

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3291 - L2 Version 001  
Chandra X-Ray Center

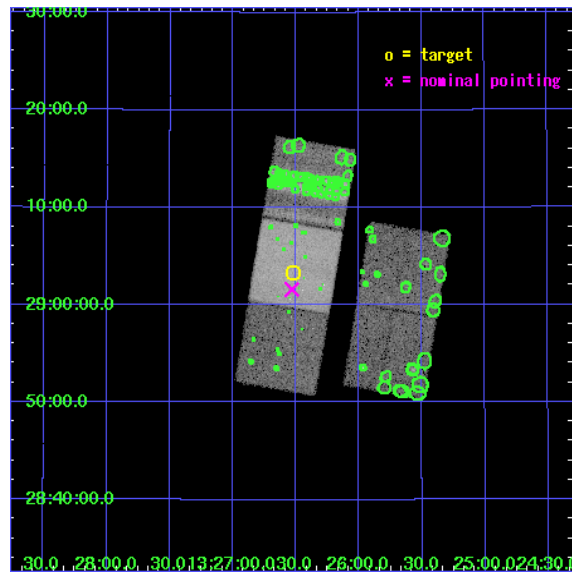
L2 Processing Date : Sep 28 2006

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# 1 Front

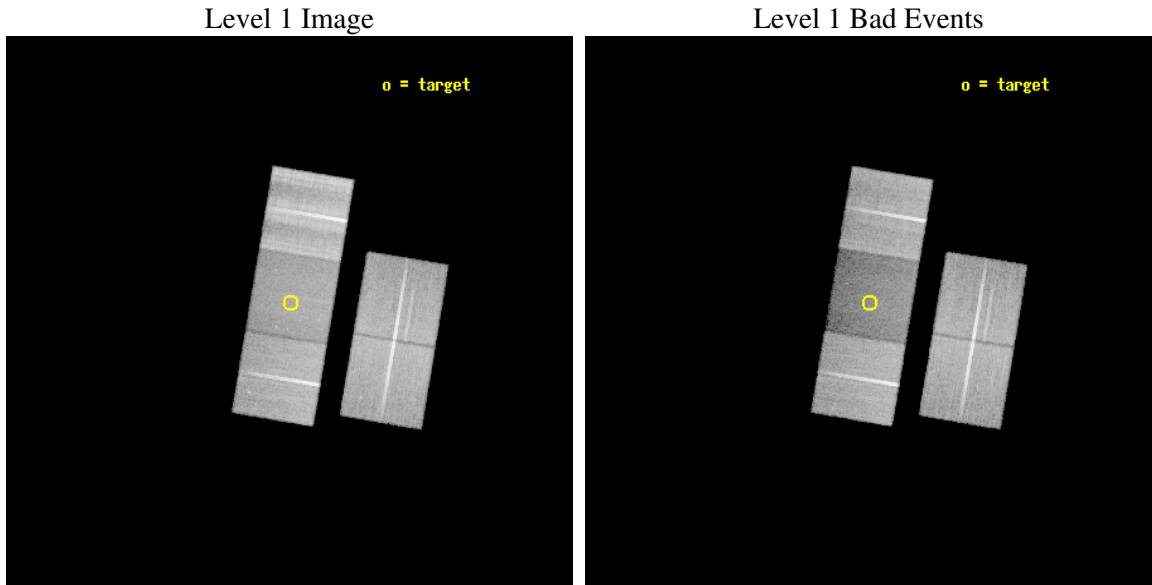
seq_num	800291
obs_id	3291
title	MAPPING DARK MATTER IN A COLLING FLOW CLUSTER AND A DARK CLUMP
observer	Professor Gordon Garmire
object	RCS1325+2858
dtcycle	0
cycle	P
ra_targ	201.629458
dec_targ	29.0555
ra_nom	201.63300425153
dec_nom	29.026566129116
roll_nom	279.58490742014
revision	2
ontime	31316.199939787
livetime	30907.030732923
ontime2	31313.05894962
ontime3	31313.058979541
ontime6	31313.059089214
ontime7	31316.199939787
ontime8	31313.058949649
l2events	155005



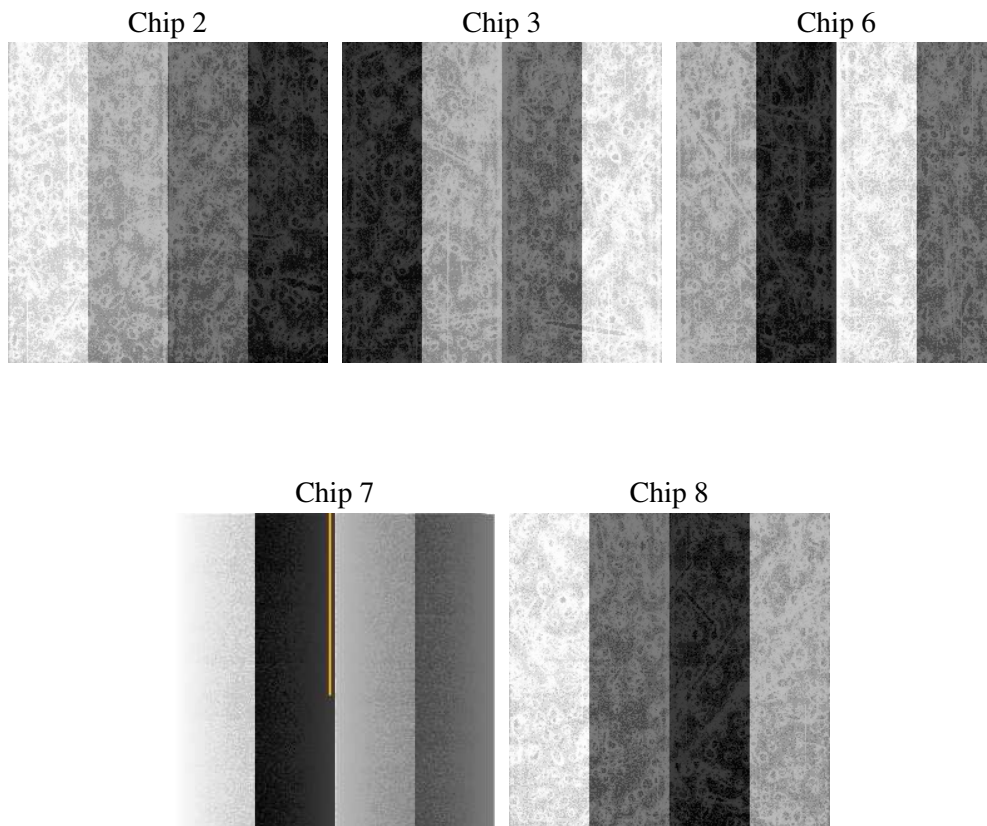
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-28T19:43:25
revision	2

sched_exp_time	31217.667000
ontime	31318.905241758
ontime2	31315.76425159
ontime3	31315.764281511
ontime6	31315.764391184
ontime7	31318.905241758
ontime8	31315.76425162
l1events	1075126

### 2.1.4 Events

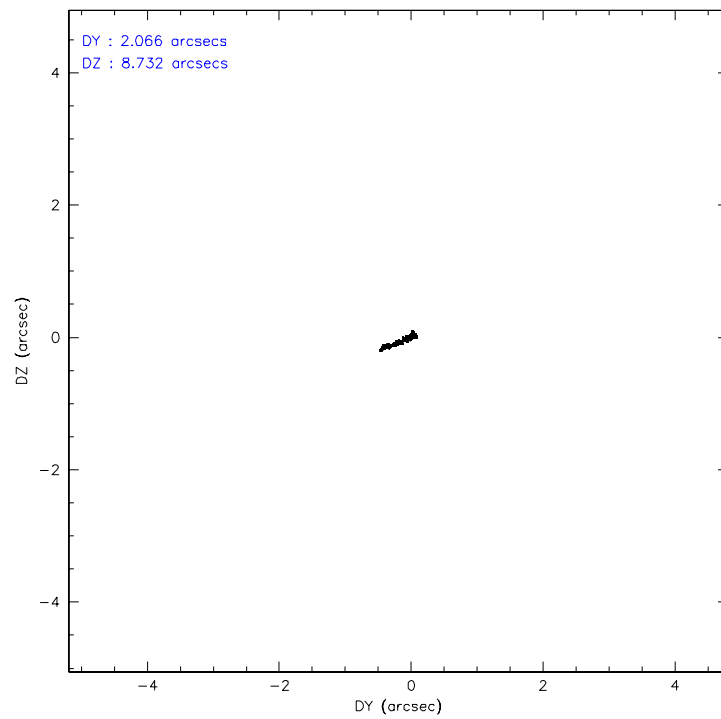
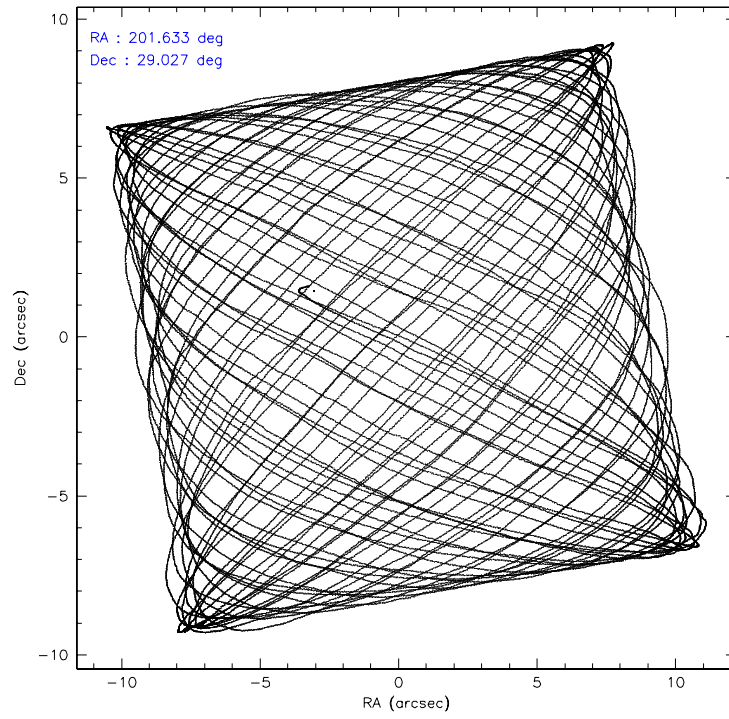
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	216811	203755	212746	152260	289554
rejected events	196121	185983	191306	75152	189293
rejected %	90%	91%	89%	49%	65%

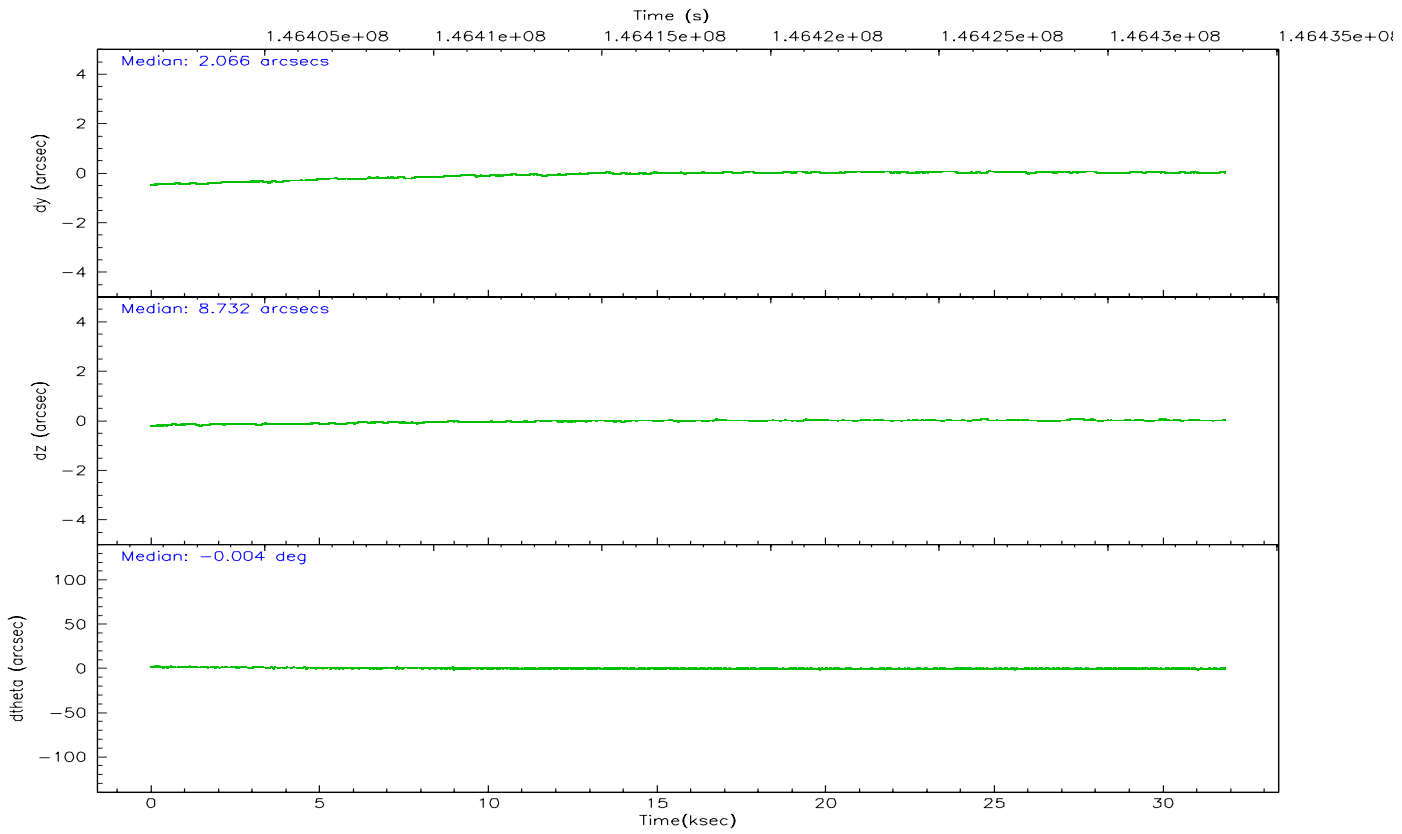
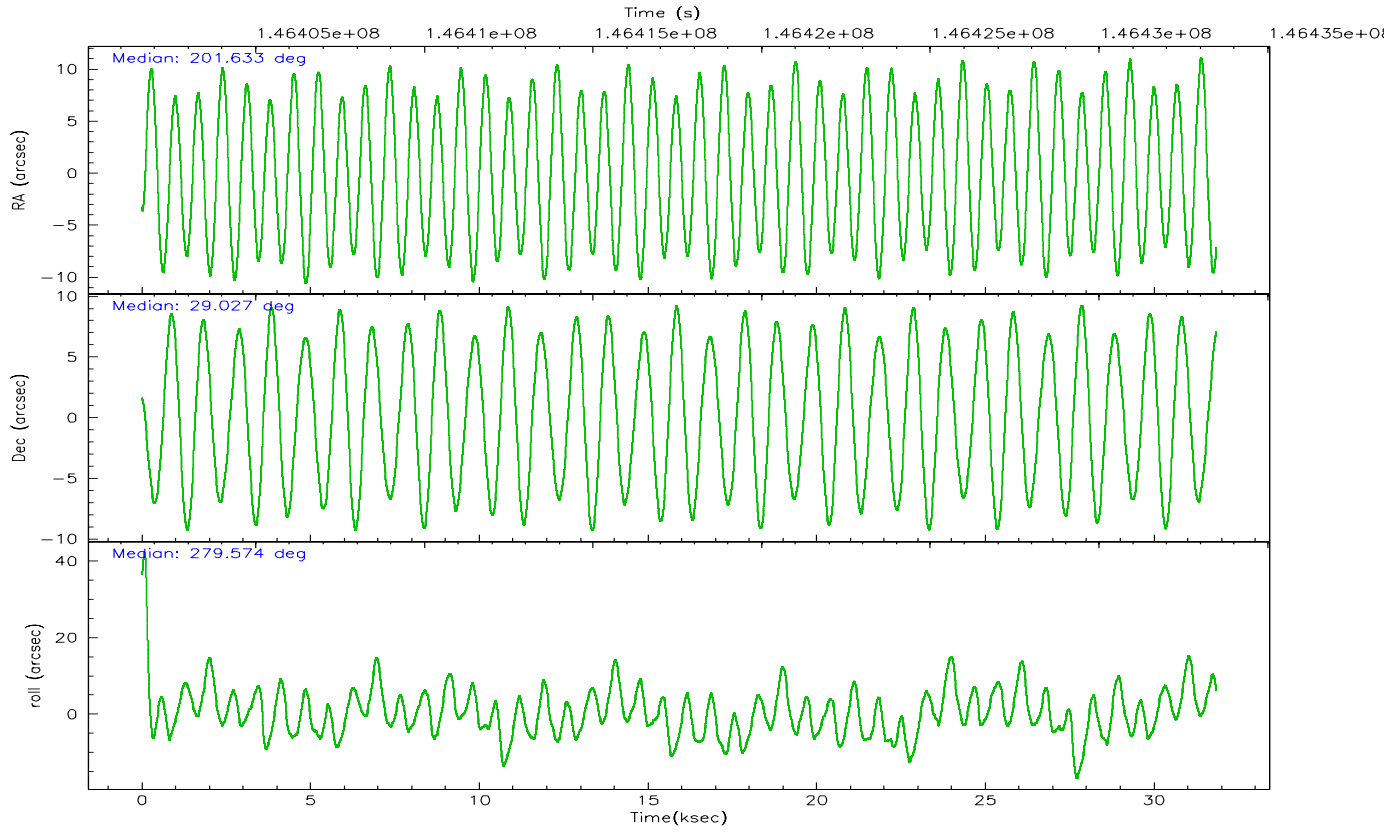
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8904	7397	9091	6206	30357
	4%	3%	4%	4%	10%
grade 1 events	105	101	98	116	247
	0%	0%	0%	0%	0%
grade 2 events	4620	3483	4461	20281	18280
	2%	1%	2%	13%	6%
grade 3 events	2001	2018	2147	5322	14589
	0%	0%	1%	3%	5%
grade 4 events	2189	1897	2115	5194	13028
	1%	0%	0%	3%	4%
grade 5 events	3846	4667	4824	11352	7879
	1%	2%	2%	7%	2%
grade 6 events	2977	2979	3627	40111	24010
	1%	1%	1%	26%	8%
grade 7 events	192169	181213	186383	63678	181164
	88%	88%	87%	41%	62%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	201.612845	201.6330042515253	Subarray requested	NONE	NONE
Pointing Dec	29.047343	29.02656612911578	Alternating exposures requested	N	N
Pointing Roll	279.438068	279.5849074201442	Primary exposure time	0.000000	3.1
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	146402258.184000	146401076.15784			
Observation start date	2002-08-22T11:16:34	2002-08-22T10:57:56			
Observation end time	146433476.184000	146433790.57169			
Observation end date	2002-08-22T19:56:52	2002-08-22T20:03:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect



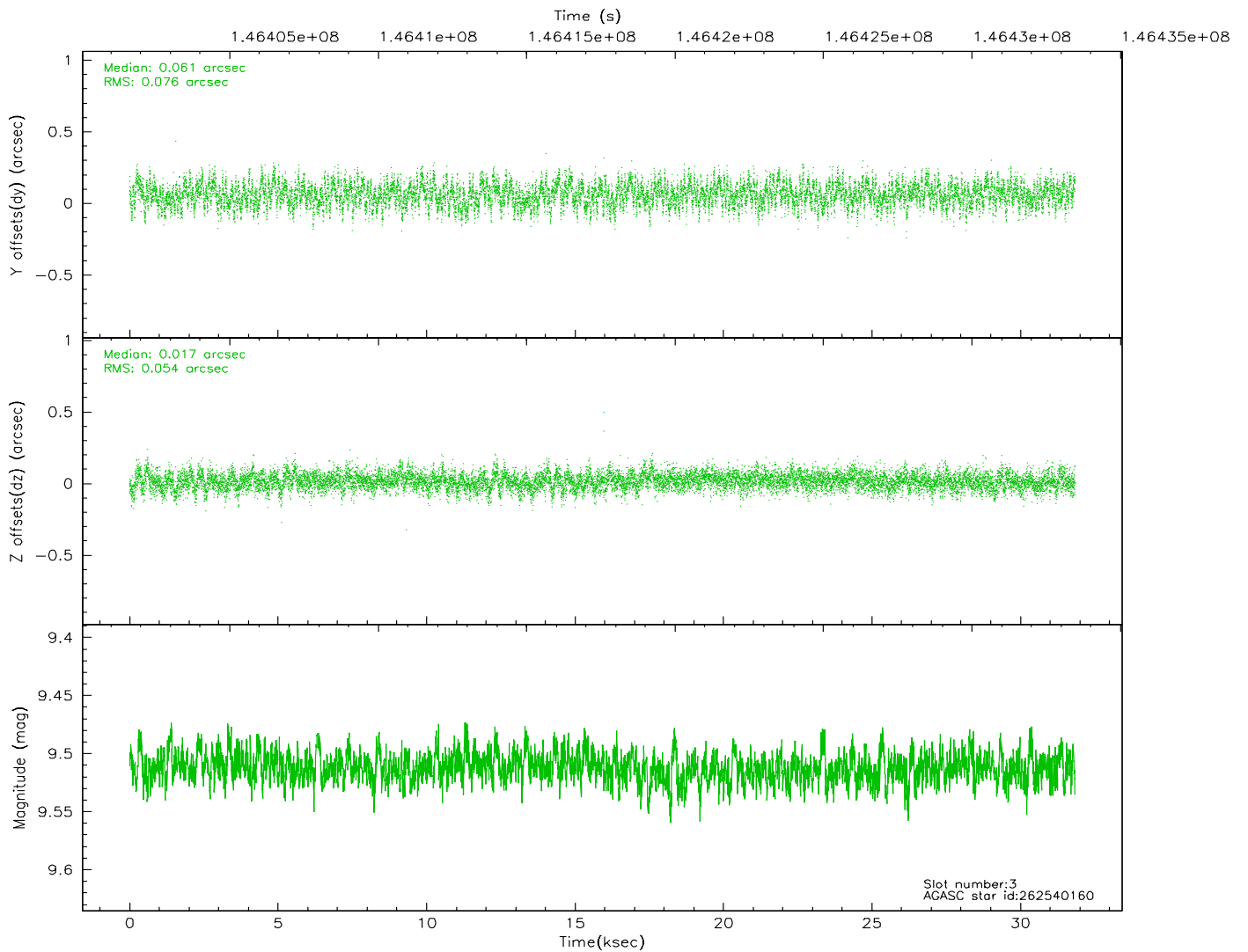
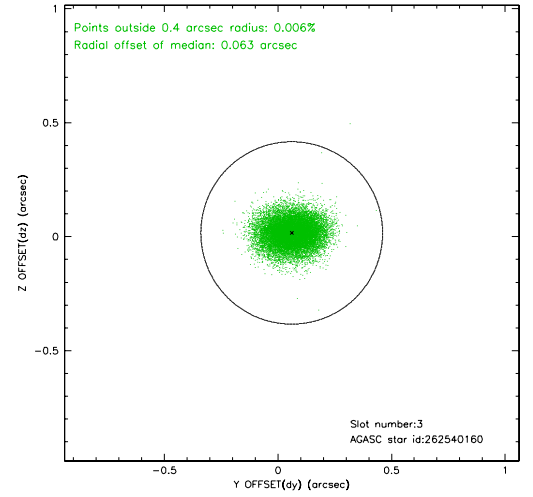
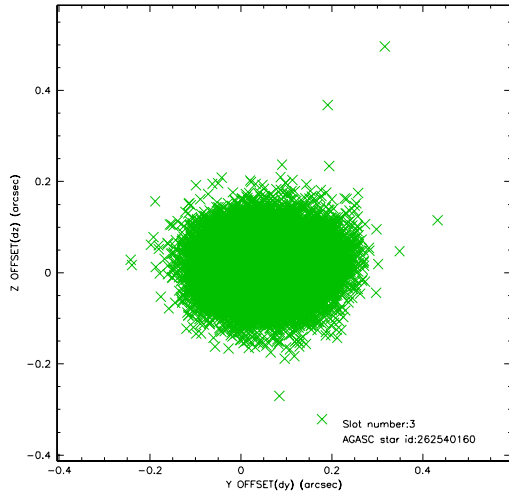


### Slot Statistics

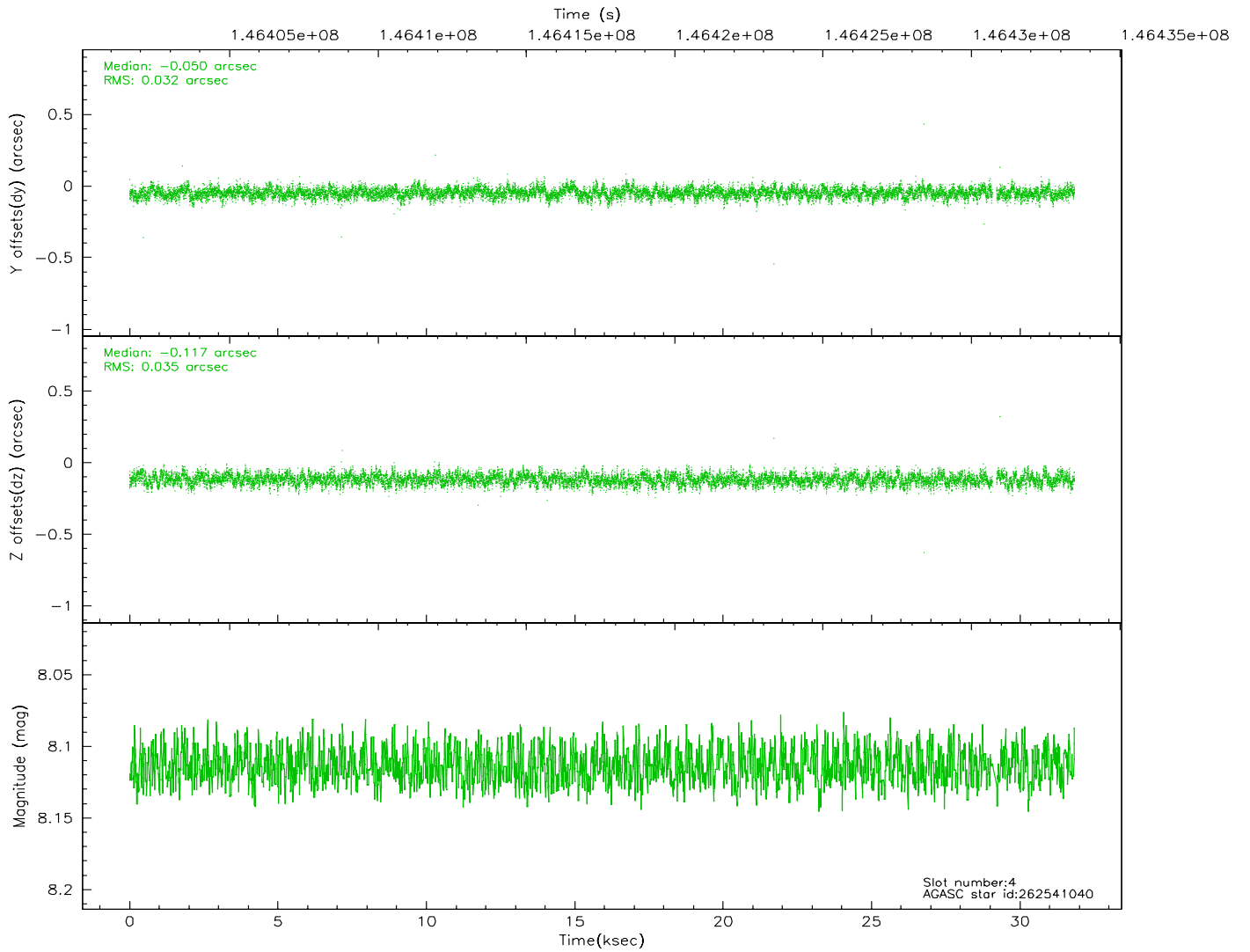
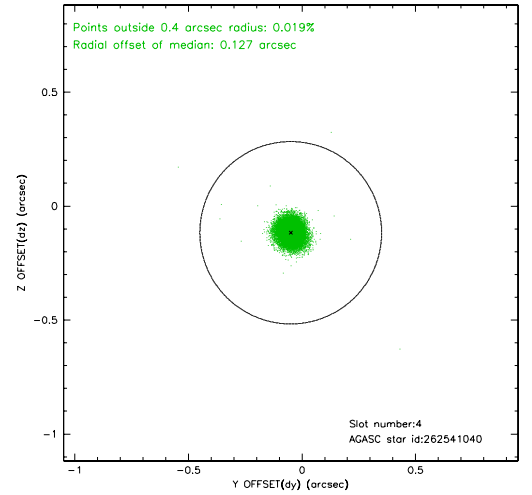
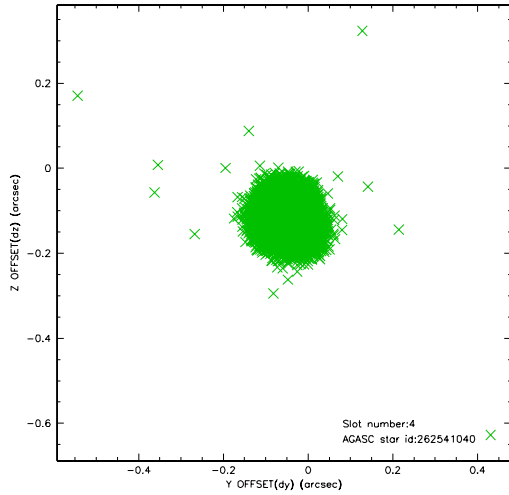
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7767	-0.018	0.012	0.006	0.011	0.000000	0.000000	-754.64	-1729.85
1	FID	ACIS-S-4	7.20	7767	-0.052	0.006	0.005	0.010	0.000000	0.000000	2158.59	178.55
2	FID	ACIS-S-5	7.23	7766	0.039	-0.009	0.006	0.011	0.000000	0.000000	-1807.33	172.30
3	GUIDE	262540160	9.51	15521	0.061	0.017	0.100	0.161	202.451747	28.646358	1849.81	2378.88
4	GUIDE	262541040	8.11	15461	-0.050	-0.117	0.050	0.080	201.795177	28.874292	709.08	464.17
5	GUIDE	262541520	9.89	15444	0.165	0.004	0.127	0.201	202.020350	28.446195	2345.02	917.58
6	GUIDE	262543840	10.22	15406	-0.095	-0.020	0.121	0.196	201.181001	29.472362	-1732.73	-1085.06
7	GUIDE	262545664	8.43	15529	-0.082	0.115	0.058	0.094	202.163719	28.448585	2408.82	1366.62

## 2.4 Star Slots

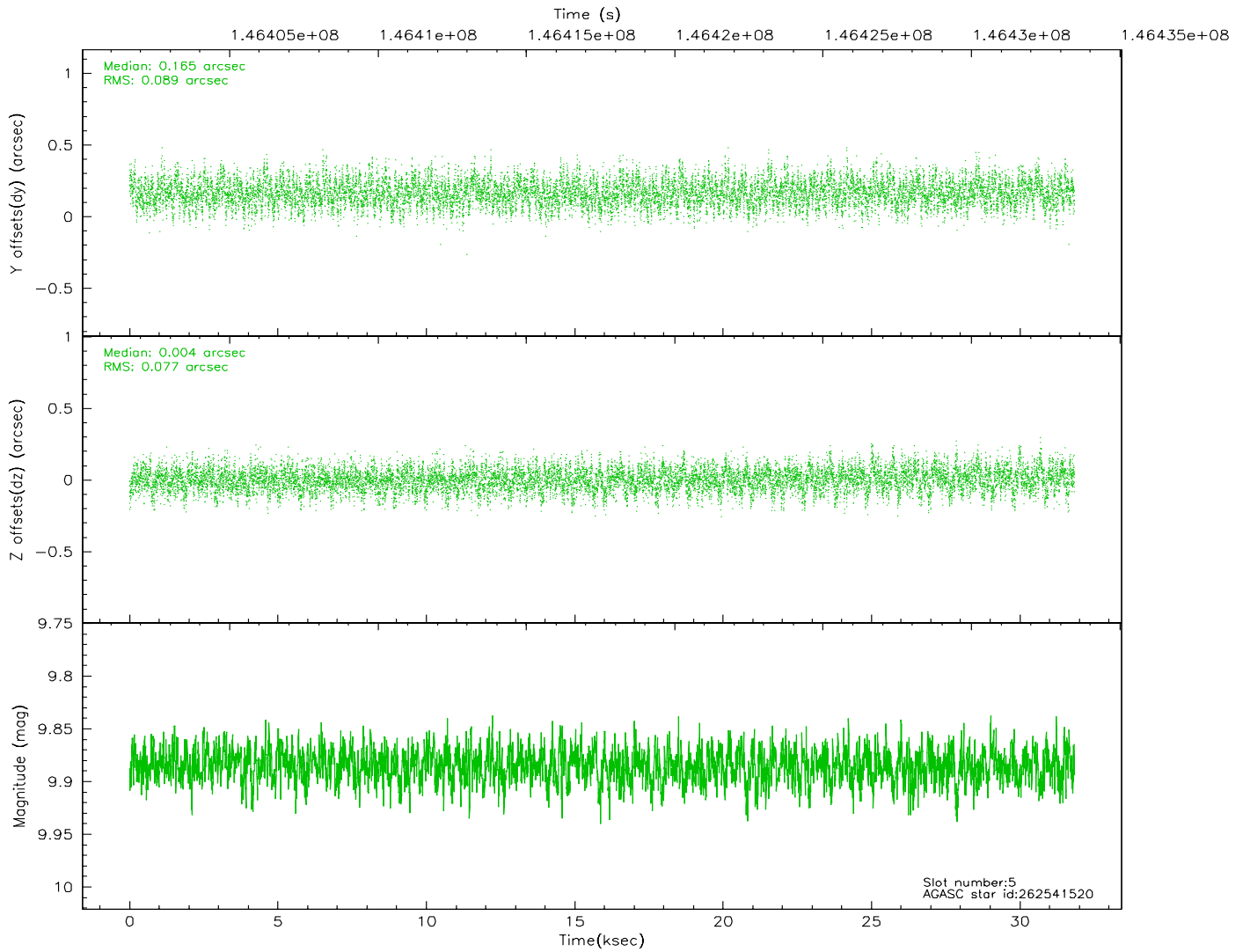
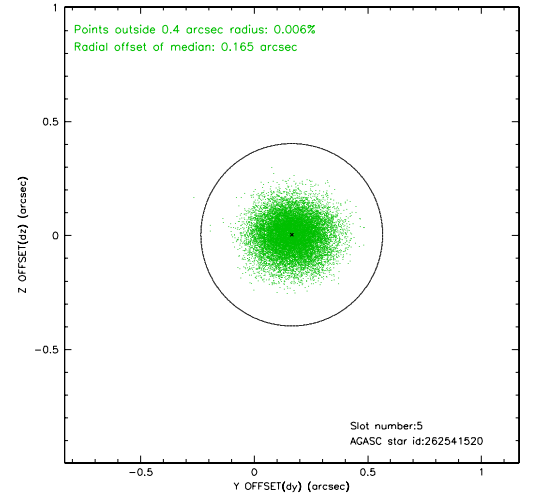
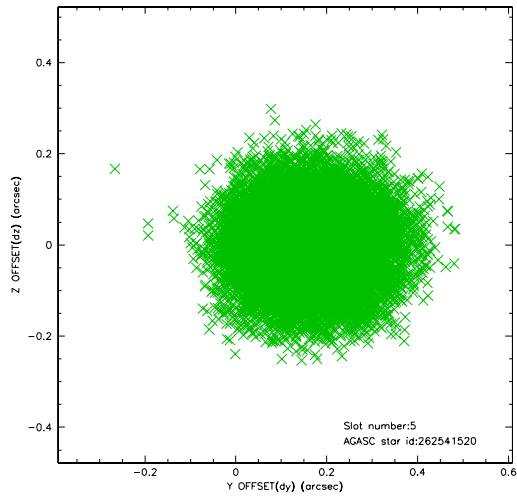
### 2.4.1 Slot 3



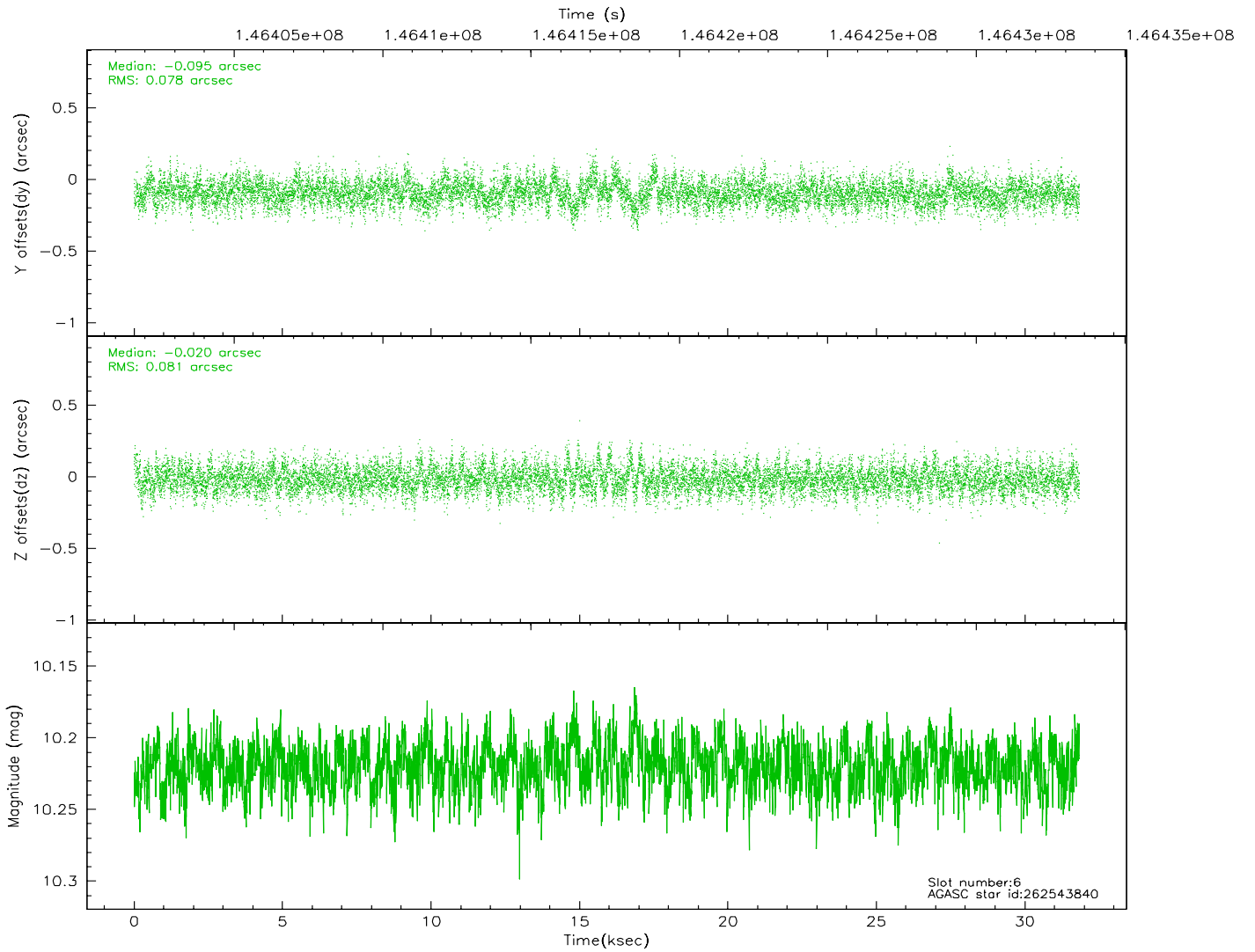
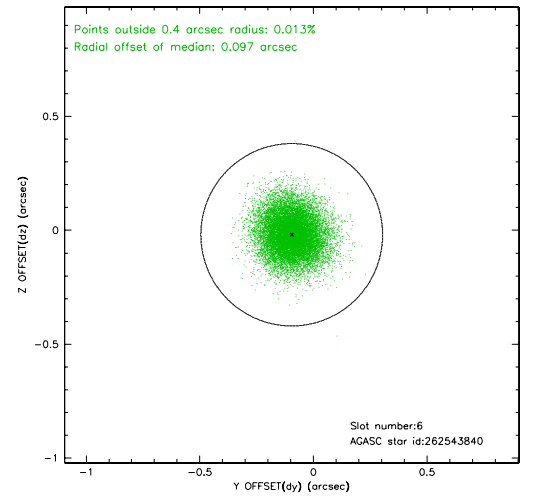
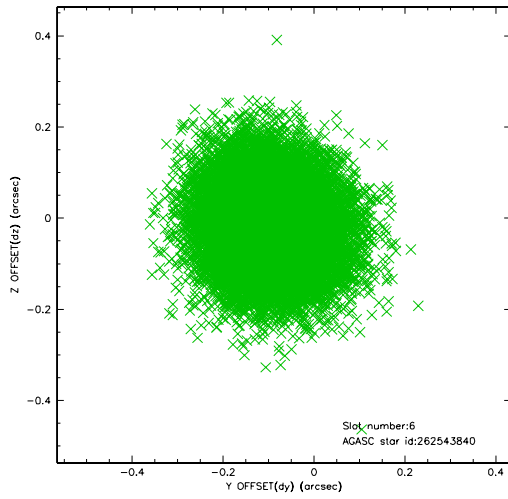
### 2.4.2 Slot 4



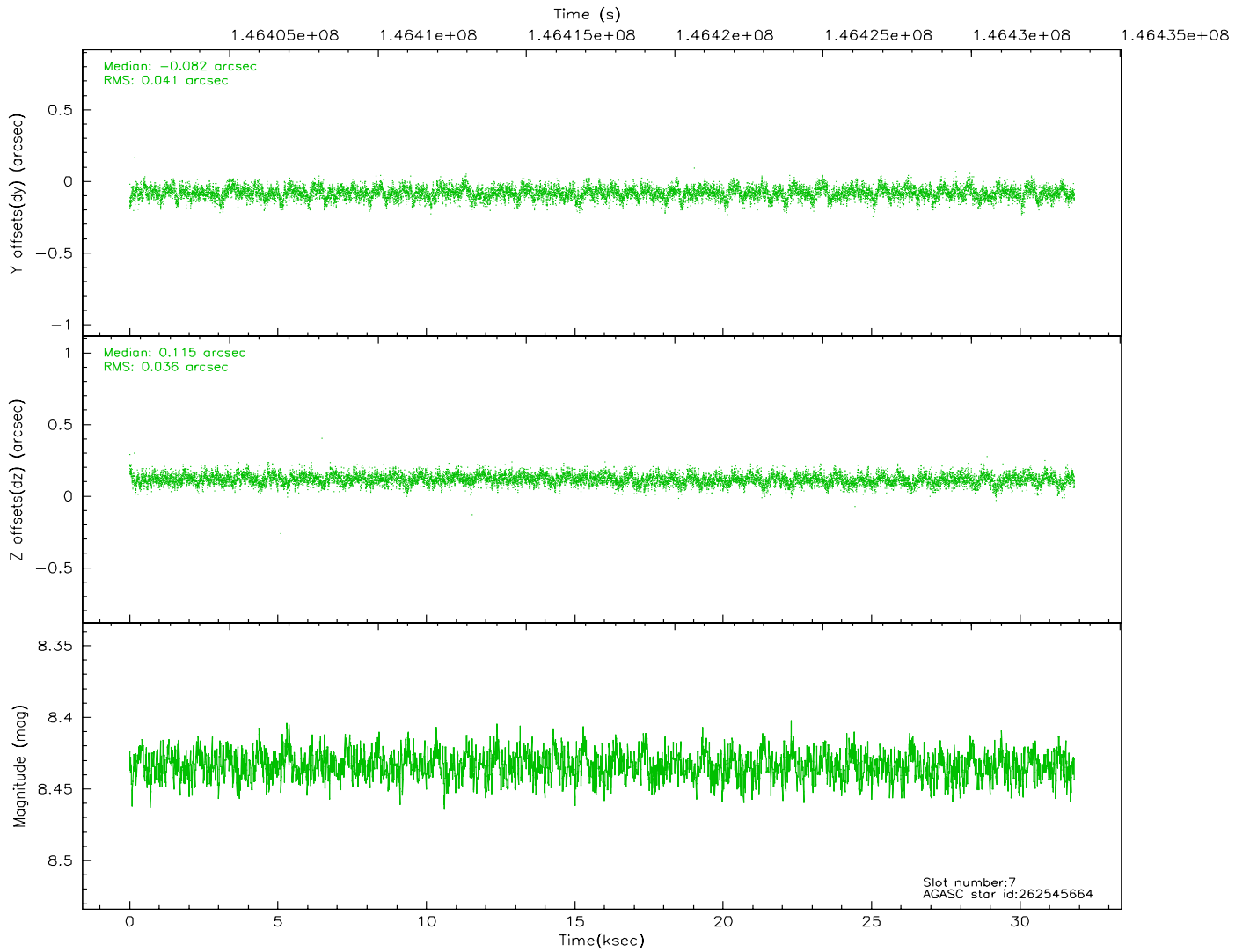
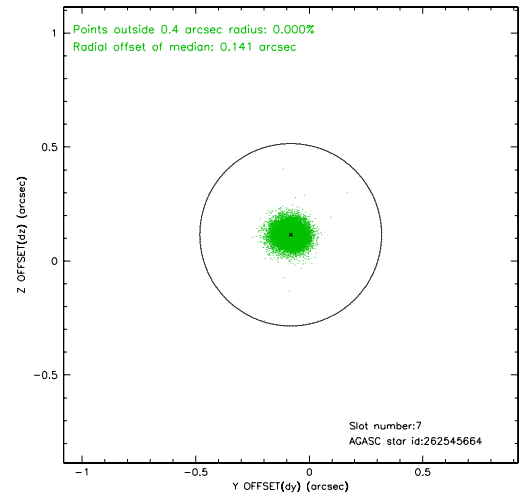
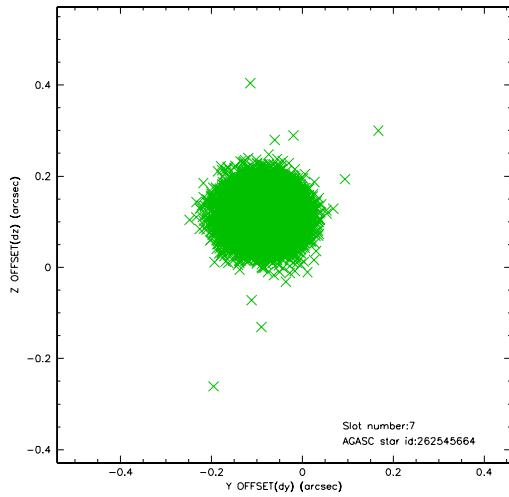
### 2.4.3 Slot 5



### 2.4.4 Slot 6

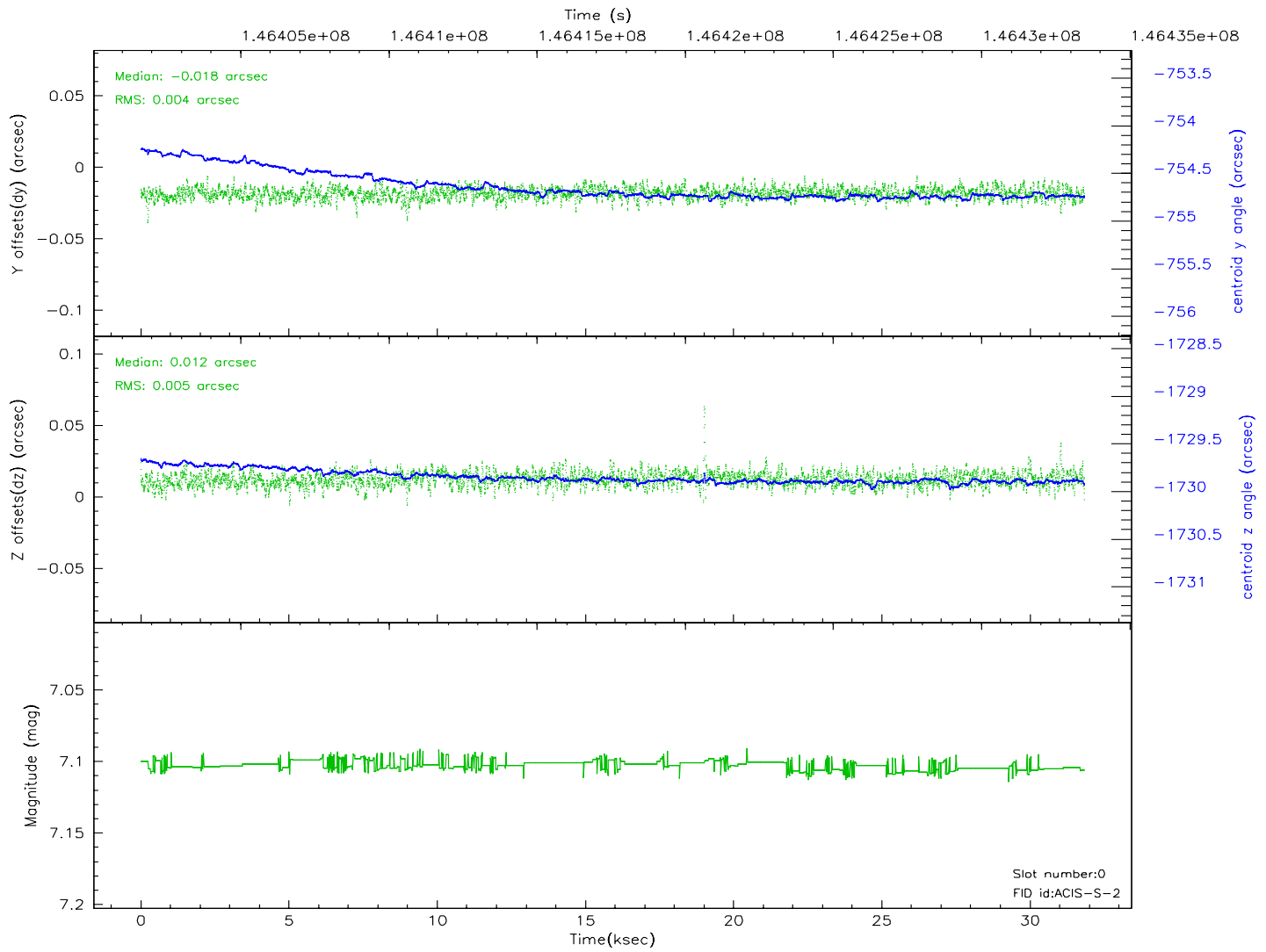
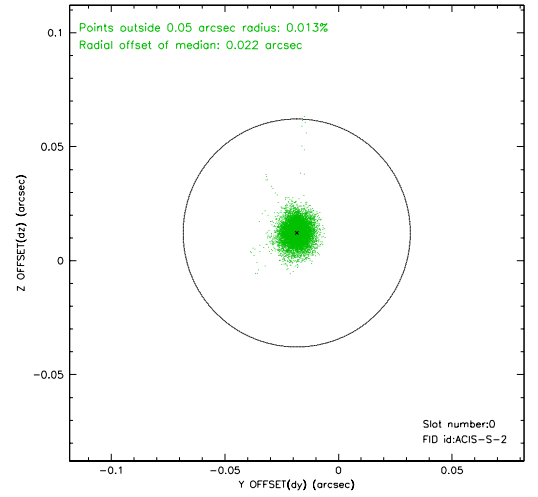
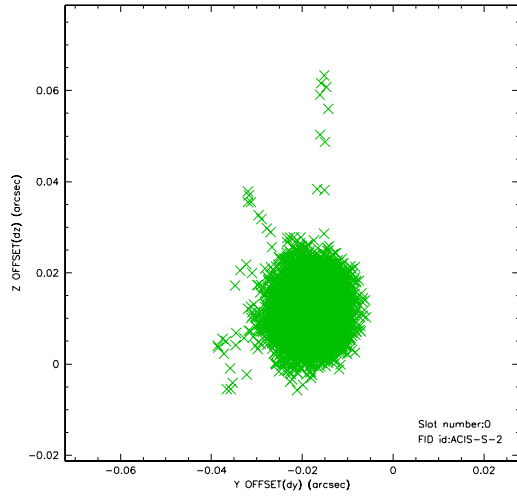


### 2.4.5 Slot 7

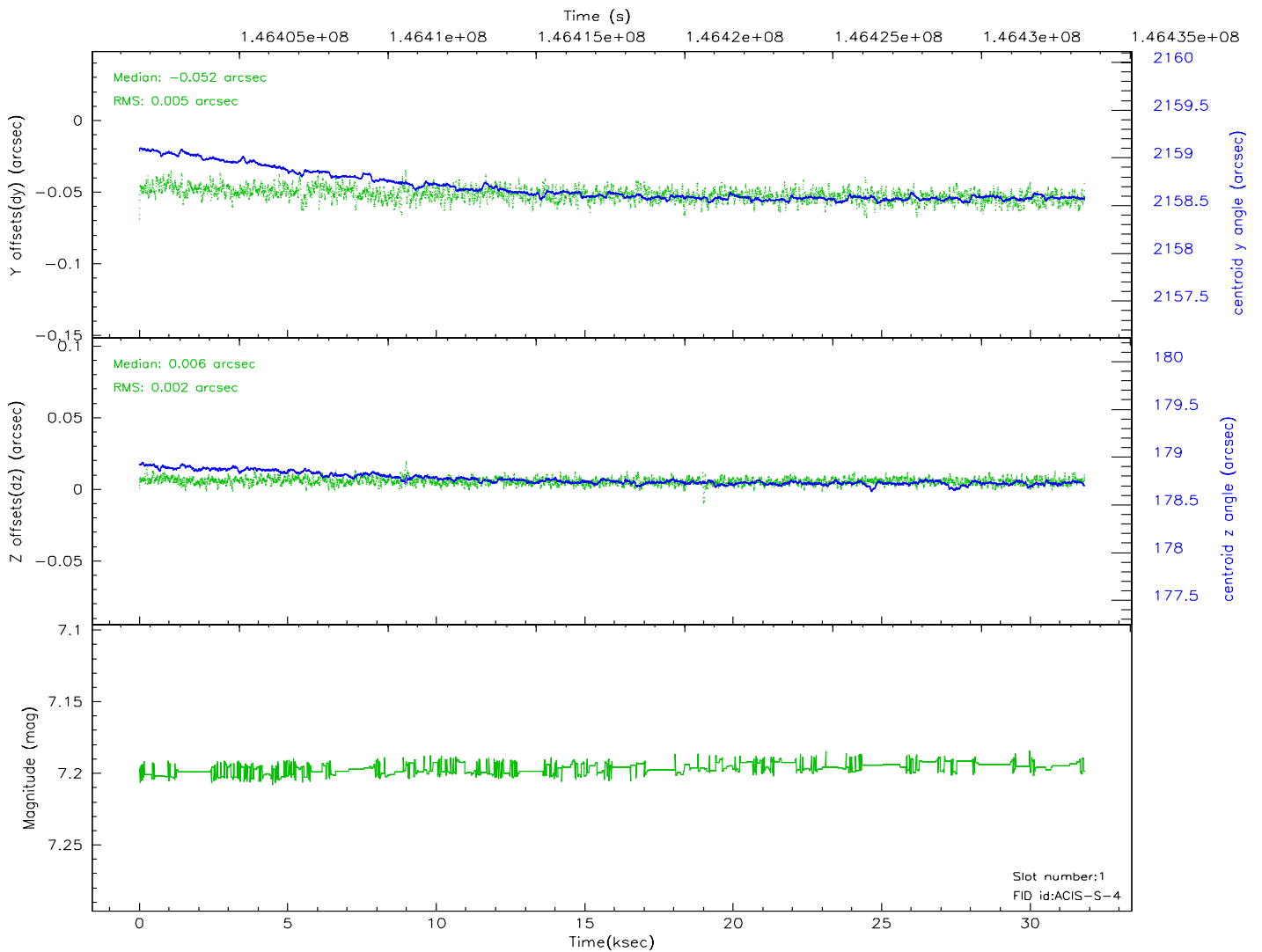
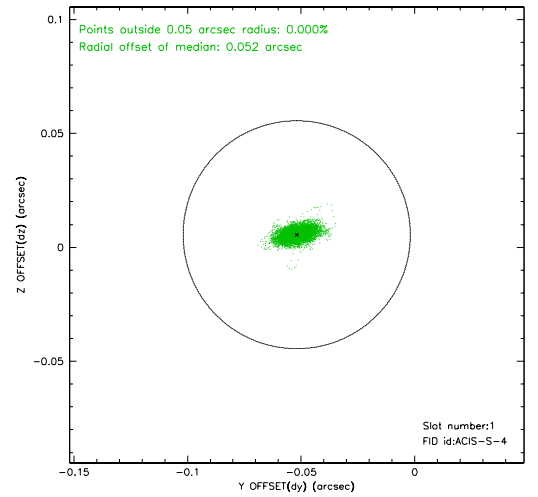
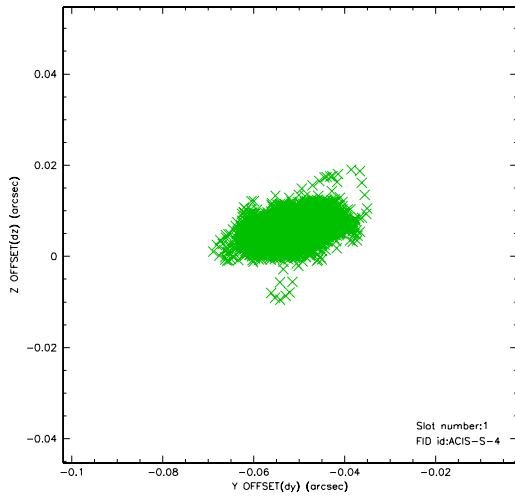


## 2.5 FID Slots

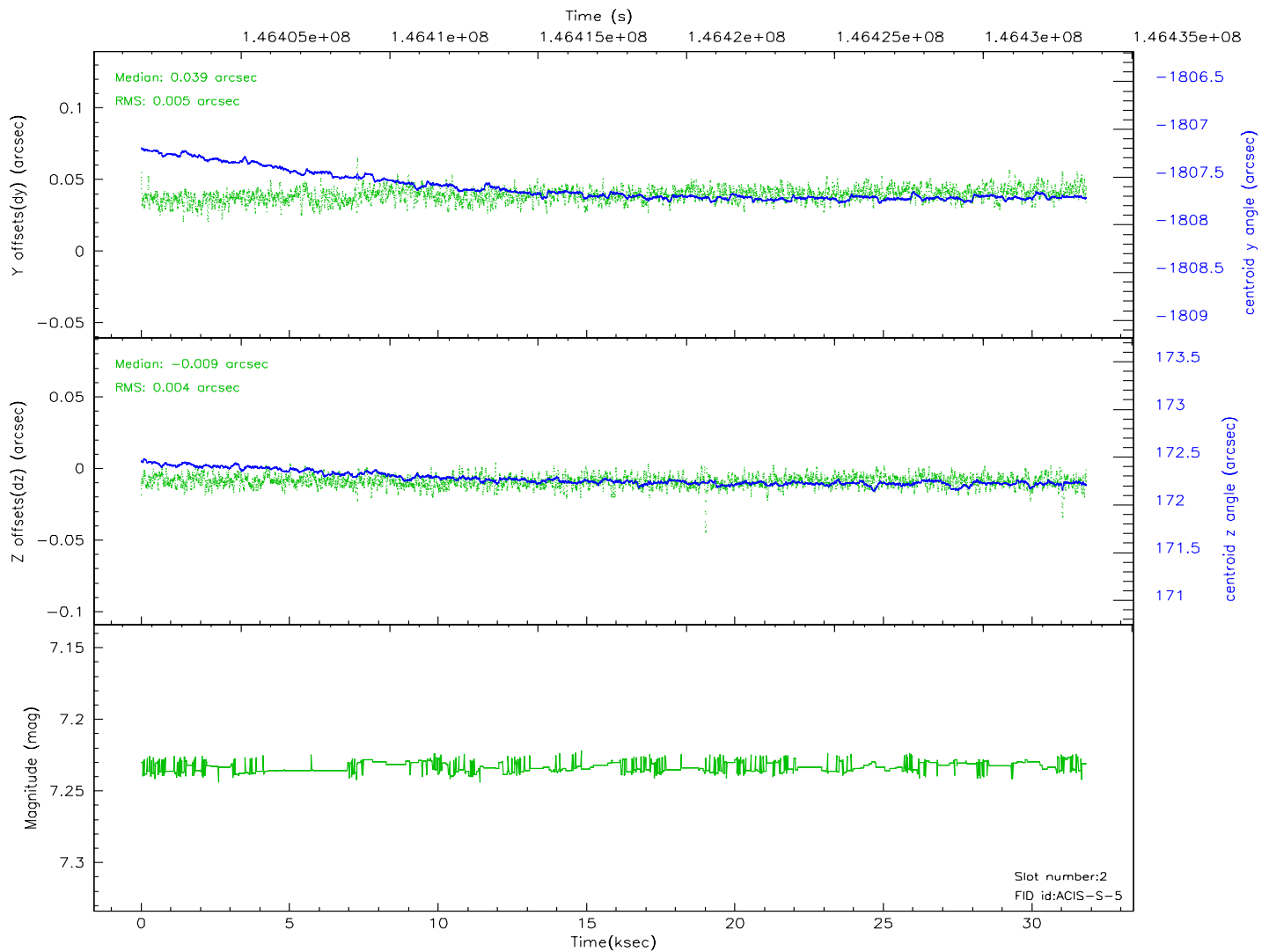
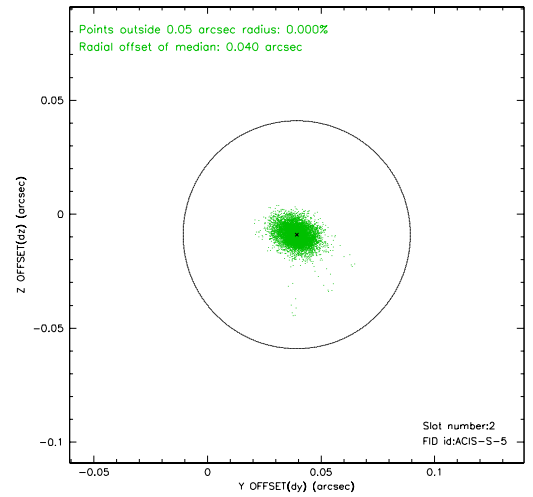
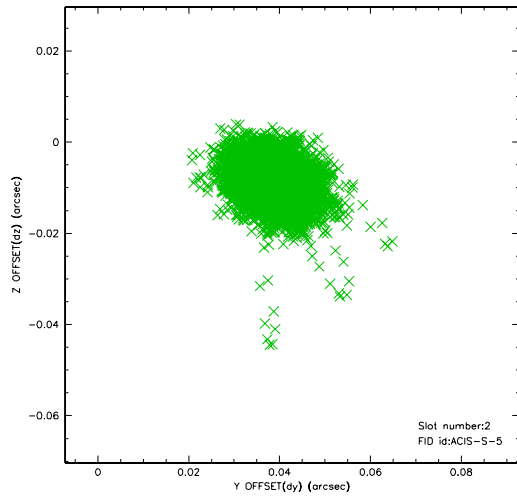
### 2.5.1 Slot 0



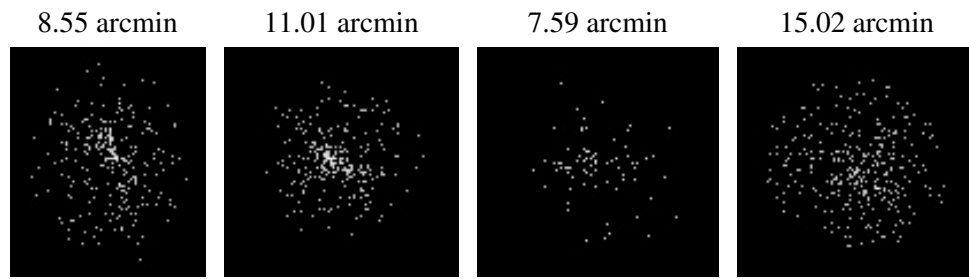
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.316

## A.2 Comments