

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 4085 - L2 Version 001  
Chandra X-Ray Center

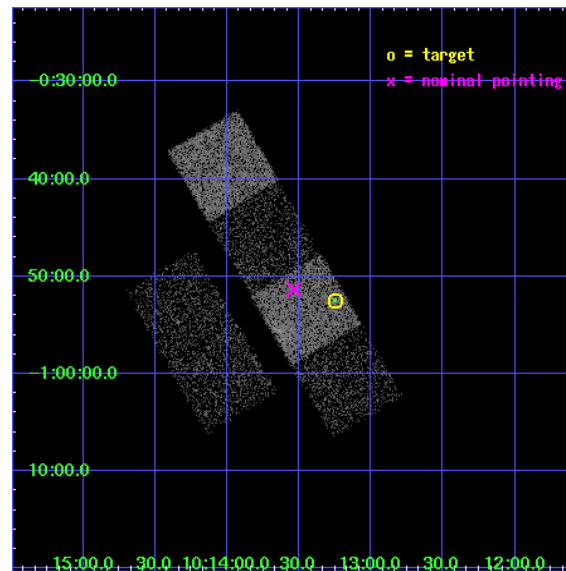
L2 Processing Date : Oct 18 2006

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# 1 Front

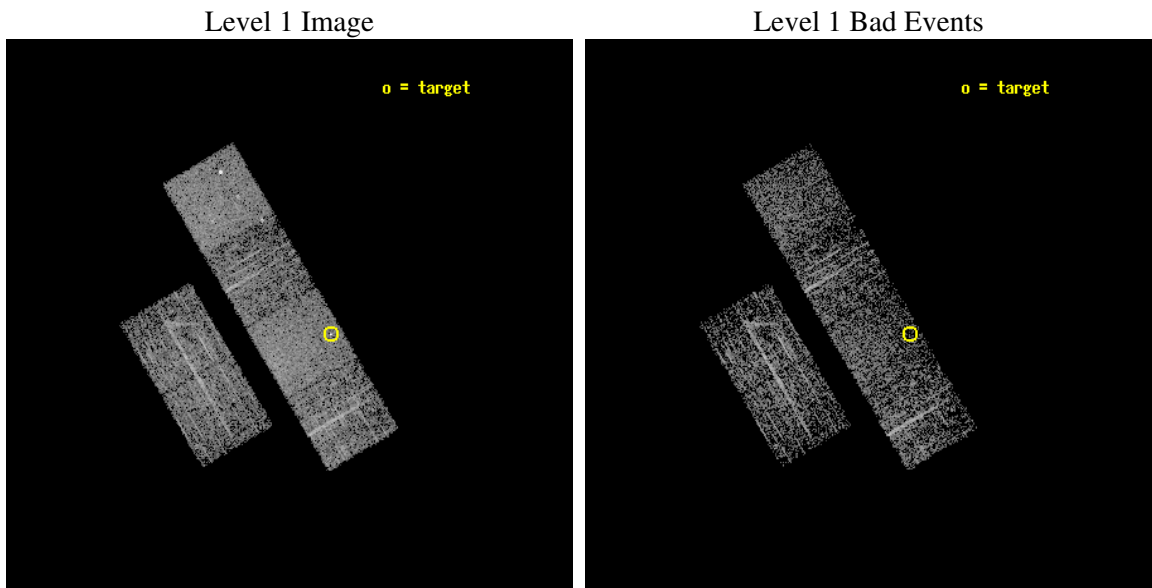
seq_num	700764
obs_id	4085
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?
observer	Prof RICHARD POGGE
object	SDSS J101314.86-005233.5
dtcycle	0
cycle	P
ra_targ	153.312083
dec_targ	-0.875972
ra_nom	153.38407419517
dec_nom	-0.85577592135705
roll_nom	59.549425087345
revision	2
ontime	2012.7999925017
livetime	1987.312707034
ontime2	2012.7999925017
ontime3	2012.7999925017
ontime5	2012.7999925017
ontime6	2012.7999925017
ontime7	2012.7999925017
ontime8	2012.7999925017
l2events	21022



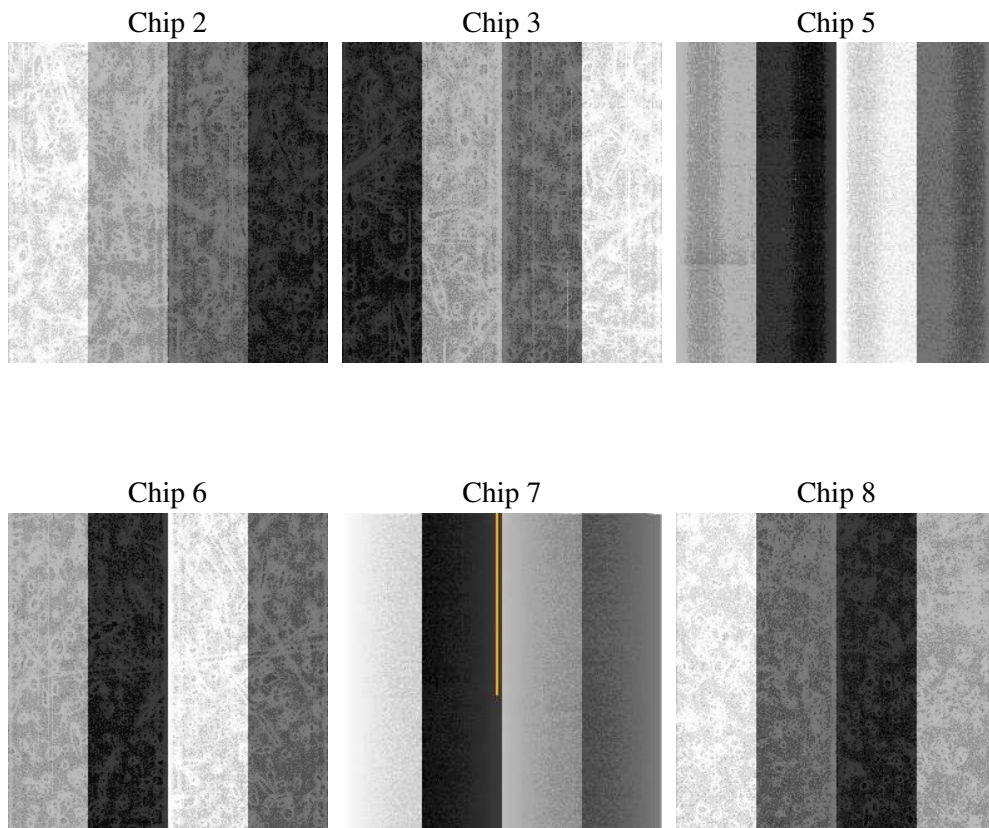
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-18T20:37:09
revision	2

sched_exp_time	2050.000000
ontime	2015.9072644413
ontime2	2015.9072445333
ontime3	2015.9072644413
ontime5	2015.9072644413
ontime6	2015.9072644413
ontime7	2015.9072644413
ontime8	2015.9072644413
l1events	92110

### 2.1.4 Events

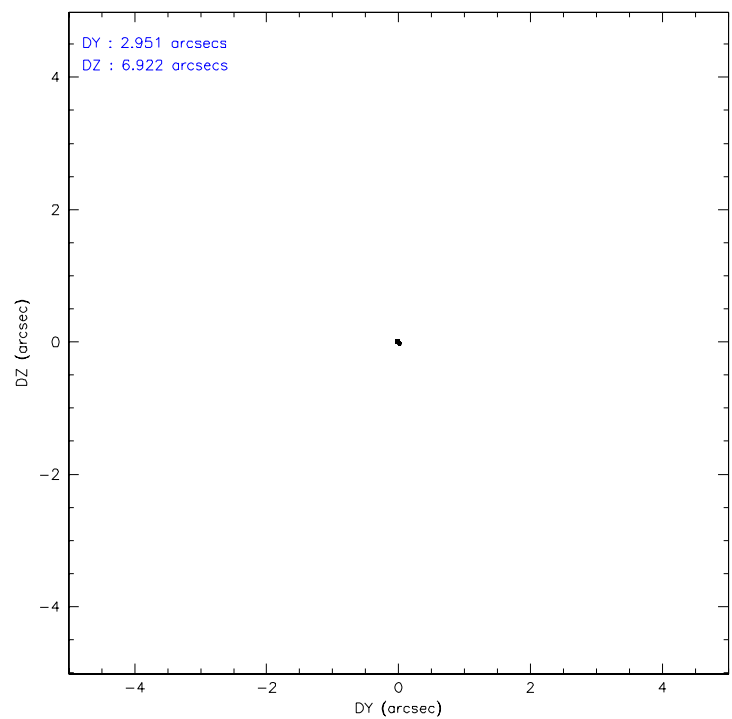
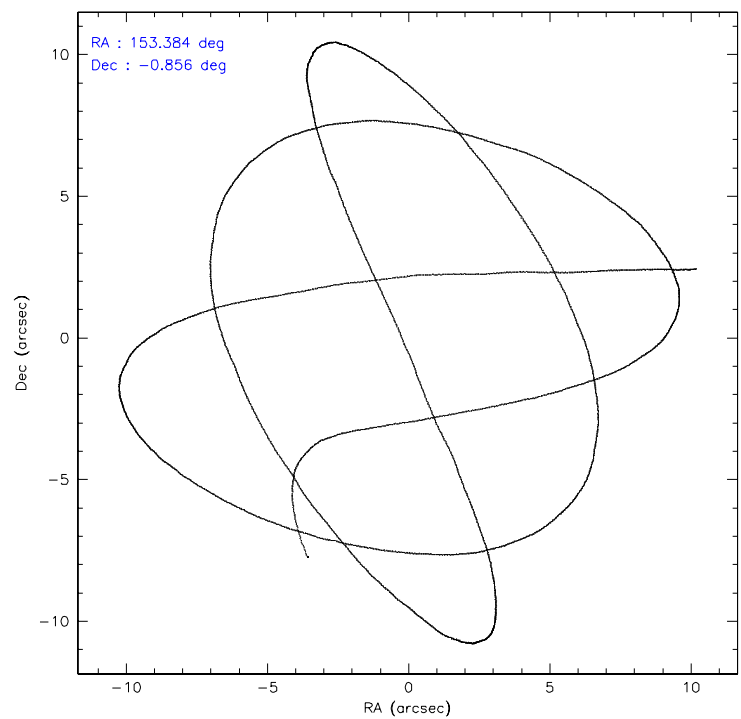
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14217	12864	19079	12486	17901	15563
rejected events	12515	11198	10562	10808	10176	12275
rejected %	88%	87%	55%	86%	56%	78%

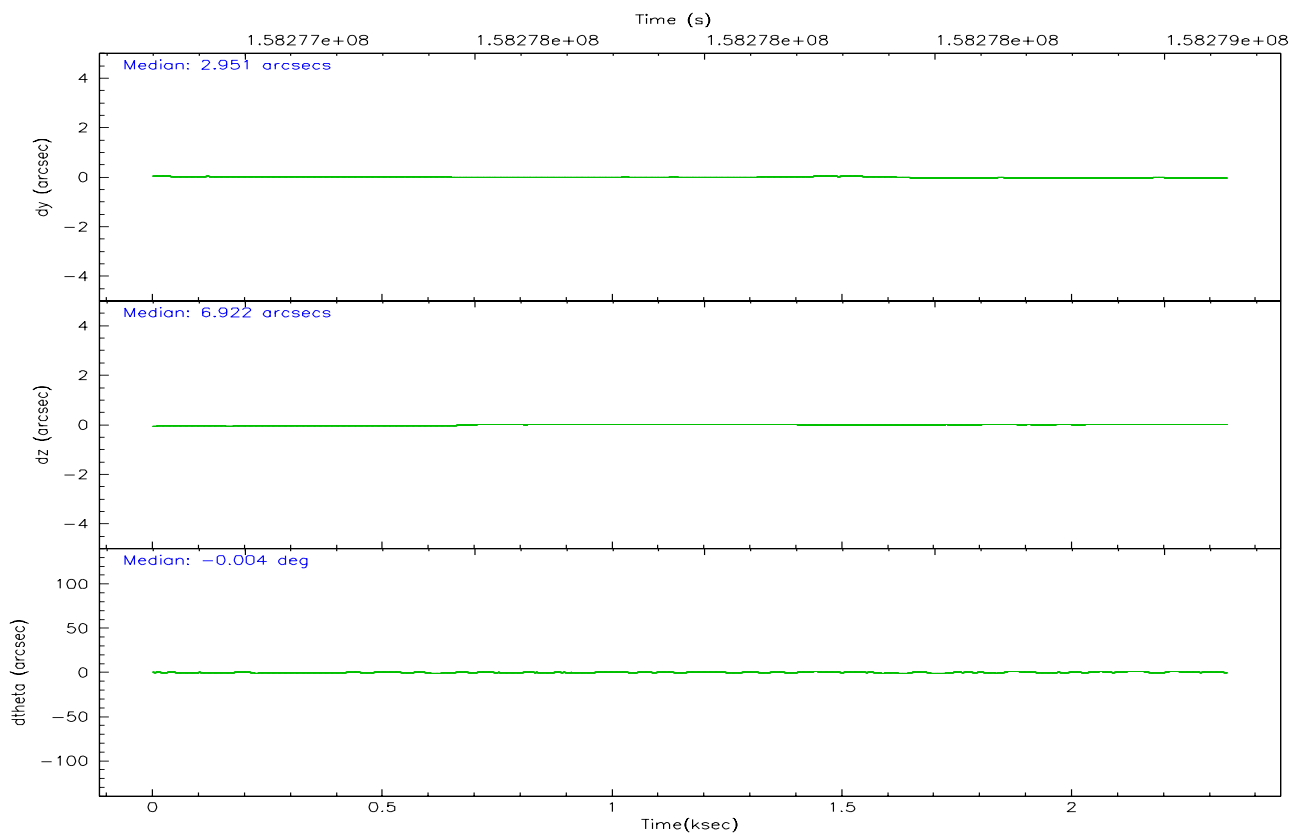
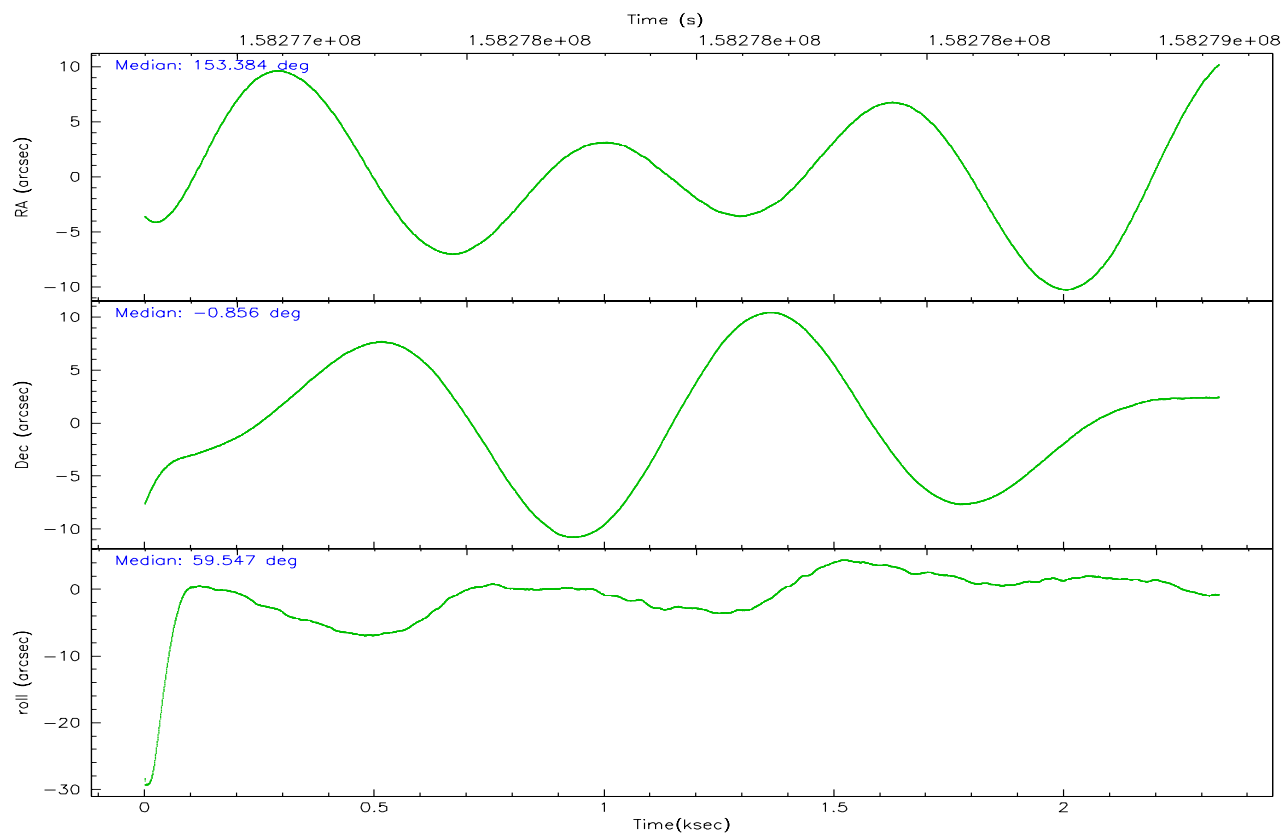
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	842	810	1022	706	757	1120
	5%	6%	5%	5%	4%	7%
grade 1 events	5	7	46	7	10	11
	0%	0%	0%	0%	0%	0%
grade 2 events	323	261	2586	361	1986	678
	2%	2%	13%	2%	11%	4%
grade 3 events	147	160	169	188	474	378
	1%	1%	0%	1%	2%	2%
grade 4 events	159	165	166	146	442	359
	1%	1%	0%	1%	2%	2%
grade 5 events	503	533	902	548	1134	770
	3%	4%	4%	4%	6%	4%
grade 6 events	240	272	4595	282	4081	768
	1%	2%	24%	2%	22%	4%
grade 7 events	11998	10656	9593	10248	9017	11479
	84%	82%	50%	82%	50%	73%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	153.384229	153.3840741951722	Subarray requested	NONE	NONE
Pointing Dec	-0.883015	-0.8557759213570522	Alternating exposures requested	N	N
Pointing Roll	59.392942	59.54942508734509	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	158277089.184000	158276073.21359			
Observation start date	2003-01-06T21:50:25	2003-01-06T21:34:33			
Observation end time	158279139.184000	158279714.01374			
Observation end date	2003-01-06T22:24:35	2003-01-06T22:35:14			
Read mode	TIMED	TIMED			

## 2.3 Aspect



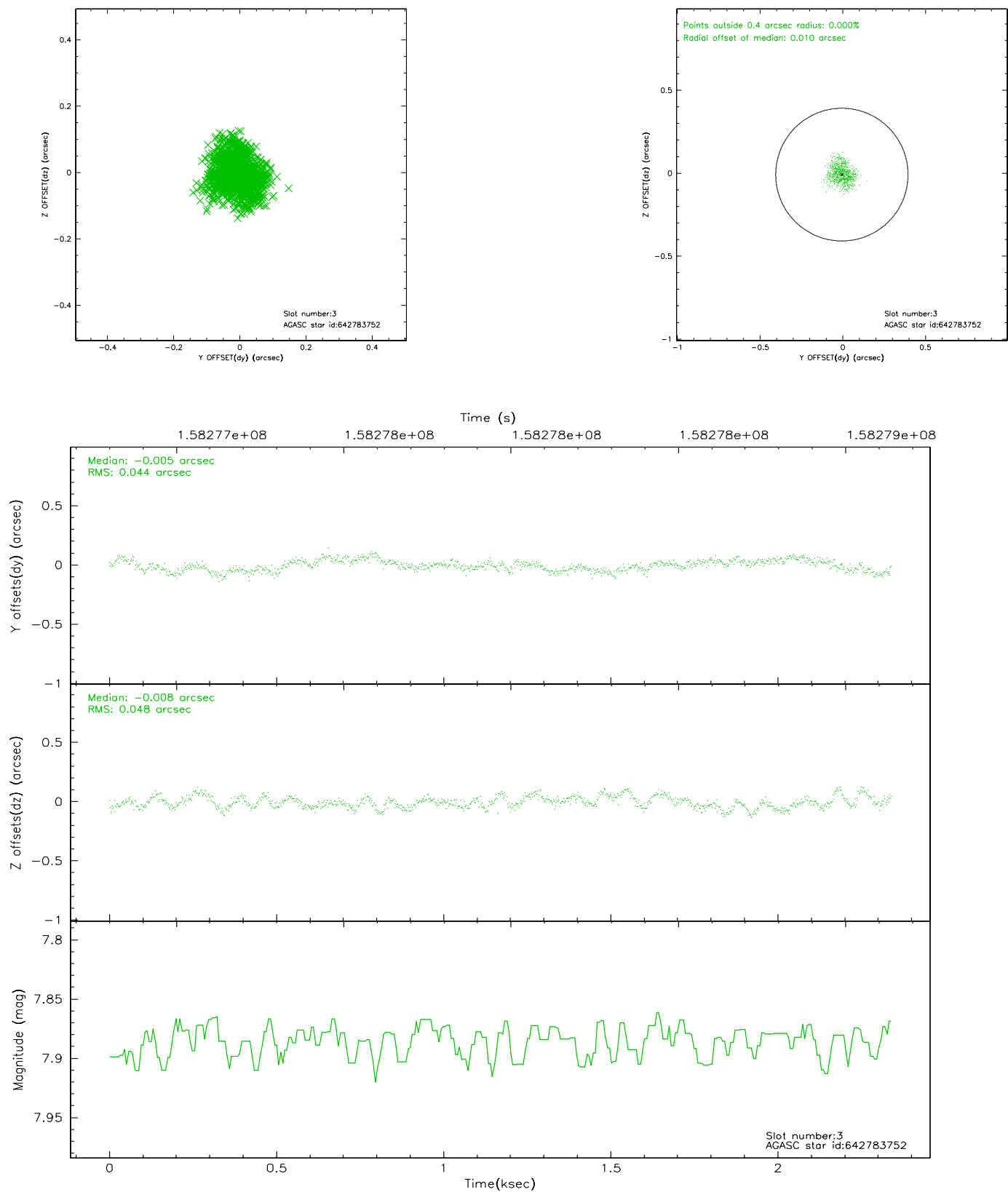


### Slot Statistics

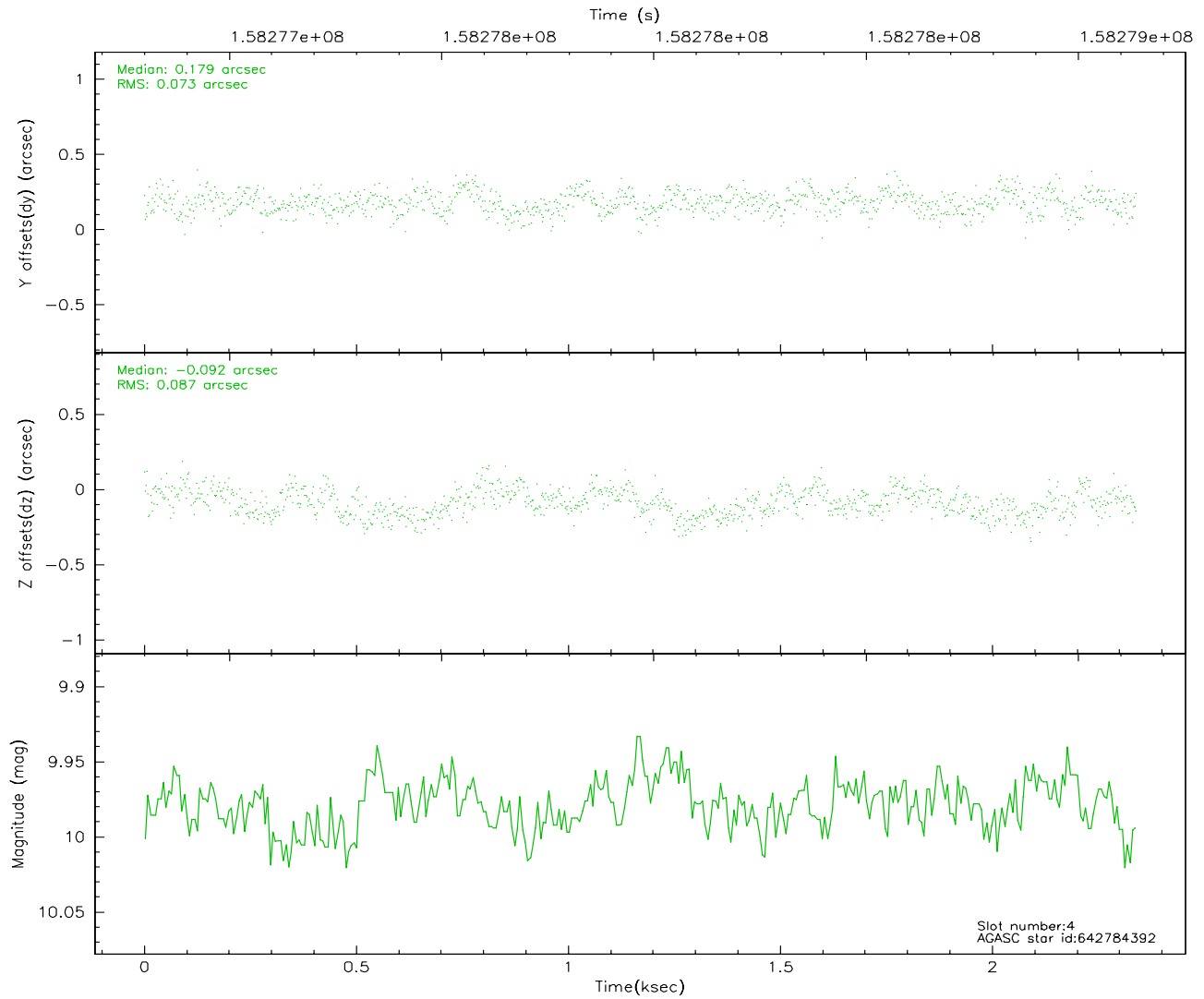
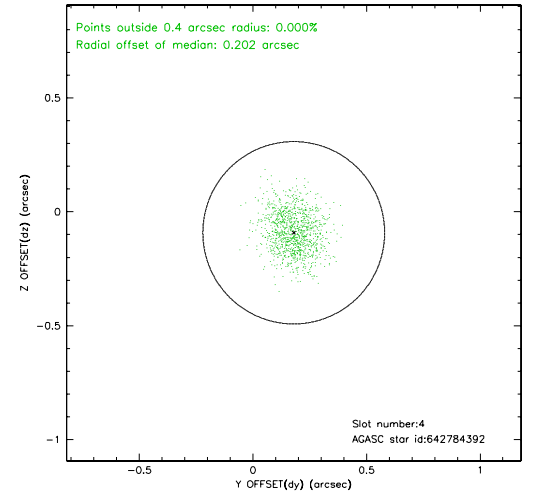
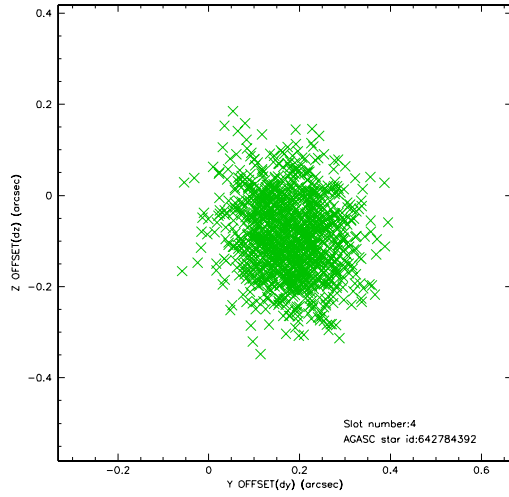
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	571	-0.017	0.022	0.006	0.010	0.000000	0.000000	-755.59	-1728.06
1	FID	ACIS-S-4	7.21	571	-0.034	0.003	0.005	0.008	0.000000	0.000000	2156.40	177.56
2	FID	ACIS-S-5	7.24	571	0.021	-0.015	0.006	0.010	0.000000	0.000000	-1804.84	174.34
3	GUIDE	642783752	7.88	1142	-0.005	-0.008	0.072	0.106	153.639411	-1.126972	-287.92	-1237.27
4	GUIDE	642784392	9.98	1140	0.179	-0.092	0.120	0.197	152.895853	-1.186393	-1834.99	956.19
5	GUIDE	642787648	9.85	1142	-0.227	0.152	0.112	0.180	154.072131	-0.641558	2007.42	-1687.35
6	GUIDE	642785416	8.98	1142	0.031	-0.039	0.071	0.125	153.061684	-1.260657	-1759.10	305.76
7	GUIDE	642783824	9.98	1139	0.027	-0.022	0.129	0.231	153.737775	-1.132623	-126.66	-1552.04

## 2.4 Star Slots

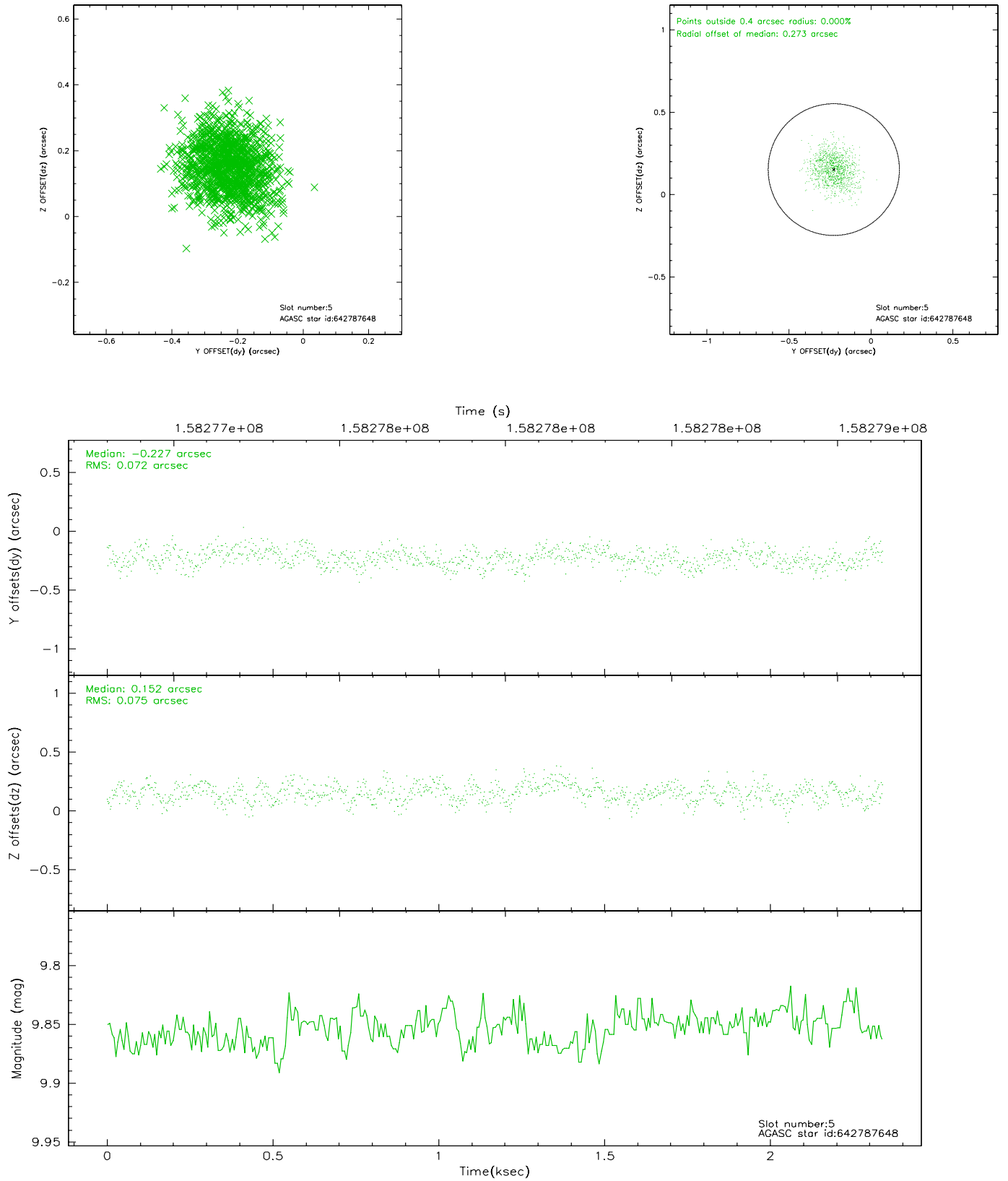
### 2.4.1 Slot 3



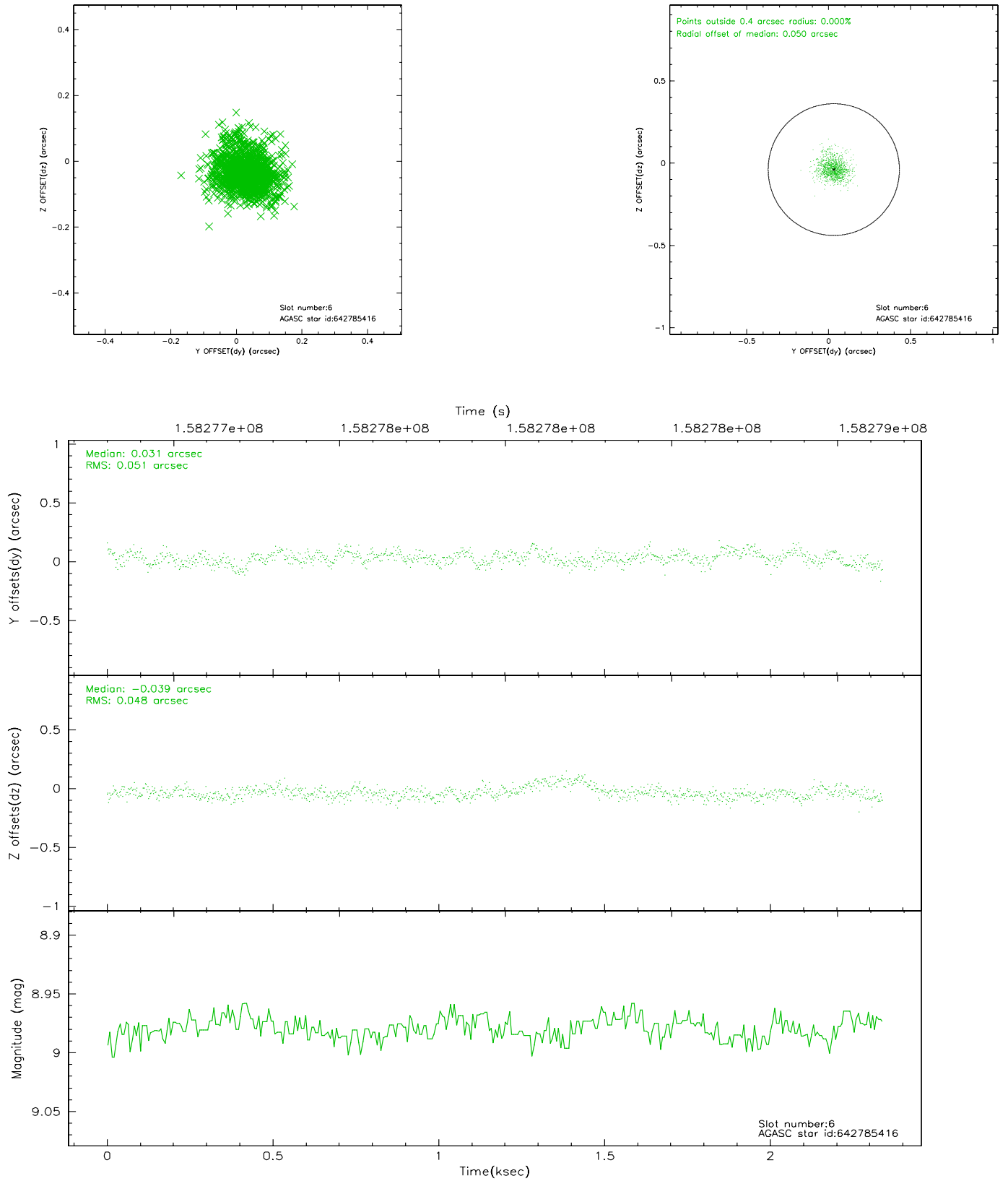
## 2.4.2 Slot 4



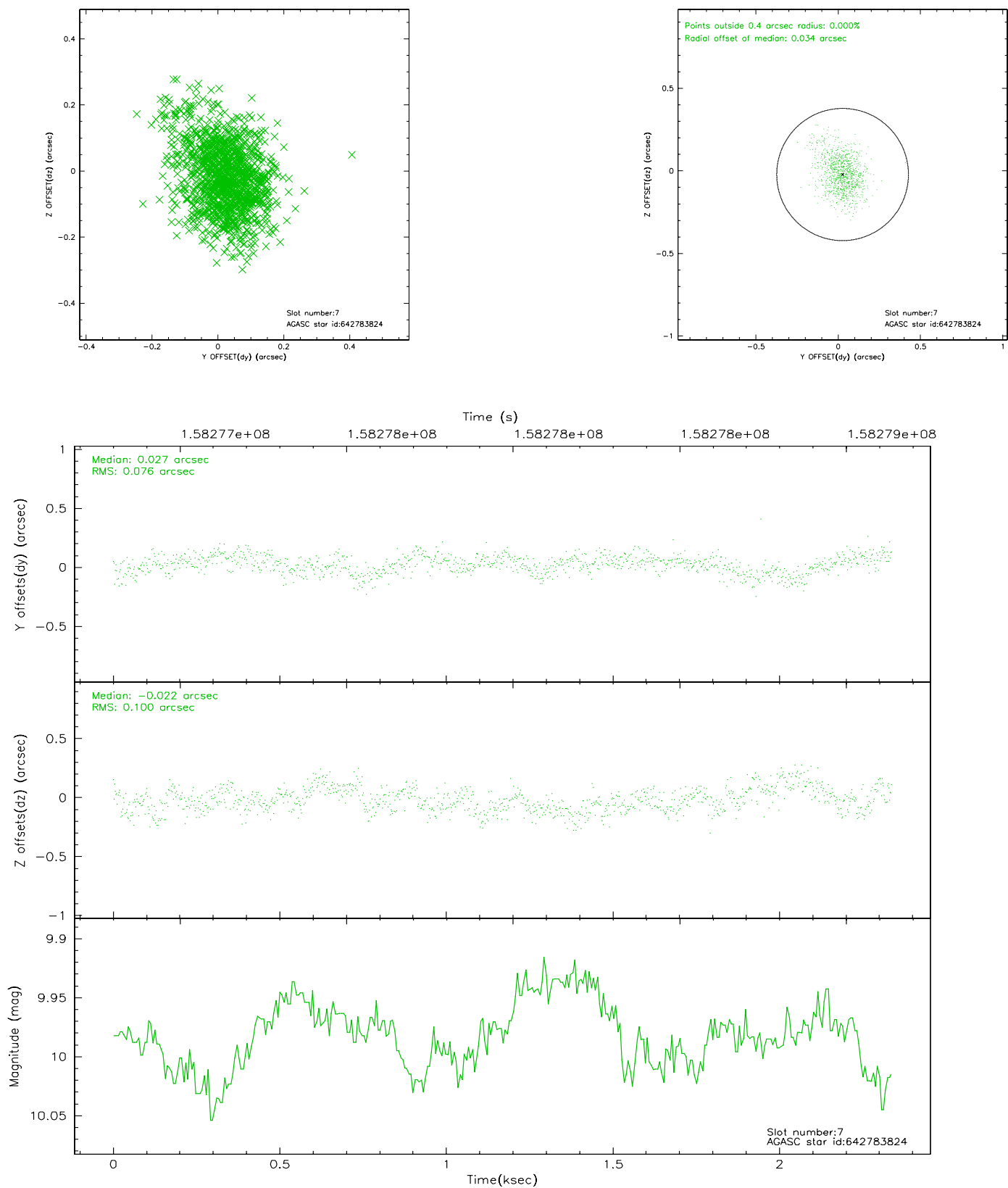
### 2.4.3 Slot 5



## 2.4.4 Slot 6

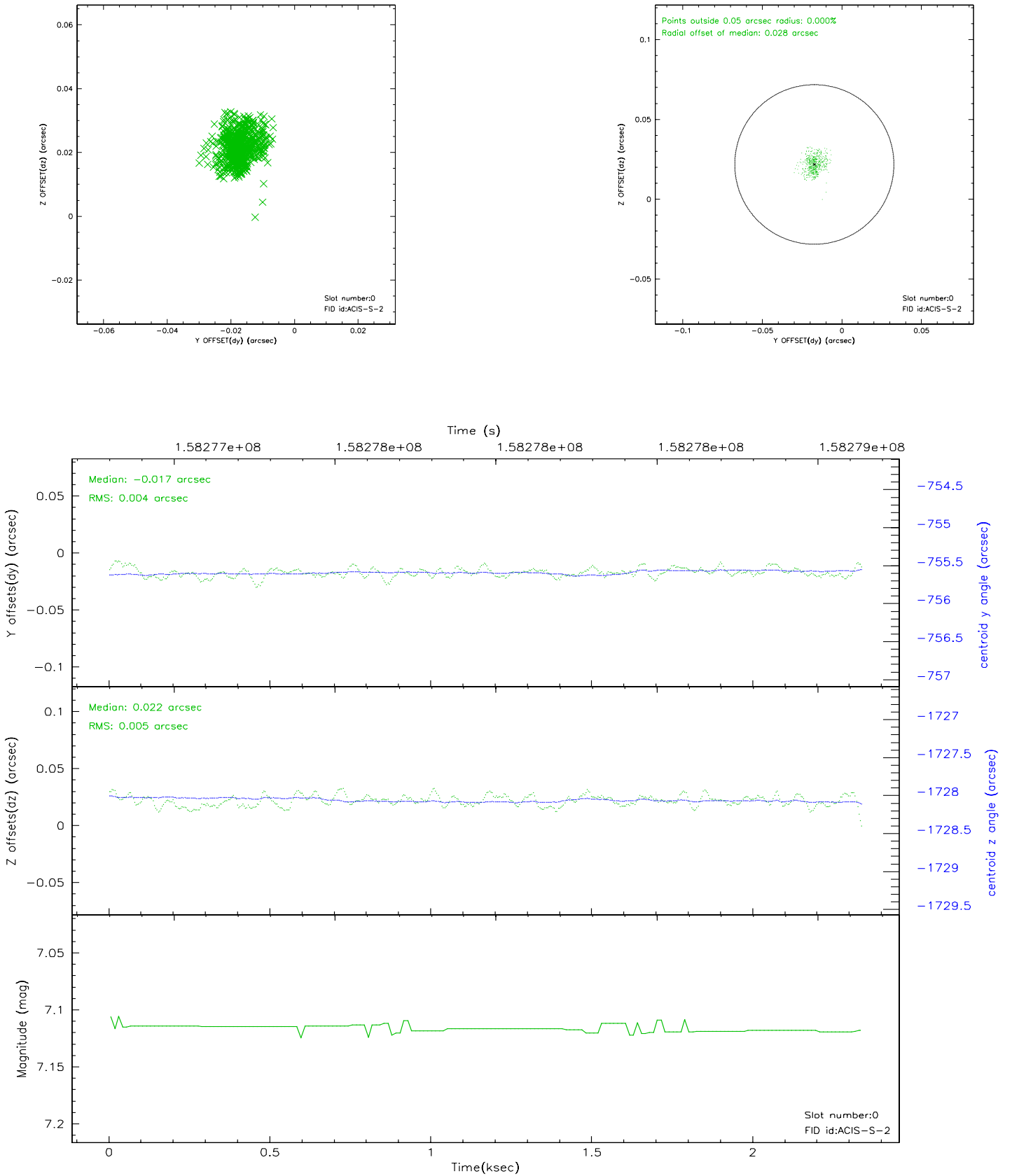


## 2.4.5 Slot 7

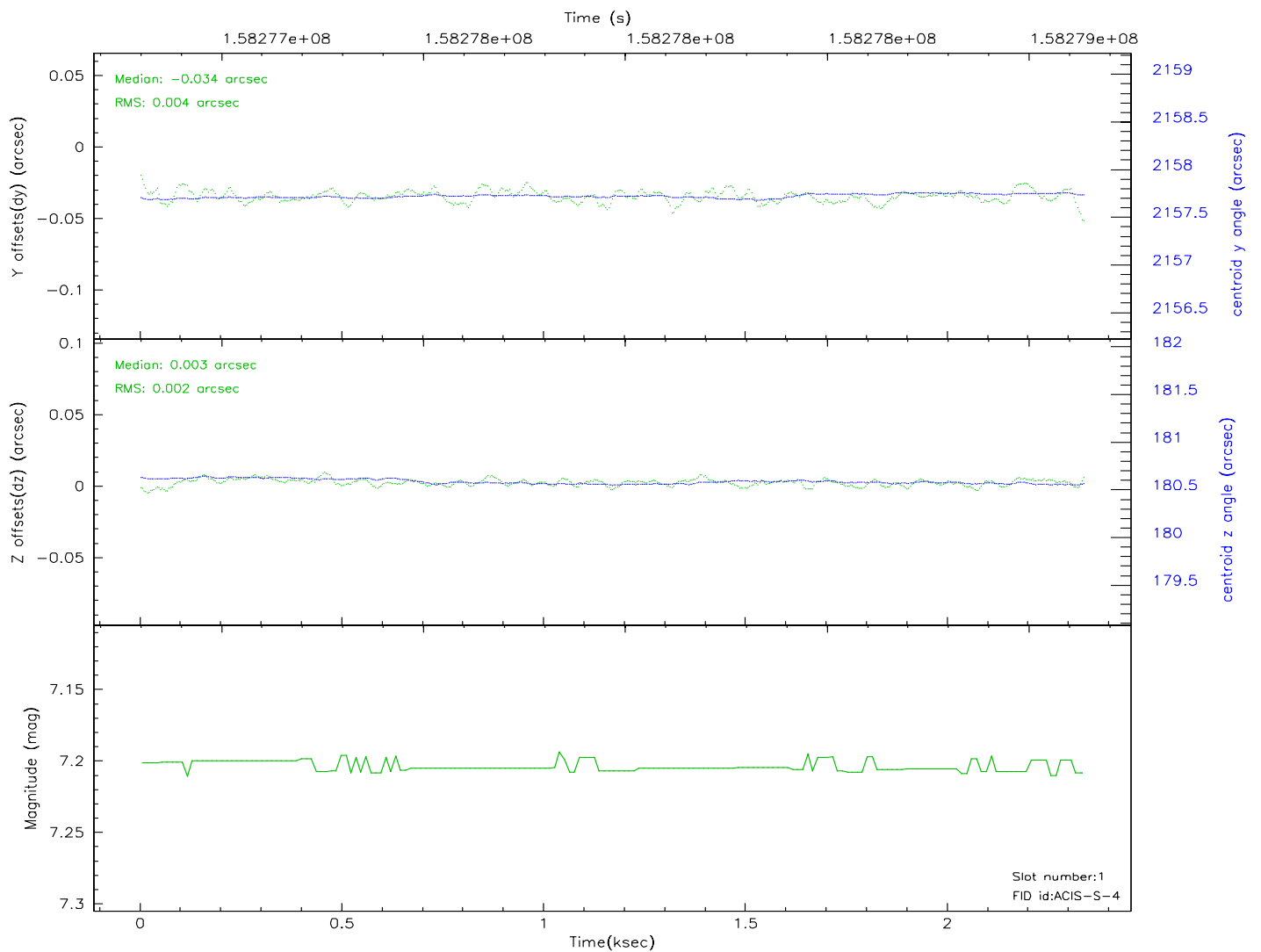
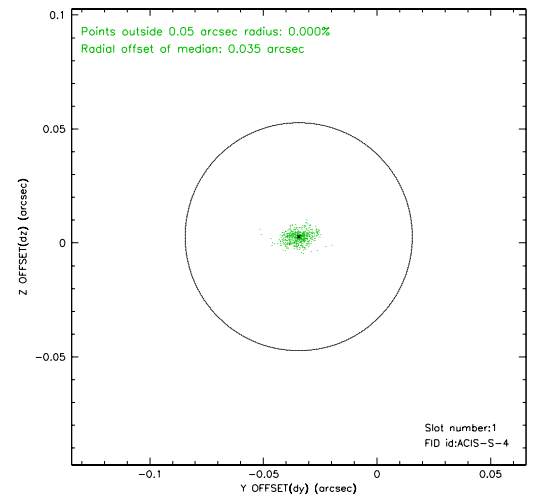
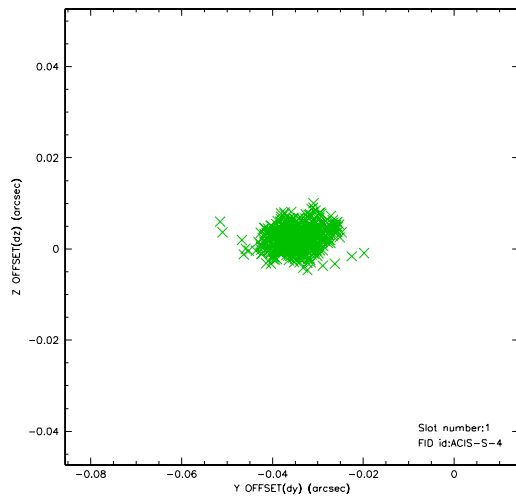


## 2.5 FID Slots

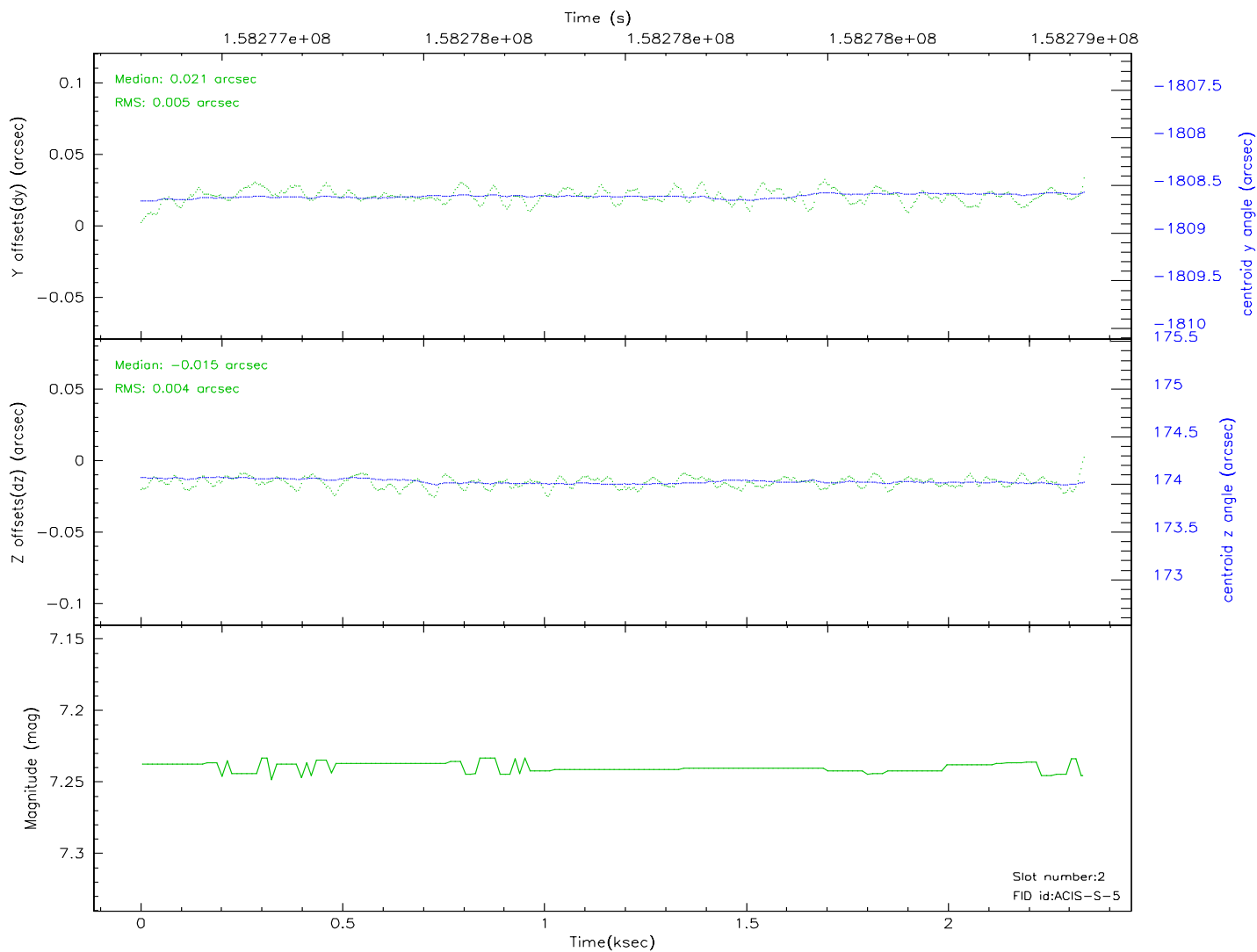
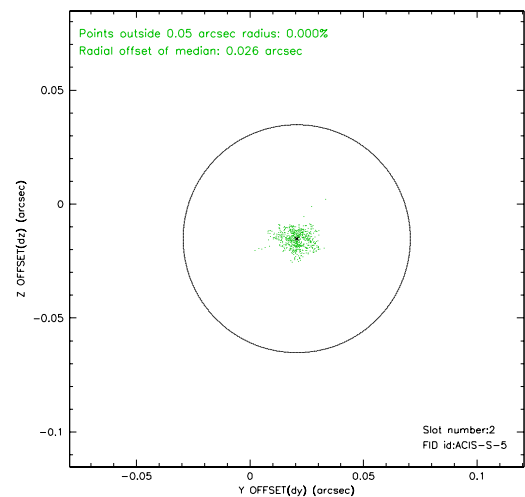
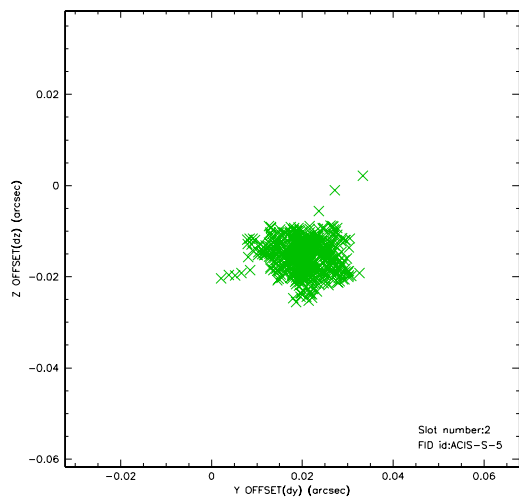
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

4.49 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.012

### A.2 Comments