

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3310 - L2 Version 001  
Chandra X-Ray Center

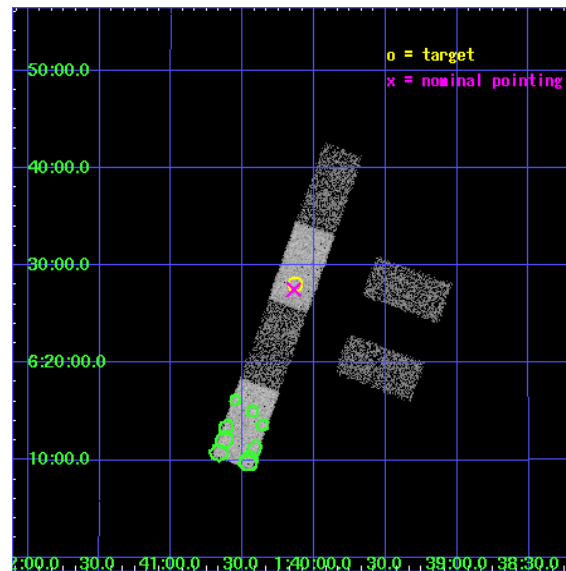
L2 Processing Date : Aug 31 2006

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# 1 Front

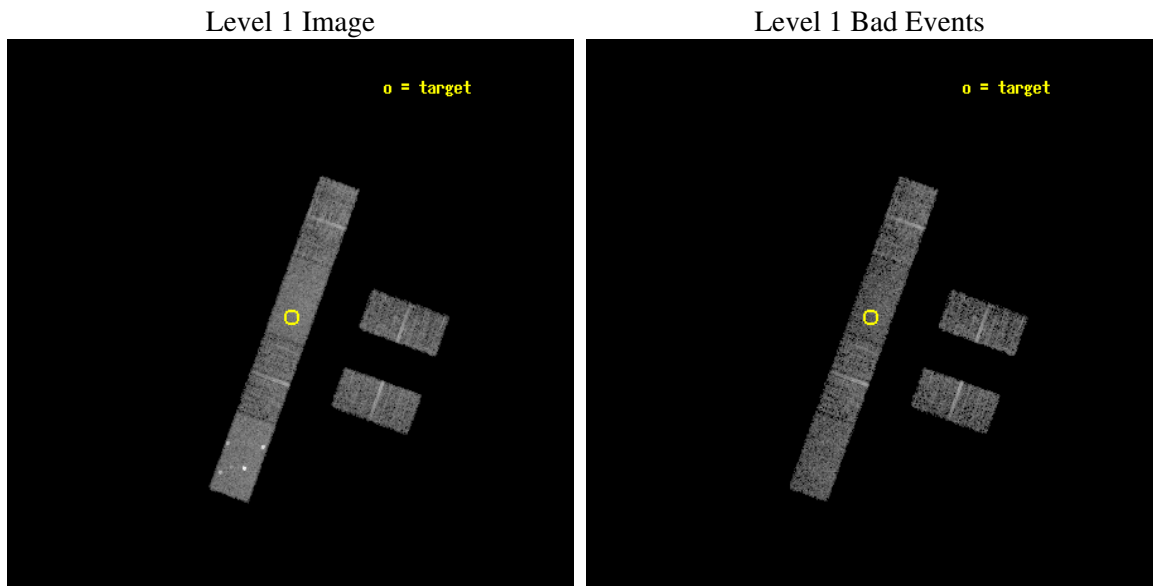
seq_num	900149
obs_id	3310
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?
observer	Professor Kirpal Nandra
object	AX J0140.1+0628
dtcycle	0
cycle	P
ra_targ	25.03375
dec_targ	6.468278
ra_nom	25.035329354191
dec_nom	6.4586708255033
roll_nom	289.8457453597
revision	2
ontime	5403.5999910533
livetime	5283.1443009908
ontime2	5403.5999910533
ontime3	5403.5999910533
ontime5	5403.5999910533
ontime6	5403.5999910533
ontime7	5403.5999910533
ontime8	5403.5999910533
l2events	30661



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-31T12:14:09
revision	2

sched_exp_time	5000.000000
ontime	5405.2241781652
ontime2	5405.2241781652
ontime3	5405.2241781652
ontime5	5405.2241781652
ontime6	5405.2241781652
ontime7	5405.2241781652
ontime8	5405.2241781652
l1events	138824

### 2.1.4 Events

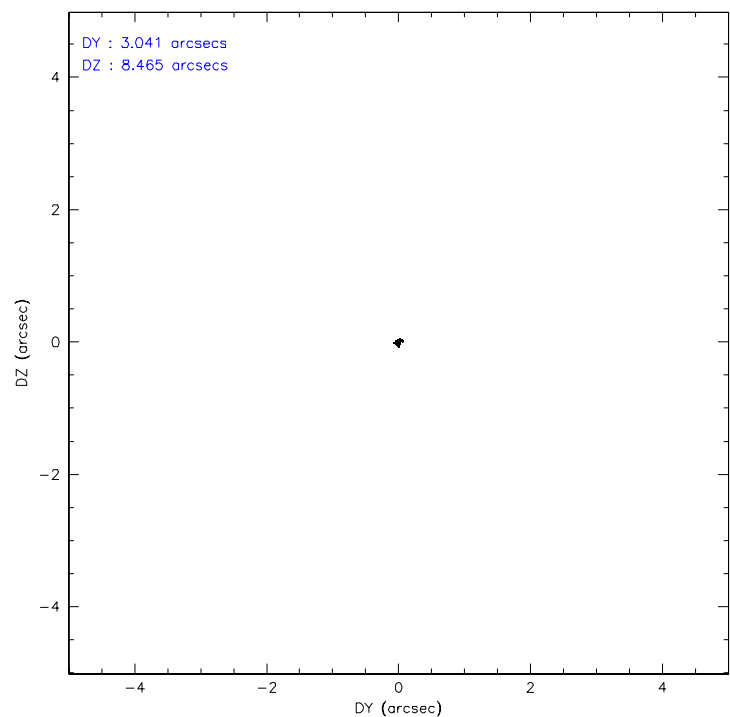
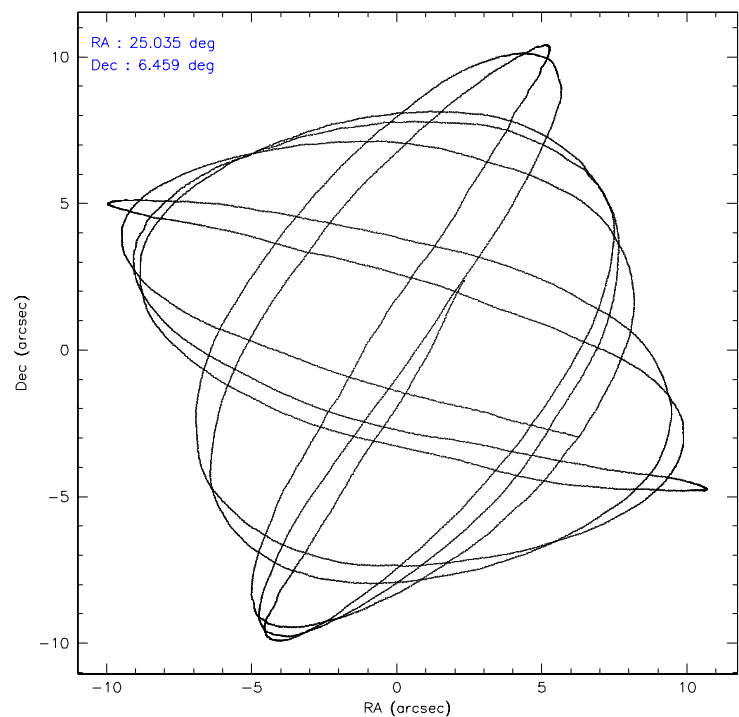
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19229	18411	32298	20236	25313	23337
rejected events	16889	16228	14711	17970	14352	18870
rejected %	87%	88%	45%	88%	56%	80%

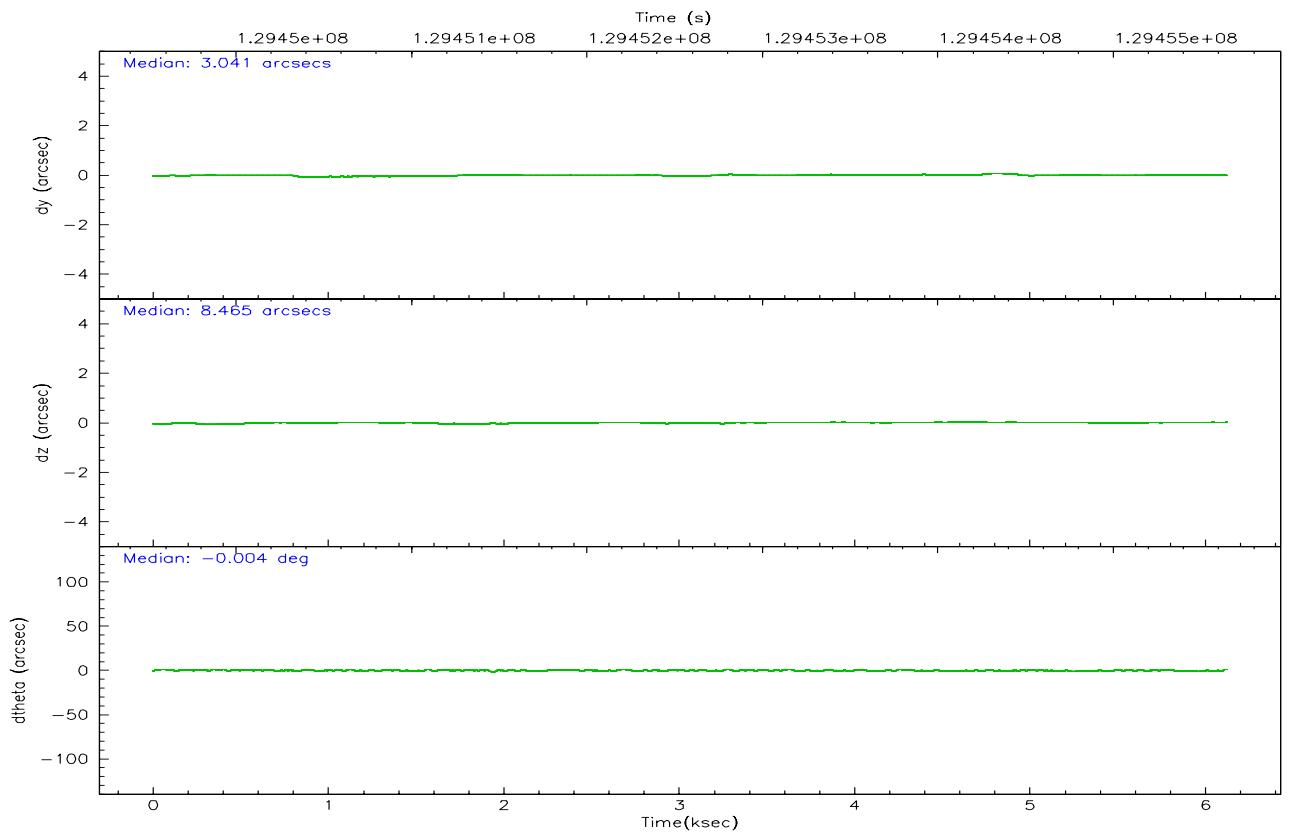
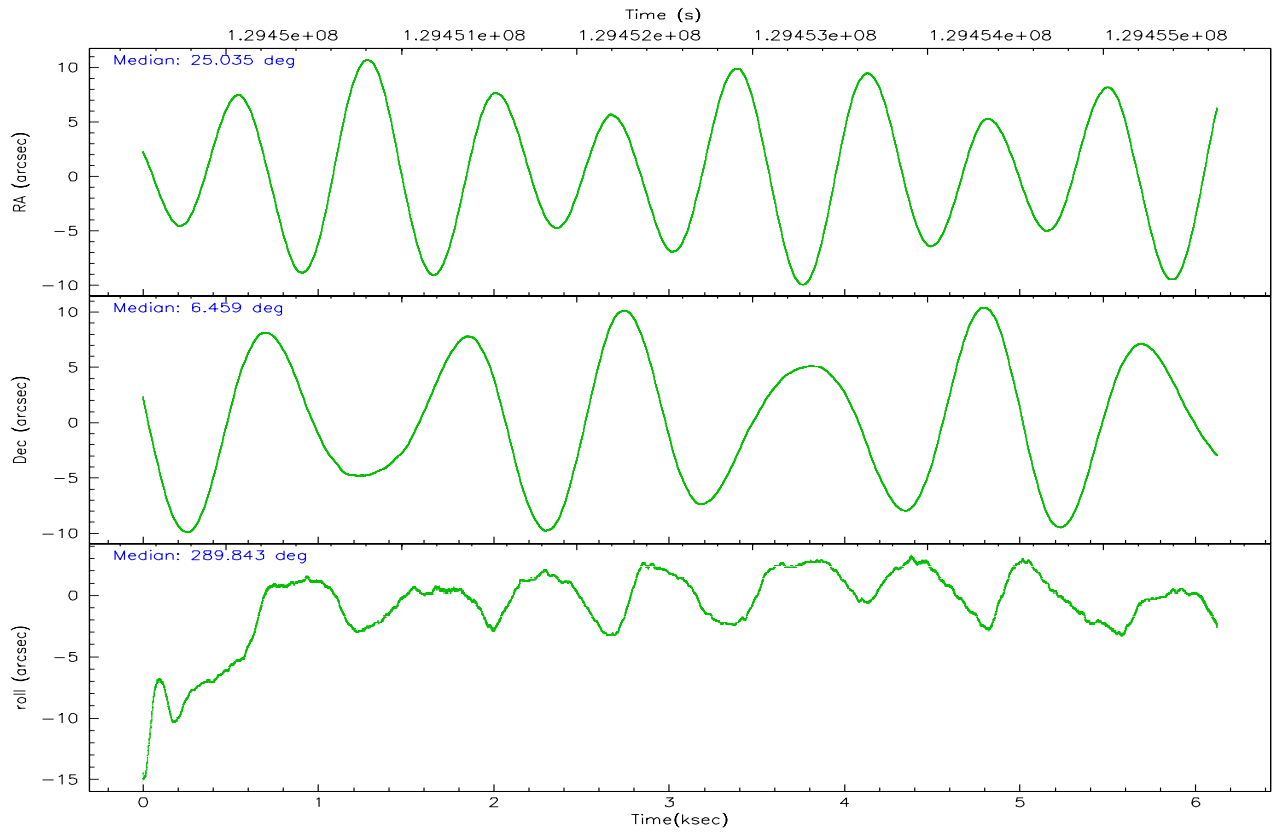
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	960	901	5800	923	819	1410
	4%	4%	17%	4%	3%	6%
grade 1 events	6	10	40	6	4	14
	0%	0%	0%	0%	0%	0%
grade 2 events	467	439	4012	429	2665	891
	2%	2%	12%	2%	10%	3%
grade 3 events	275	264	375	256	719	516
	1%	1%	1%	1%	2%	2%
grade 4 events	245	249	354	258	693	490
	1%	1%	1%	1%	2%	2%
grade 5 events	700	703	1345	748	1741	902
	3%	3%	4%	3%	6%	3%
grade 6 events	393	331	7051	400	6069	1160
	2%	1%	21%	1%	23%	4%
grade 7 events	16183	15514	13321	17216	12603	17954
	84%	84%	41%	85%	49%	76%

## 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	1/2	1/2
Pointing RA	25.014213	25.03532935419066	Subarray start row	0	257
Pointing Dec	6.476030	6.458670825503287	Subarray row count	1024	512
Pointing Roll	289.691500	289.8457453596953	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.8
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	129450651.184000	129449225.20391			
Observation start date	2002-02-07T06:29:47	2002-02-07T06:07:05			
Observation end time	129455651.184000	129455996.86668			
Observation end date	2002-02-07T07:53:07	2002-02-07T07:59:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect





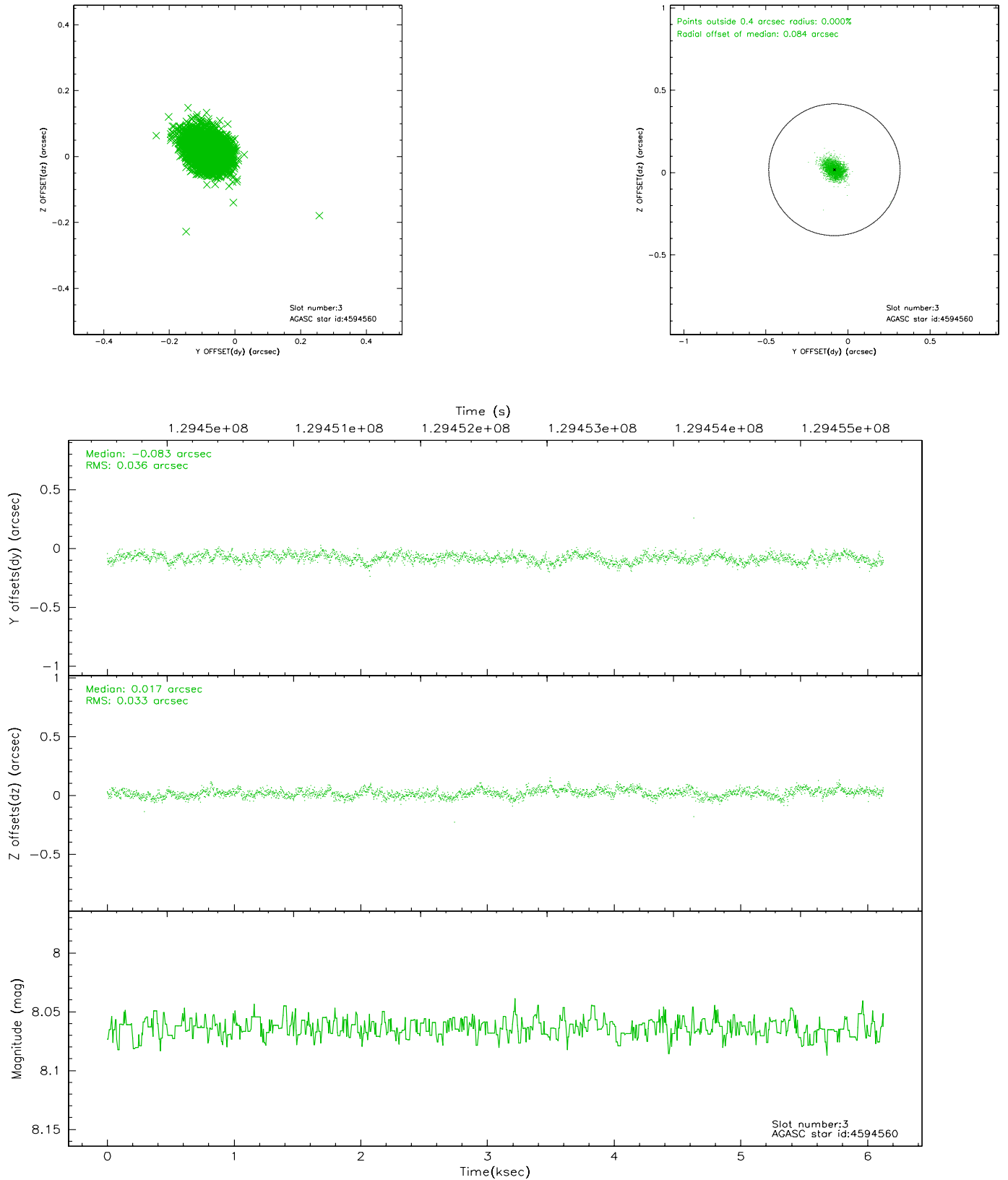
### Slot Statistics

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	1494	0.005	0.020	0.006	0.010	0.000000	0.000000	-755.68	-1729.59
1	FID	ACIS-S-4	7.20	1494	-0.080	-0.008	0.005	0.009	0.000000	0.000000	2157.08	177.86
2	FID	ACIS-S-5	7.24	1494	0.044	-0.003	0.006	0.011	0.000000	0.000000	-1807.23	172.64
3	GUIDE	4594560	8.06	2989	-0.083	0.017	0.051	0.082	25.098147	7.086581	-1968.45	1023.09
4	GUIDE	4461208	8.88	2912	0.108	-0.067	0.073	0.118	24.998304	5.758034	2414.15	-924.03
5	GUIDE	4590488	9.14	2988	0.025	0.068	0.071	0.115	25.449436	6.532035	334.96	1533.71
6	GUIDE	4589688	9.68	2949	-0.081	-0.037	0.094	0.150	25.023856	6.948308	-1588.94	606.02
7	GUIDE	4589792	9.56	2985	0.038	0.018	0.110	0.183	25.432430	7.012357	-1315.45	2058.12

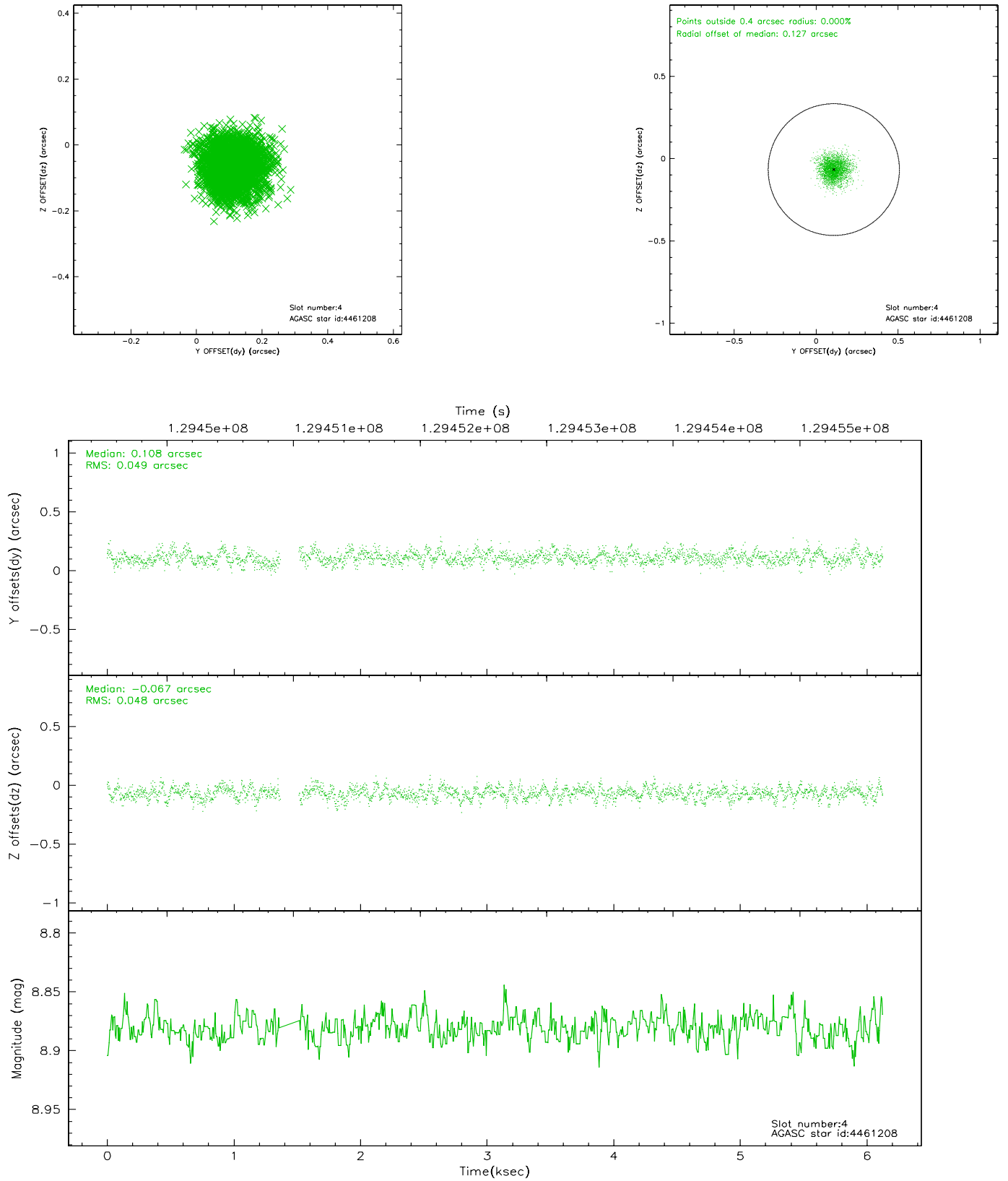


## 2.4 Star Slots

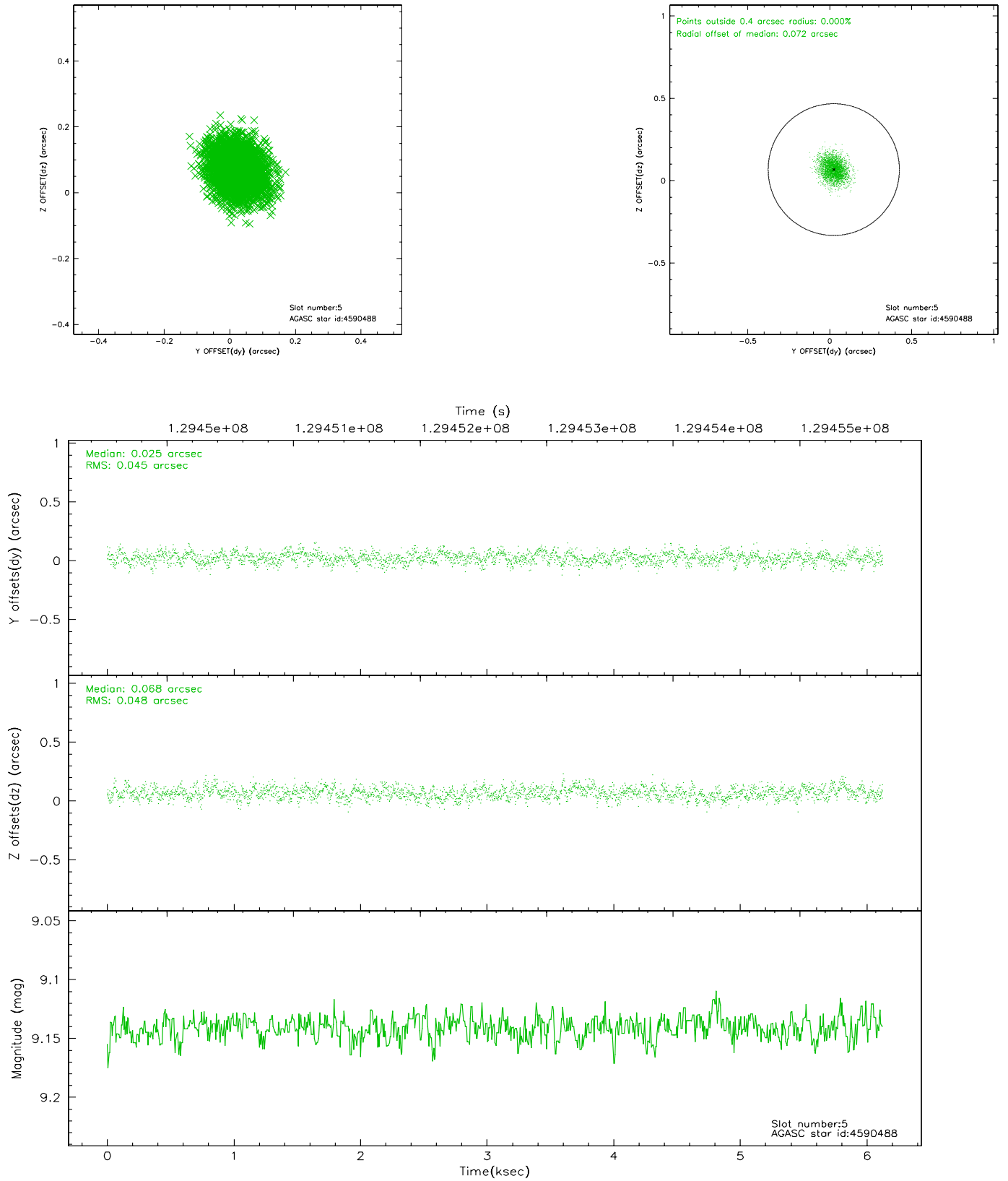
### 2.4.1 Slot 3



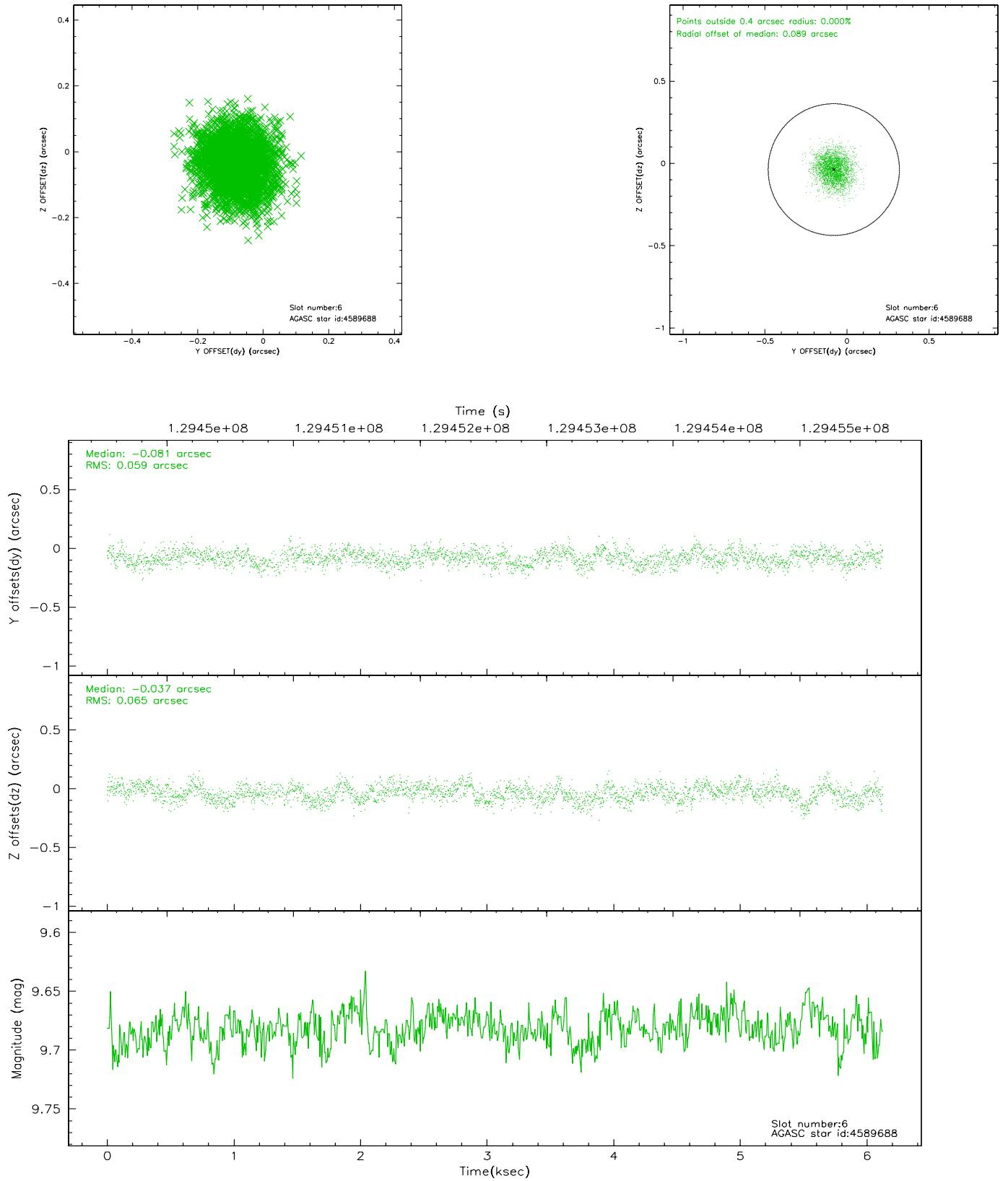
## 2.4.2 Slot 4



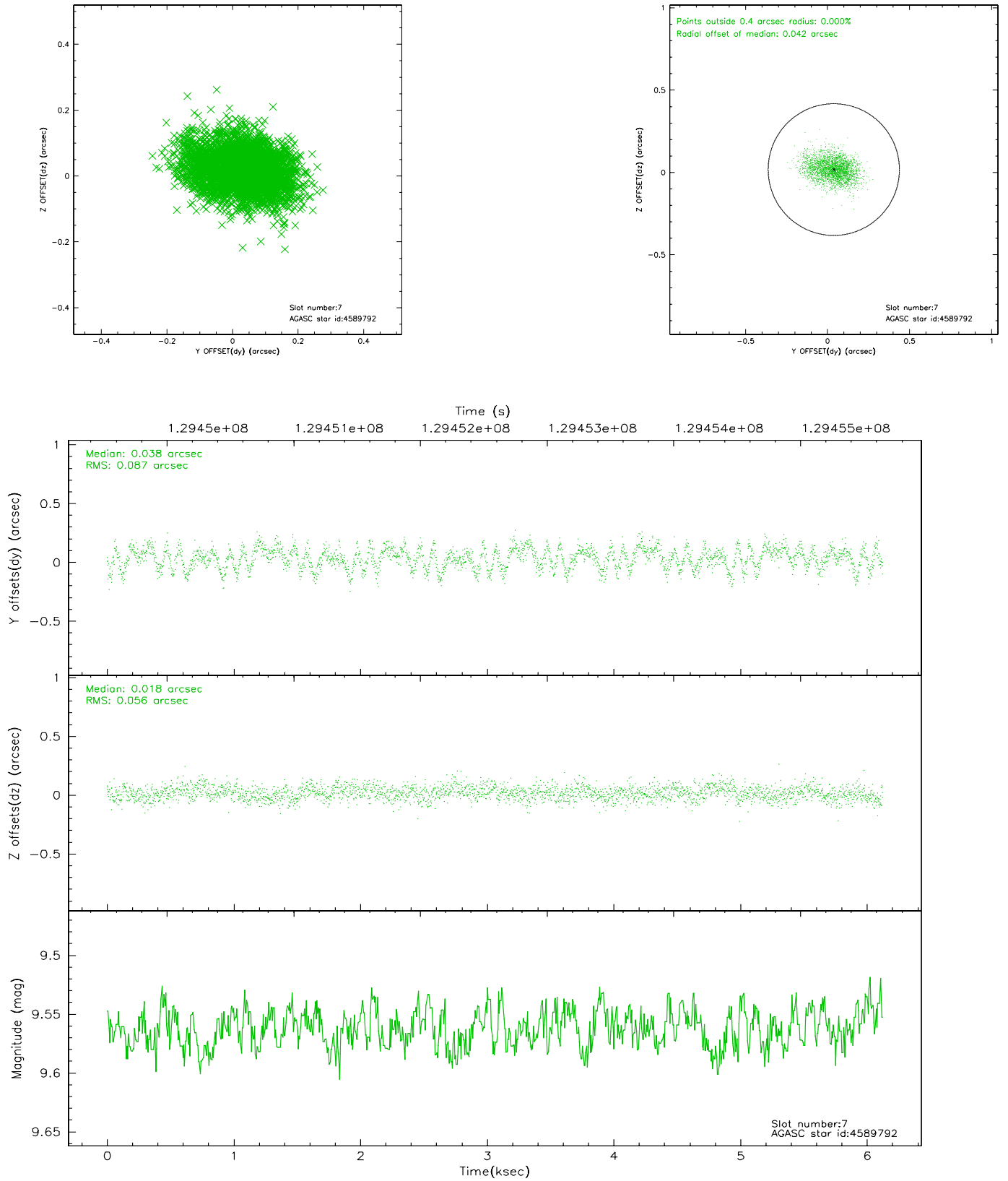
### 2.4.3 Slot 5



## 2.4.4 Slot 6

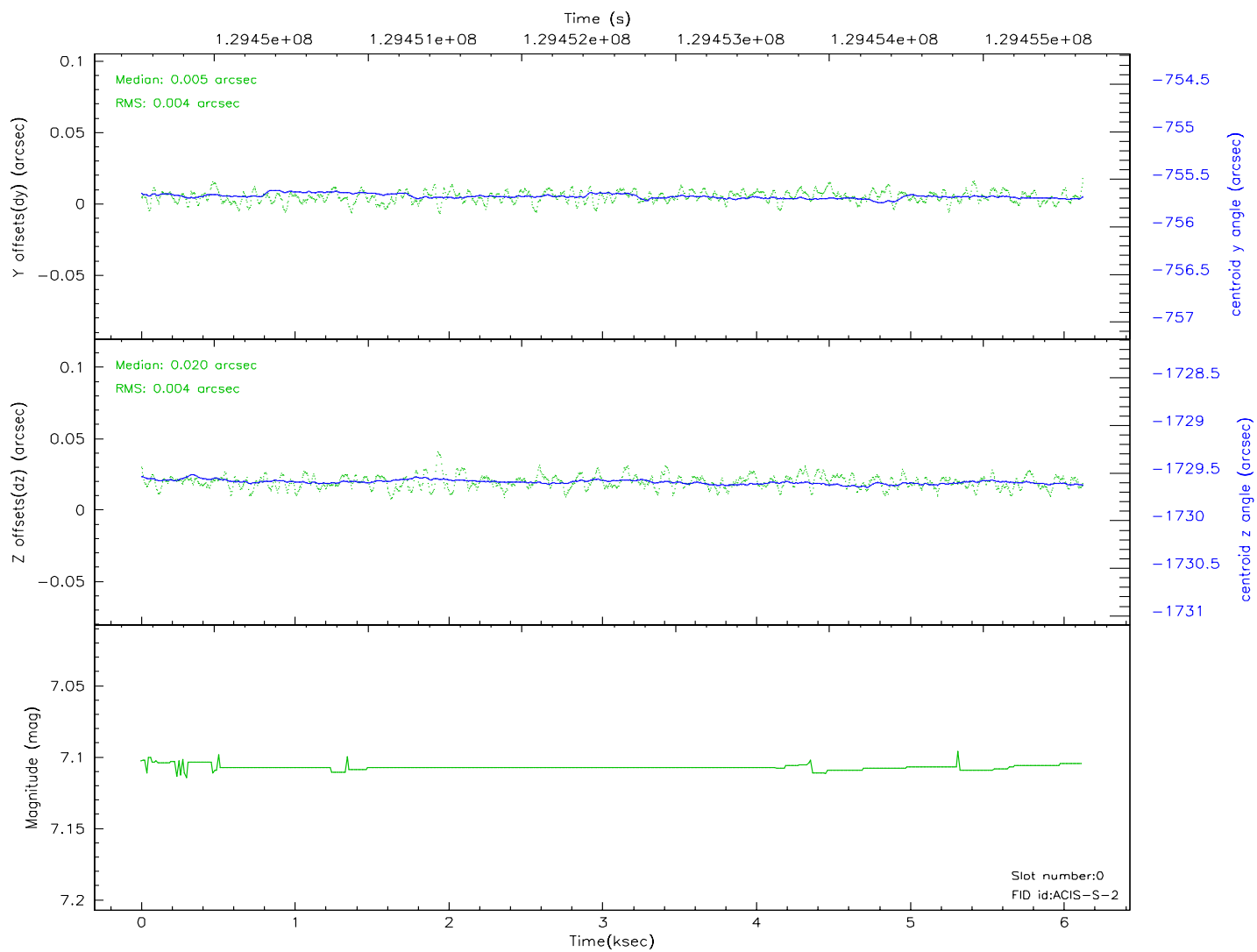
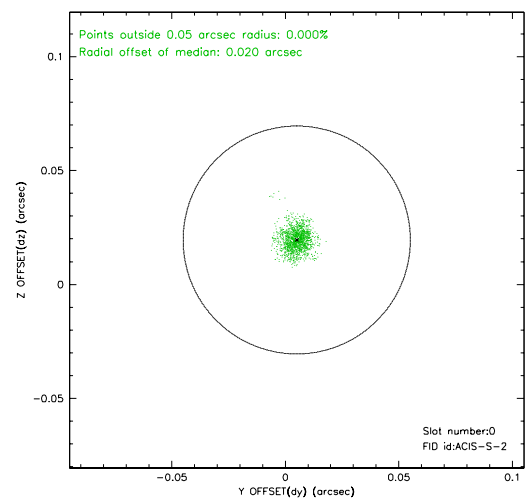
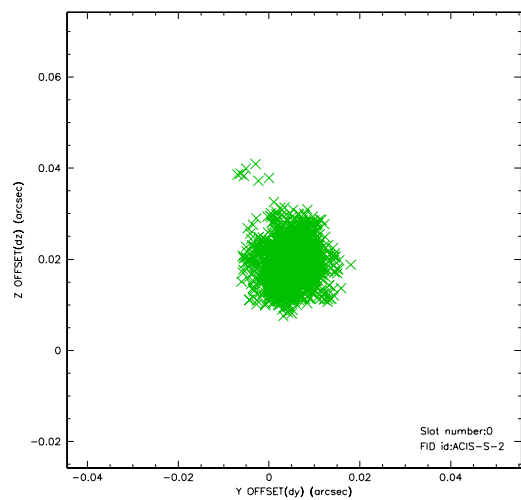


## 2.4.5 Slot 7

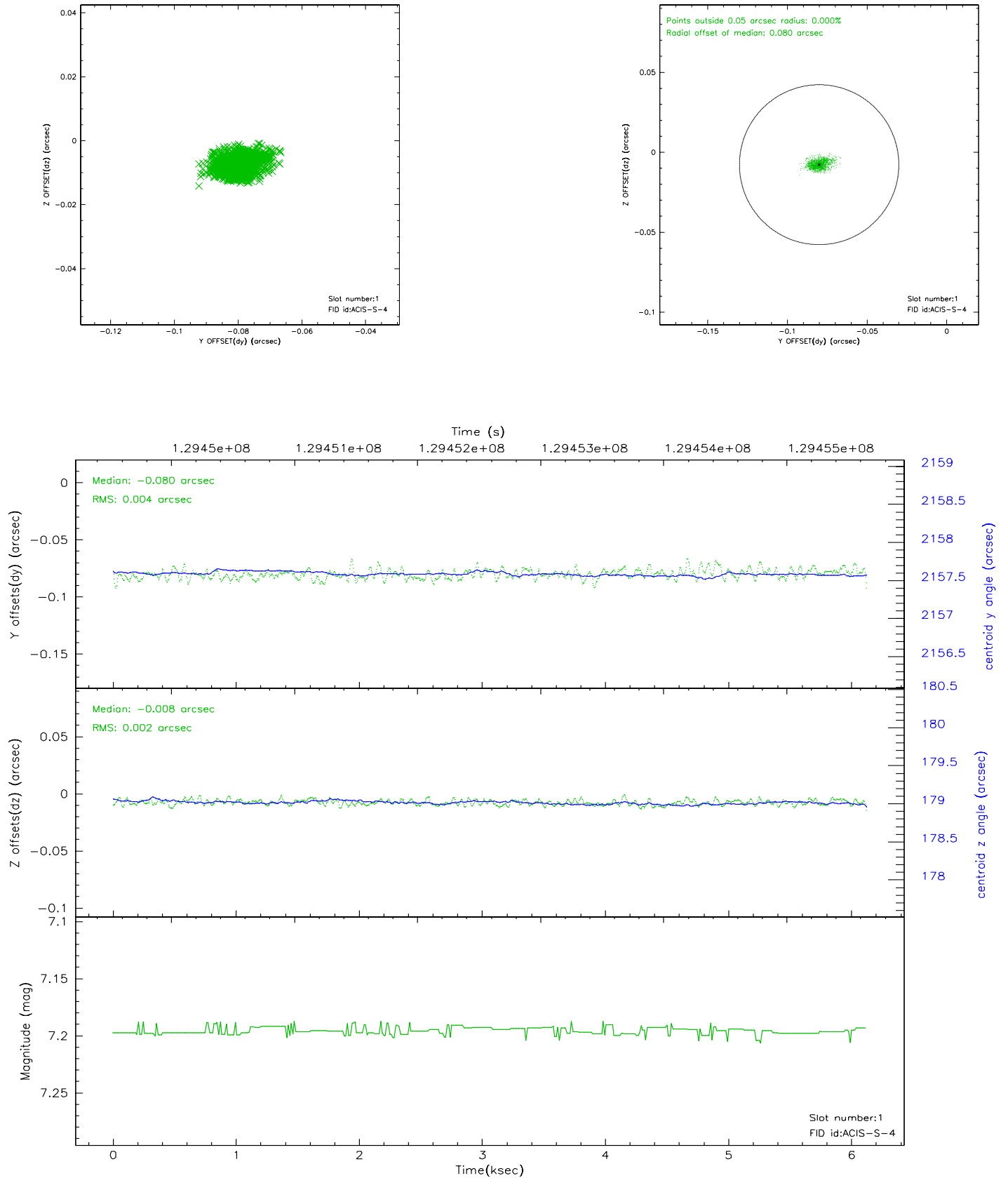


## 2.5 FID Slots

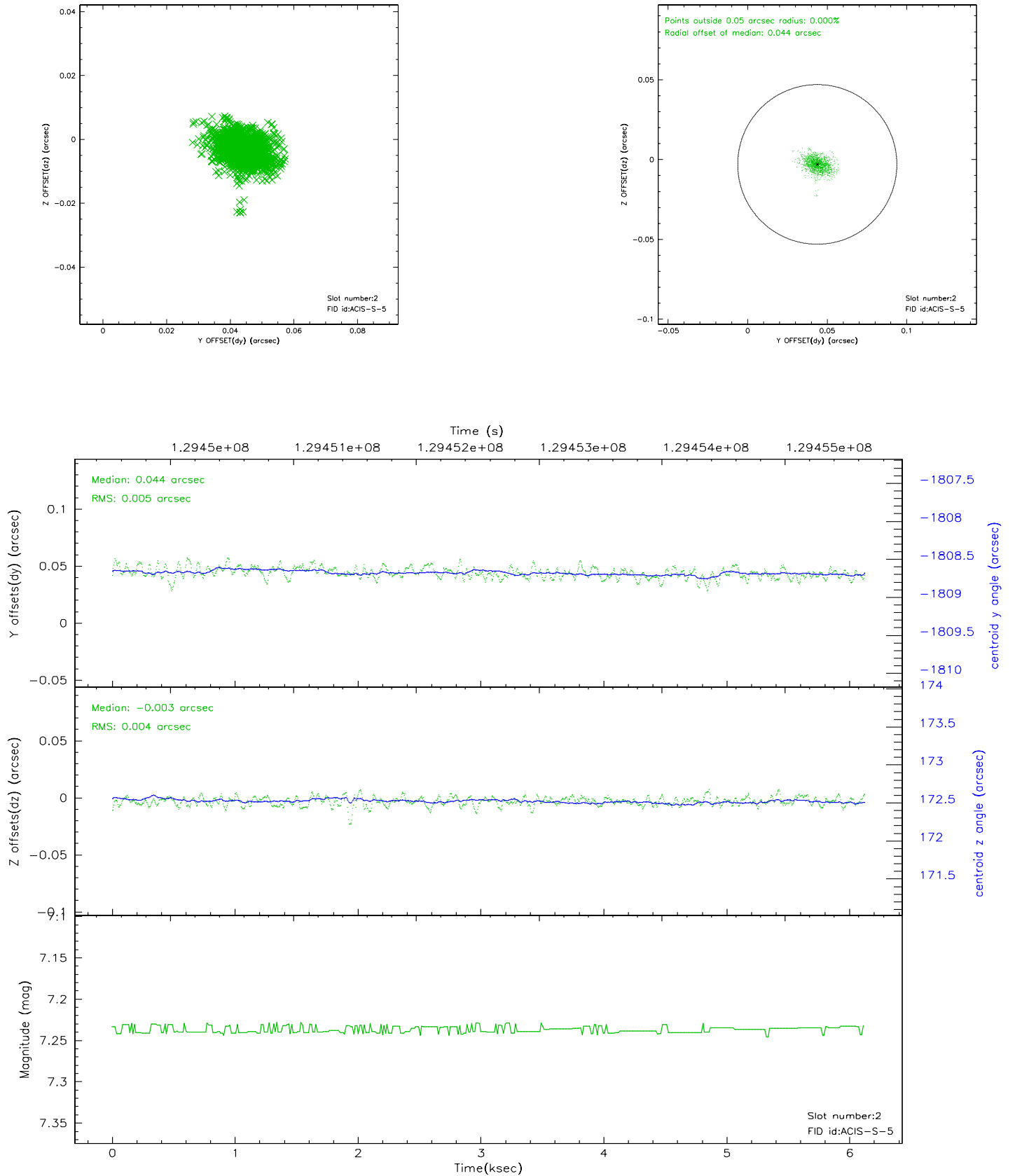
### 2.5.1 Slot 0



## 2.5.2 Slot 1

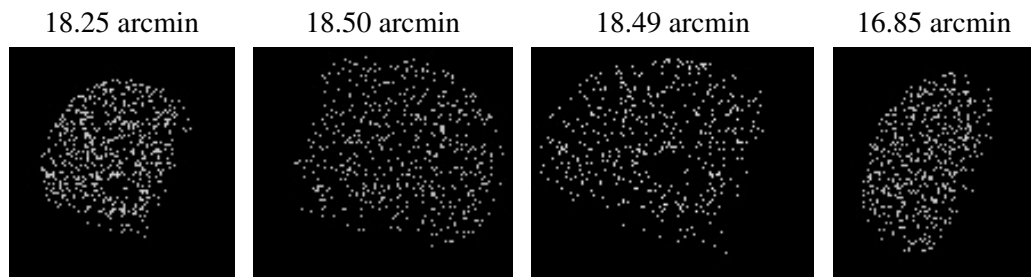


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.403

### A.2 Comments