

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1694 - L2 Version 001  
Chandra X-Ray Center

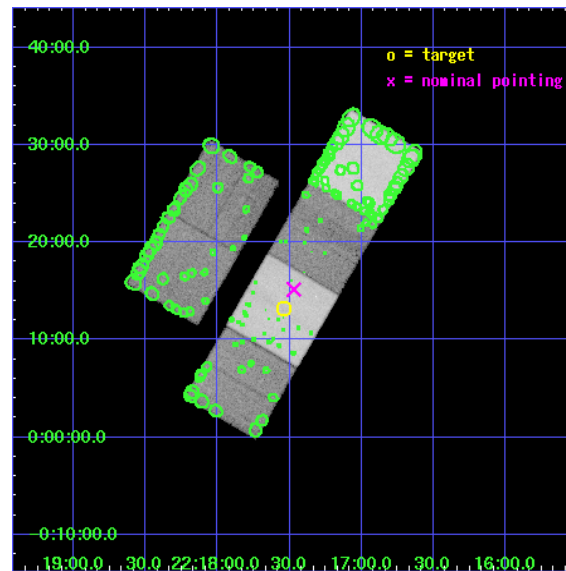
L2 Processing Date : Dec 11 2006

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# 1 Front

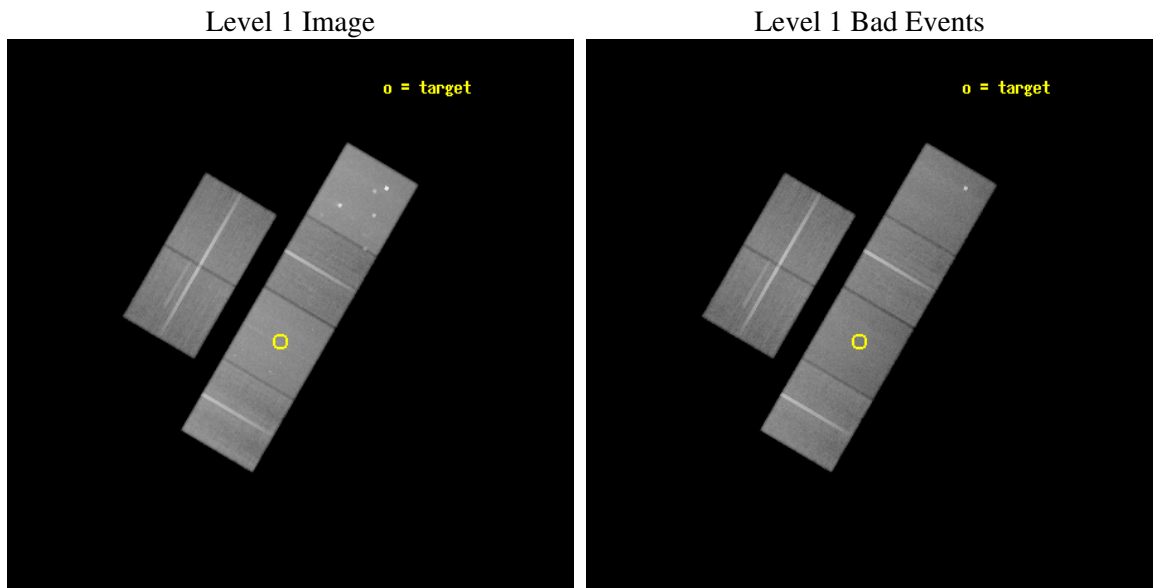
seq_num	900053
obs_id	1694
title	LYMAN ALPHA BLOBS AND A CLUSTER AT Z=3.09
observer	Professor Gordon Garmire
object	PROTO CLUSTER
dtcycle	0
cycle	P
ra_targ	334.385
dec_targ	0.219417
ra_nom	334.36767355319
dec_nom	0.25264845407134
roll_nom	120.30364142883
revision	2
ontime	78934.23600319
livetime	77934.723178427
ontime2	78937.476973444
ontime3	78934.23614271
ontime5	78934.236003205
ontime6	78934.23600319
ontime7	78934.23600319
ontime8	78927.754192308
l2events	749877



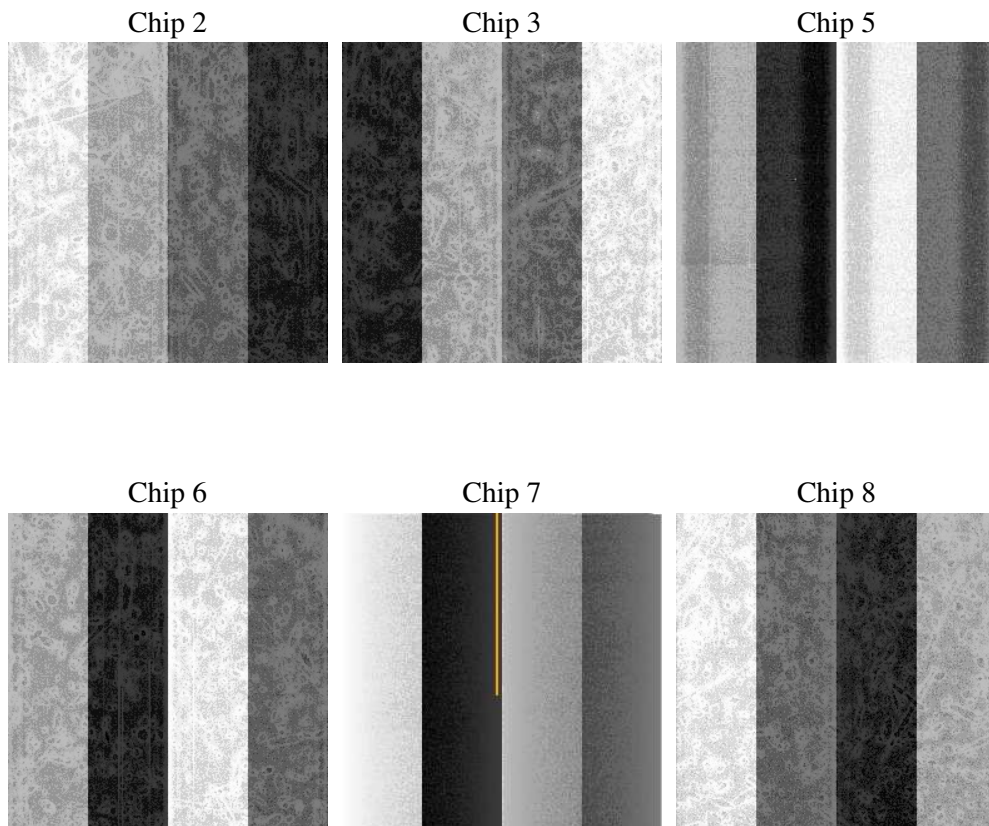
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-12T00:06:15
revision	2

sched_exp_time	79000.000000
ontime	78937.84841828
ontime2	78941.089388534
ontime3	78937.848527879
ontime5	78937.848438218
ontime6	78937.84841828
ontime7	78937.84841828
ontime8	78934.607617483
l1events	3598792

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	529136	508051	742596	522749	657177	639083
rejected events	473718	451856	408604	464001	404611	511878
rejected %	89%	88%	55%	88%	61%	80%

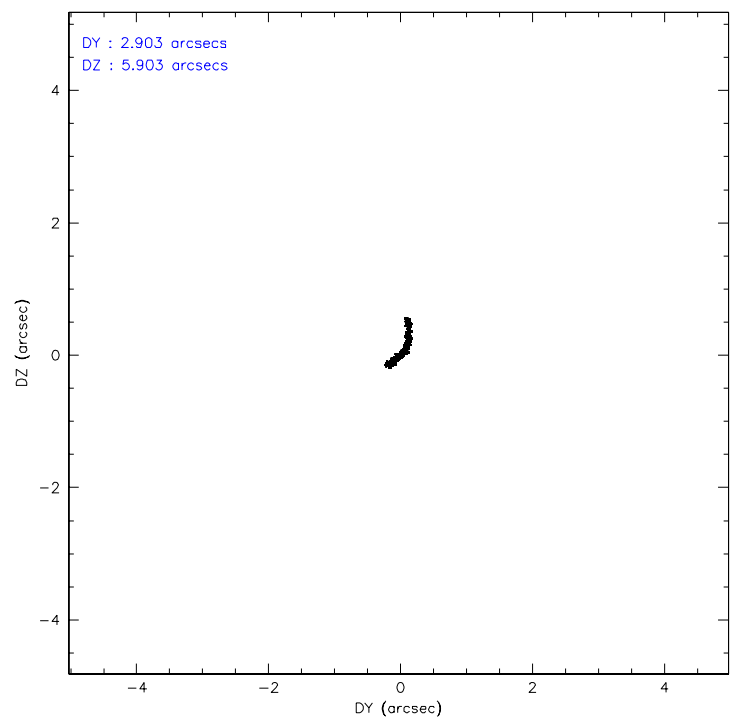
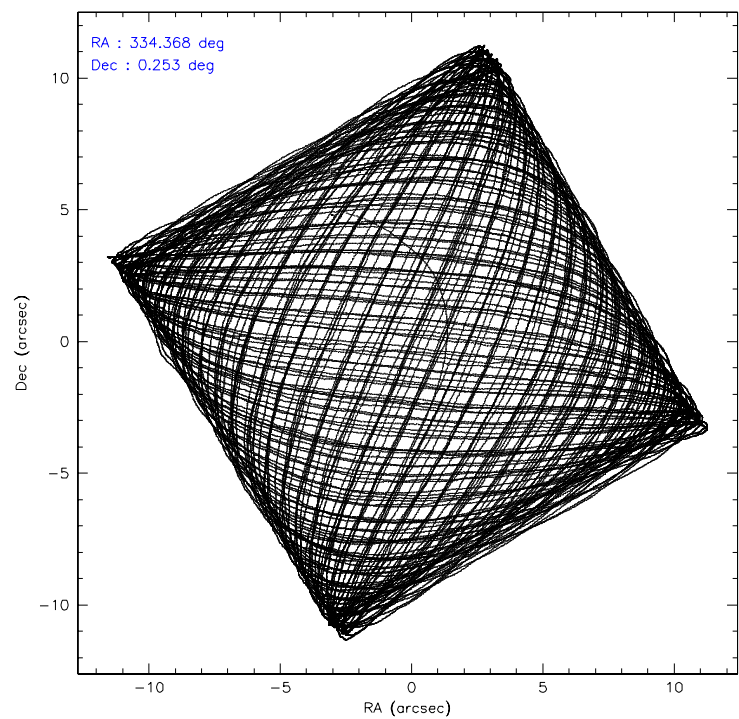
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	22114	23910	32757	23527	15482	39600
	4%	4%	4%	4%	2%	6%
grade 1 events	240	257	559	233	422	358
	0%	0%	0%	0%	0%	0%
grade 2 events	12394	11228	104886	11787	61507	27535
	2%	2%	14%	2%	9%	4%
grade 3 events	5502	5582	8194	5991	13609	13587
	1%	1%	1%	1%	2%	2%
grade 4 events	5429	5479	7348	5765	12996	12709
	1%	1%	0%	1%	1%	1%
grade 5 events	18133	19728	37415	21770	44786	27407
	3%	3%	5%	4%	6%	4%
grade 6 events	9982	9998	180818	11680	148984	33777
	1%	1%	24%	2%	22%	5%
grade 7 events	455342	431869	370619	441996	359391	484110
	86%	85%	49%	84%	54%	75%

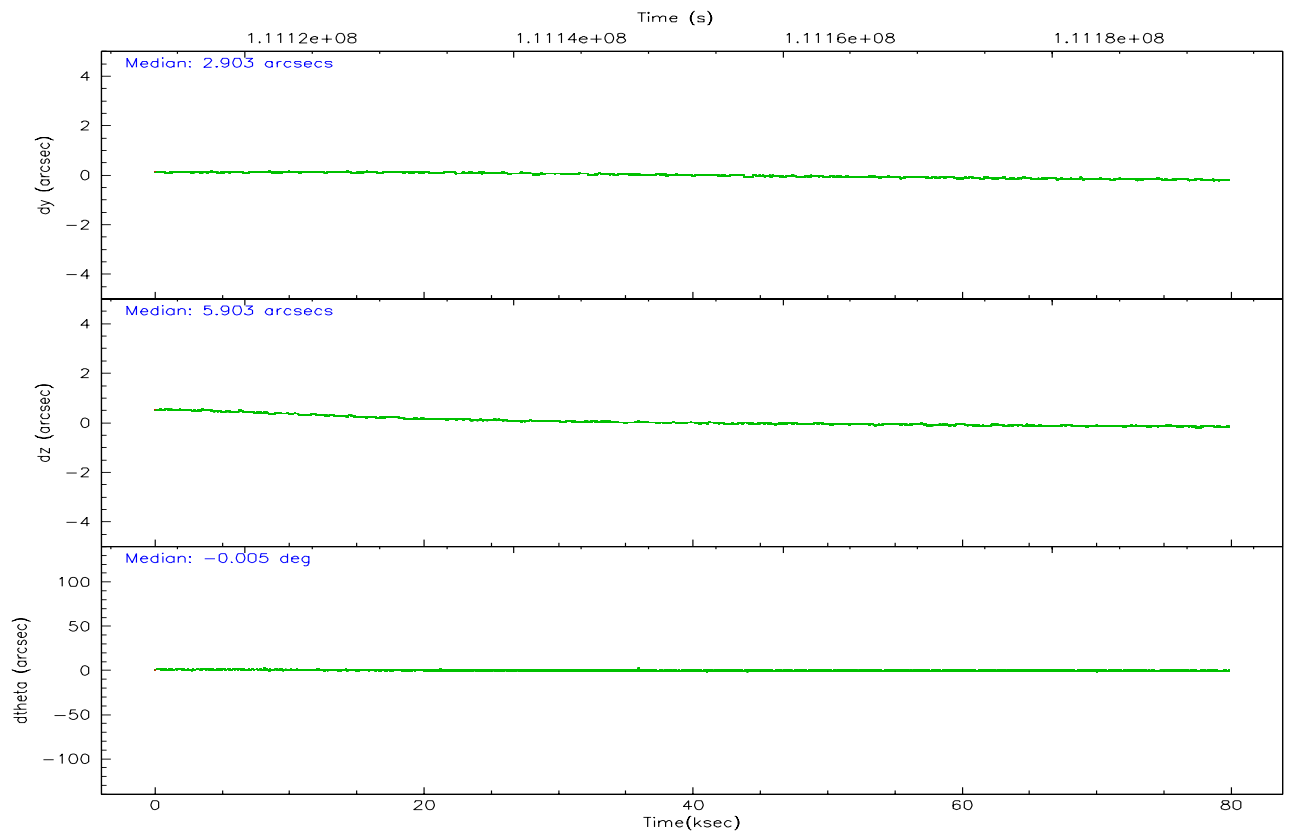
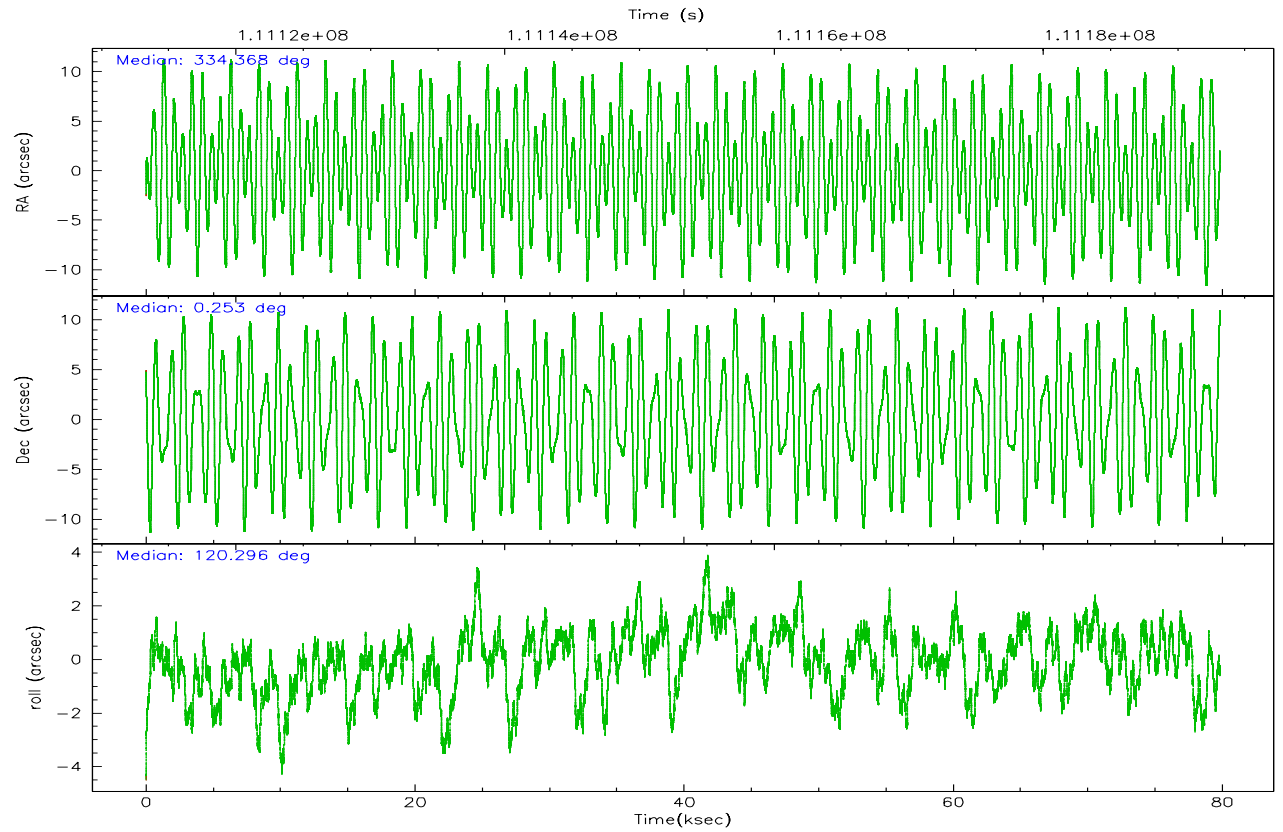


## 2.2 Compared Parameters

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	334.391523	334.367673553192	Subarray requested	NONE	NONE
Pointing Dec	0.239393	0.252648454071336	Alternating exposures requested	N	N
Pointing Roll	120.146913	120.3036414288261	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	111114162.184000	111112871.86216			
Observation start date	2001-07-10T01:01:38	2001-07-10T00:41:11			
Observation end time	111193162.184000	111193880.17783			
Observation end date	2001-07-10T22:58:18	2001-07-10T23:11:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect



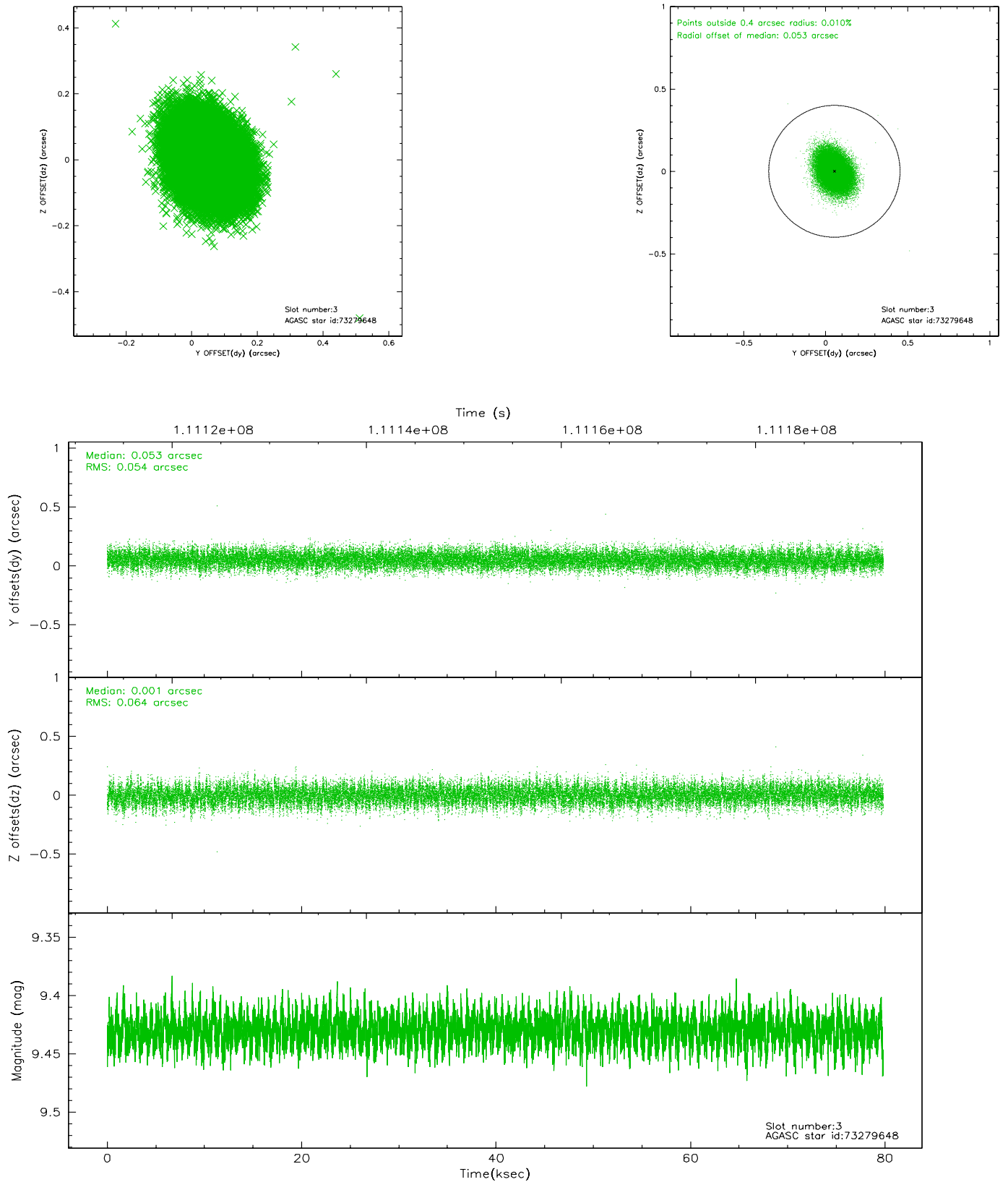


### Slot Statistics

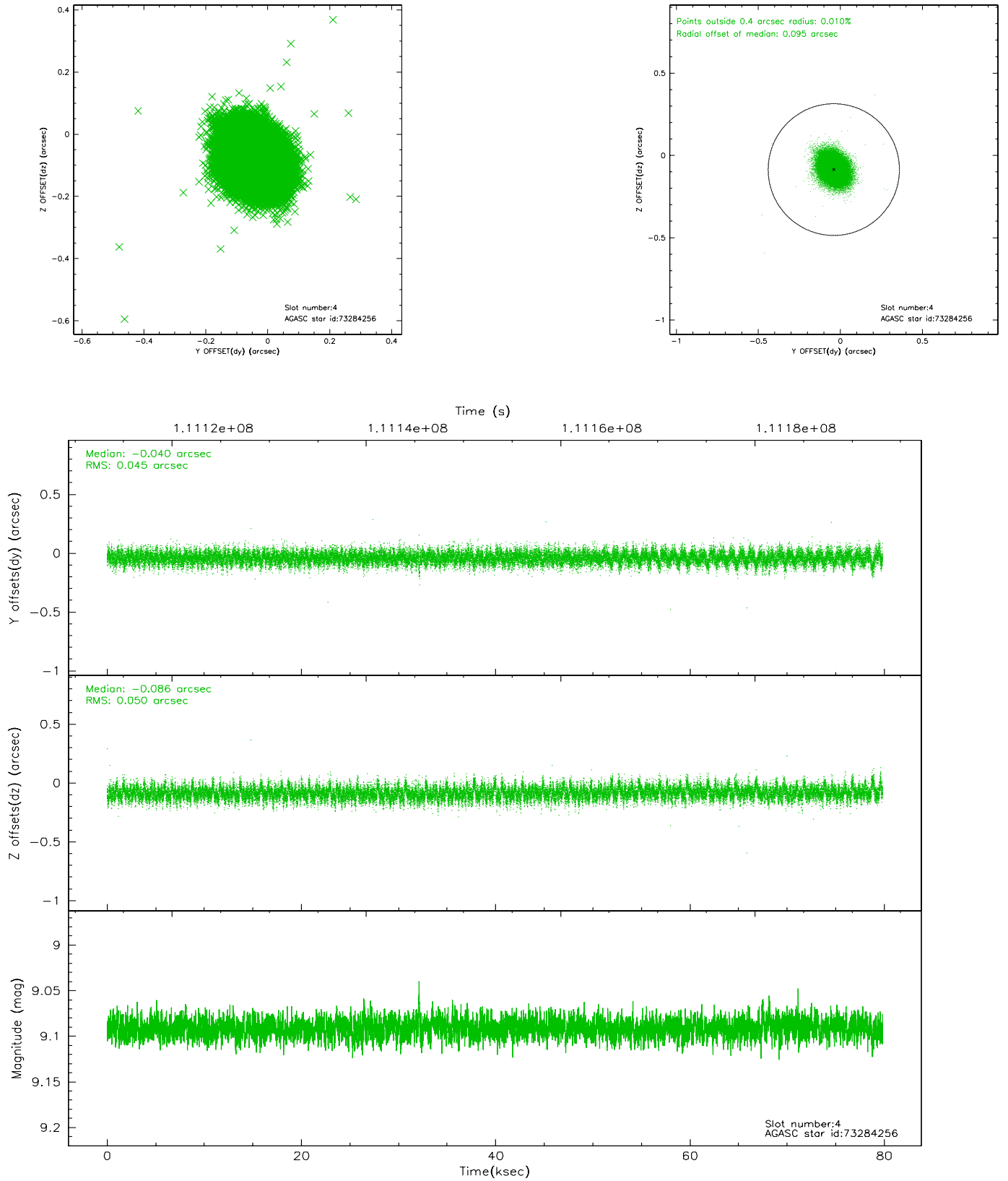
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	19472	-0.015	0.035	0.008	0.013	0.000000	0.000000	-755.51	-1727.09
1	FID	ACIS-S-4	7.20	19469	-0.083	-0.002	0.006	0.011	0.000000	0.000000	2157.69	181.49
2	FID	ACIS-S-5	7.24	19471	0.066	-0.024	0.008	0.013	0.000000	0.000000	-1808.40	174.98
3	GUIDE	73279648	9.43	38922	0.053	0.001	0.089	0.146	333.975275	0.037033	122.66	1661.85
4	GUIDE	73284256	9.09	38927	-0.040	-0.086	0.070	0.118	334.189661	0.525540	1255.89	111.33
5	GUIDE	73284448	9.44	38923	-0.153	-0.058	0.096	0.156	333.986577	0.512546	1582.46	767.06
6	GUIDE	73283152	8.84	38936	-0.079	0.317	0.089	0.142	334.629700	0.871456	1537.53	-1883.48
7	GUIDE	684856704	9.89	38901	0.224	-0.166	0.187	0.284	334.134459	-0.331352	-1311.82	1831.92

## 2.4 Star Slots

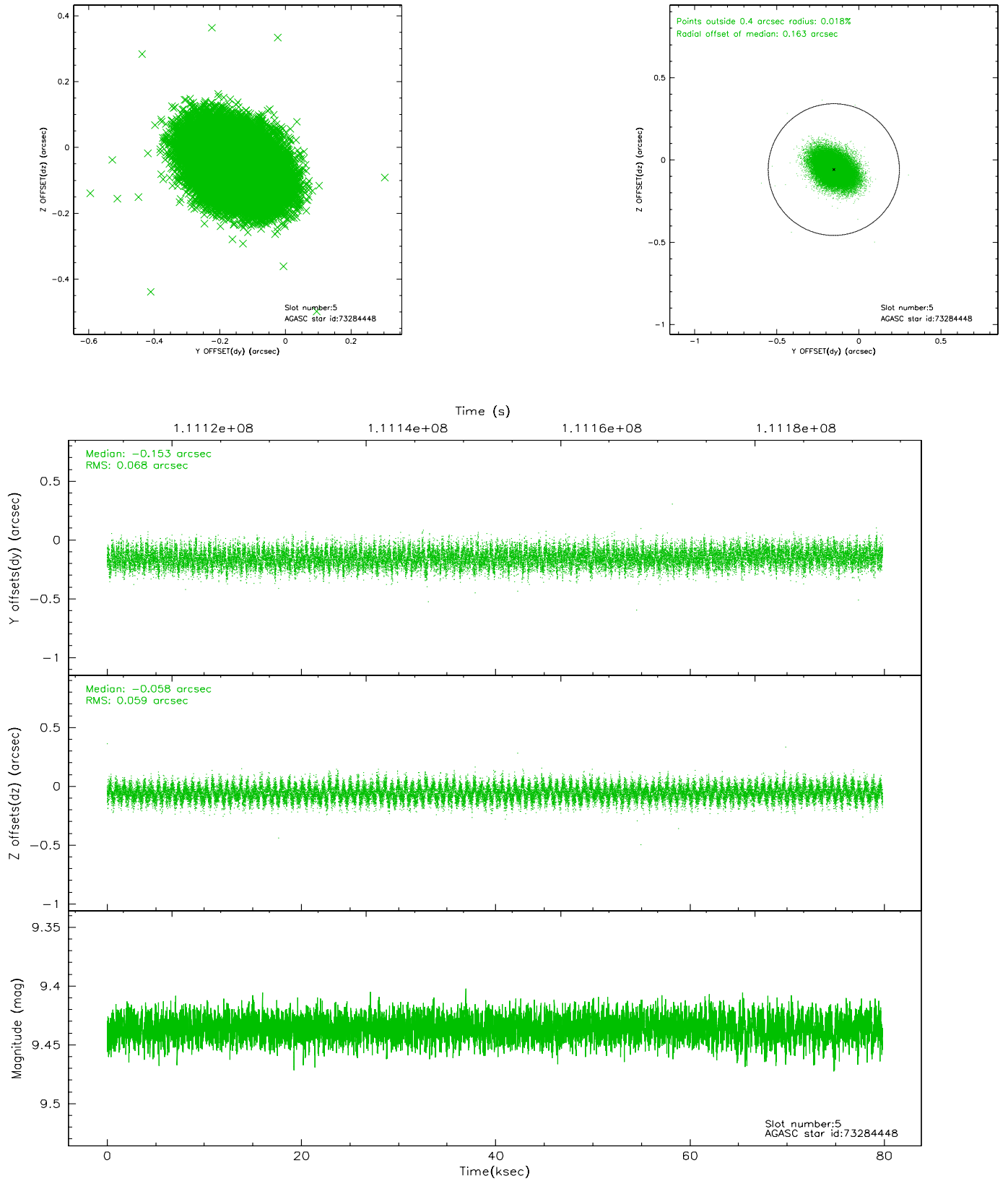
### 2.4.1 Slot 3



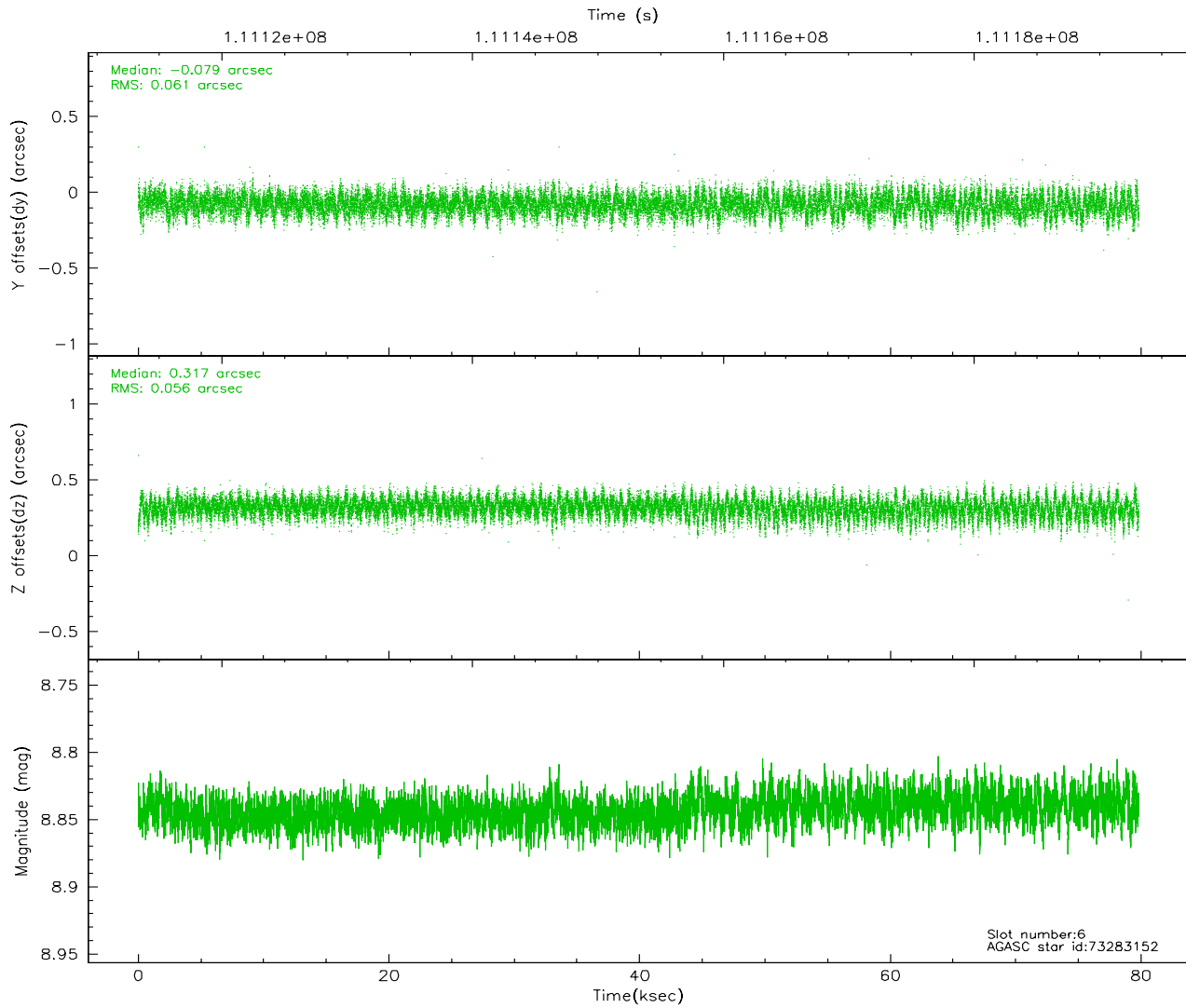
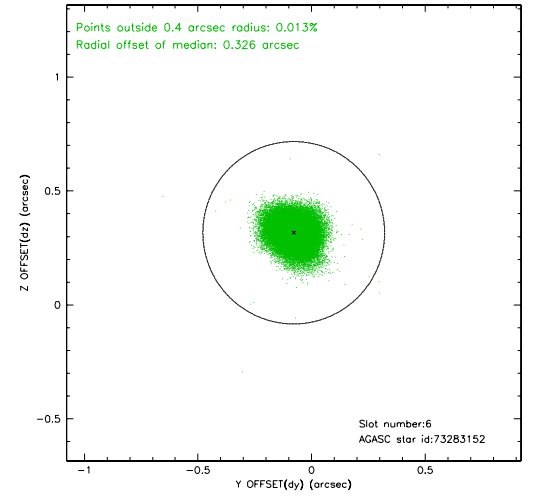
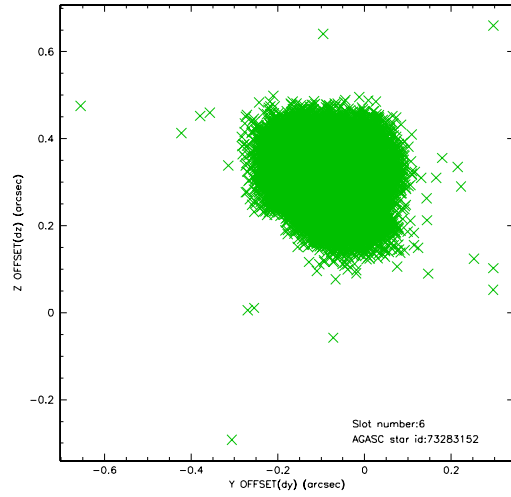
## 2.4.2 Slot 4



### 2.4.3 Slot 5

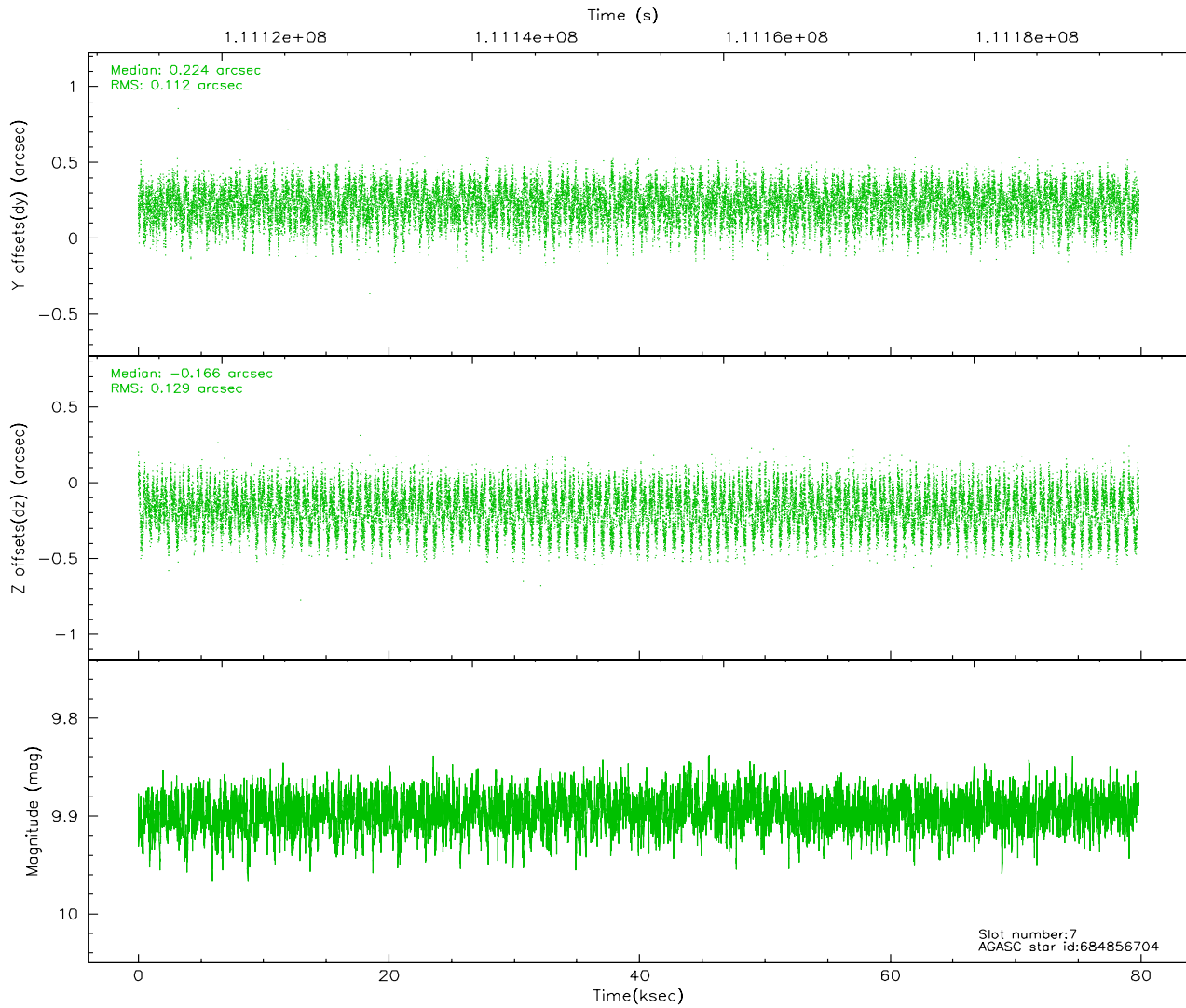
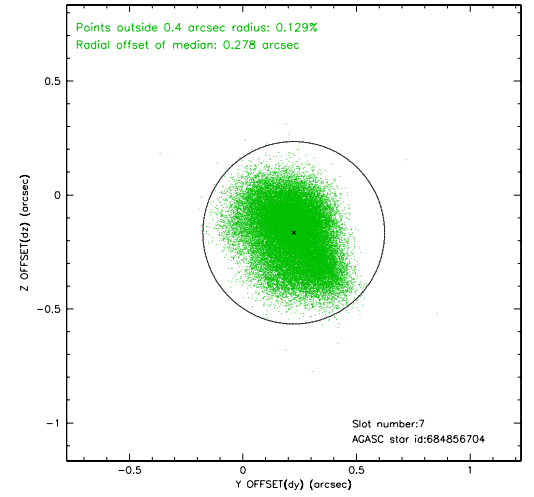
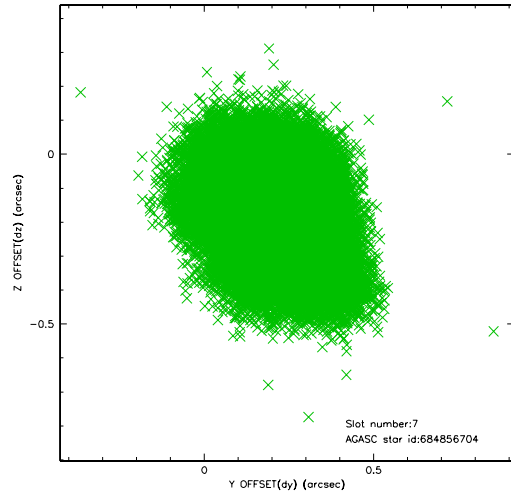


## 2.4.4 Slot 6



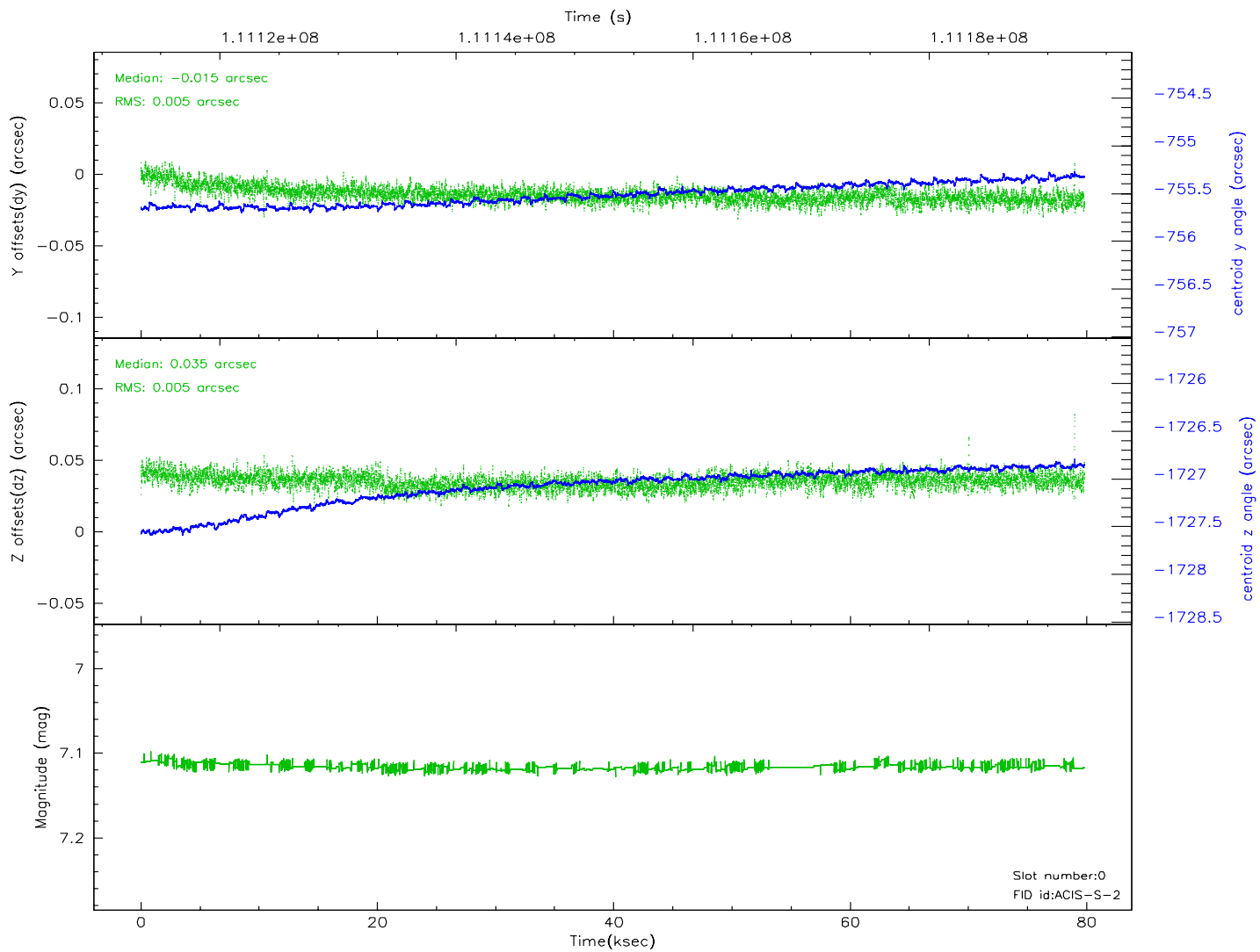
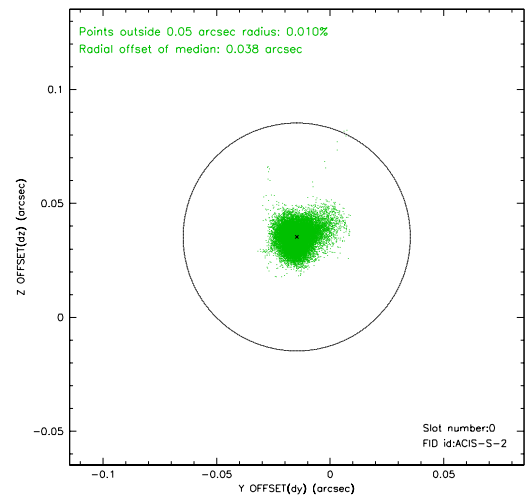
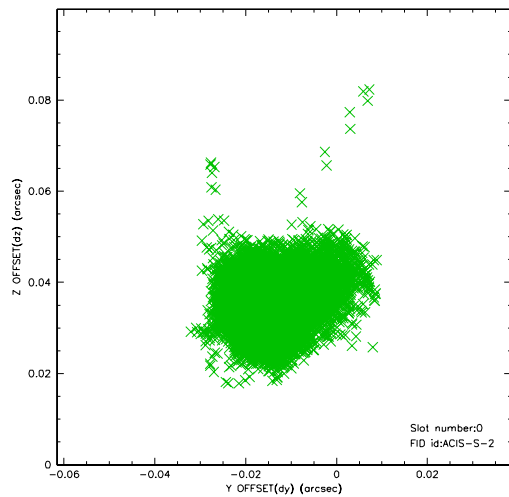


## 2.4.5 Slot 7

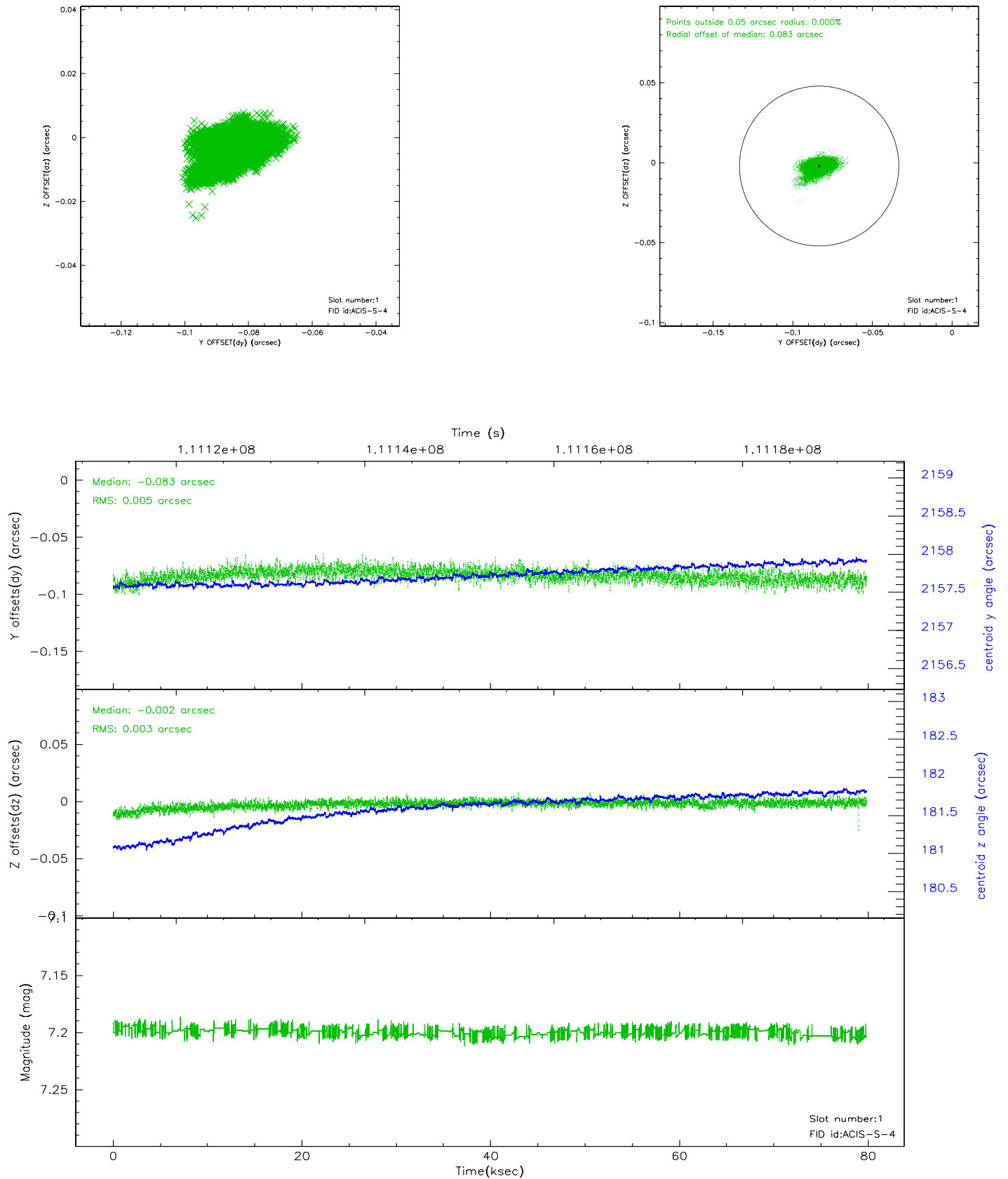


## 2.5 FID Slots

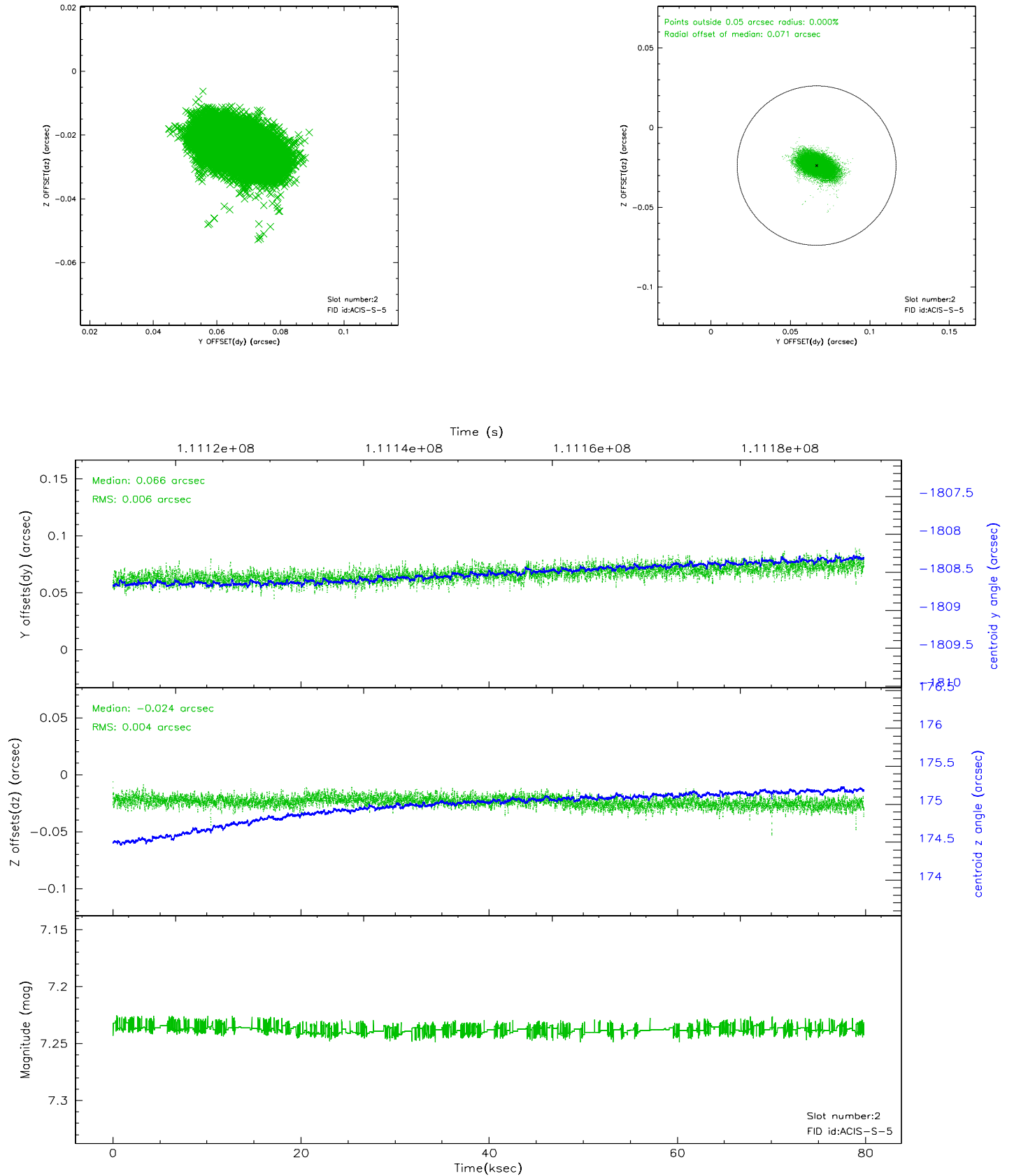
### 2.5.1 Slot 0



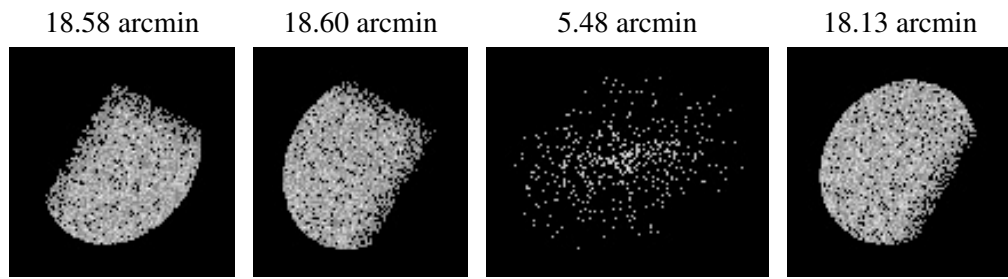
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	78.934

### A.2 Comments