

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4470 - L2 Version 001  
Chandra X-Ray Center

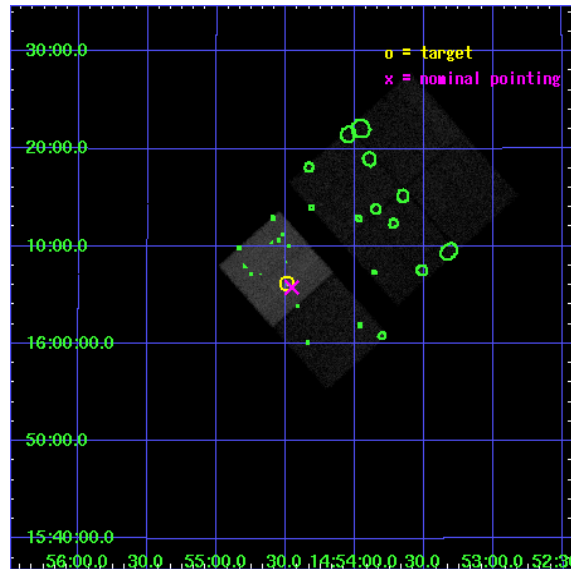
L2 Processing Date : May 23 2006

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# 1 Front

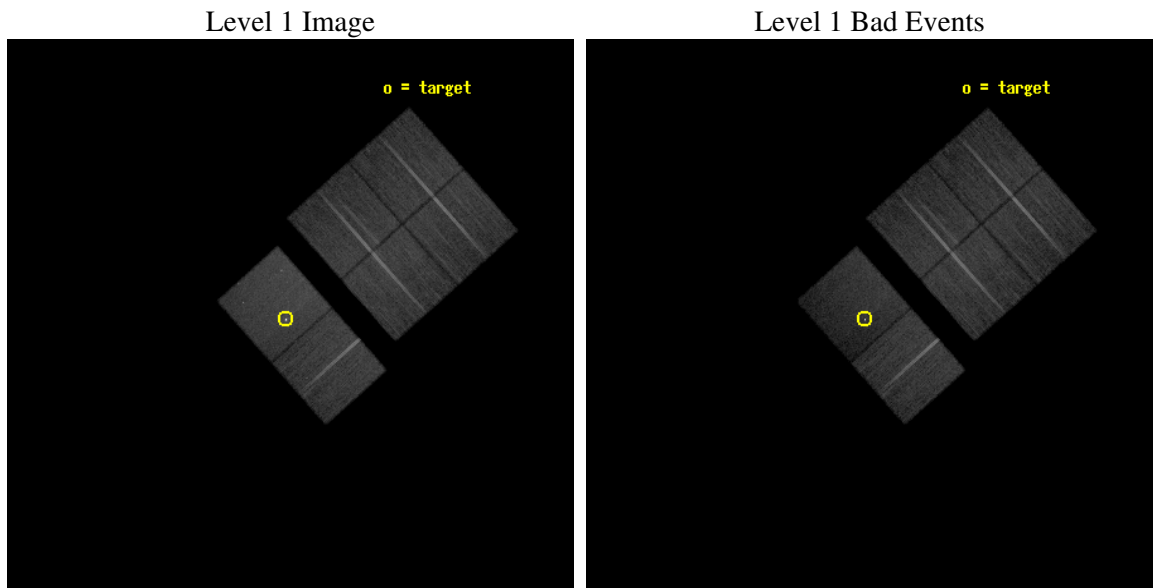
seq_num	200239
obs_id	4470
title	AGE AND TEMPERATURE DEPENDENCE OF X-RAY ACTIVITY AT THE COOL END OF THE MAIN-SEQUENCE
observer	Dr. Beate Stelzer
object	Gl 569 BC
dtcycle	0
cycle	P
ra_targ	223.62225
dec_targ	16.102361
ra_nom	223.61433929689
dec_nom	16.096390770051
roll_nom	228.23944405222
revision	2
ontime	25174.399906218
livetime	24855.626496402
ontime0	25171.158915937
ontime1	25167.917925745
ontime2	25167.917925775
ontime3	25174.399906218
ontime6	25174.399906218
ontime7	25174.399906218
l2events	143628



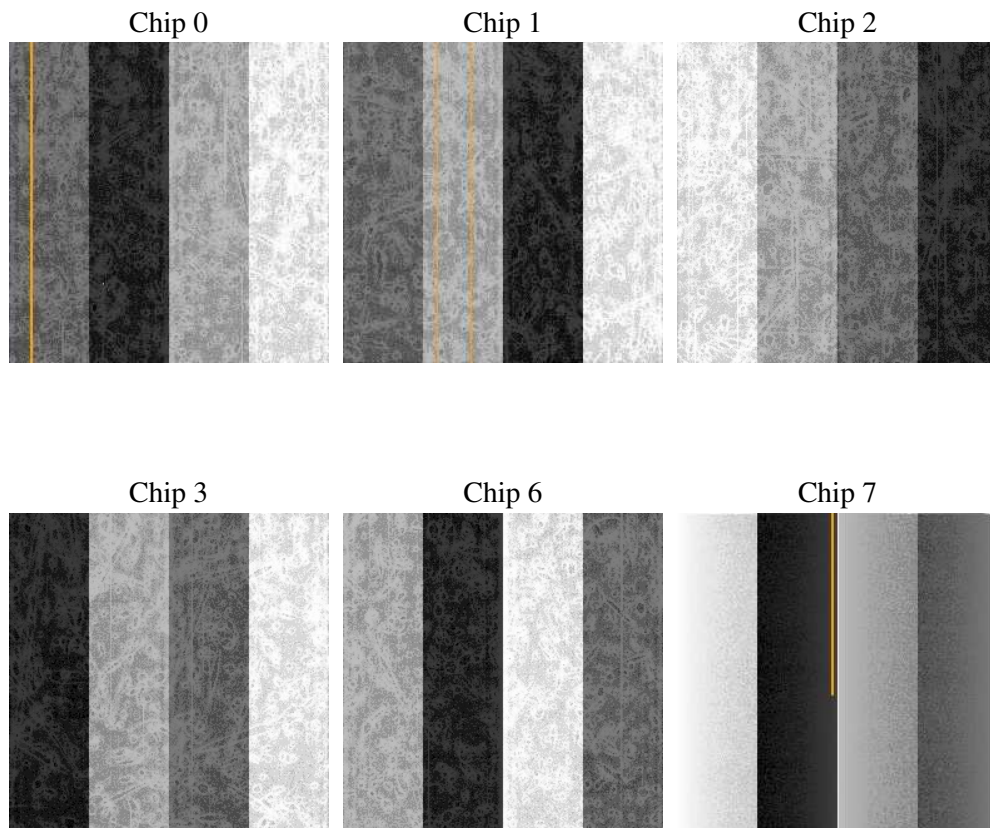
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-23T12:13:30
revision	2

sched_exp_time	25000.000000
ontime	25189.121045291
ontime0	25185.880035102
ontime1	25182.639064819
ontime2	25182.63904494
ontime3	25189.121045291
ontime6	25189.121045291
ontime7	25189.121045291
l1events	954024

### 2.1.4 Events

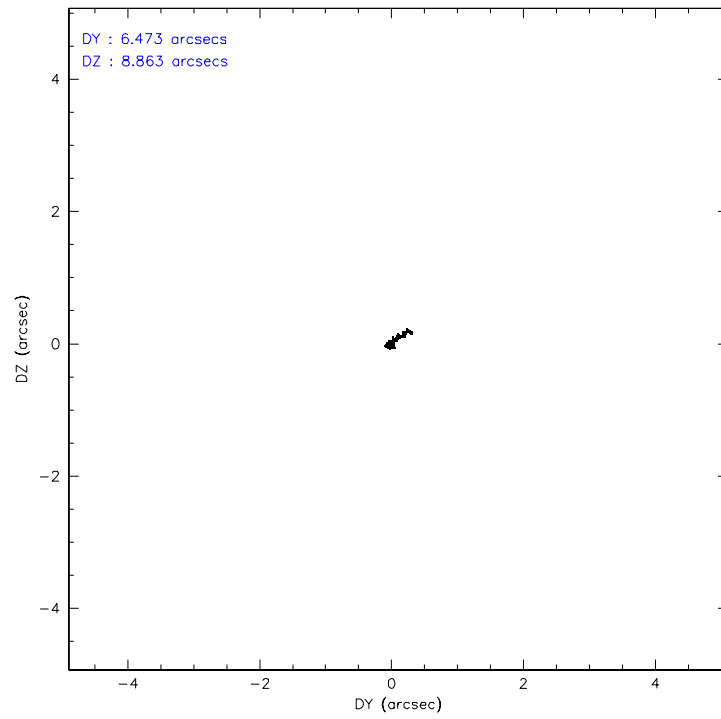
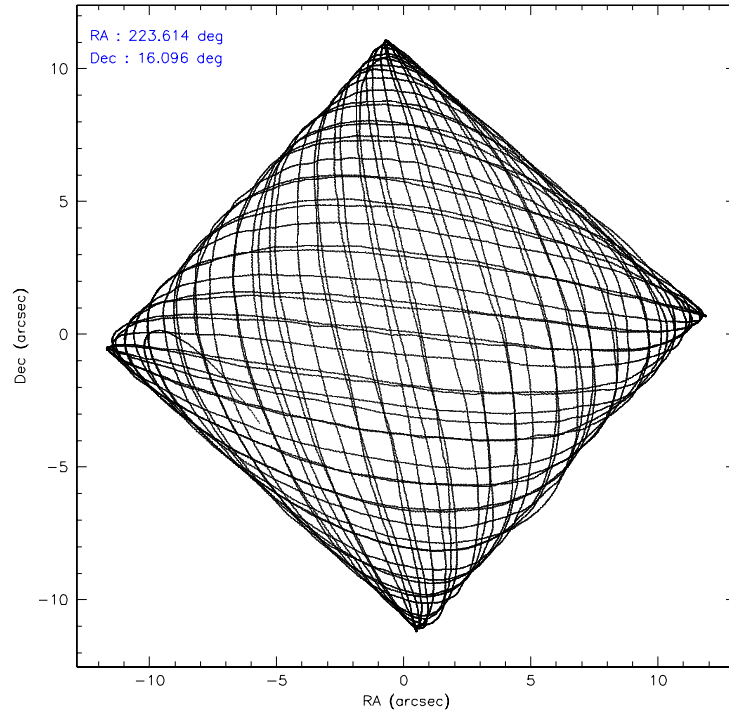
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	151139	143847	164871	149741	159435	184991
rejected events	135726	126798	149810	134869	143049	104528
rejected %	89%	88%	90%	90%	89%	56%

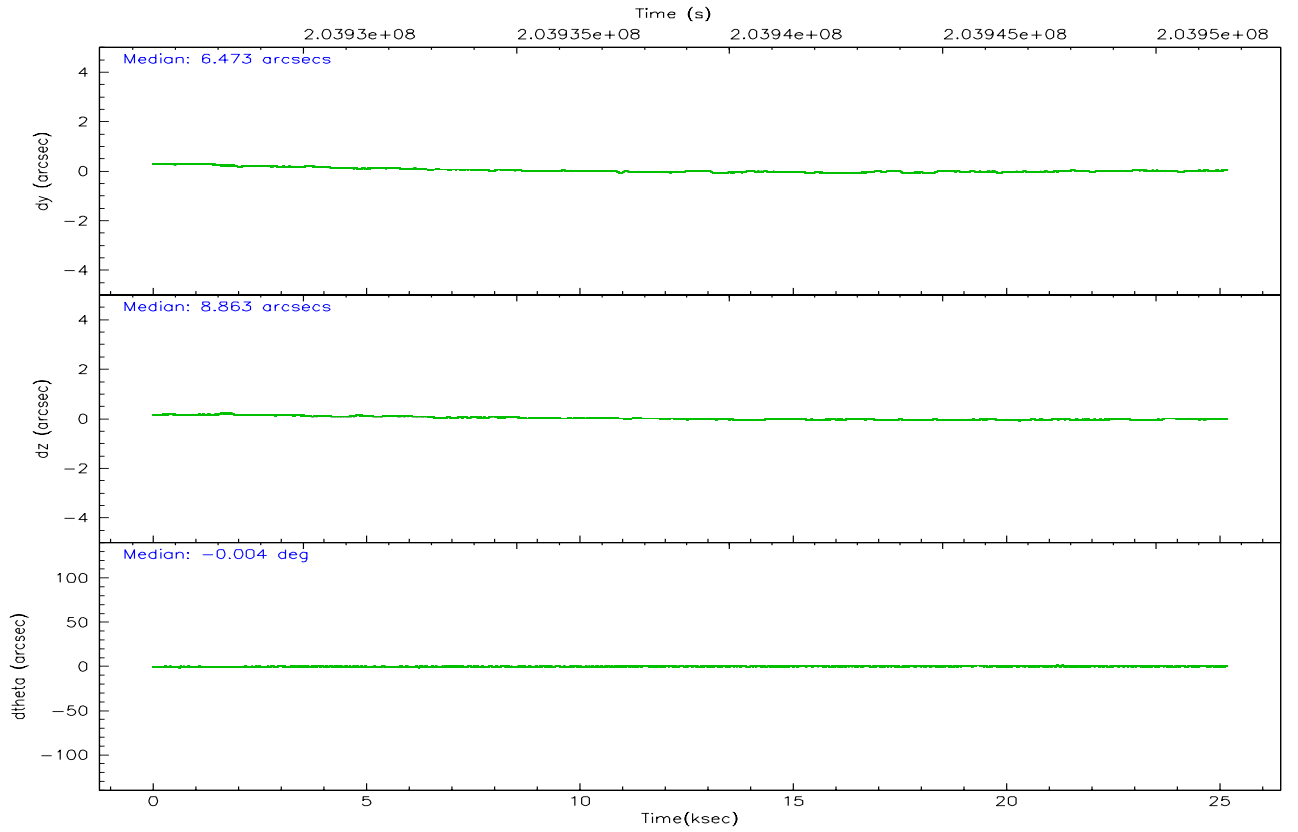
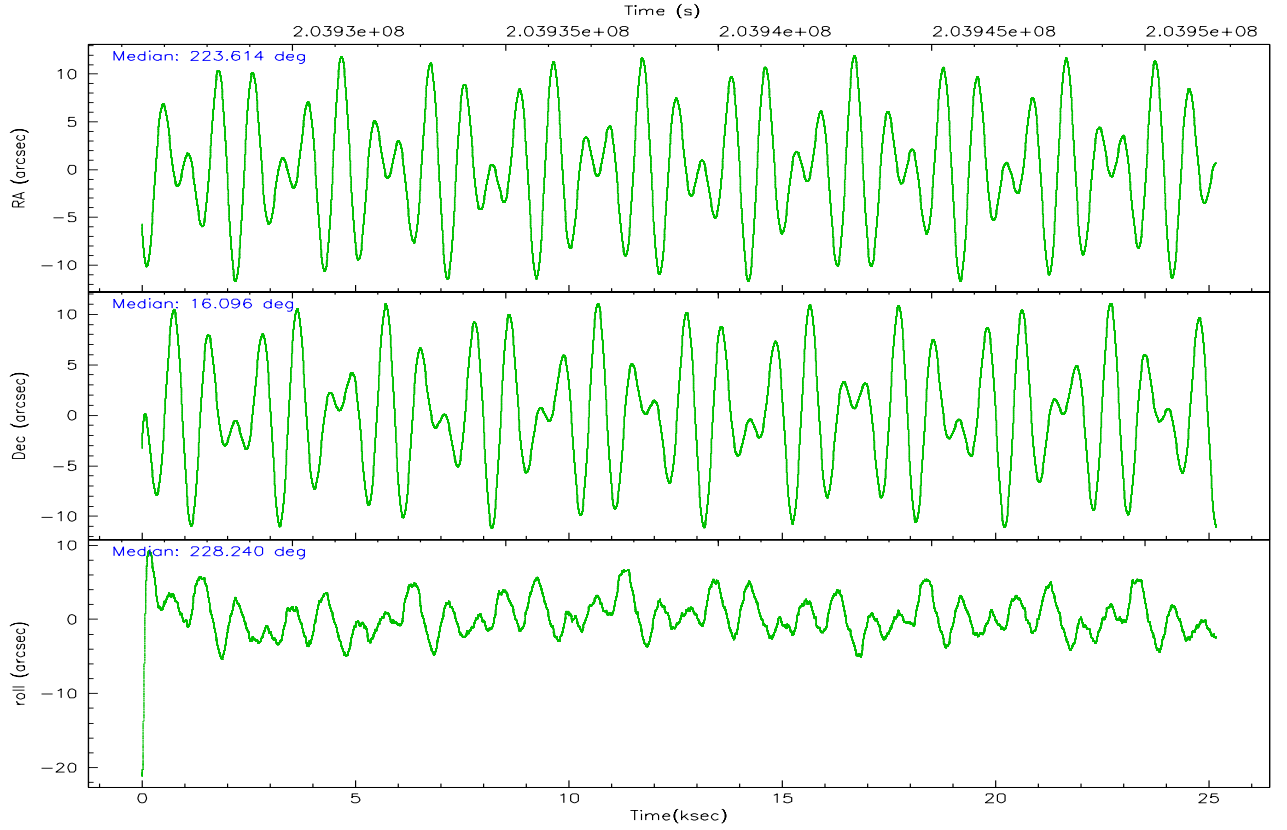
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5206	6277	5473	5813	5964	6888
	3%	4%	3%	3%	3%	3%
grade 1 events	60	60	71	86	66	308
	0%	0%	0%	0%	0%	0%
grade 2 events	3687	3583	3614	2965	3461	19783
	2%	2%	2%	1%	2%	10%
grade 3 events	1781	1973	1589	1623	1813	5012
	1%	1%	0%	1%	1%	2%
grade 4 events	1609	1884	1662	1636	1723	4805
	1%	1%	1%	1%	1%	2%
grade 5 events	5818	5707	4996	6038	6223	13789
	3%	3%	3%	4%	3%	7%
grade 6 events	3139	3343	2730	2839	3433	44033
	2%	2%	1%	1%	2%	23%
grade 7 events	129839	121020	144736	128741	136752	90373
	85%	84%	87%	85%	85%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	223.619733	223.6143392968949	Alternating exposures requested	N	N
Pointing Dec	16.123125	16.09639077005149	Primary exposure time	0.000000	3.2
Pointing Roll	228.081335	228.239444052221			
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	203926657.184000	203925584.34015			
Observation start date	2004-06-18T06:16:33	2004-06-18T05:59:44			
Observation end time	203951657.184000	203952038.05382			
Observation end date	2004-06-18T13:13:13	2004-06-18T13:20:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect





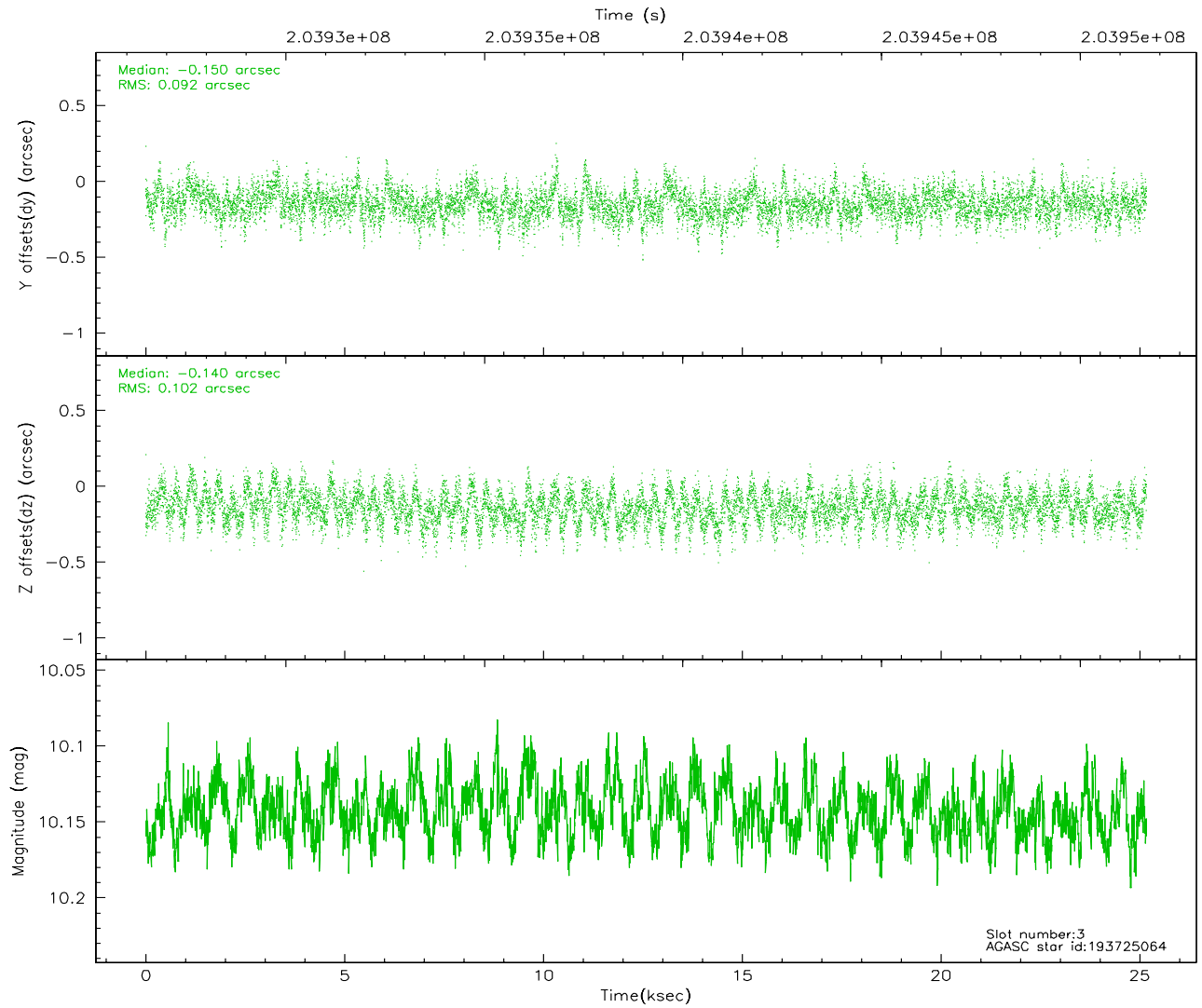
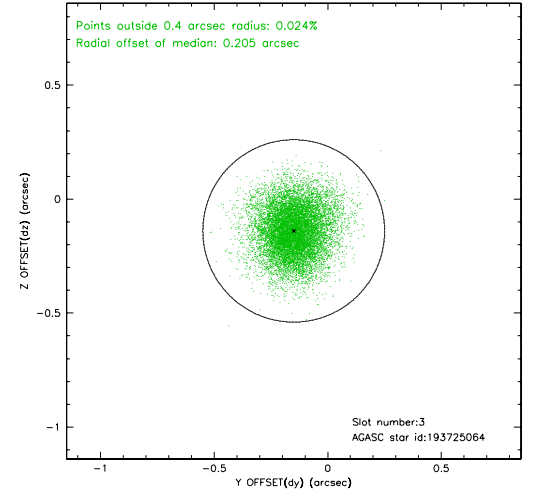
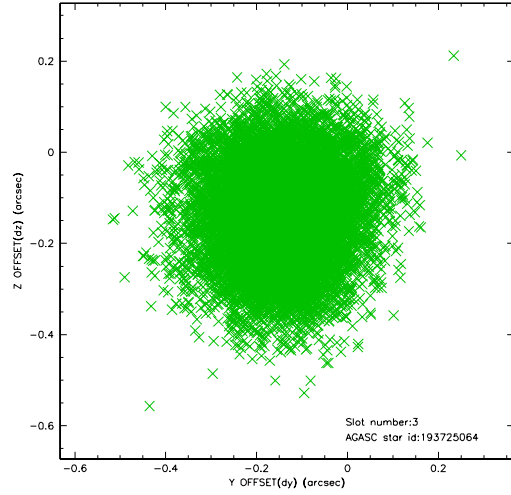
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6142	-0.032	-0.027	0.009	0.023	0.000000	0.000000	-759.28	-1730.08
1	FID	ACIS-S-4	7.21	6142	0.046	0.023	0.007	0.029	0.000000	0.000000	2154.02	178.32
2	FID	ACIS-S-5	7.23	6142	-0.044	0.012	0.009	0.022	0.000000	0.000000	-1811.98	172.12
3	GUIDE	193725064	10.14	12265	-0.150	-0.140	0.146	0.238	223.634645	16.731472	-1664.24	-1424.86
4	GUIDE	193727816	8.28	12271	0.016	0.002	0.062	0.099	223.575128	15.529957	1692.29	1311.44
5	GUIDE	193730968	7.51	12284	0.097	0.030	0.067	0.106	223.708209	15.325320	1932.10	2147.55
6	GUIDE	194644072	9.77	12272	-0.124	-0.061	0.132	0.209	224.201328	16.328954	-1895.89	998.49
7	GUIDE	193729184	9.74	12244	0.161	0.158	0.148	0.228	223.790929	15.316789	1762.76	2381.75

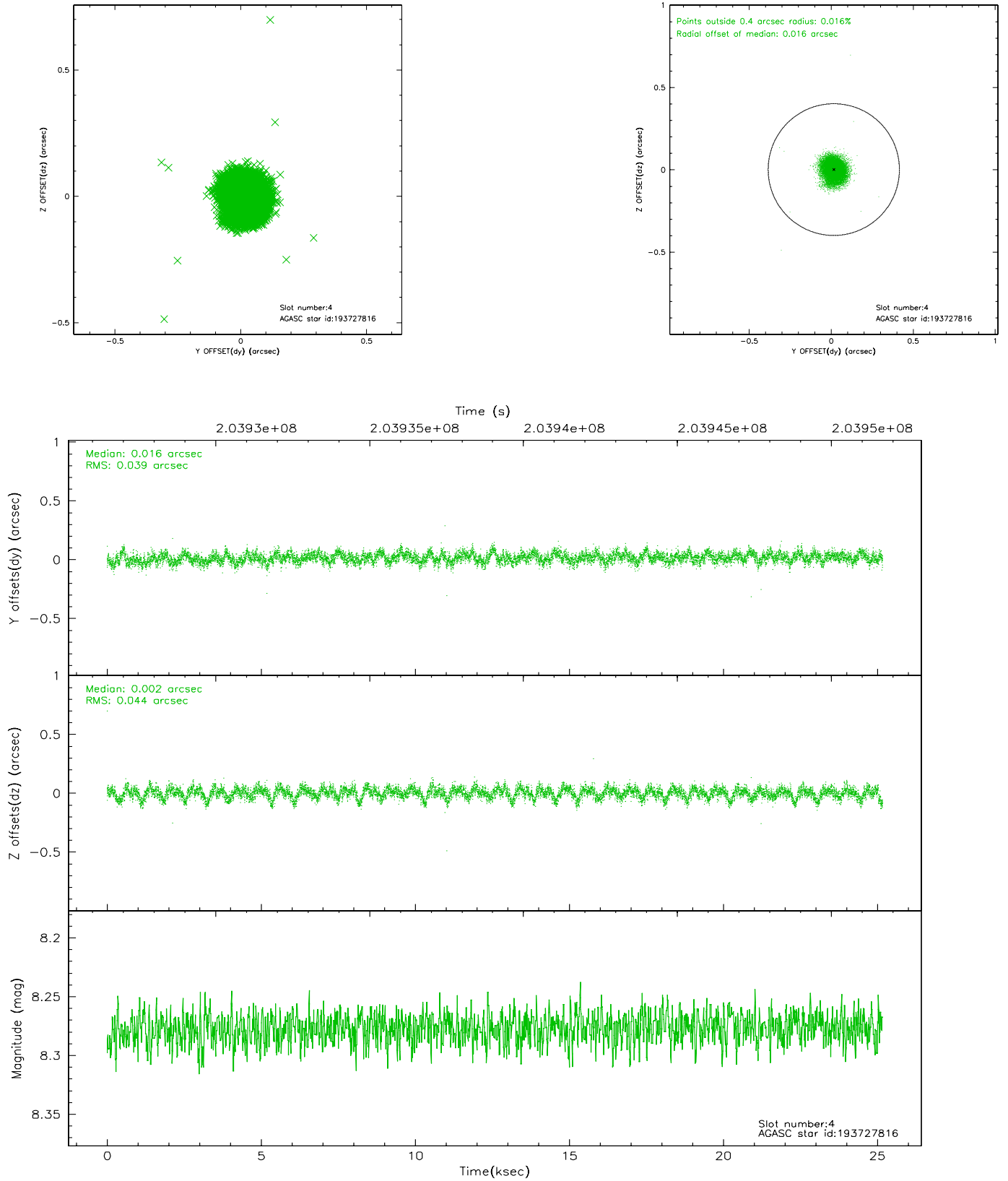


## 2.4 Star Slots

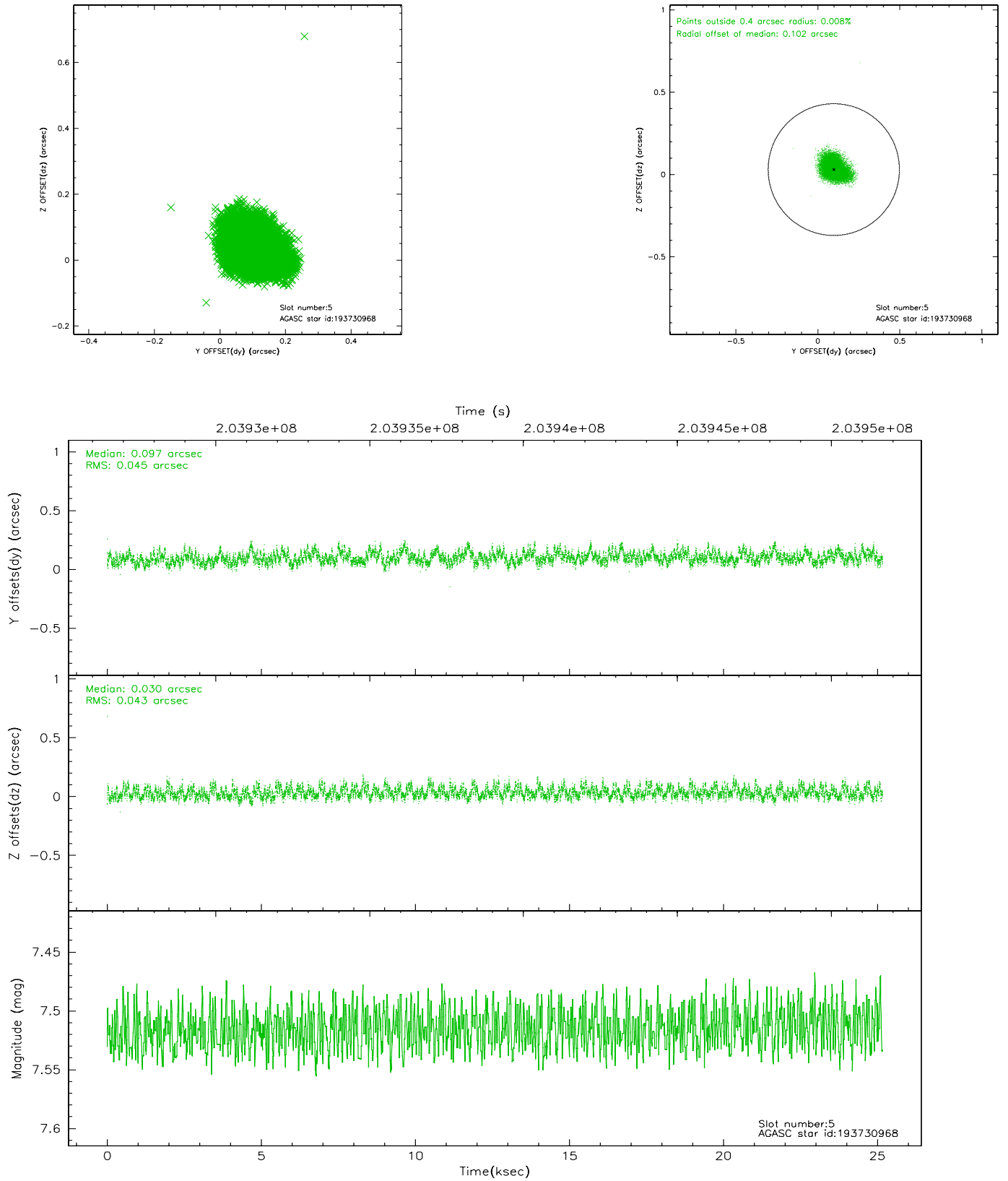
### 2.4.1 Slot 3



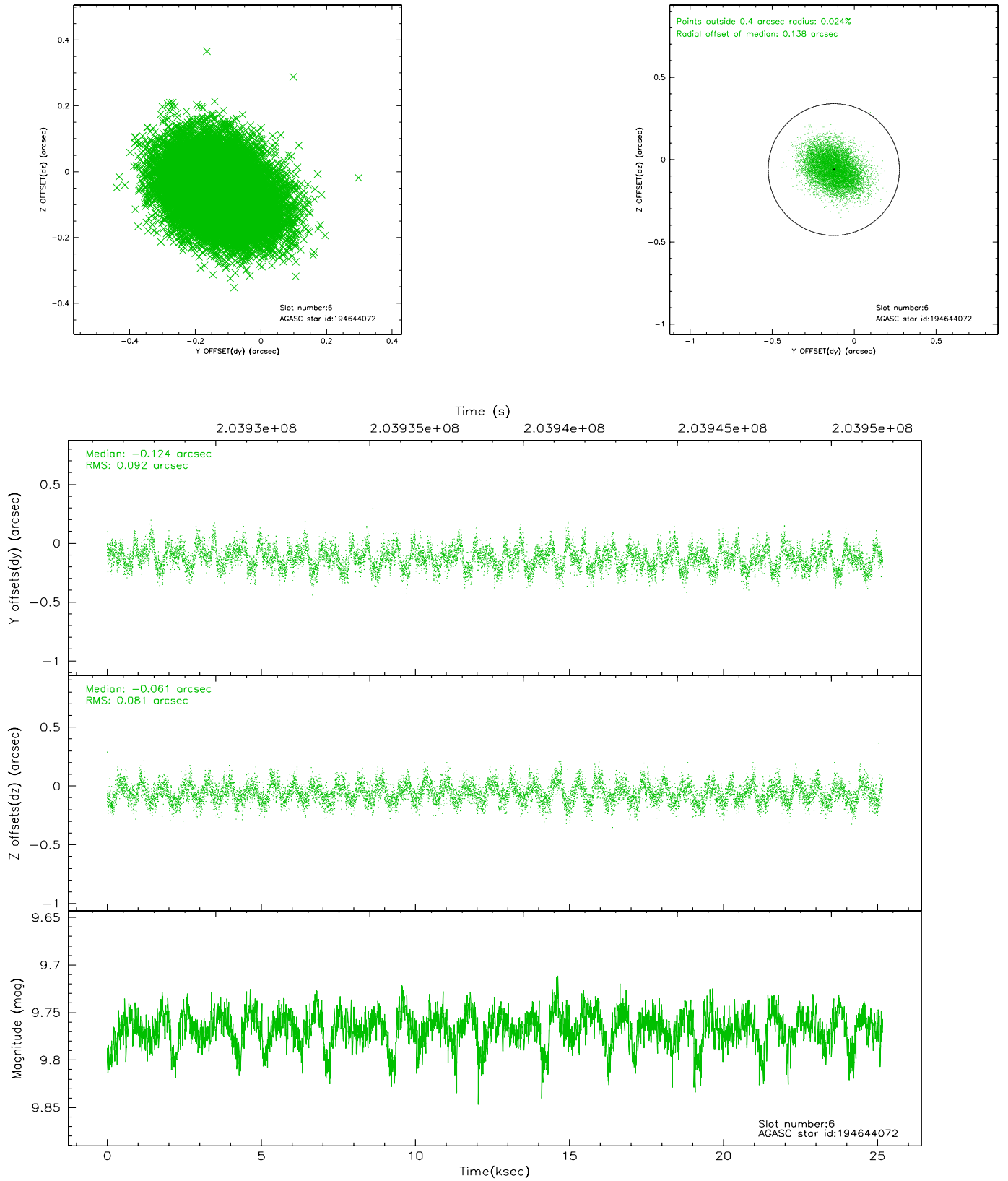
## 2.4.2 Slot 4



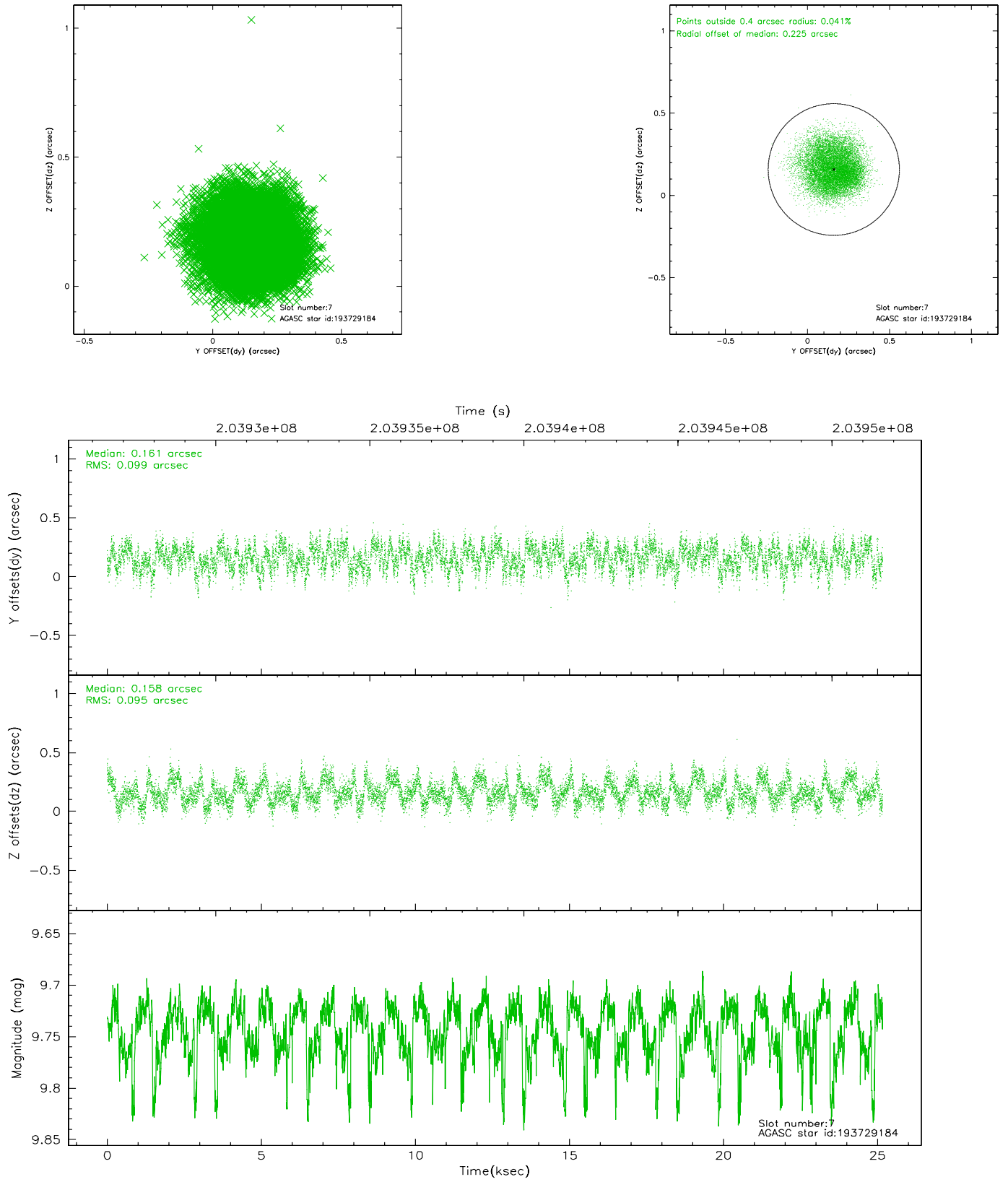
### 2.4.3 Slot 5



## 2.4.4 Slot 6

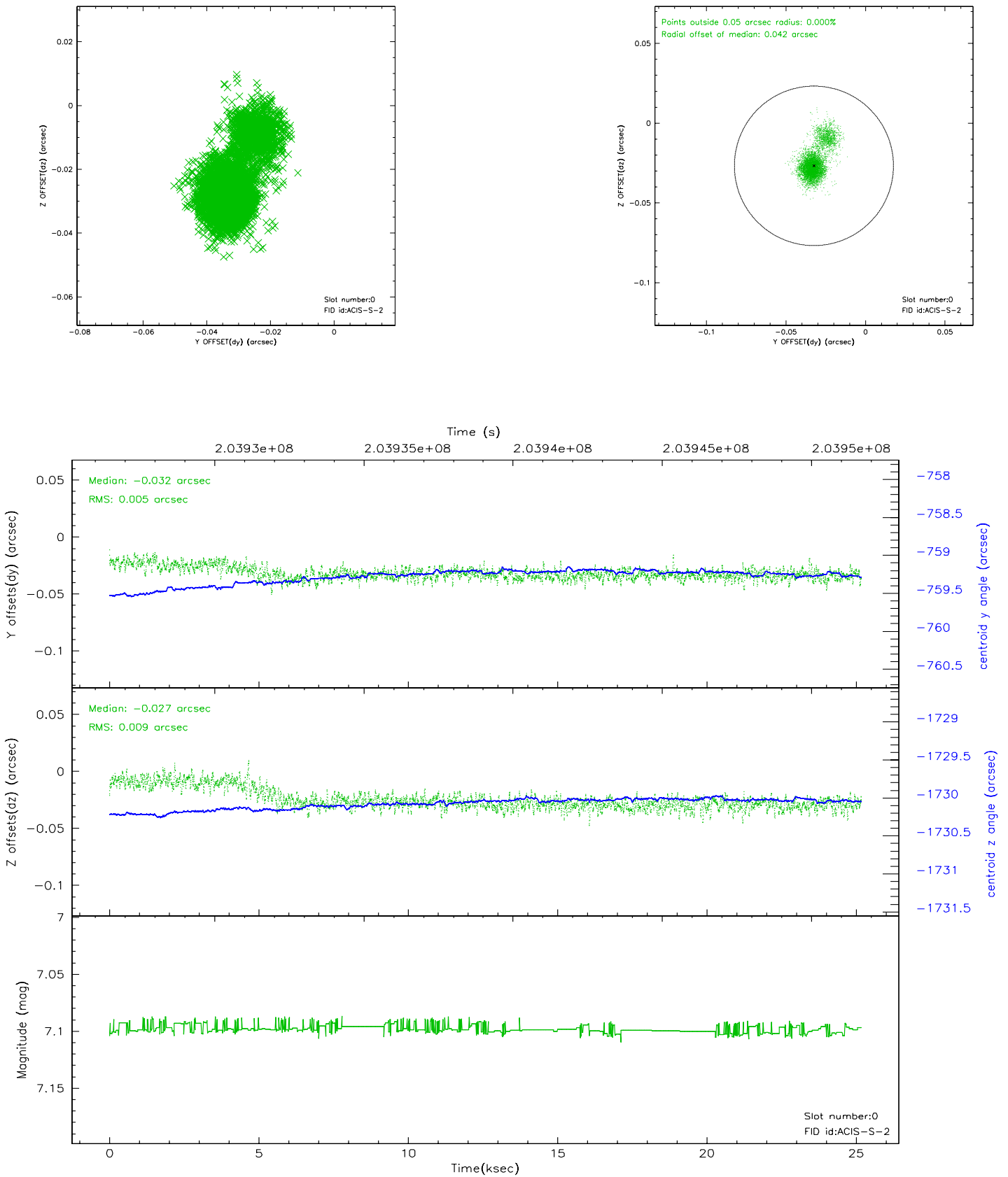


## 2.4.5 Slot 7

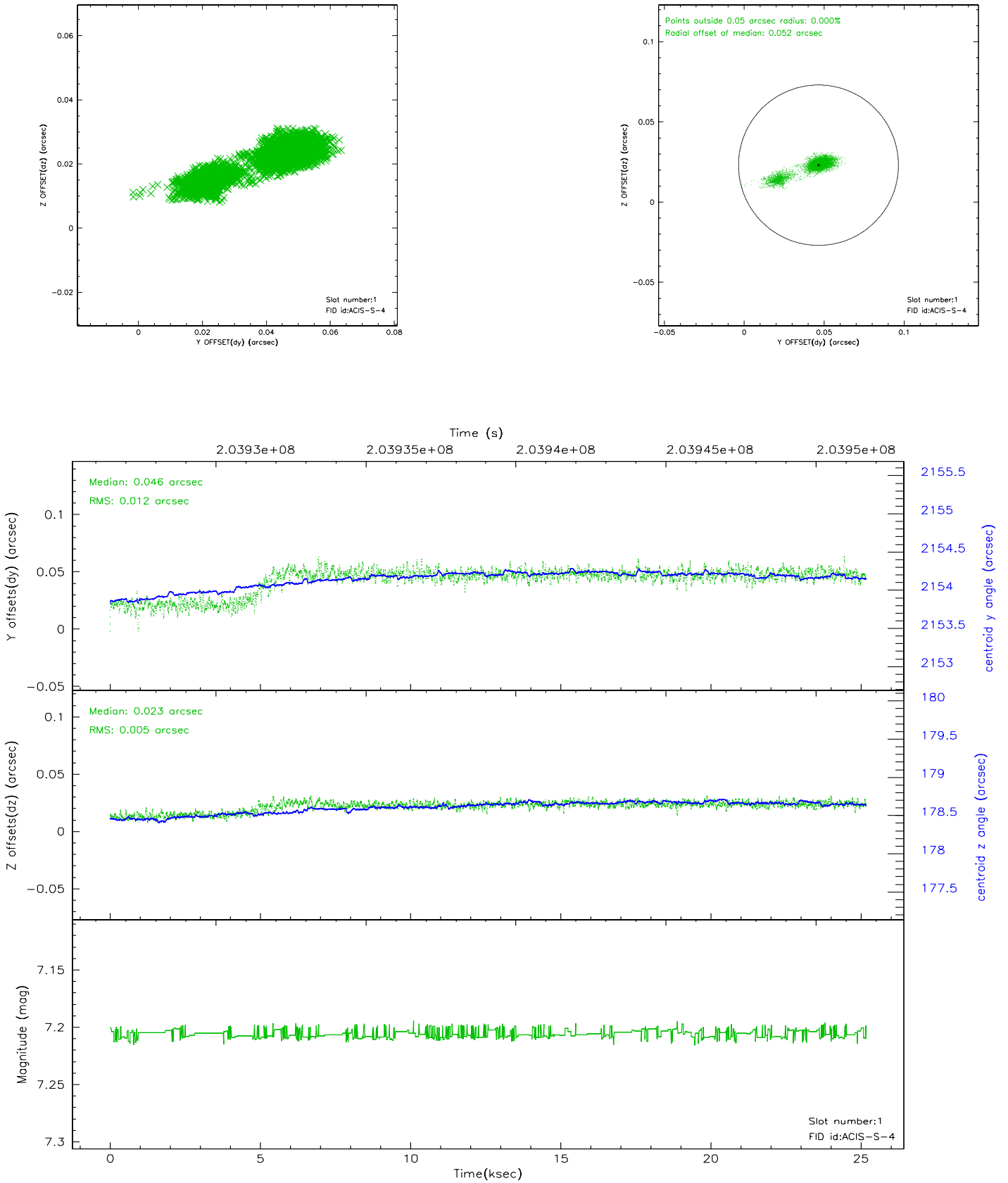


## 2.5 FID Slots

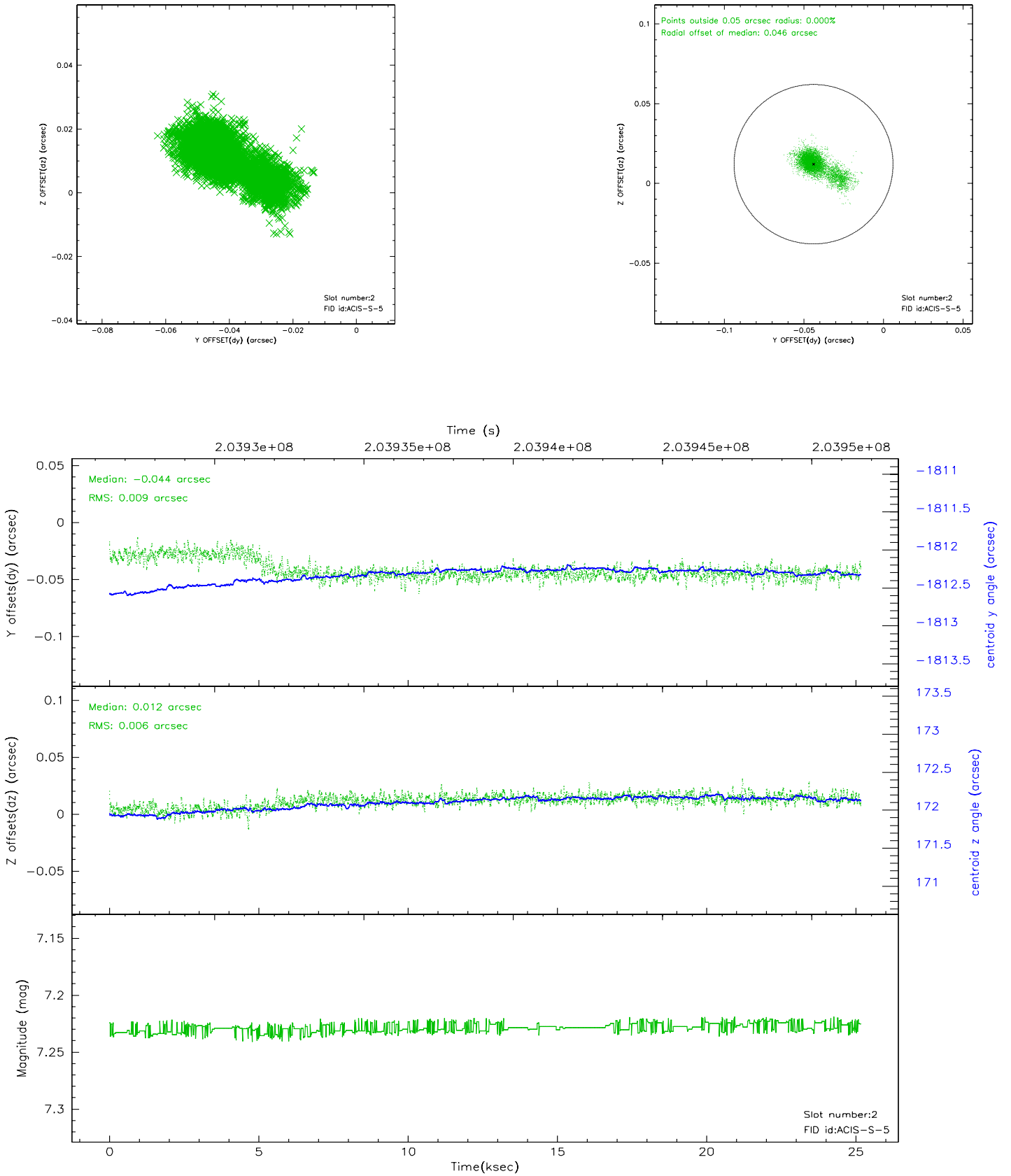
### 2.5.1 Slot 0



## 2.5.2 Slot 1

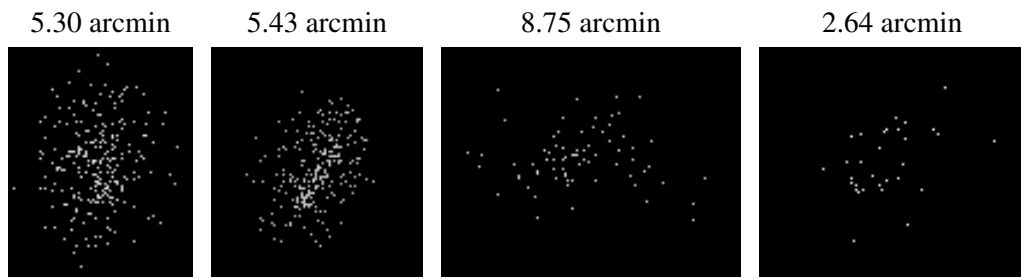


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.174

### A.2 Comments