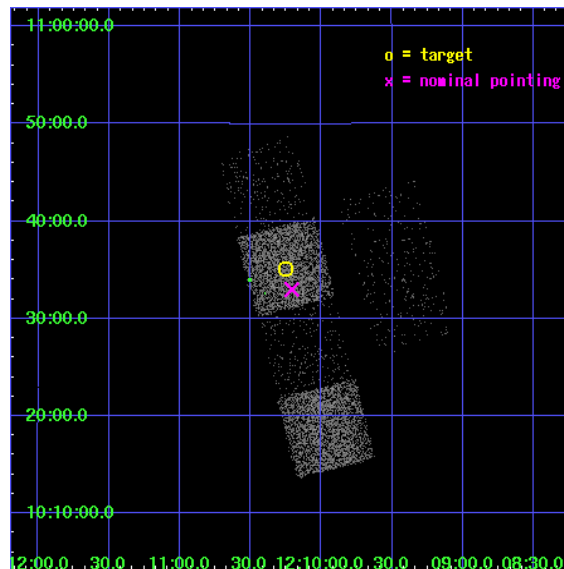
L2 Processing Date : Jun 1 2007

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# 1 Front

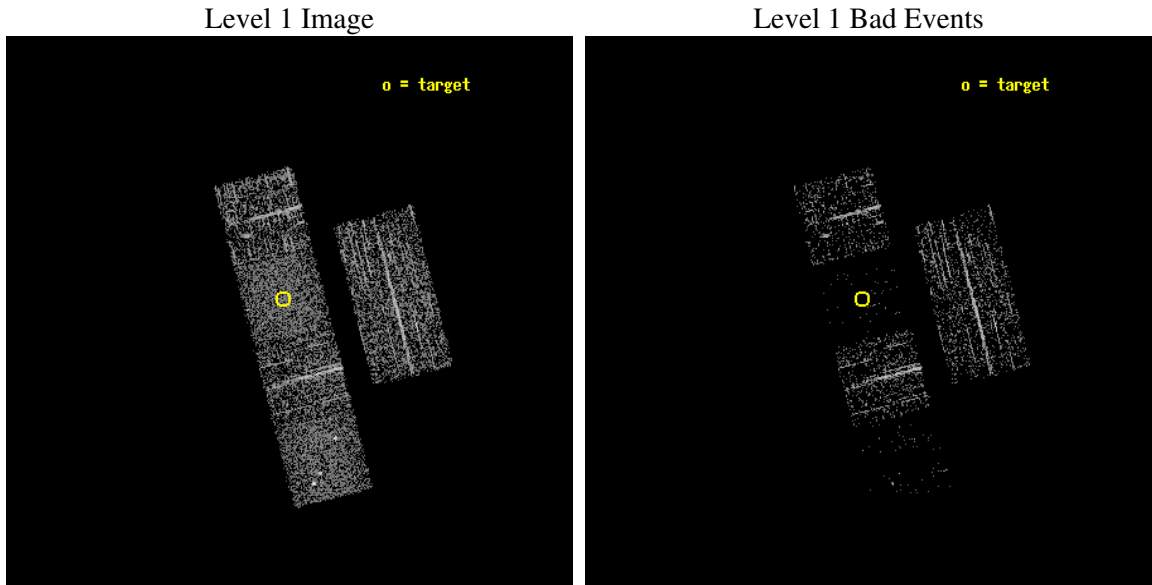
seq_num	100004
obs_id	1766
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2
observer	Dr. Carey Lisse
object	Comet c/LINEAR 1999 S4
dtcycle	0
cycle	P
ra_targ	182.56373
dec_targ	10.58592
ra_nom	182.55214354419
dec_nom	10.550130243951
roll_nom	255.69231601339
revision	3
ontime	1193.6000011116
livetime	1178.4859191979
ontime2	1193.6000011116
ontime3	1193.6000011116
ontime5	1193.6000011116
ontime6	1193.6000011116
ontime7	1193.6000011116
ontime8	1193.6000011116
l2events	8571



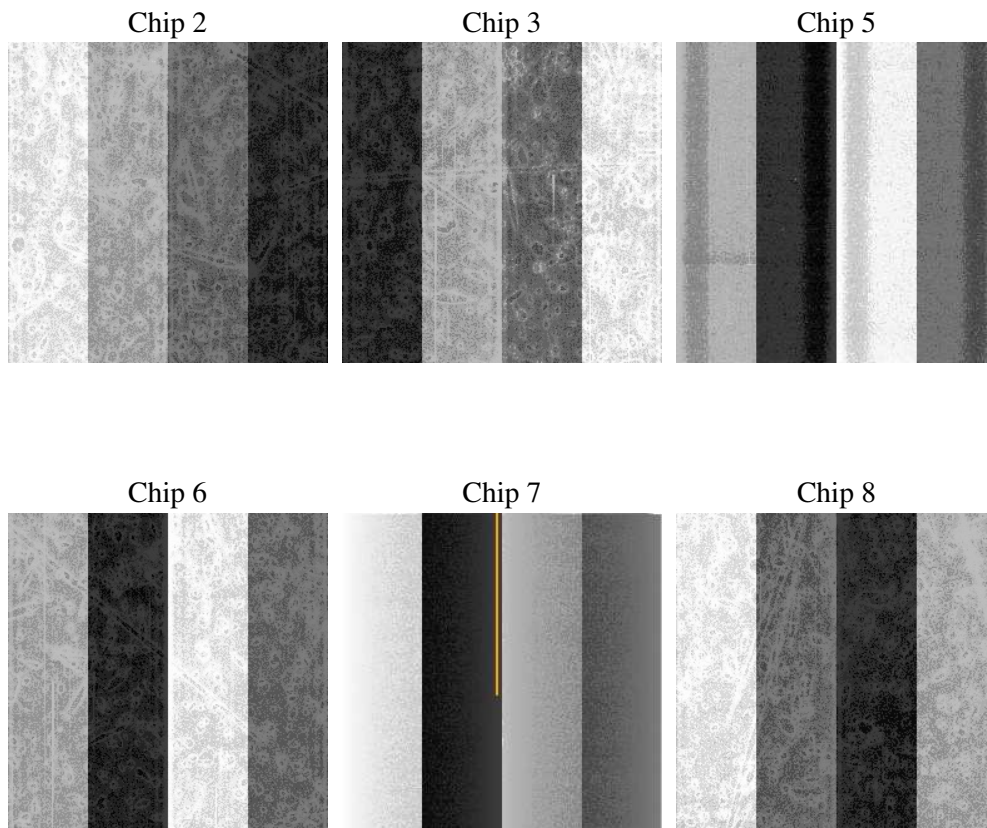
## 2 OBI

### 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	2007-06-01T04:29:44
revision	3

sched_exp_time	1000.000000
ontime	1193.6000011116
ontime2	1193.6000011116
ontime3	1193.6000011116
ontime5	1193.6000011116
ontime6	1193.6000011116
ontime7	1193.6000011116
ontime8	1193.6000011116
l1events	32889

### 2.1.4 Events

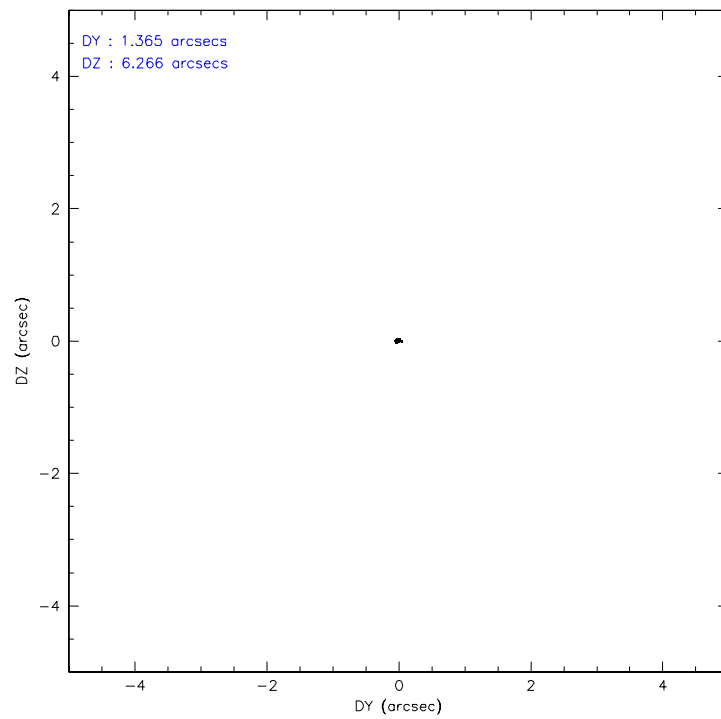
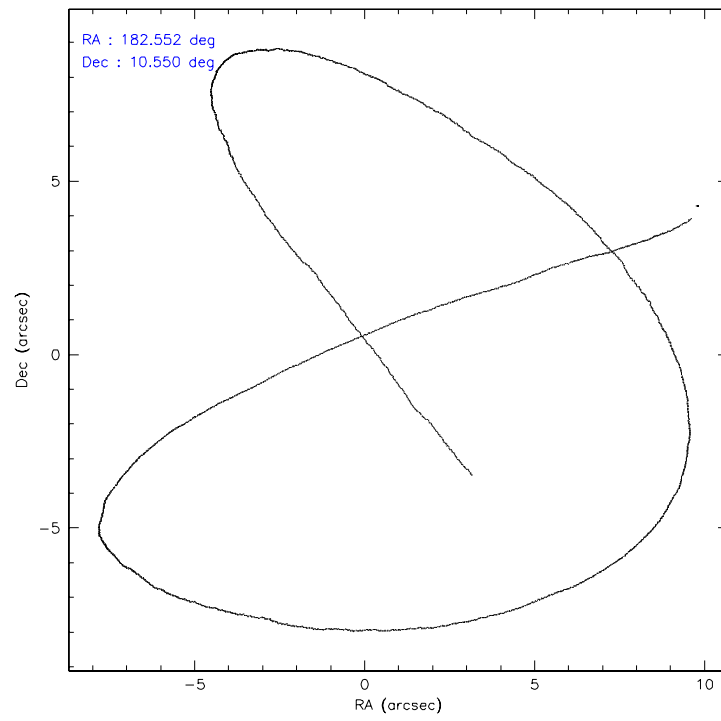
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5876	5728	4933	5699	4639	6014
rejected events	5626	5556	713	5387	531	4795
rejected %	95%	96%	14%	94%	11%	79%

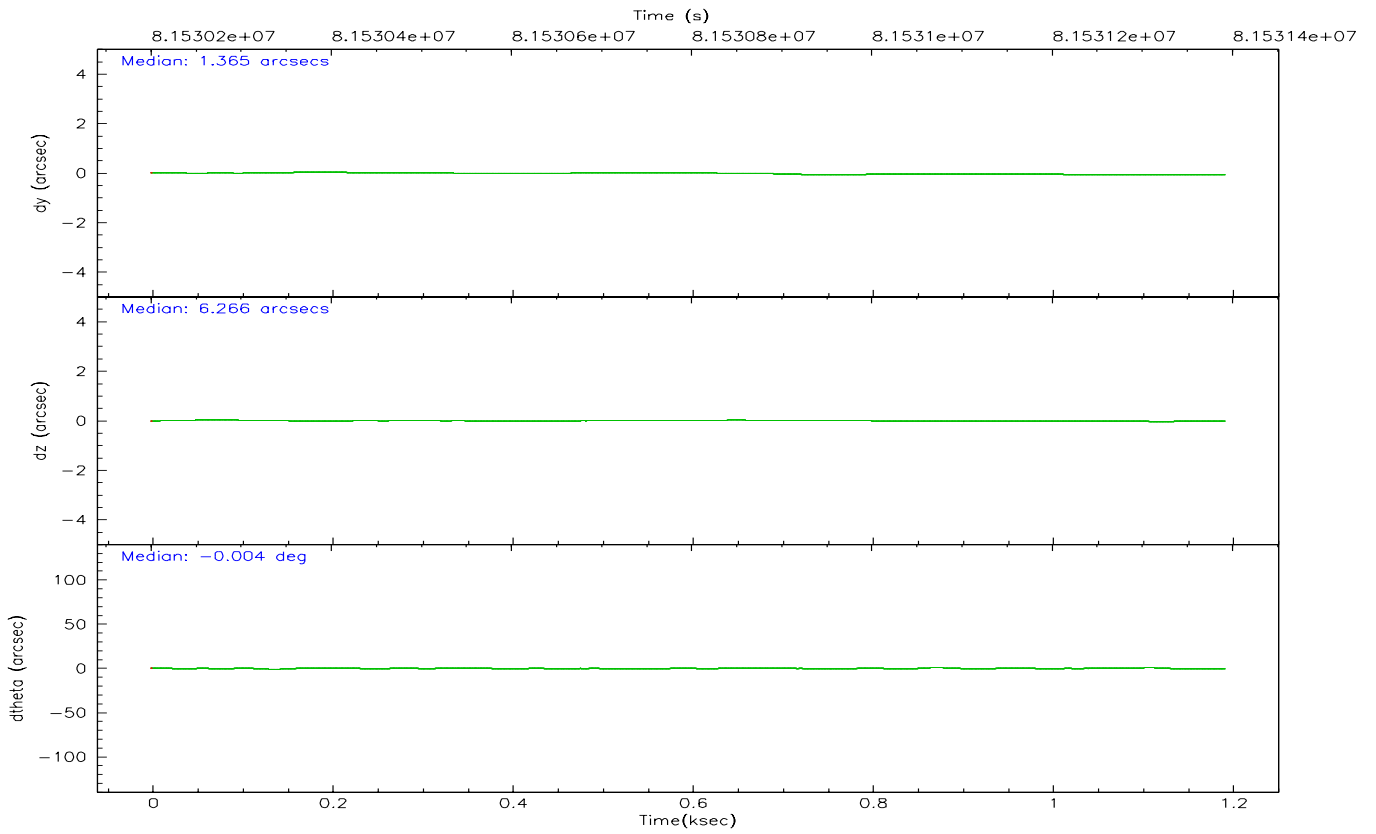
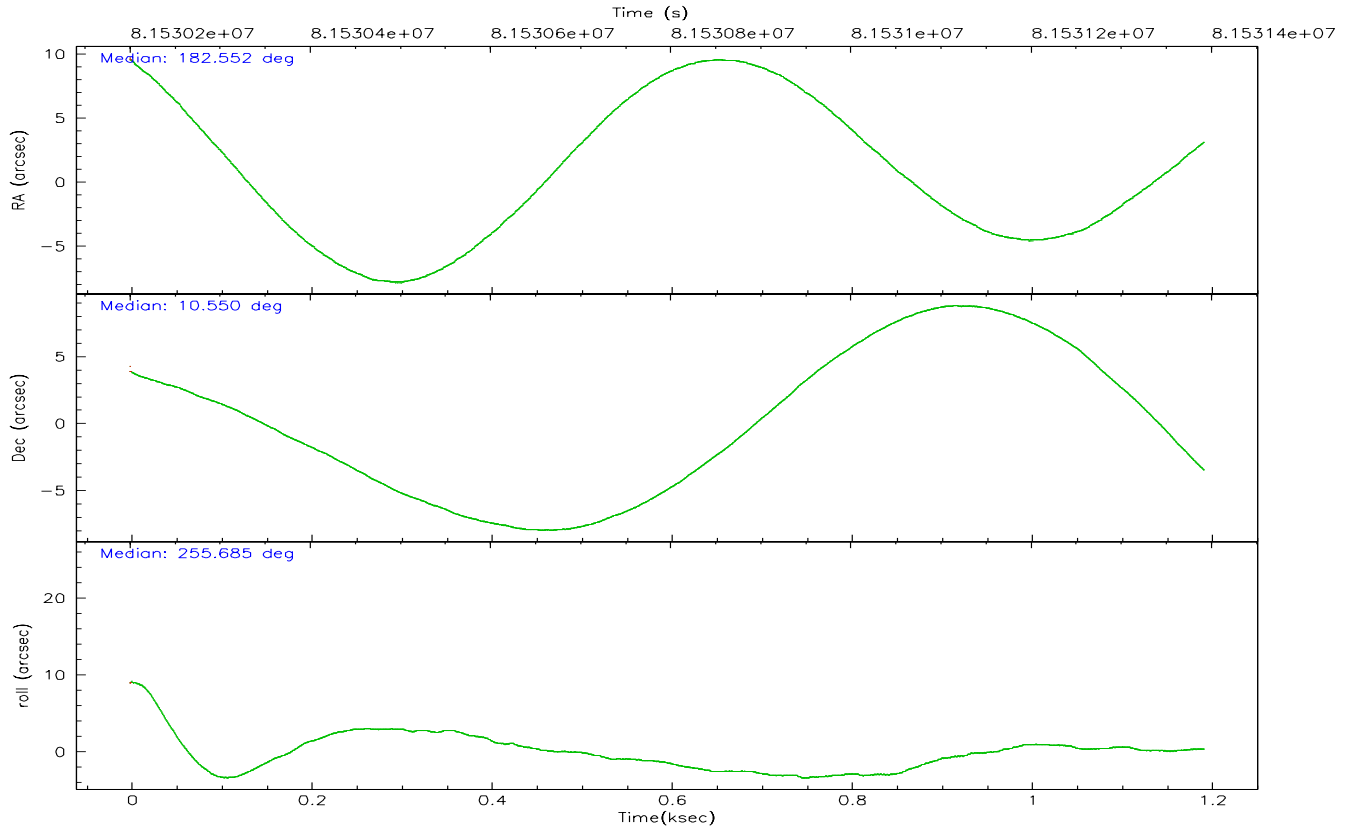
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	153	117	1973	281	1437	501
	2%	2%	39%	4%	30%	8%
grade 1 events	1	3	21	3	3	2
	0%	0%	0%	0%	0%	0%
grade 2 events	34	21	1294	29	1127	257
	0%	0%	26%	0%	24%	4%
grade 3 events	37	37	445	35	528	217
	0%	0%	9%	0%	11%	3%
grade 4 events	38	27	410	40	505	185
	0%	0%	8%	0%	10%	3%
grade 5 events	3	4	65	4	40	21
	0%	0%	1%	0%	0%	0%
grade 6 events	28	18	517	14	878	310
	0%	0%	10%	0%	18%	5%
grade 7 events	5582	5501	208	5293	121	4521
	94%	96%	4%	92%	2%	75%

## 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	182.544737	182.5521435441915	Subarray requested	NONE	NONE
Pointing Dec	10.576277	10.55013024395138	Alternating exposures requested	N	N
Pointing Roll	255.537000	255.6923160133904	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	81530390.184000	81530014.653446			
Observation start date	2000-08-01T15:18:46	2000-08-01T15:13:34			
Observation end time	81531390.184000	81531524.47850201			
Observation end date	2000-08-01T15:35:26	2000-08-01T15:38:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



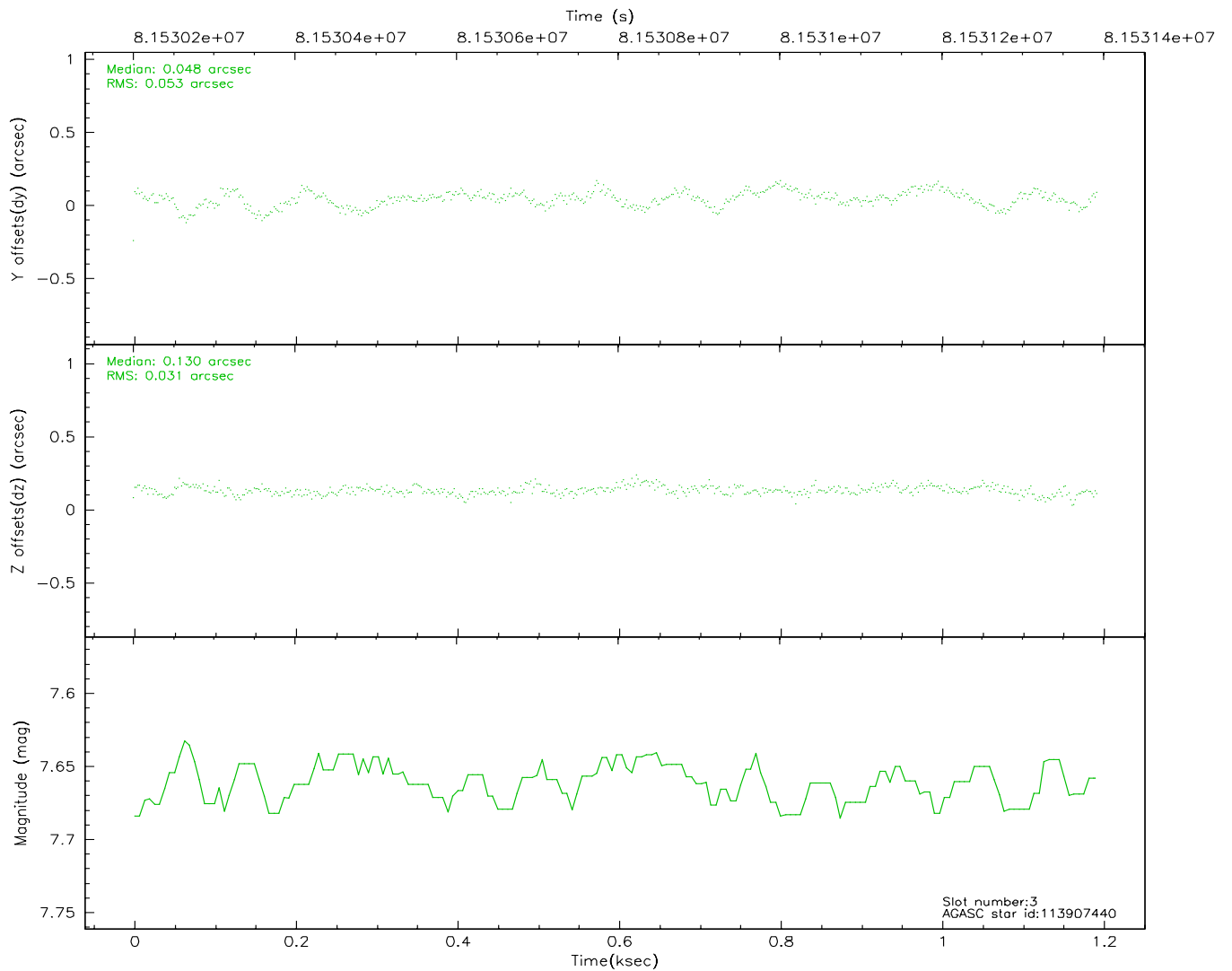
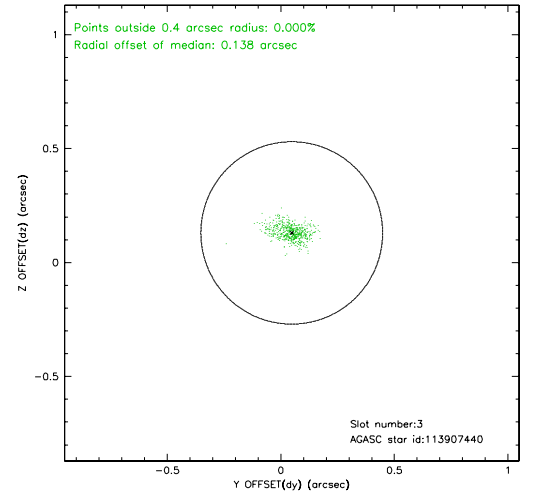
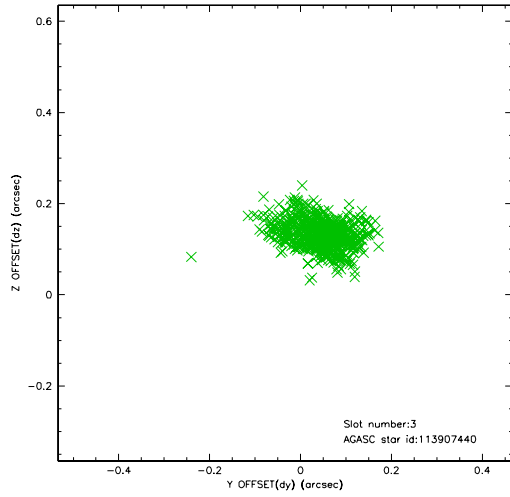


### Slot Statistics

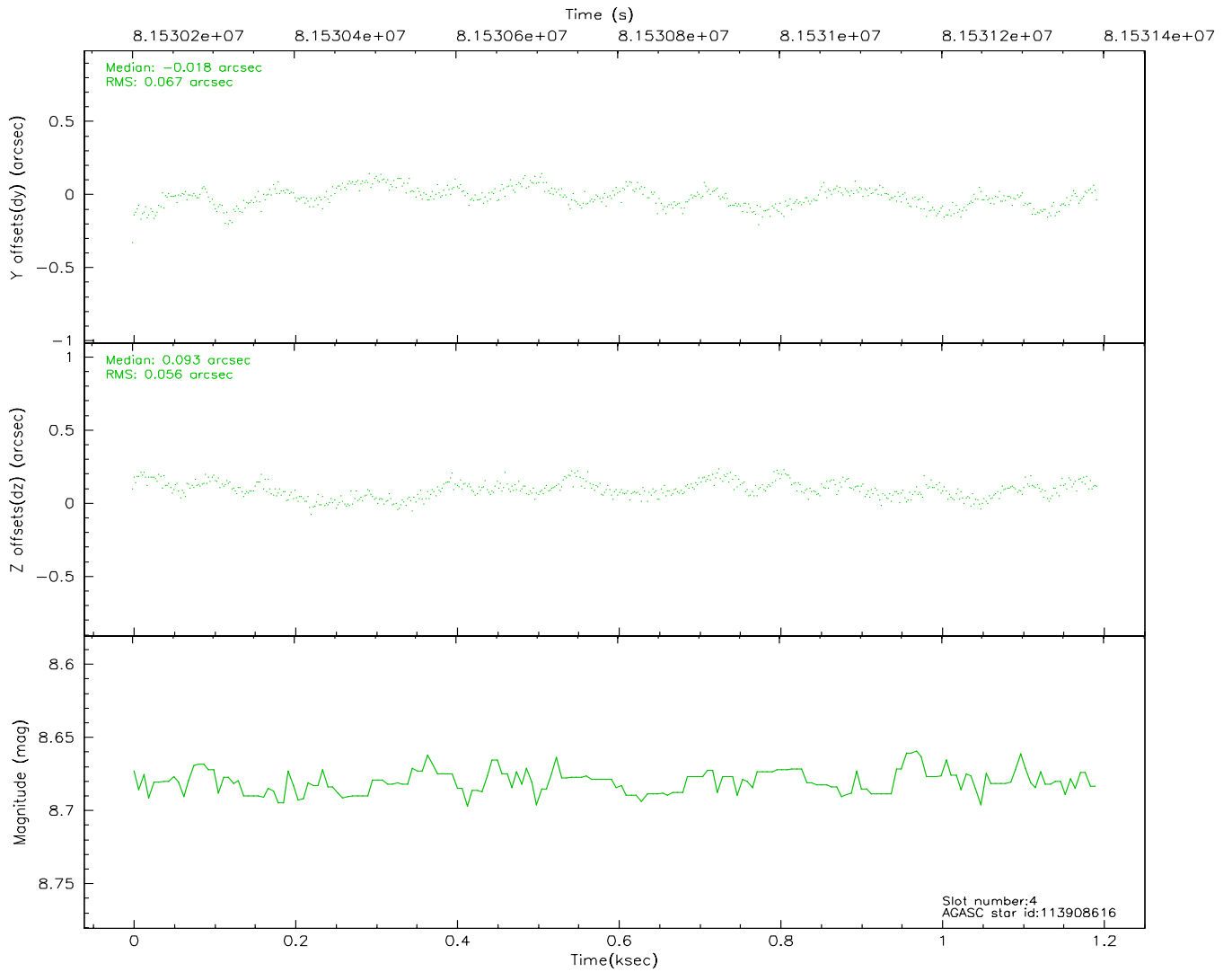
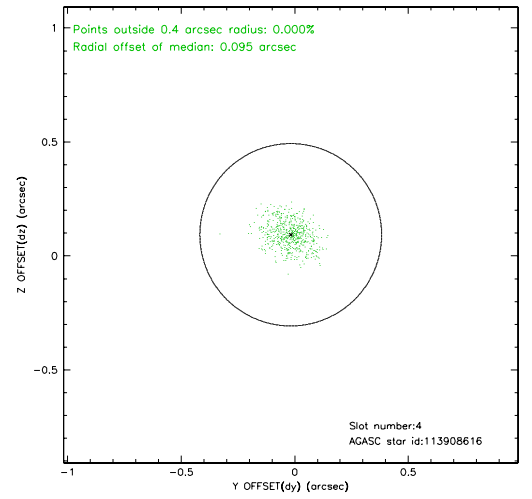
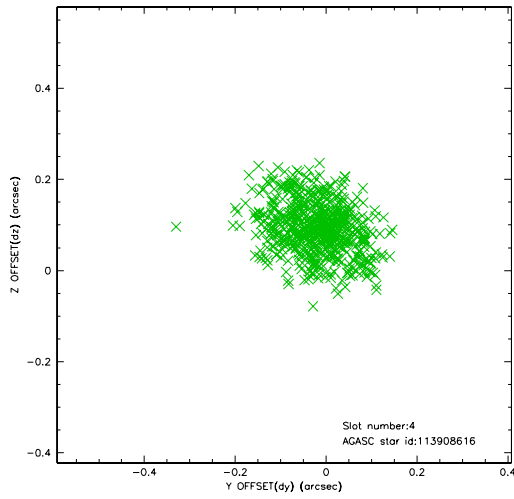
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	292	-0.019	0.037	0.006	0.009	0.000000	0.000000	-753.97	-1727.32
1	FID	ACIS-S-4	7.21	292	-0.069	-0.001	0.004	0.008	0.000000	0.000000	2156.75	175.37
2	FID	ACIS-S-5	7.23	292	0.057	-0.027	0.006	0.010	0.000000	0.000000	-1799.55	175.35
3	GUIDE	113907440	7.66	583	0.048	0.130	0.064	0.108	183.304663	10.821652	-1528.49	2381.31
4	GUIDE	113908616	8.68	582	-0.018	0.093	0.096	0.148	182.402585	11.211583	-2090.70	-1052.68
5	GUIDE	113909952	9.86	583	0.301	0.184	0.108	0.180	182.703120	10.082649	1578.17	986.75
6	GUIDE	113910736	8.51	583	-0.018	0.013	0.125	0.191	181.816666	10.531380	801.48	-2453.07
7	GUIDE	113908584	8.59	582	-0.315	-0.415	0.090	0.147	182.320674	11.291738	-2294.33	-1413.59

## 2.4 Star Slots

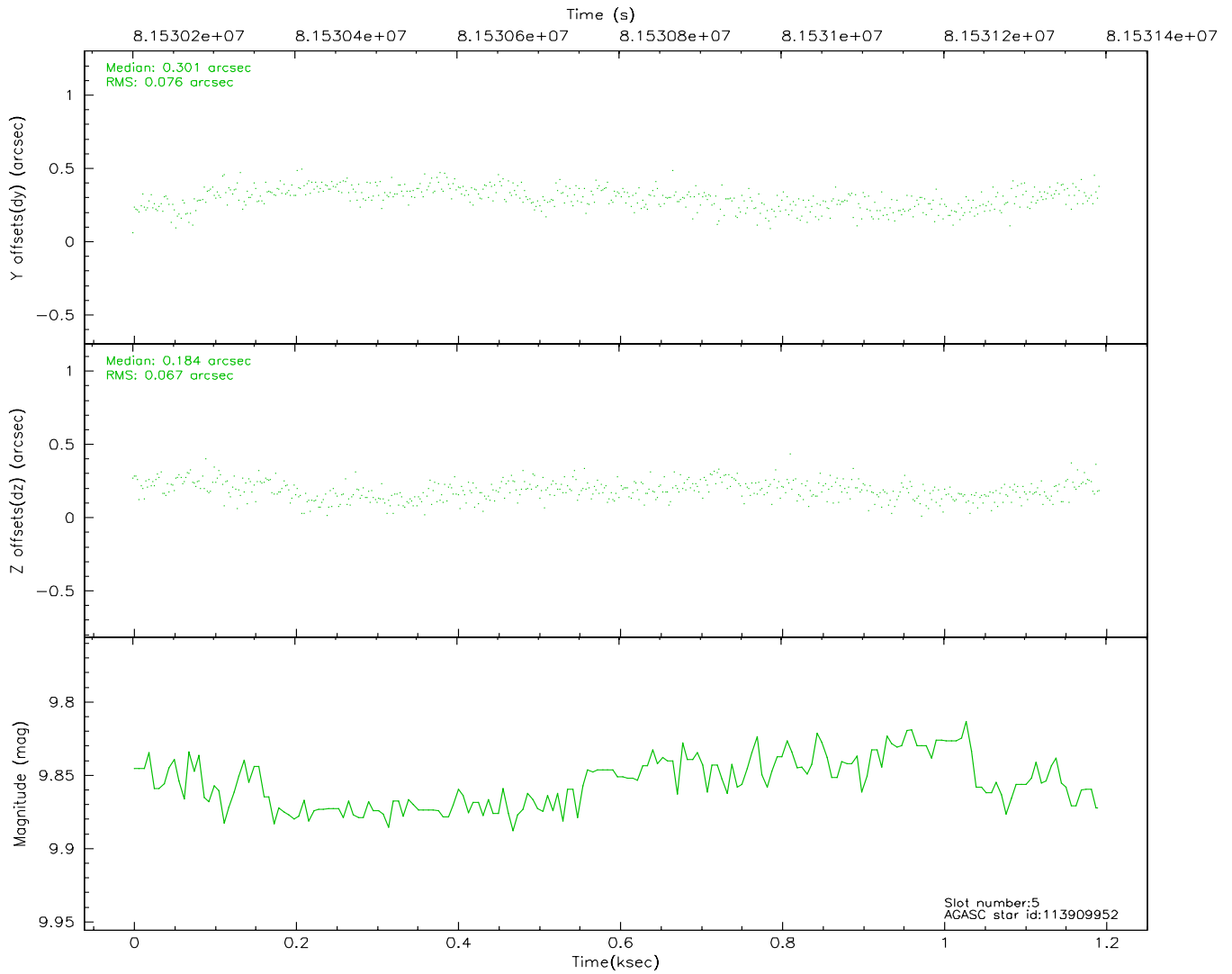
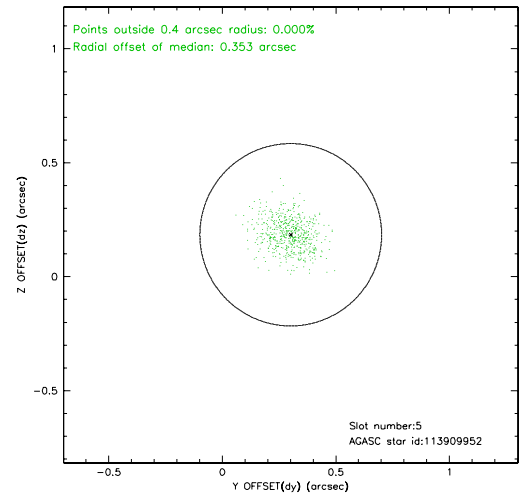
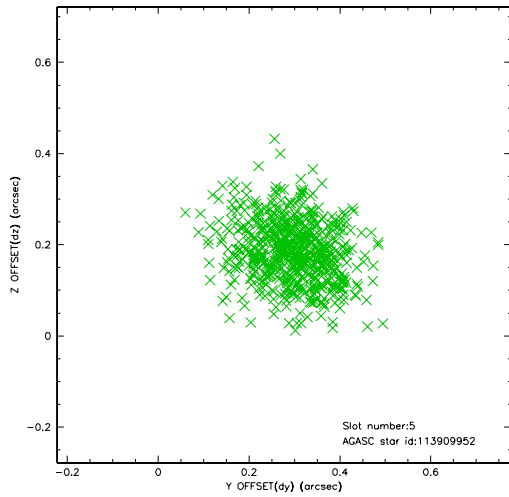
### 2.4.1 Slot 3



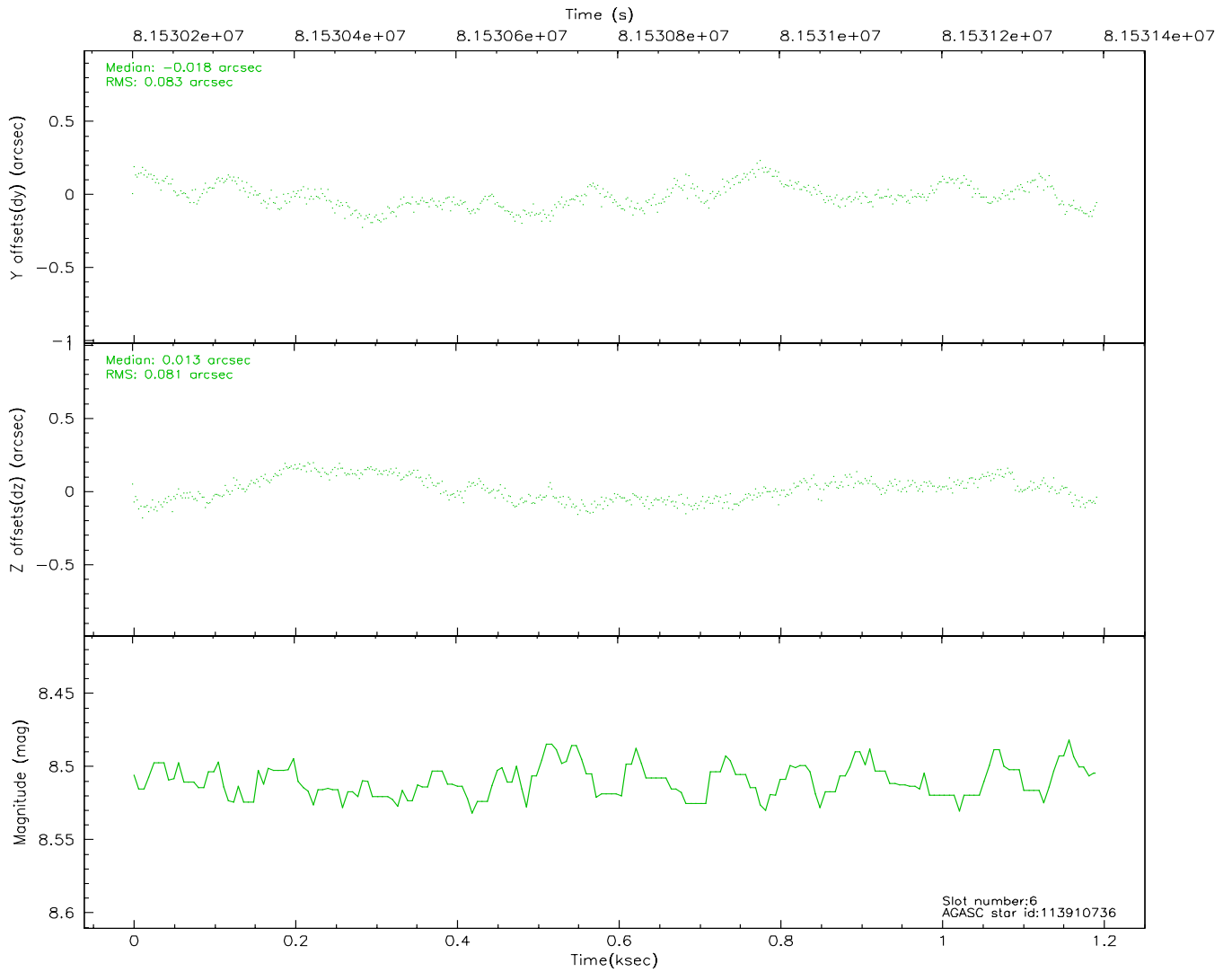
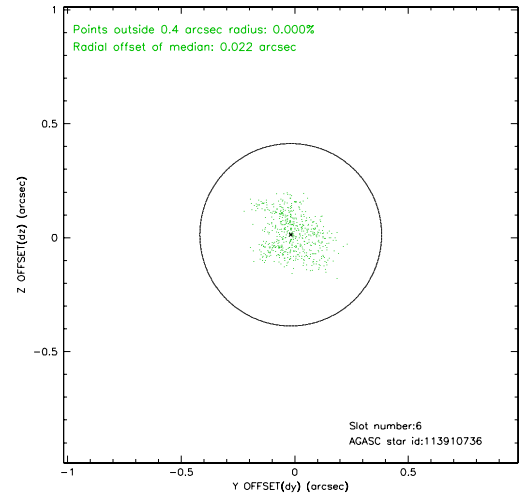
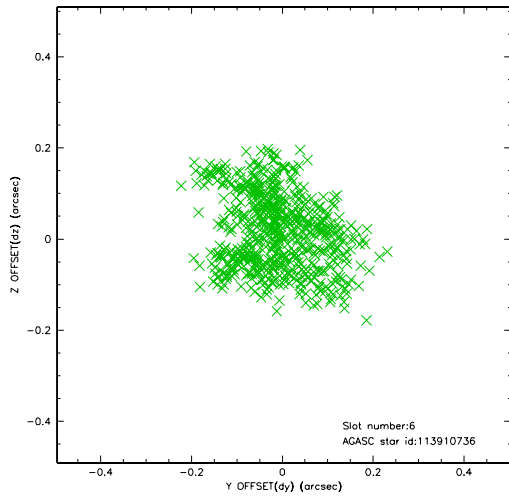
### 2.4.2 Slot 4



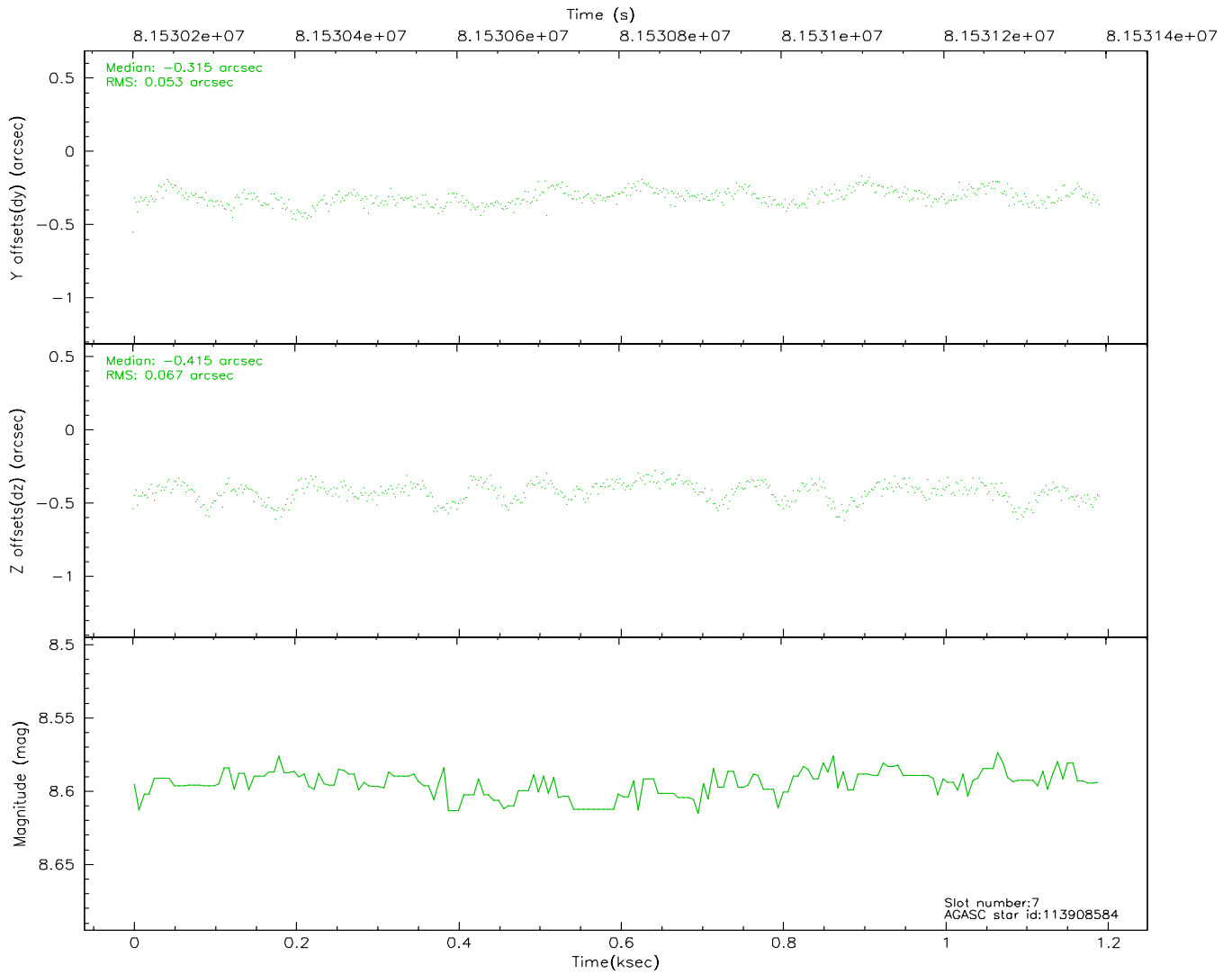
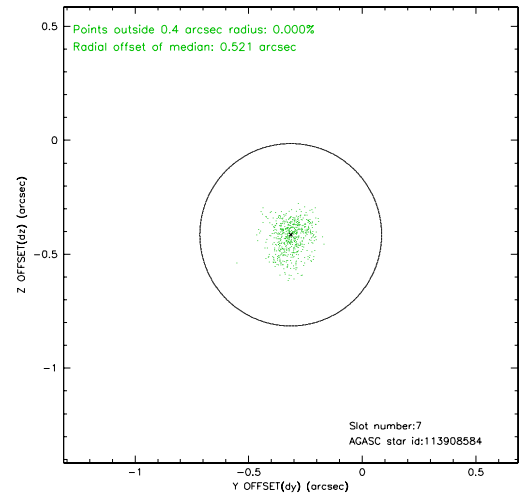
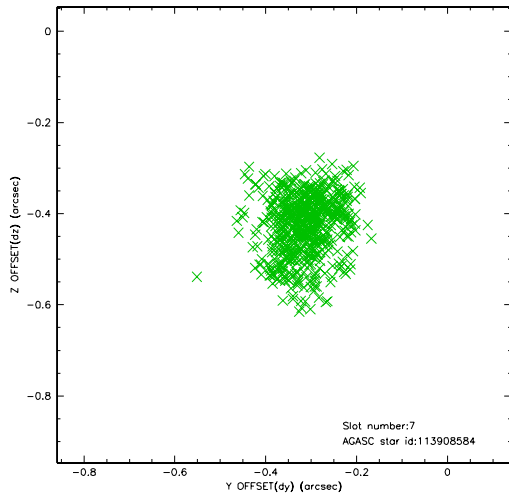
### 2.4.3 Slot 5



### 2.4.4 Slot 6

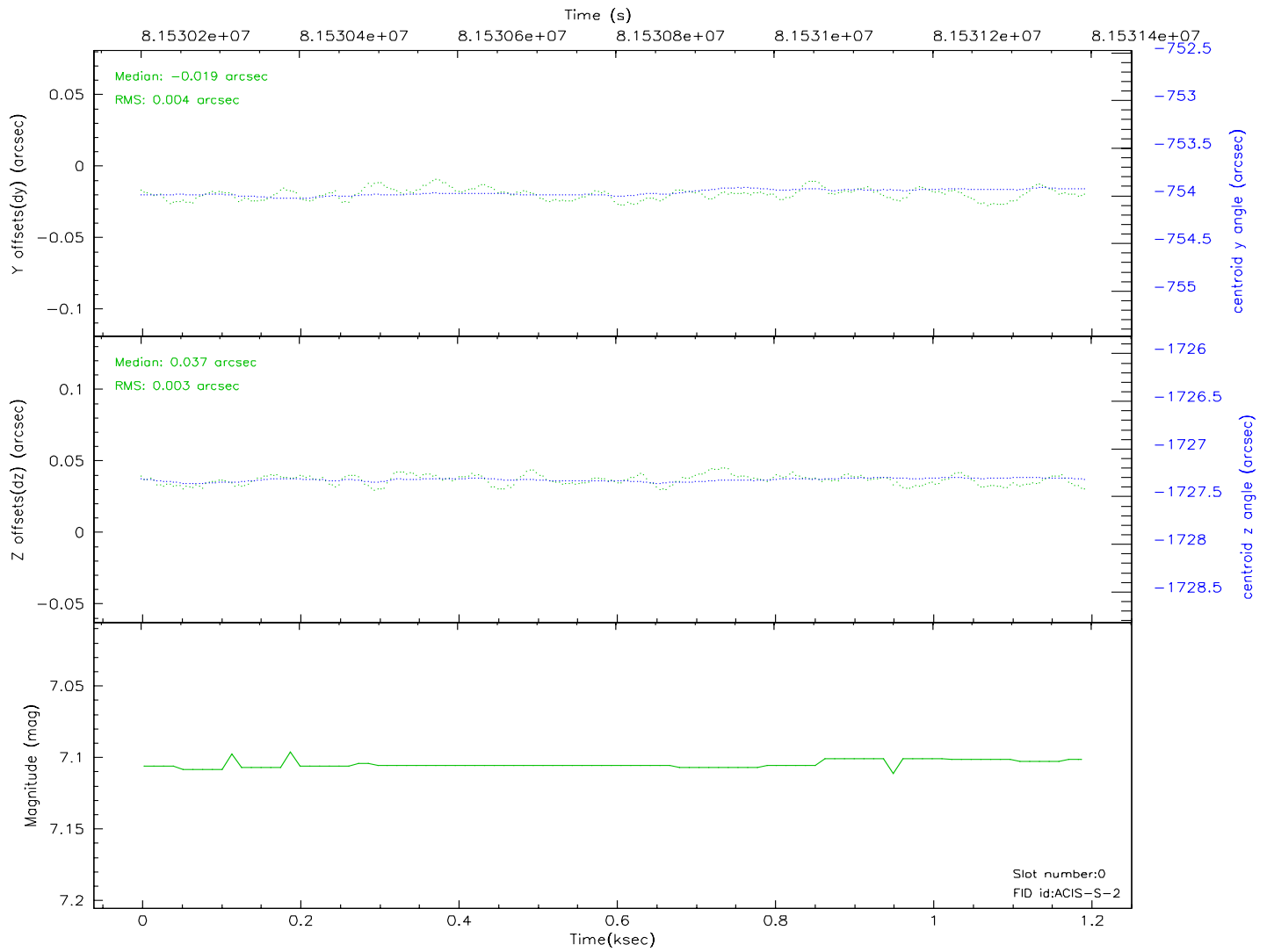
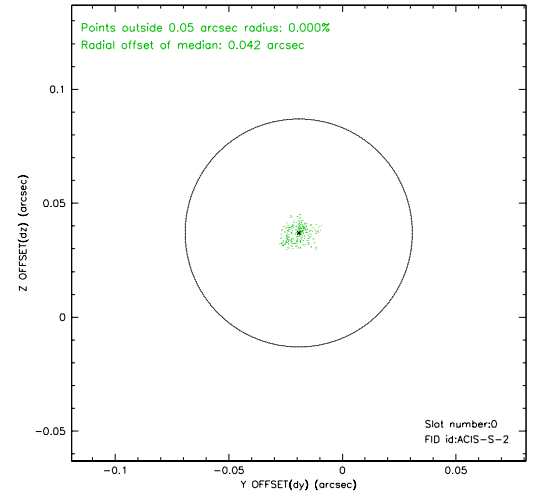
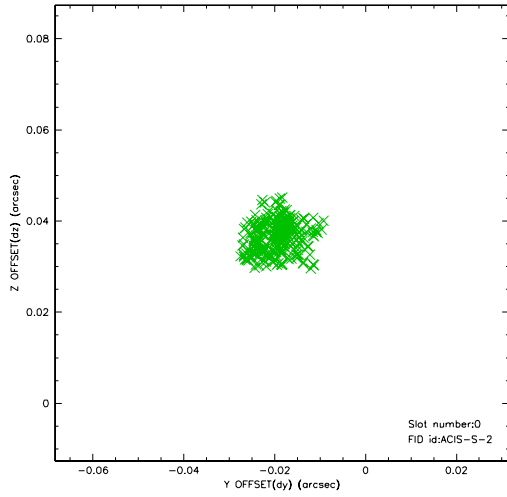


### 2.4.5 Slot 7

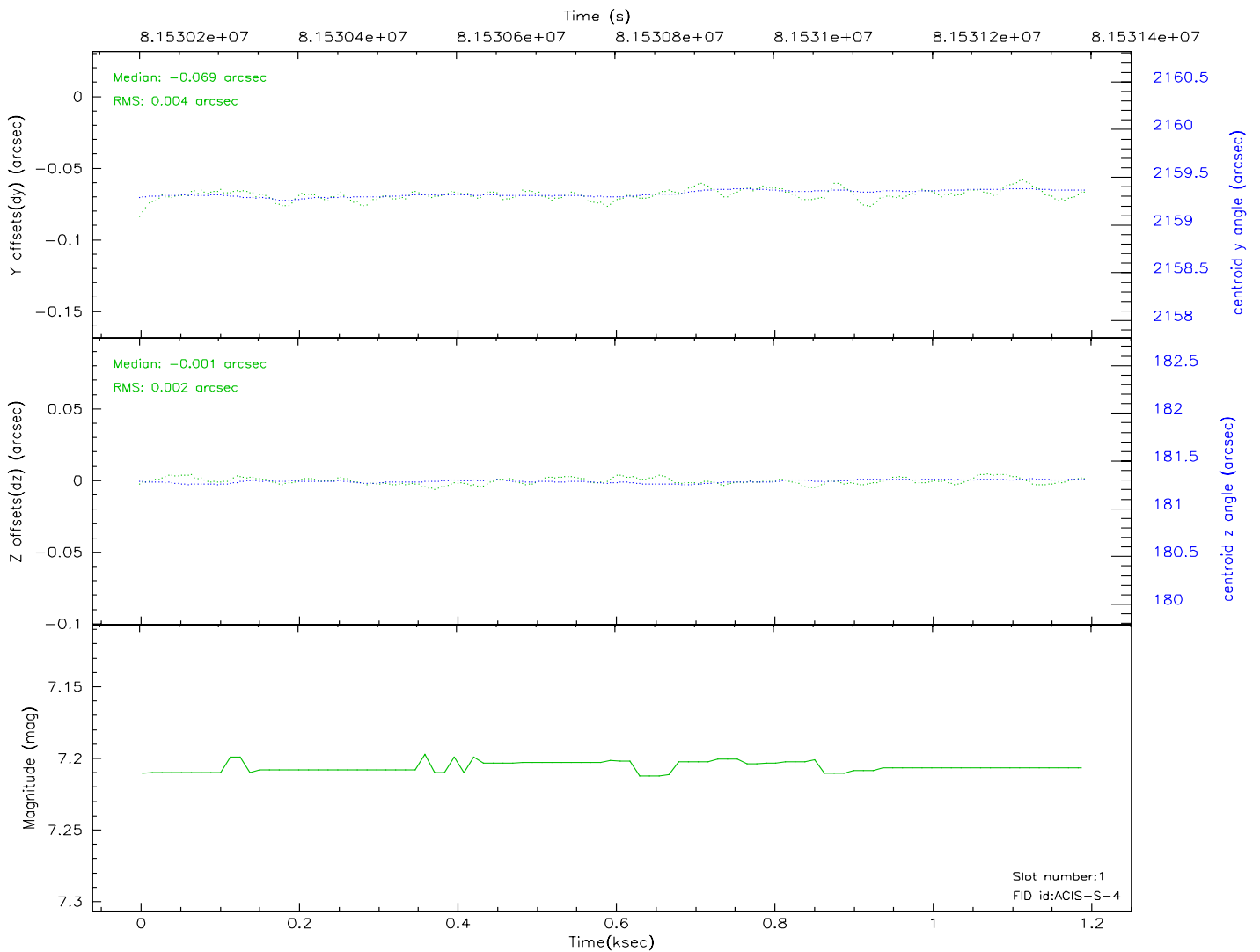
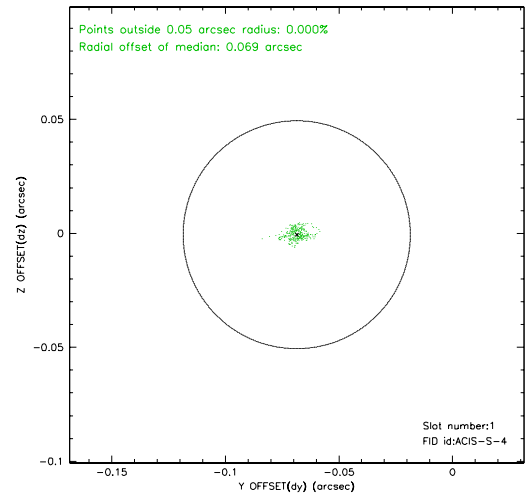
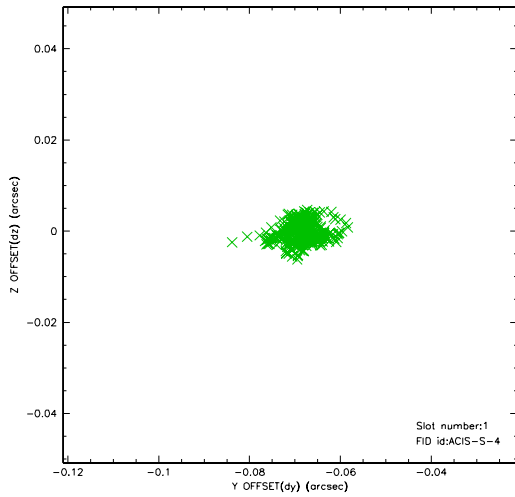


## 2.5 FID Slots

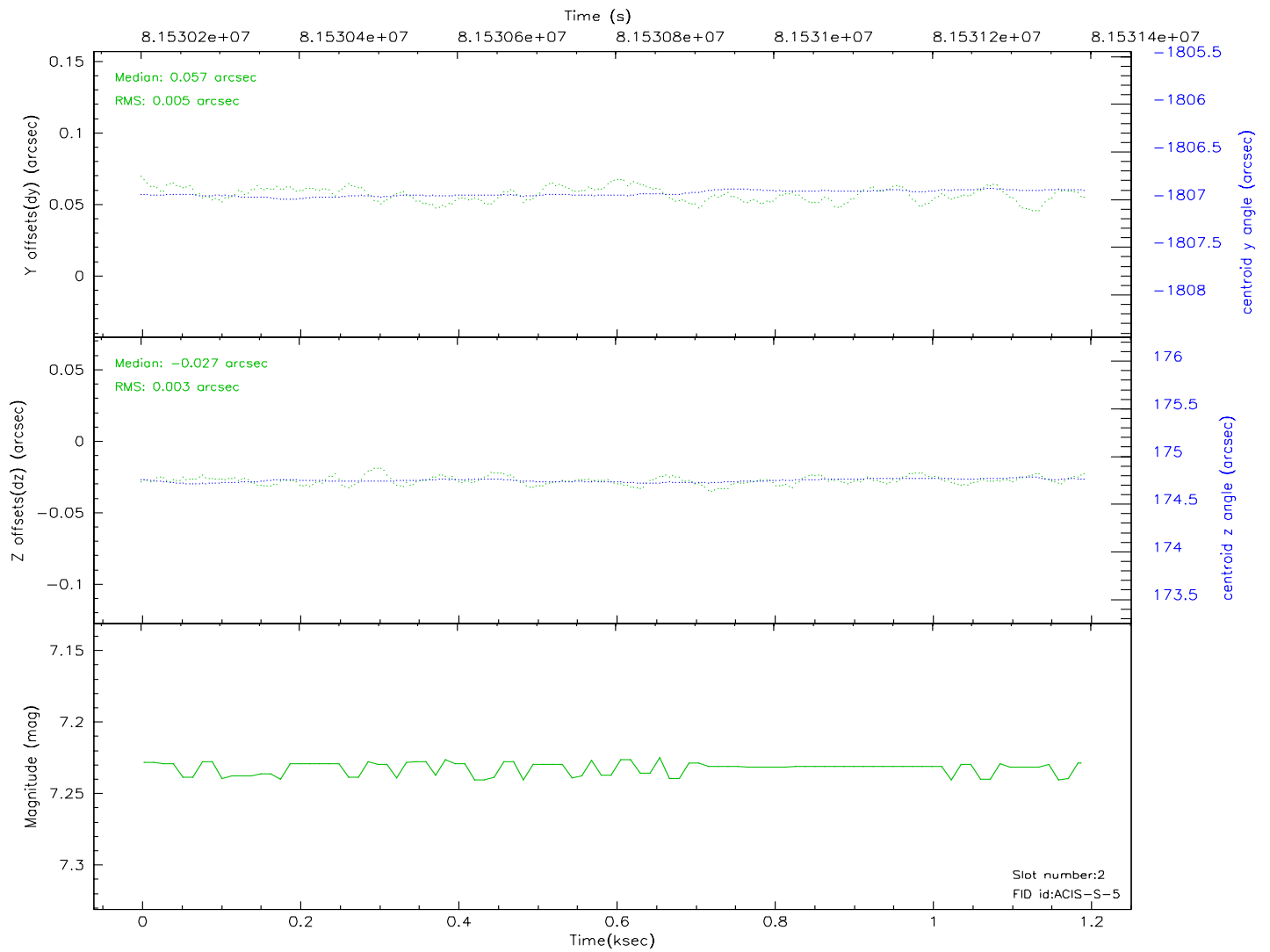
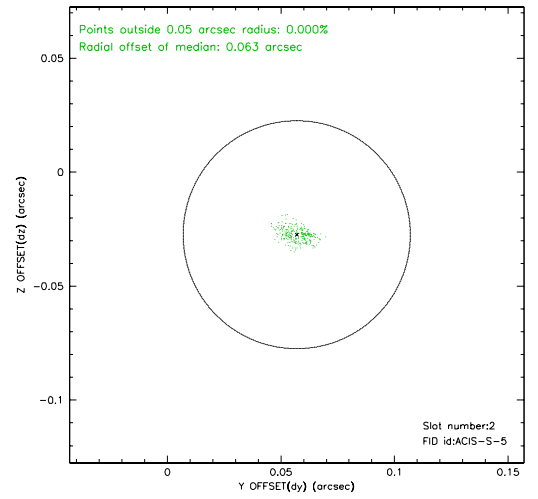
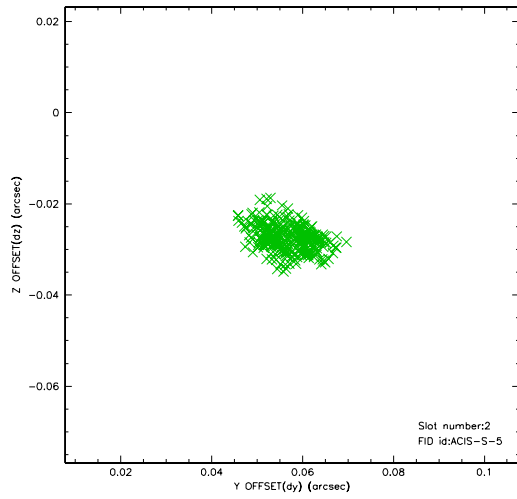
### 2.5.1 Slot 0



## 2.5.2 Slot 1

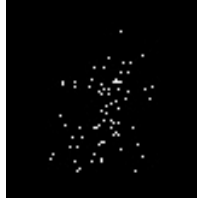


### 2.5.3 Slot 2



### 3 Point Sources

4.45 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.193

## A.2 Comments