

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2223 - L2 Version 001  
Chandra X-Ray Center

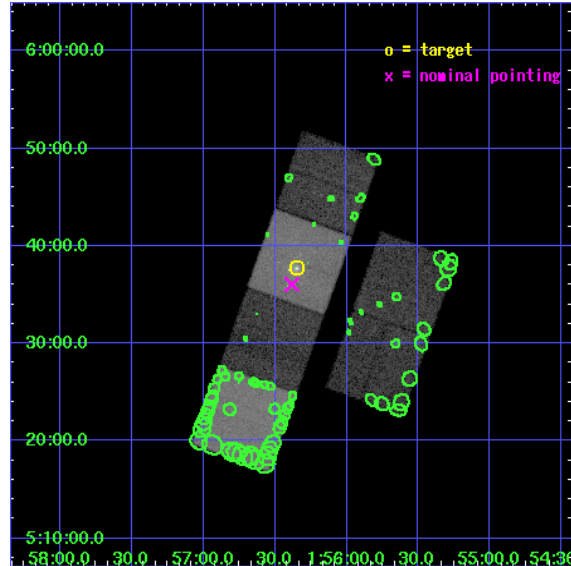
L2 Processing Date : Nov 4 2006

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# 1 Front

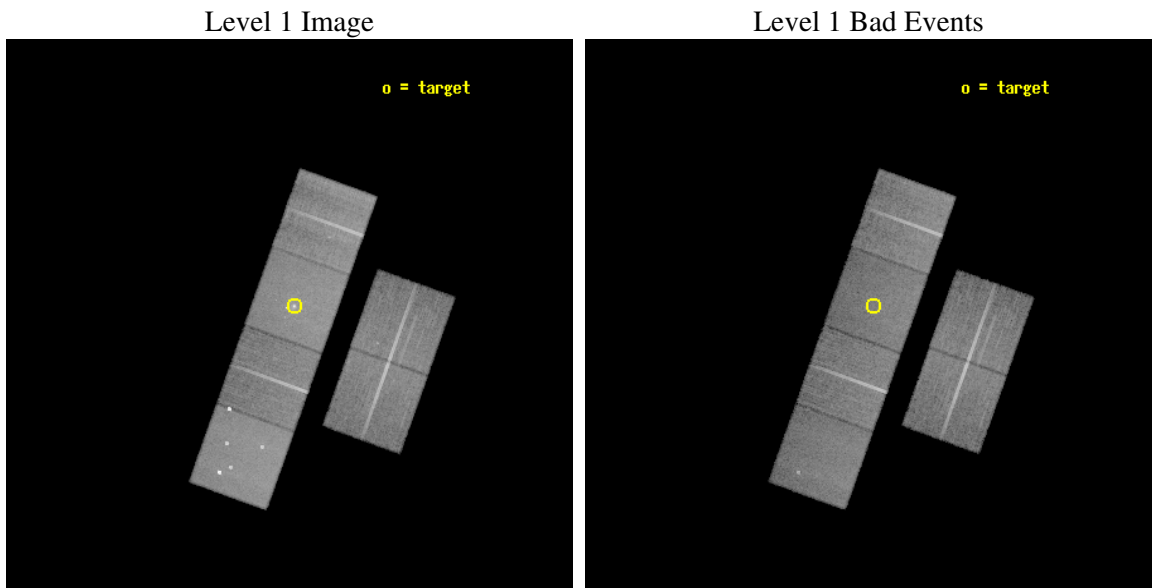
seq_num	800162
obs_id	2223
title	THE INTRAGROUP MEDIUM: DISTRIBUTION OF HEAVY ELEMENTS AND INTERACTION WITH RADIO JETS
observer	DR. JAN VRTILEK
object	NGC 741 GROUP
dtcycle	0
cycle	P
ra_targ	29.0875
dec_targ	5.628944
ra_nom	29.09565198244
dec_nom	5.6008621587116
roll_nom	289.69569427549
revision	2
ontime	30735.959068373
livetime	30346.761847676
ontime2	30735.959078372
ontime3	30735.959068373
ontime5	30739.200028628
ontime6	30739.200028628
ontime7	30735.959068373
ontime8	30732.718108132
l2events	283893



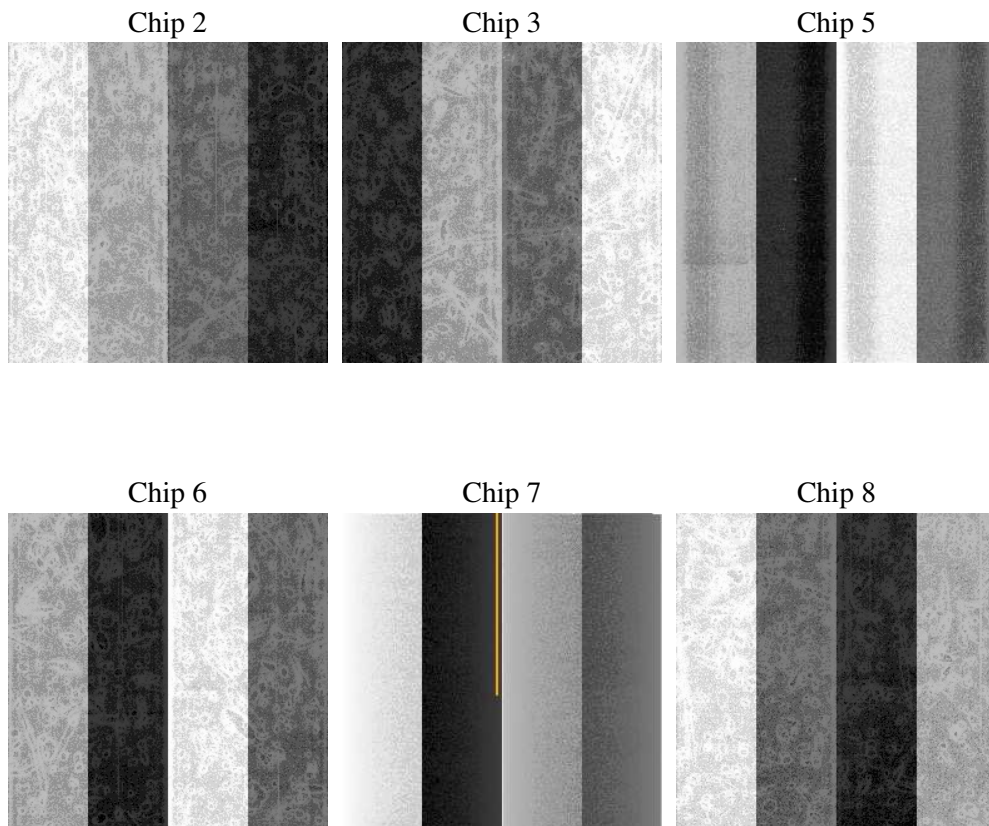
## 2 OBI

### 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	2006-11-04T11:29:02
revision	2

sched_exp_time	31000.000000
ontime	30740.860542864
ontime2	30740.860582784
ontime3	30740.860572785
ontime5	30744.101503119
ontime6	30744.101503119
ontime7	30740.860542864
ontime8	30737.619472936
l1events	1304651

### 2.1.4 Events

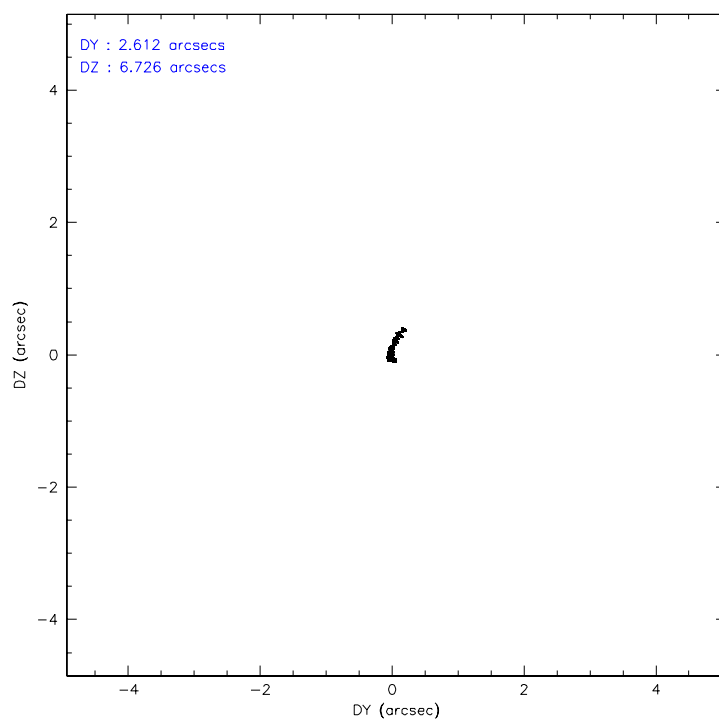
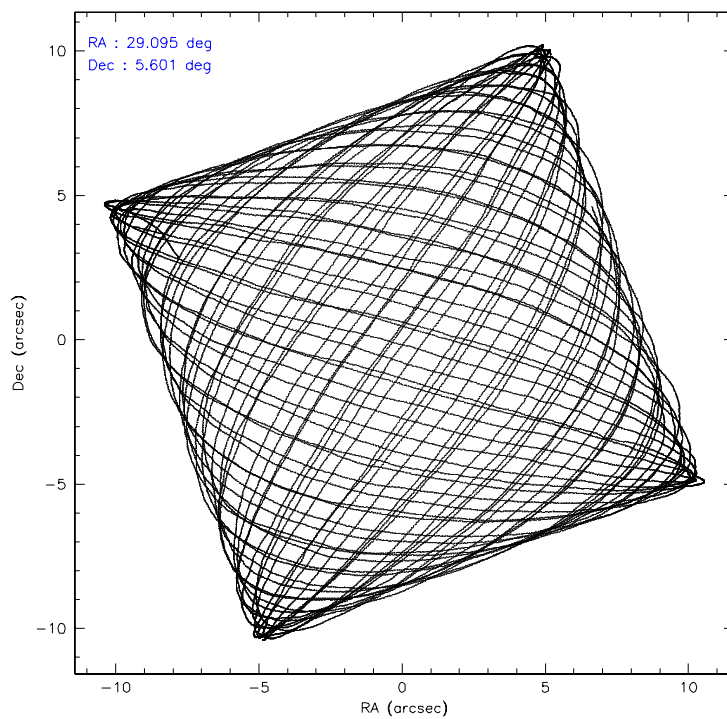
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	183184	181678	265218	187619	245074	241878
rejected events	161037	159991	142401	164400	143289	187928
rejected %	87%	88%	53%	87%	58%	77%

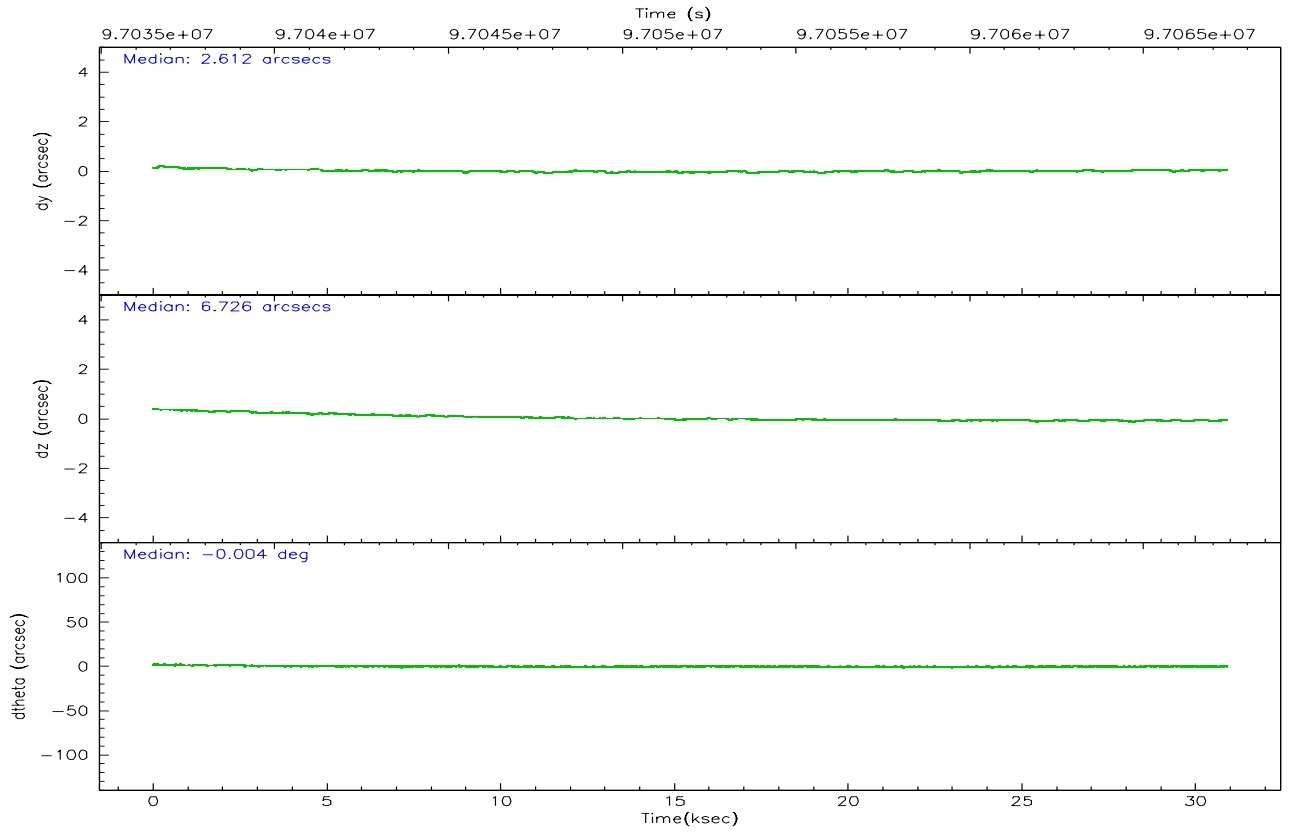
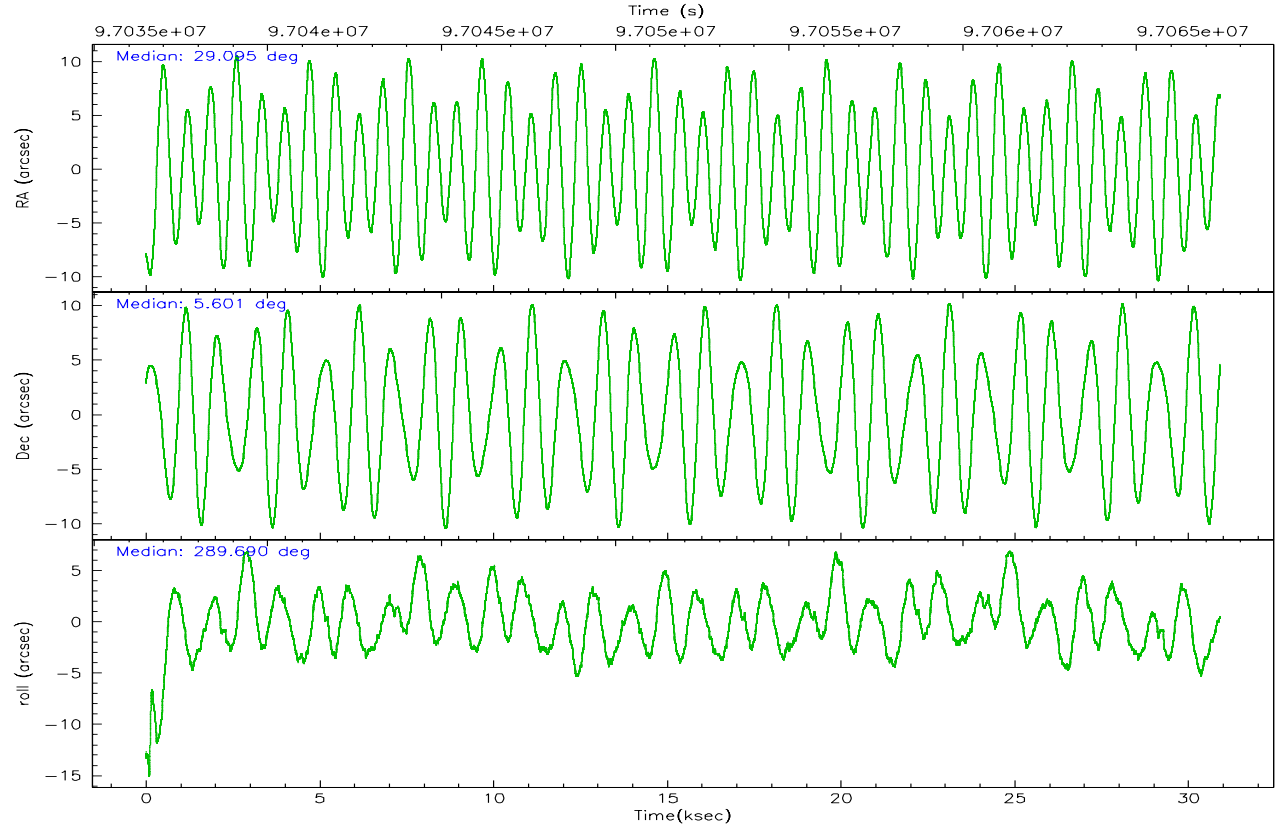
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9749	9661	20444	10010	9615	18183
	5%	5%	7%	5%	3%	7%
grade 1 events	80	80	723	78	132	165
	0%	0%	0%	0%	0%	0%
grade 2 events	4828	4264	34320	4706	25350	10509
	2%	2%	12%	2%	10%	4%
grade 3 events	1967	1936	2886	2139	6368	6300
	1%	1%	1%	1%	2%	2%
grade 4 events	1899	2009	2492	2147	6107	5794
	1%	1%	0%	1%	2%	2%
grade 5 events	6328	6870	12356	7584	15771	9788
	3%	3%	4%	4%	6%	4%
grade 6 events	3705	3821	62685	4220	54353	13167
	2%	2%	23%	2%	22%	5%
grade 7 events	154628	153037	129312	156735	127378	177972
	84%	84%	48%	83%	51%	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	29.074570	29.09565198243988	Subarray requested	NONE	NONE
Pointing Dec	5.618359	5.600862158711559	Alternating exposures requested	N	N
Pointing Roll	289.541132	289.695694275493	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	97036406.184000	97036123.50368799			
Observation start date	2001-01-28T02:32:22	2001-01-28T02:28:43			
Observation end time	97067406.184000	97067968.204914			
Observation end date	2001-01-28T11:09:02	2001-01-28T11:19:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





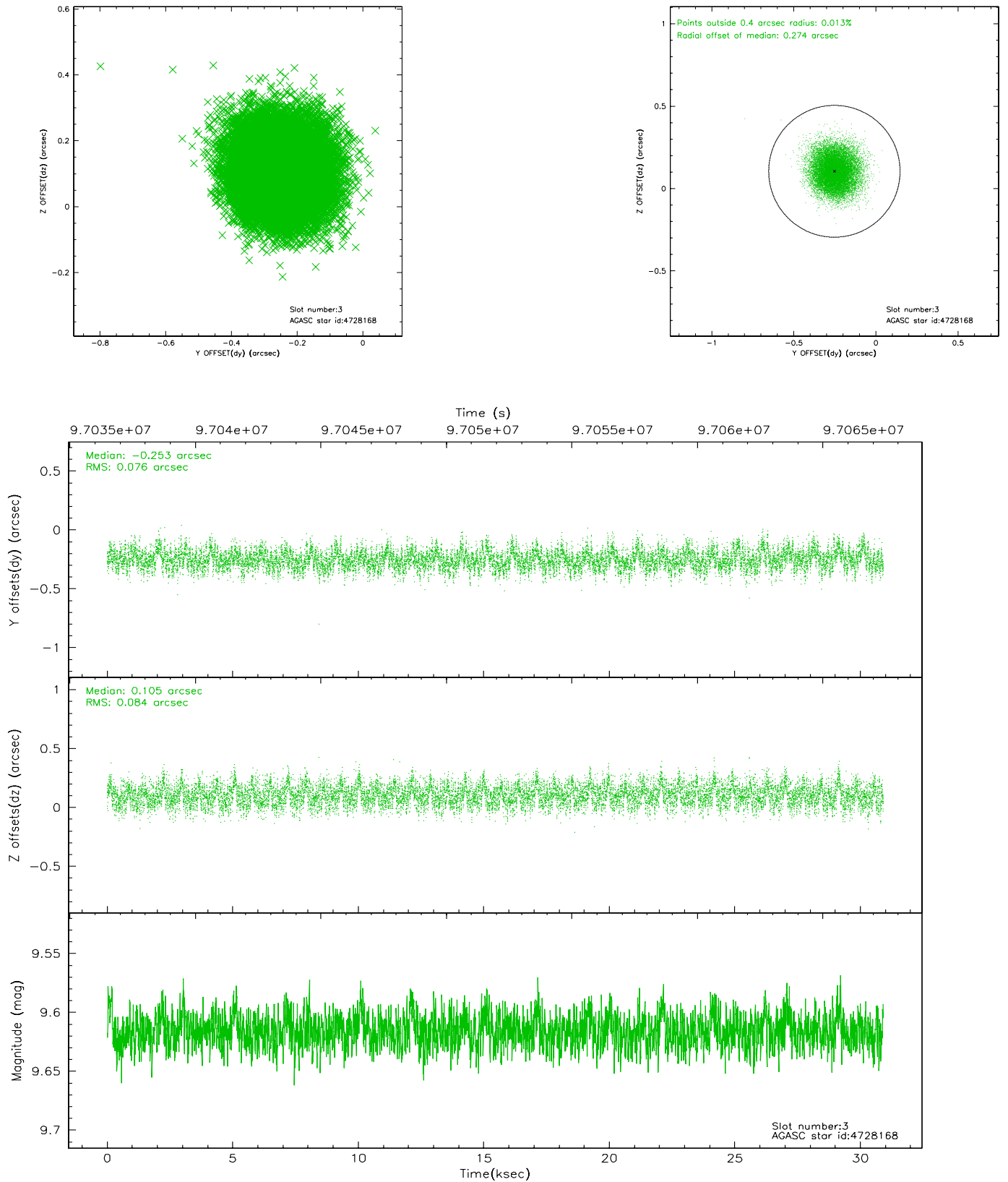
### Slot Statistics

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	7538	-0.007	0.023	0.012	0.025	0.000000	0.000000	-755.25	-1727.86
1	FID	ACIS-S-4	7.20	7539	-0.076	-0.002	0.014	0.035	0.000000	0.000000	2157.91	180.54
2	FID	ACIS-S-5	7.24	7539	0.054	-0.013	0.011	0.022	0.000000	0.000000	-1807.95	174.26
3	GUIDE	4728168	9.62	15069	-0.253	0.105	0.123	0.191	29.225062	6.350389	-2303.15	1389.35
4	GUIDE	4725512	10.14	15063	-0.032	-0.119	0.145	0.248	29.065751	5.887059	-921.63	294.16
5	GUIDE	4724152	10.66	15070	0.021	-0.129	0.187	0.301	28.780262	5.692828	-604.76	-903.50
6	GUIDE	4728496	10.02	15064	0.012	-0.017	0.135	0.242	29.187065	5.994615	-1141.18	832.94
7	GUIDE	4726352	10.91	14987	0.241	0.156	0.175	0.280	29.848789	5.400599	1665.97	2354.30

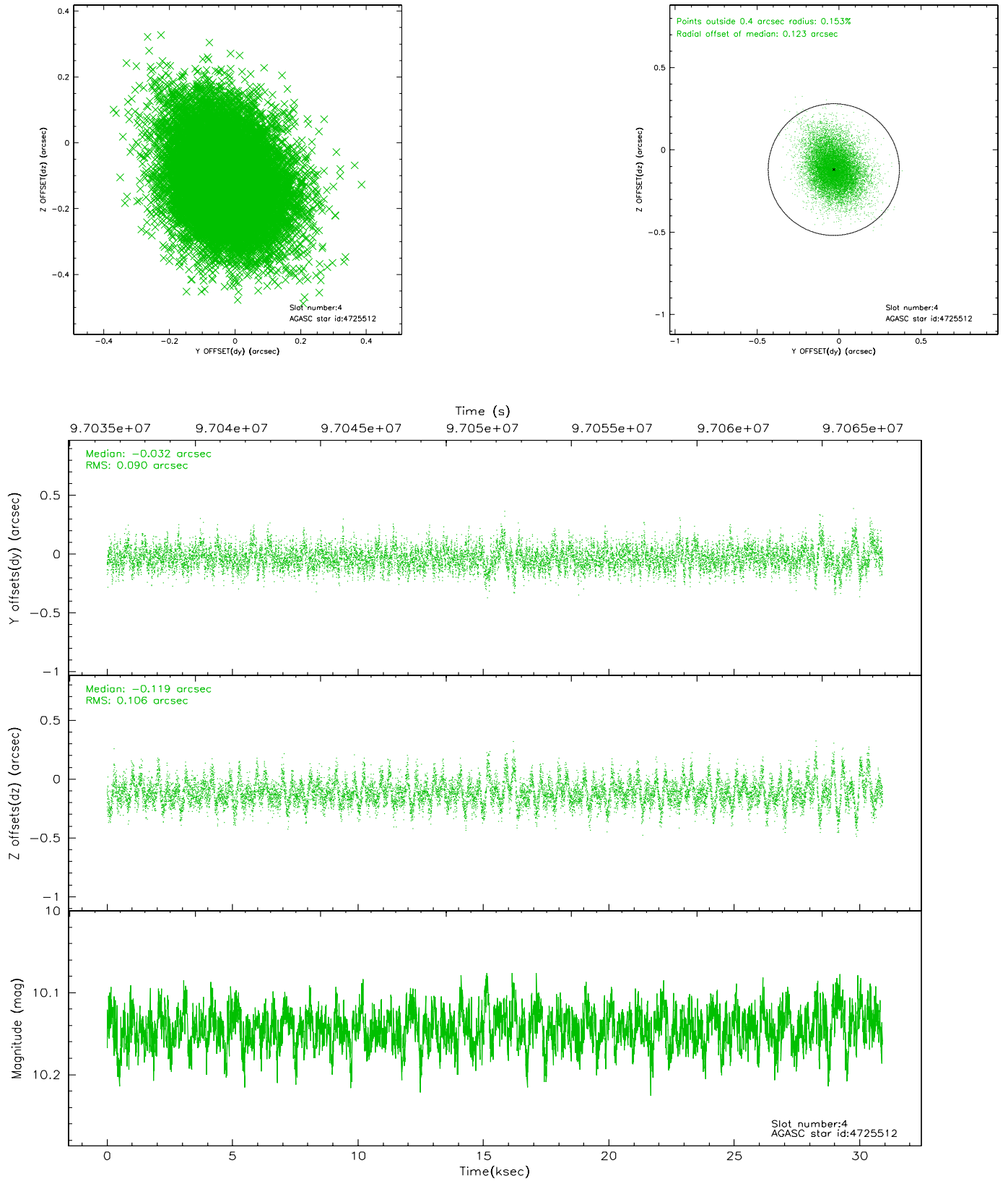


## 2.4 Star Slots

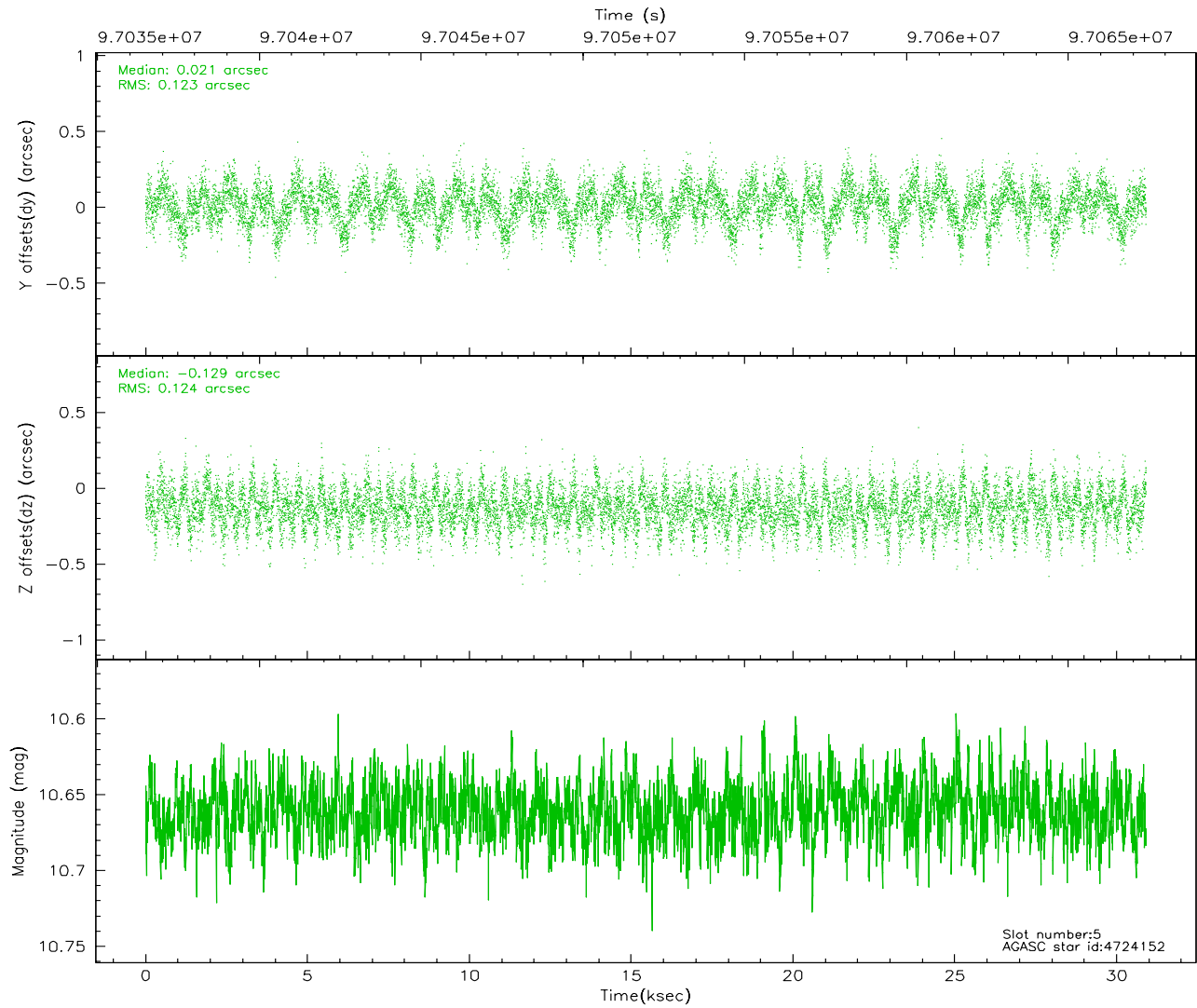
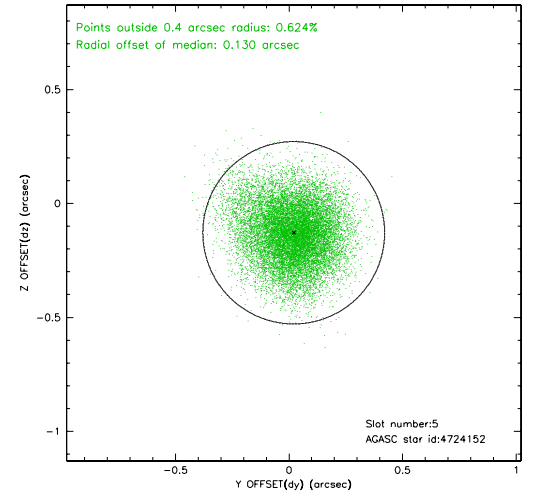
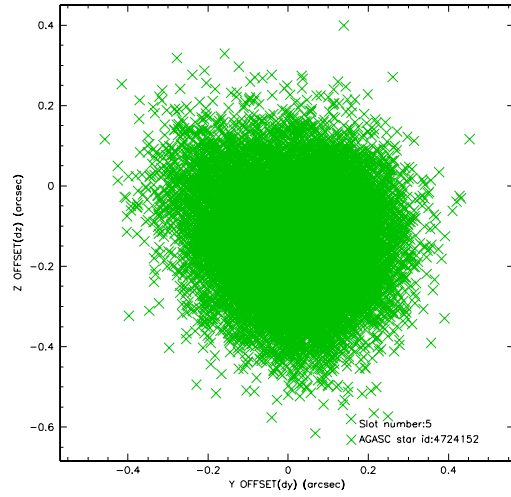
### 2.4.1 Slot 3



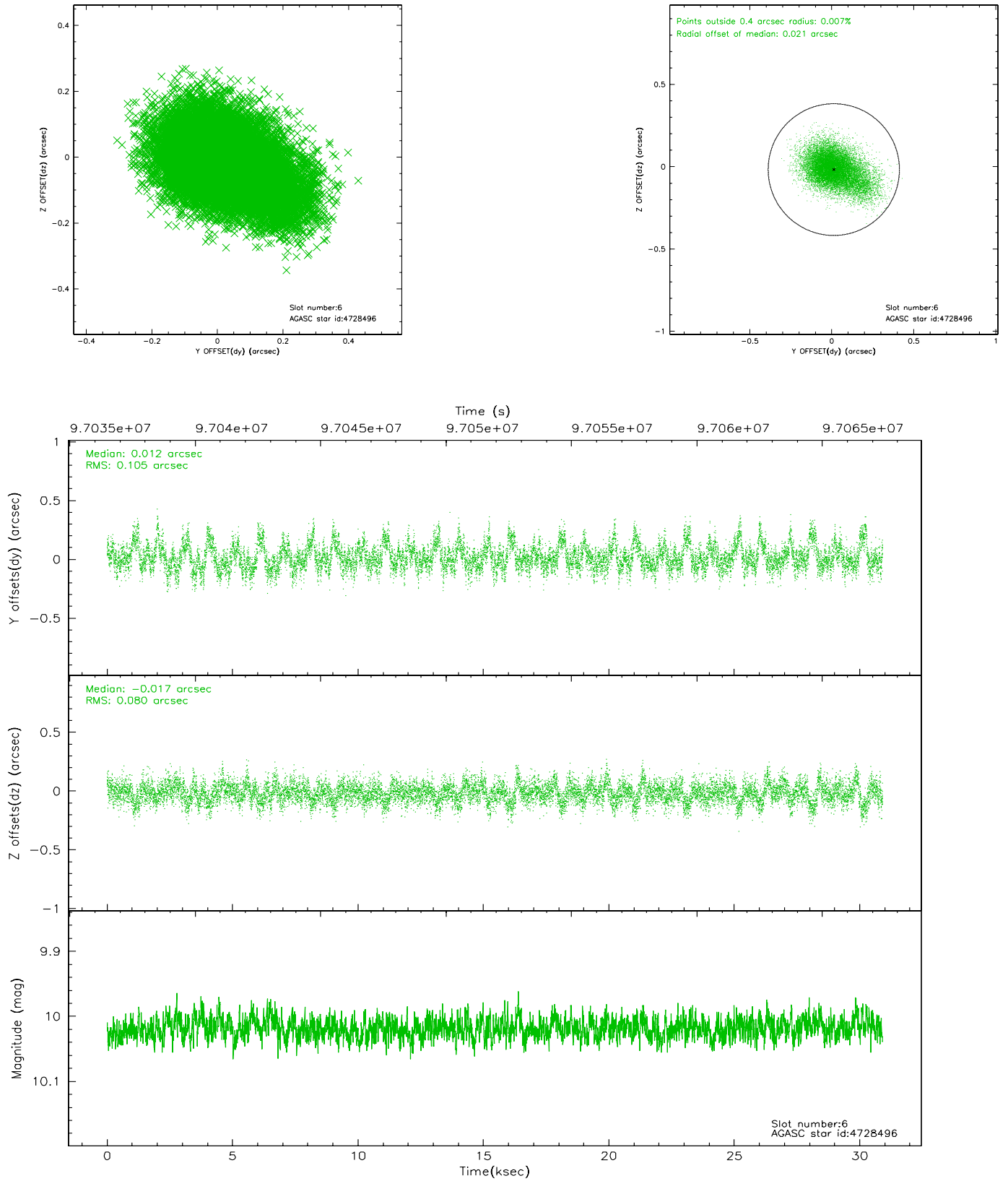
## 2.4.2 Slot 4



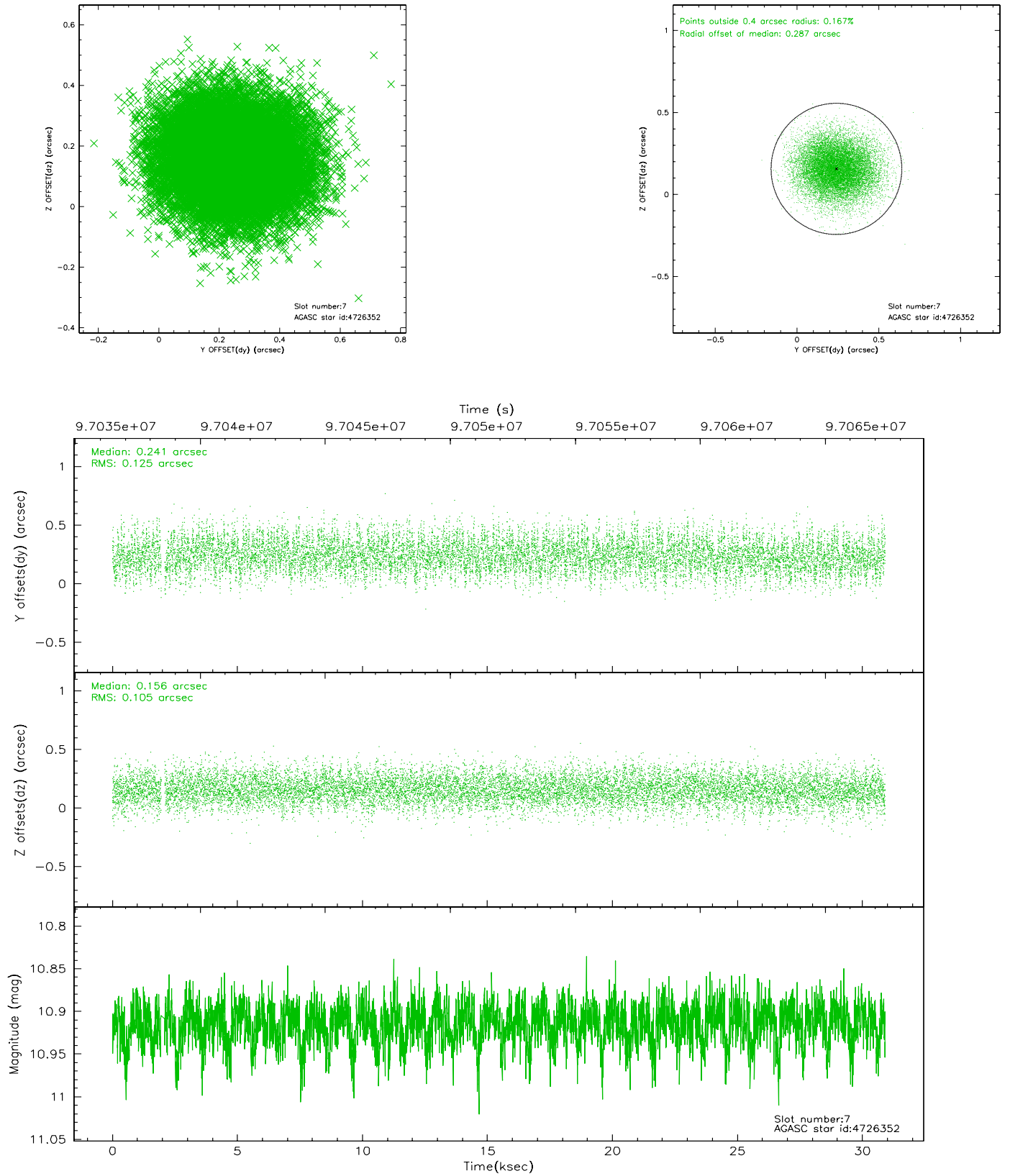
### 2.4.3 Slot 5



## 2.4.4 Slot 6

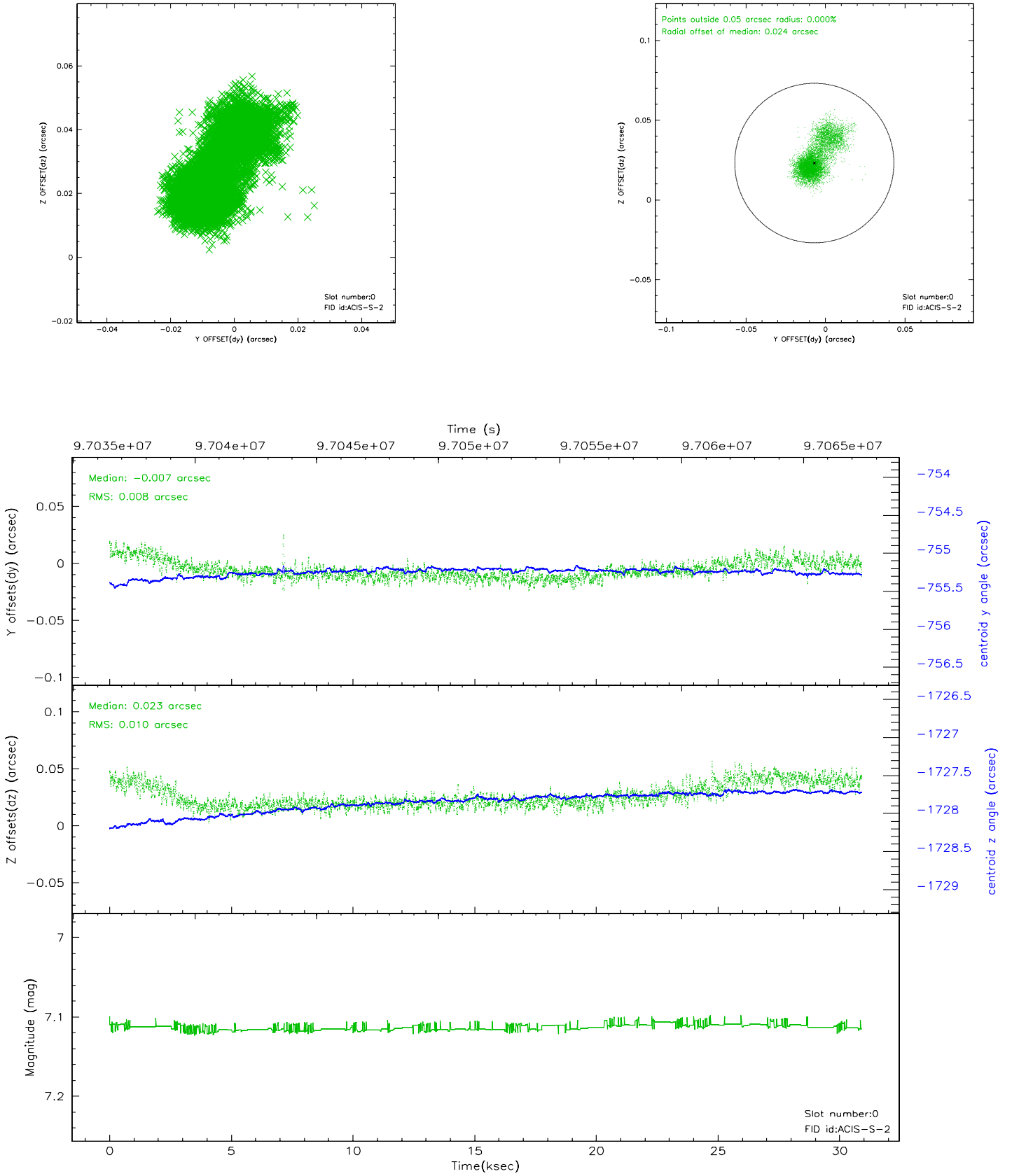


## 2.4.5 Slot 7

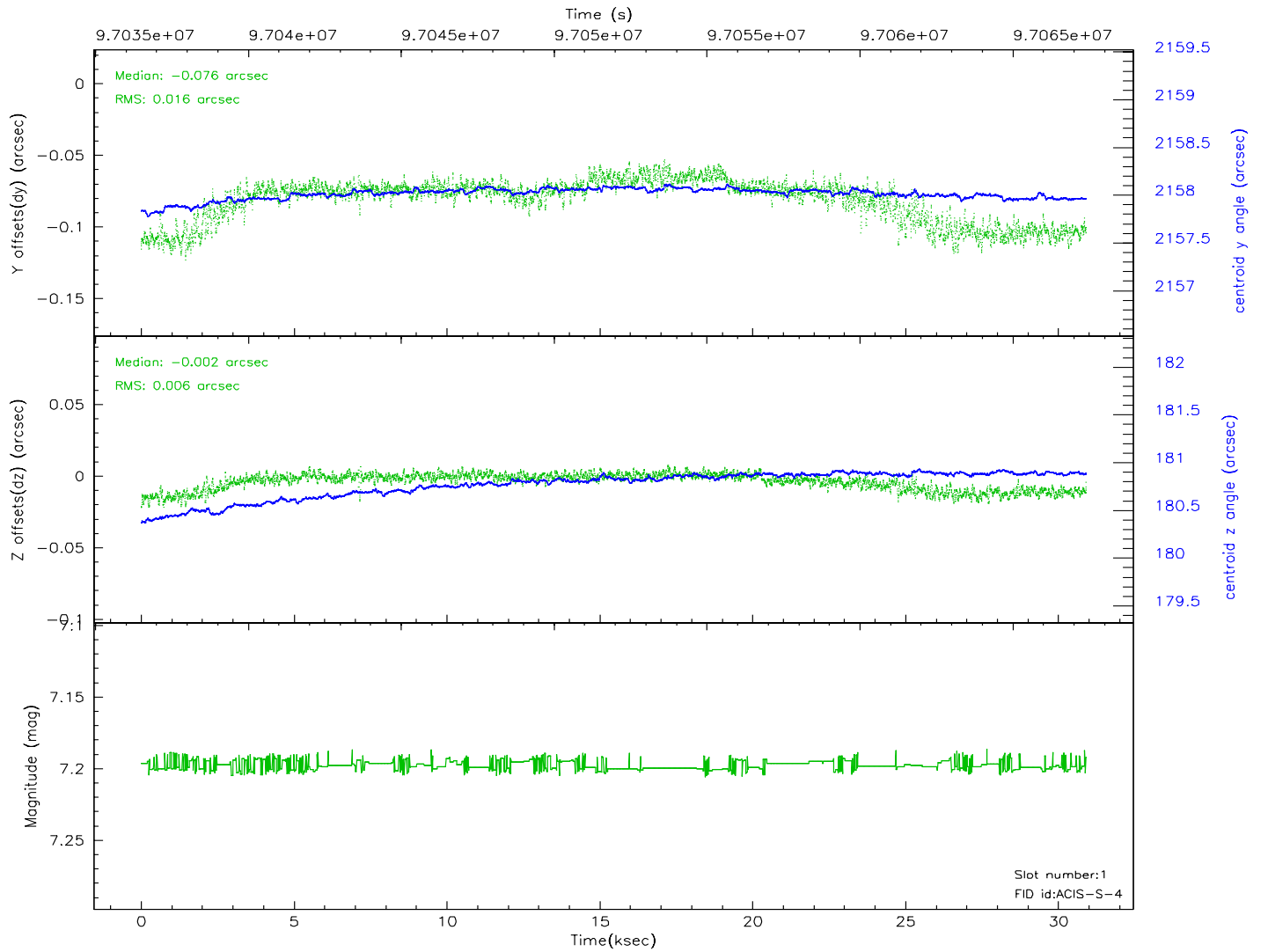
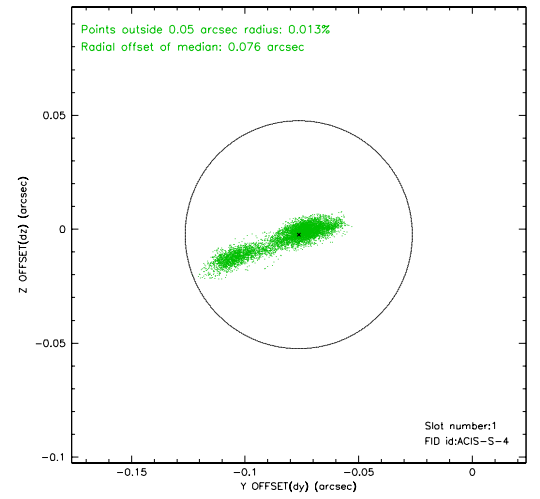
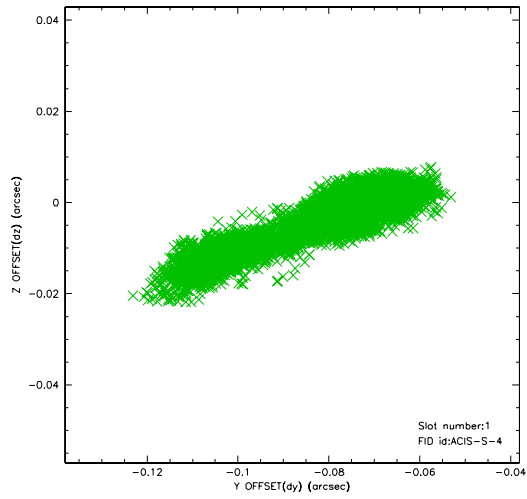


## 2.5 FID Slots

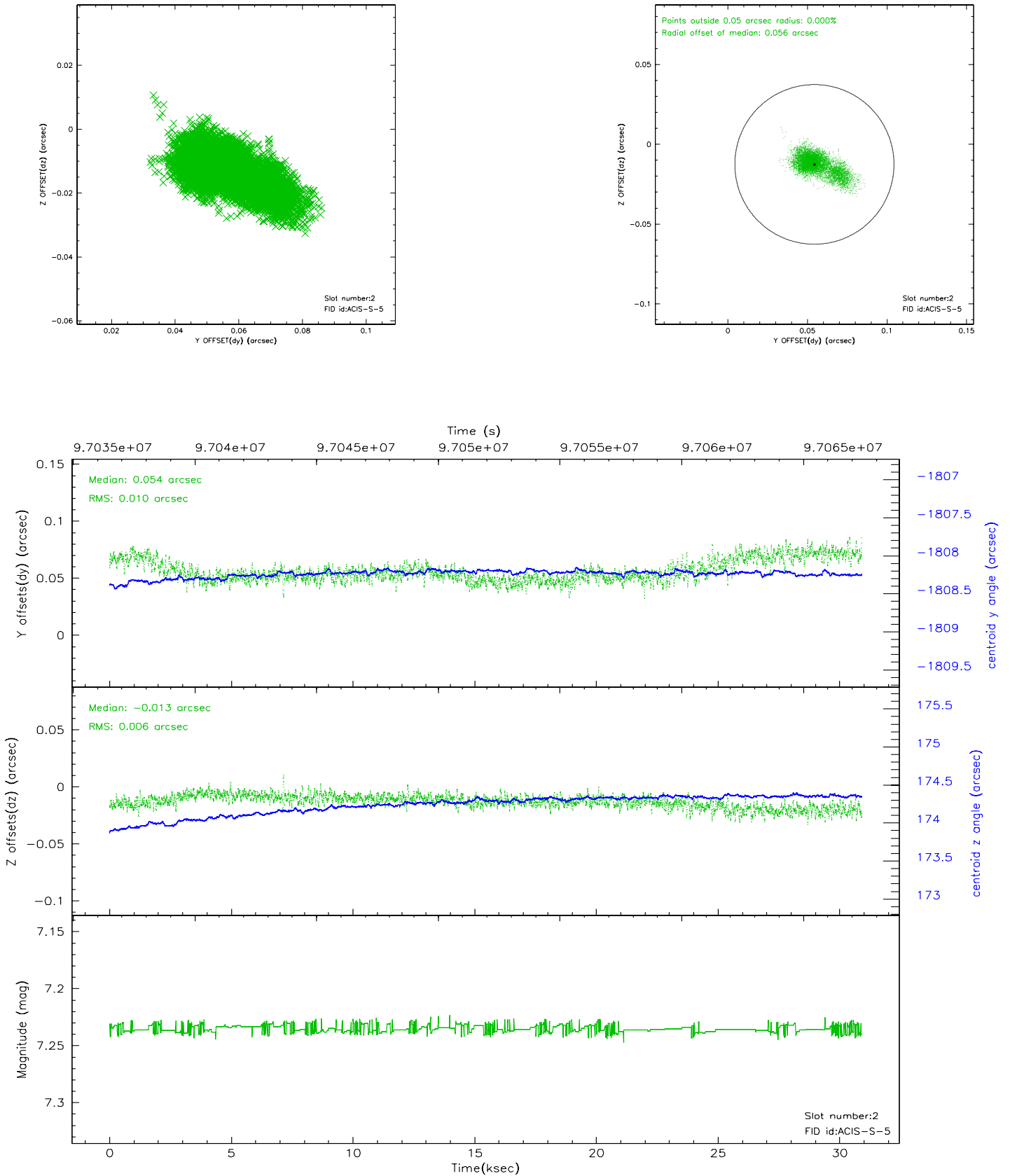
### 2.5.1 Slot 0



## 2.5.2 Slot 1

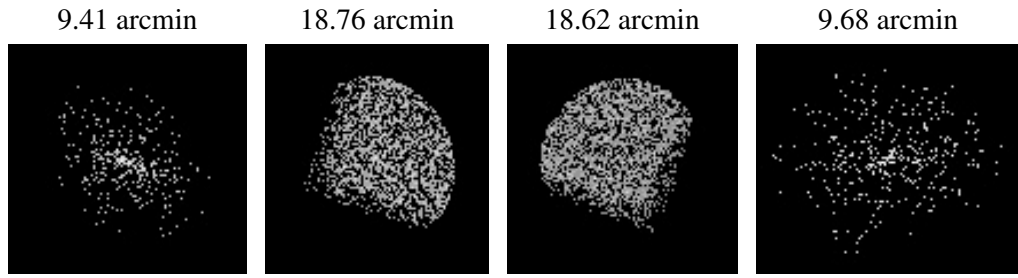


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.736

### A.2 Comments