

# V&V Reference Report

## L2 ASCDS Version : 7.6.11

Observation 1596 - L2 Version 2  
Chandra X-Ray Center

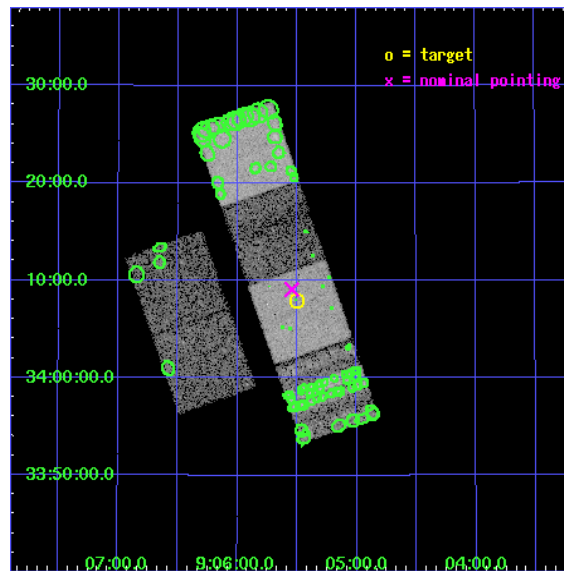
L2 Processing Date : Aug 27 2007

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# 1 Front

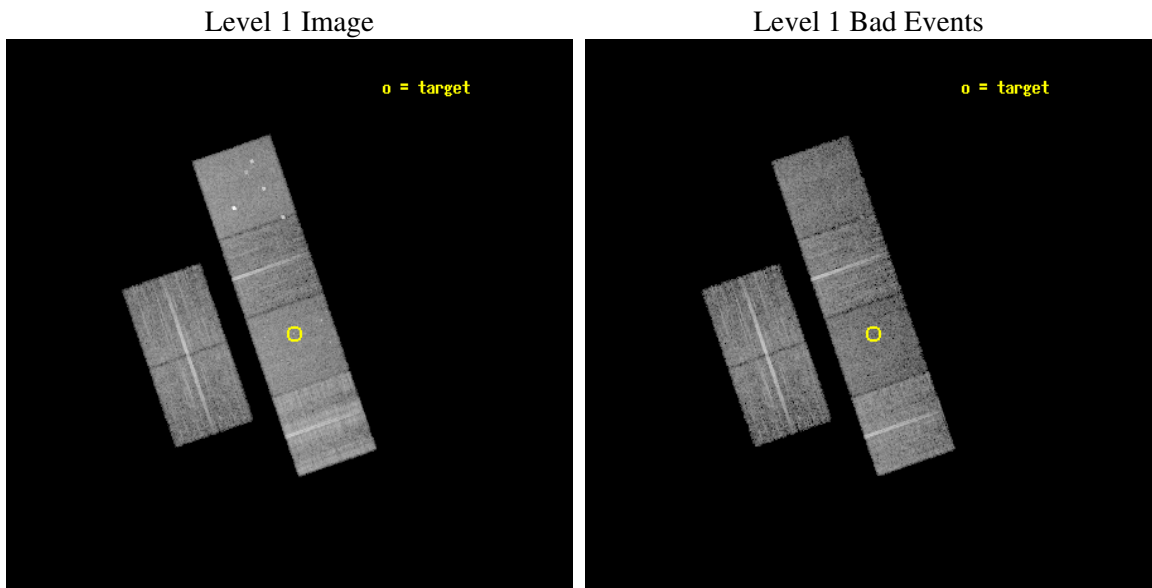
seq_num	700212
obs_id	1596
title	THE NATURE OF THE X-RAY EMISSION FROM THE RADIO SOURCE 0902+343
observer	Professor Andrew Fabian
object	0902+343
dtcycle	0
cycle	P
ra_targ	136.375417
dec_targ	34.1325
ra_nom	136.3857638776
dec_nom	34.151691757771
roll_nom	70.991787438727
revision	2
ontime	9904.0000092238
livetime	9778.5895976342
ontime2	9900.7590290606
ontime3	9904.0000092238
ontime5	9904.0000092238
ontime6	9904.0000092238
ontime7	9904.0000092238
ontime8	9900.7591885924
l2events	109537



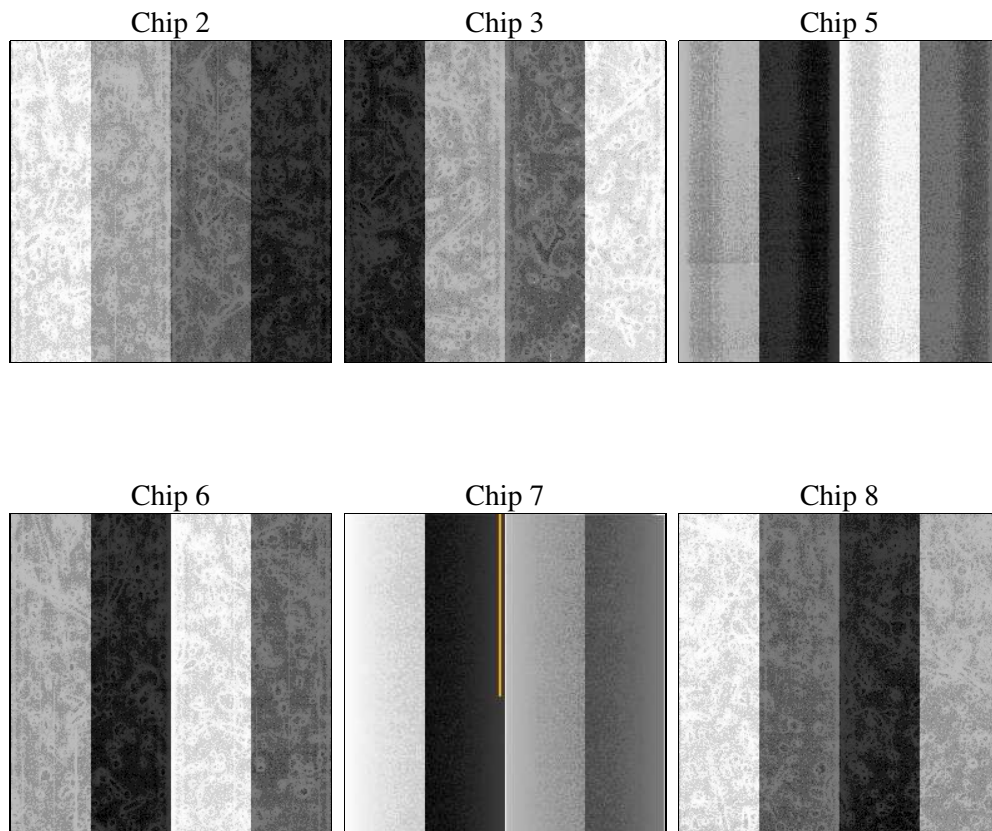
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldbver	3.4.0
date	2007-08-27T20:08:01
revision	2

sched_exp_time	10150.000000
ontime	9904.0000092238
ontime2	9900.7590290606
ontime3	9904.0000092238
ontime5	9904.0000092238
ontime6	9904.0000092238
ontime7	9904.0000092238
ontime8	9900.7591885924
l1events	505632

### 2.1.4 Events

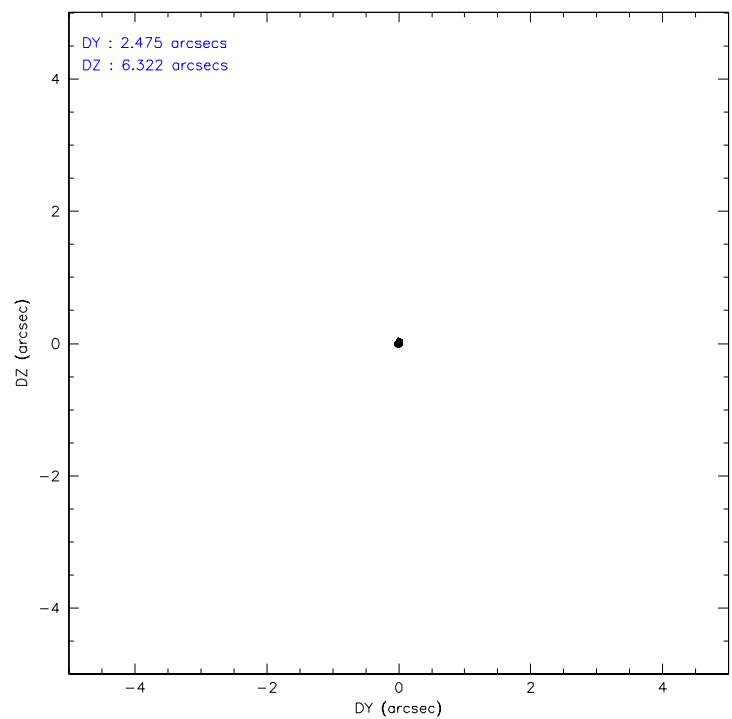
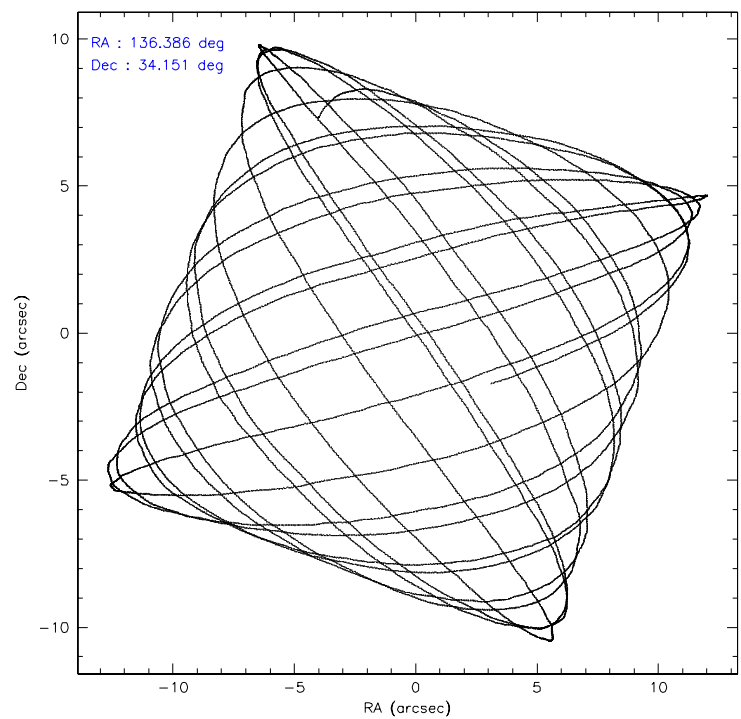
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	73576	69815	92550	70560	81023	118108
rejected events	65004	61849	48366	62110	46956	78015
rejected %	88%	88%	52%	88%	57%	66%

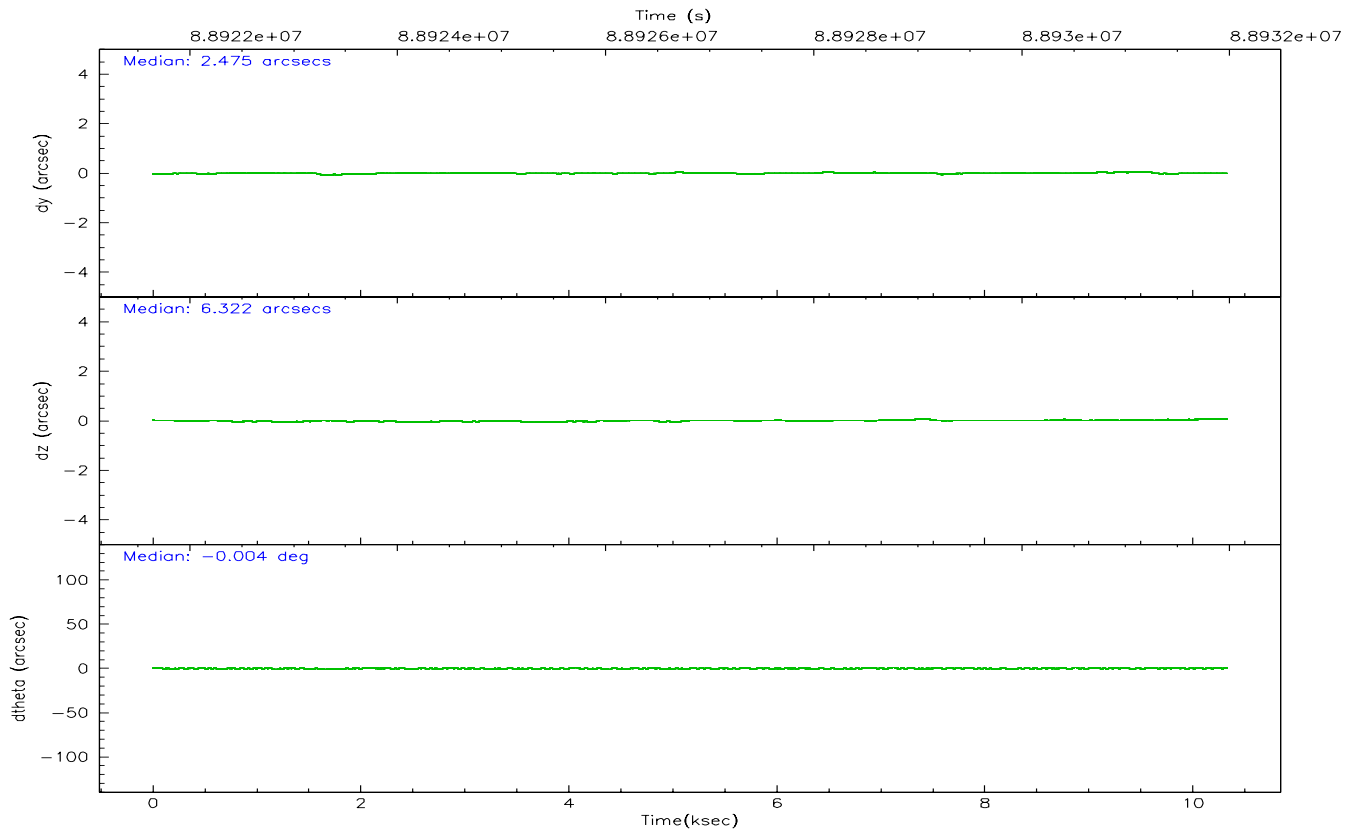
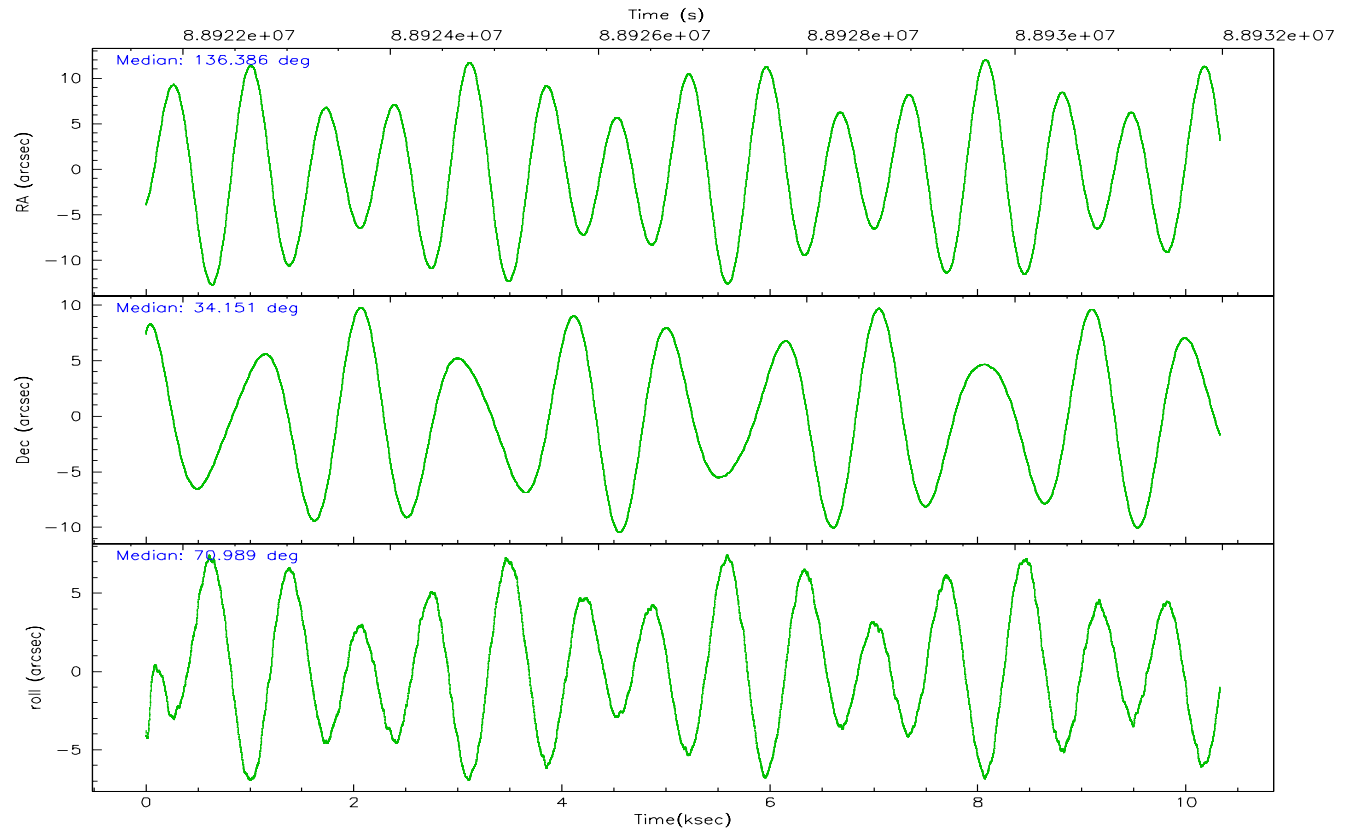
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3748	3329	7657	3404	3554	11550
	5%	4%	8%	4%	4%	9%
grade 1 events	42	29	152	30	87	121
	0%	0%	0%	0%	0%	0%
grade 2 events	1971	1711	11851	1883	6777	6772
	2%	2%	12%	2%	8%	5%
grade 3 events	649	675	2071	755	3084	6293
	0%	0%	2%	1%	3%	5%
grade 4 events	759	721	1956	764	3086	5521
	1%	1%	2%	1%	3%	4%
grade 5 events	2201	2346	6899	2580	7808	3691
	2%	3%	7%	3%	9%	3%
grade 6 events	1449	1533	20676	1650	17590	9961
	1%	2%	22%	2%	21%	8%
grade 7 events	62757	59471	41288	59494	39037	74199
	85%	85%	44%	84%	48%	62%

## 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	136.392240	136.3857638775984	Subarray requested	NONE	NONE
Pointing Dec	34.124833	34.15169175777055	Alternating exposures requested	N	N
Pointing Roll	70.831529	70.99178743872692	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	88921828.184000	88921165.906252			
Observation start date	2000-10-26T04:29:24	2000-10-26T04:19:25			
Observation end time	88931978.184000	88932174.40666801			
Observation end date	2000-10-26T07:18:34	2000-10-26T07:22:54			
Read mode	TIMED	TIMED			

## 2.3 Aspect



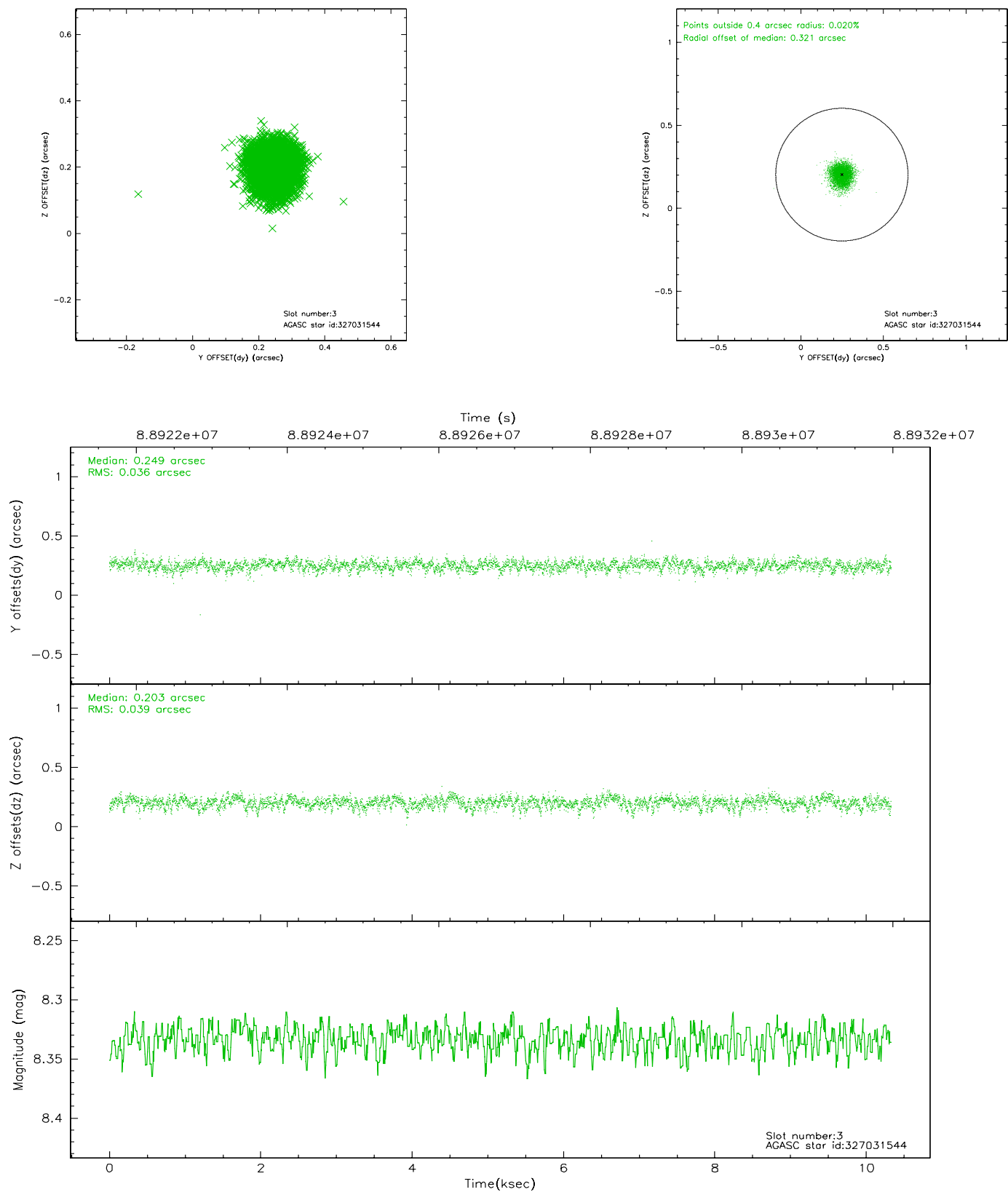


### Slot Statistics

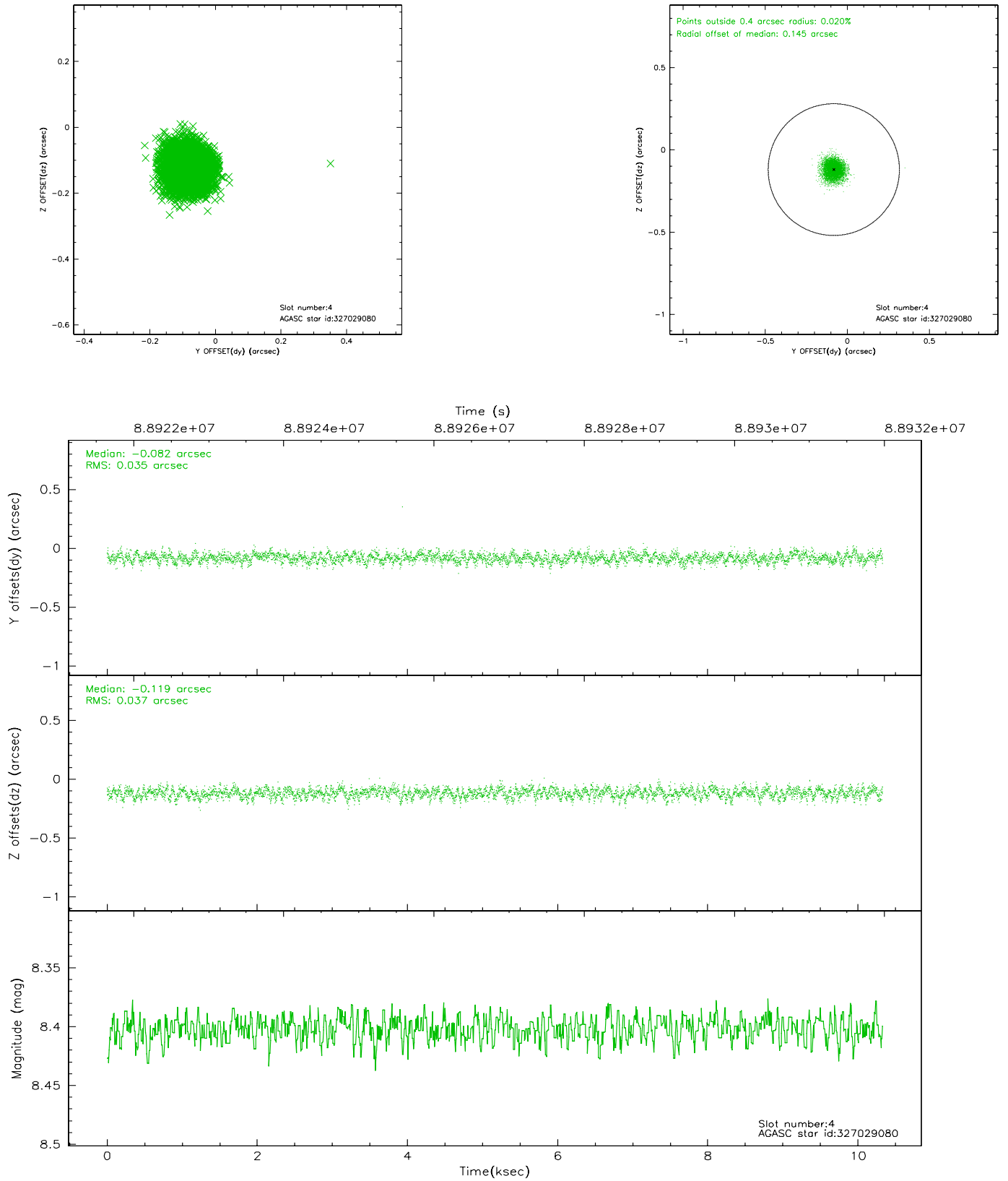
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2520	-0.013	0.040	0.007	0.011	0.000000	0.000000	-755.10	-1727.44
1	FID	ACIS-S-4	7.20	2520	-0.081	-0.005	0.006	0.011	0.000000	0.000000	2157.87	180.50
2	FID	ACIS-S-5	7.23	2520	0.062	-0.027	0.006	0.011	0.000000	0.000000	-1807.23	174.70
3	GUIDE	327031544	8.33	5038	0.249	0.203	0.056	0.091	136.661642	33.370521	-2296.52	-1656.57
4	GUIDE	327029080	8.40	5038	-0.082	-0.119	0.054	0.088	136.078040	34.539830	1107.22	1370.47
5	GUIDE	327026776	8.72	5037	-0.116	-0.158	0.055	0.089	136.193240	34.587601	1381.79	1104.23
6	GUIDE	327029704	9.03	5038	-0.055	0.134	0.065	0.106	136.726389	34.530128	1706.59	-456.30
7	GUIDE	327032080	9.13	5038	0.007	-0.055	0.064	0.107	136.187340	34.400970	741.26	901.13

## 2.4 Star Slots

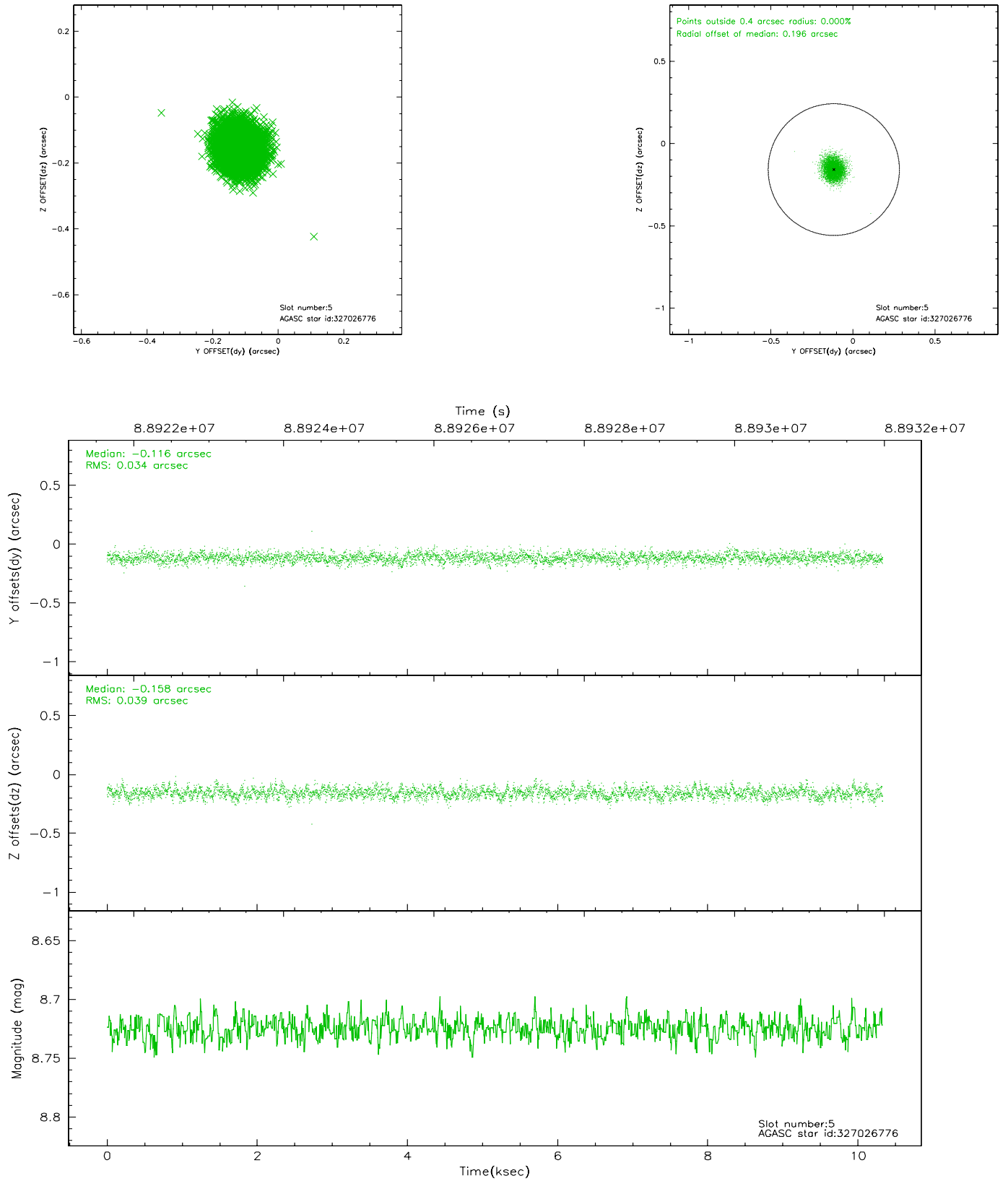
### 2.4.1 Slot 3



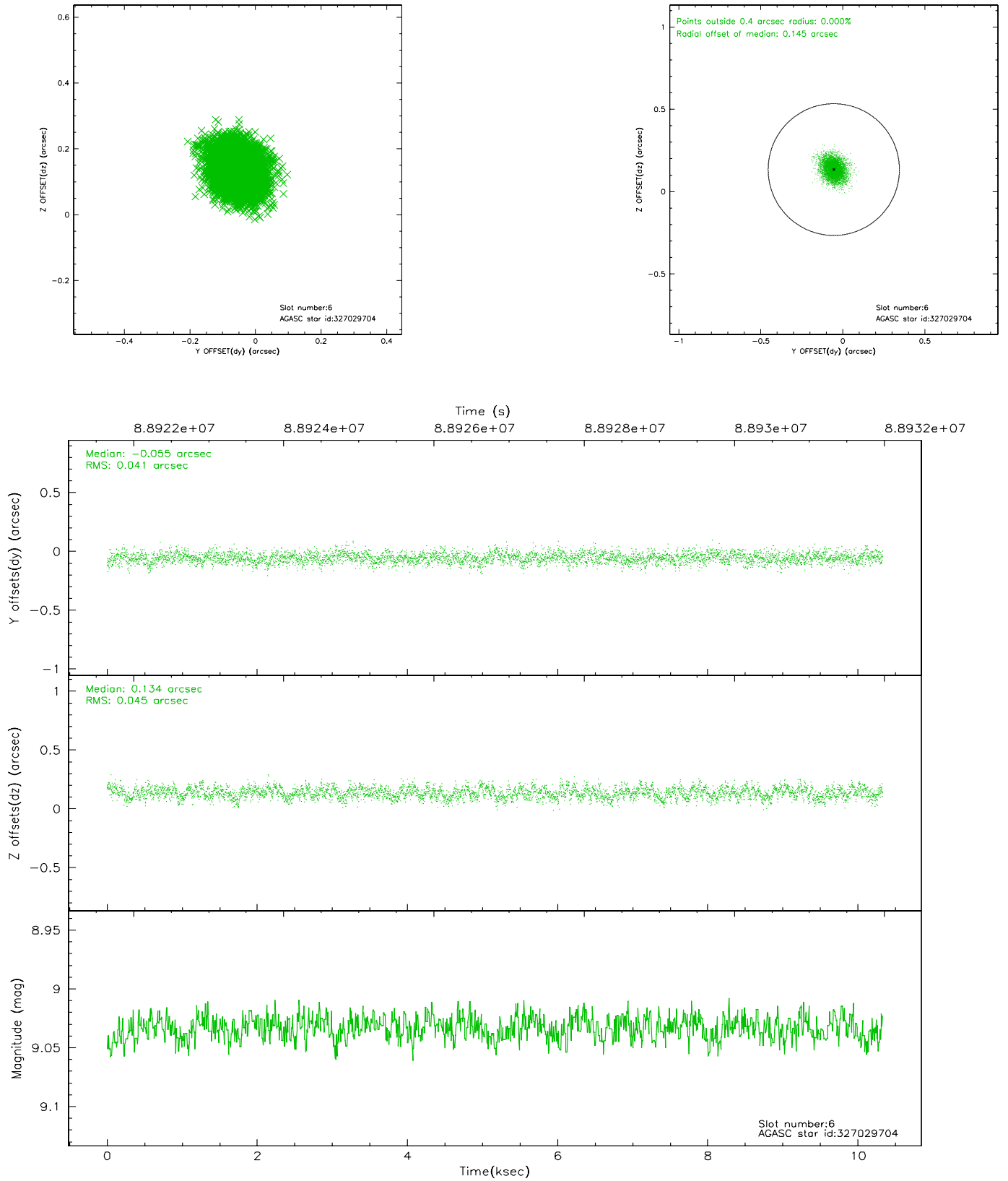
## 2.4.2 Slot 4



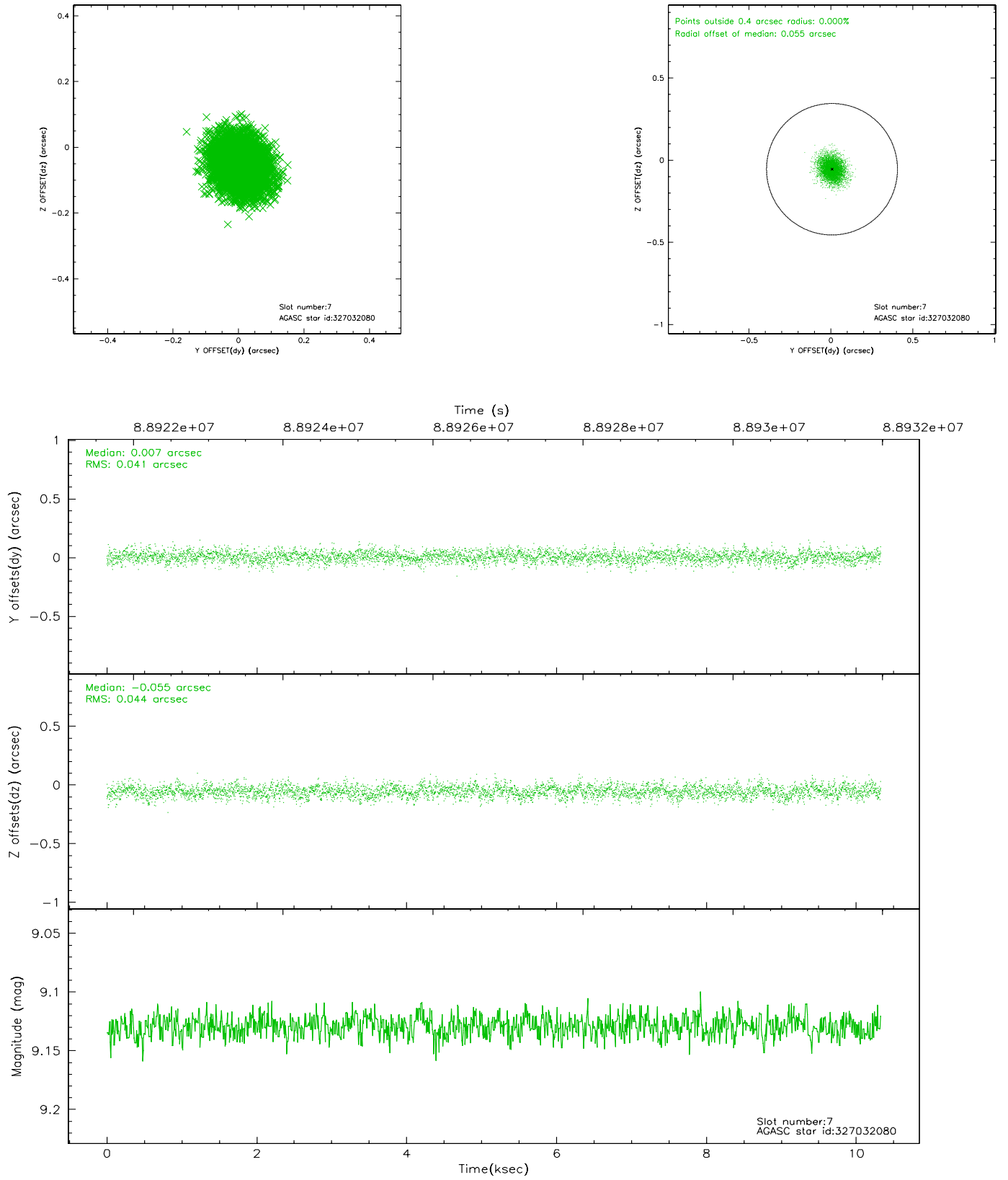
### 2.4.3 Slot 5



## 2.4.4 Slot 6

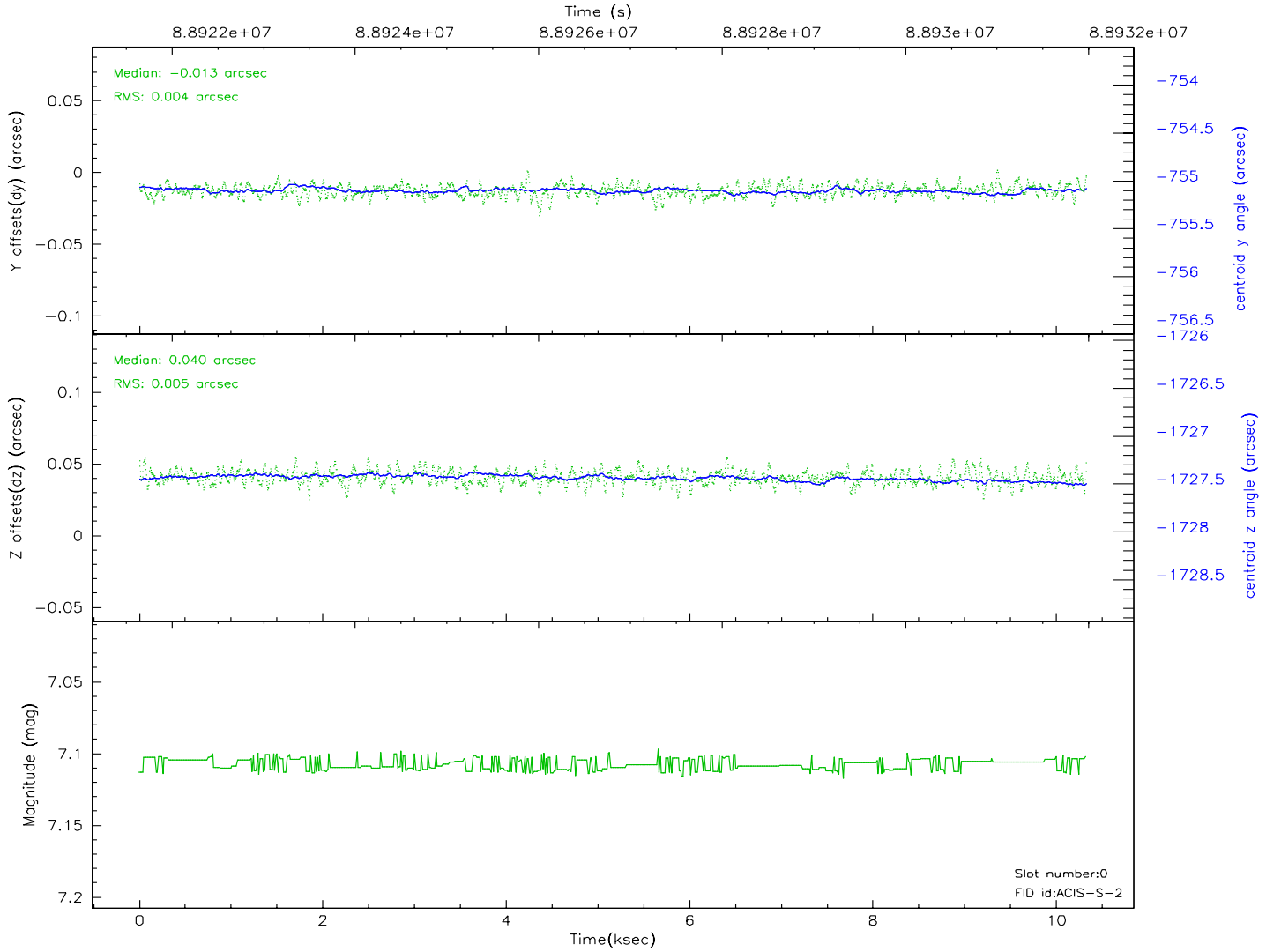
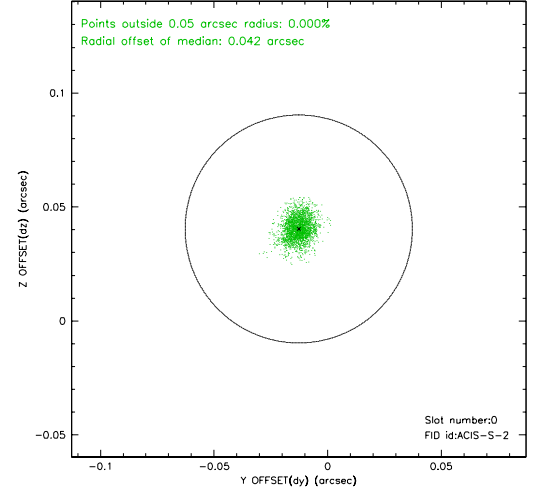
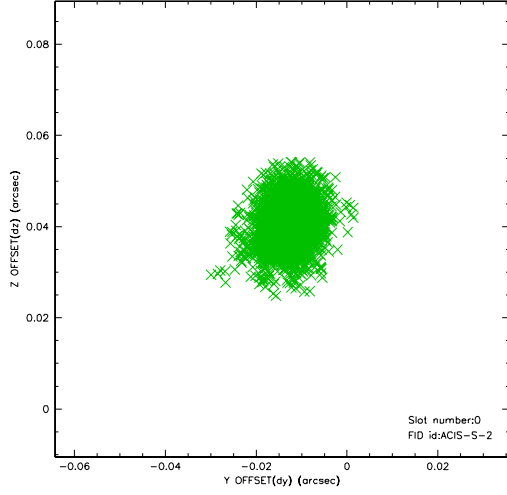


## 2.4.5 Slot 7

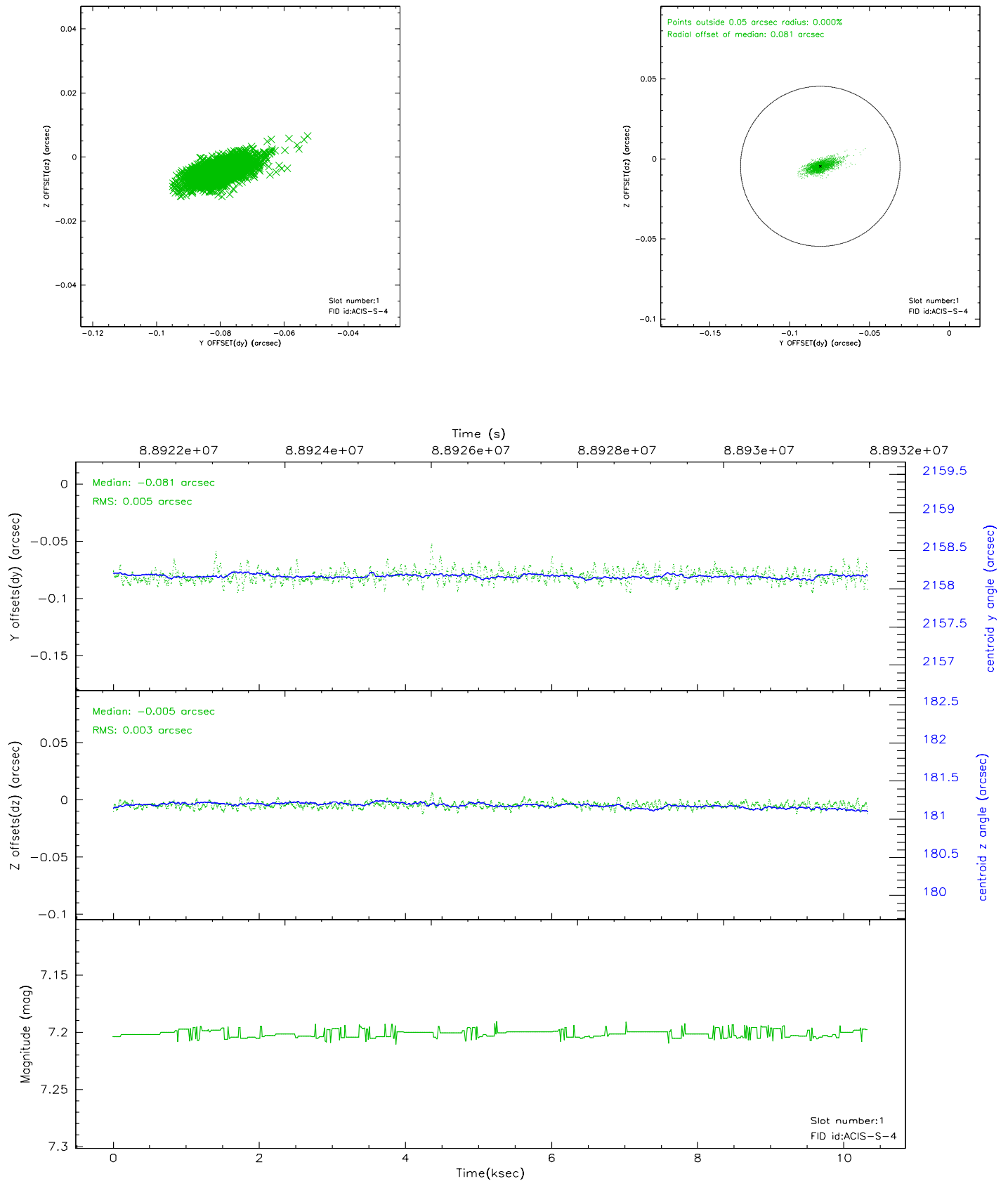


## 2.5 FID Slots

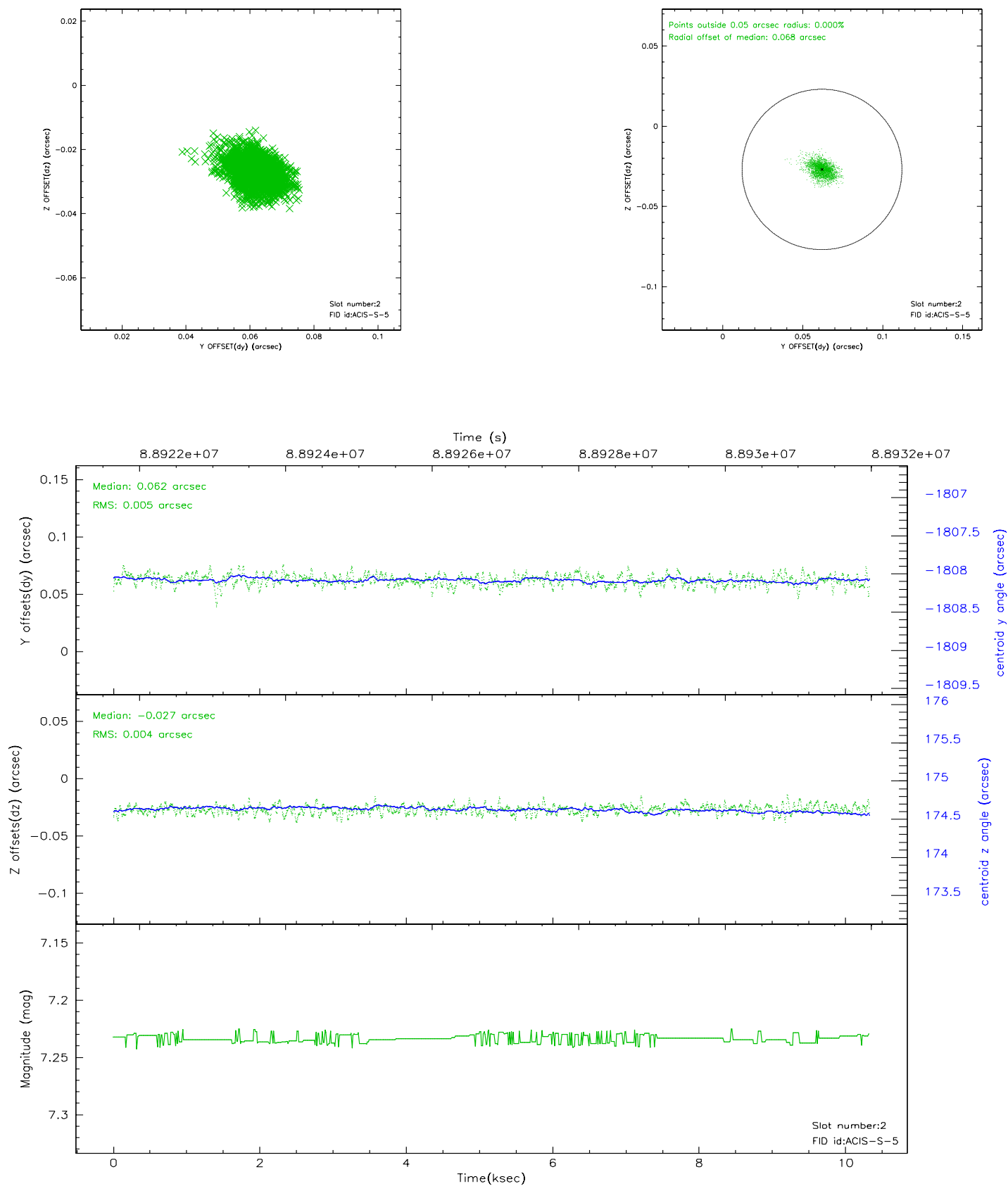
### 2.5.1 Slot 0



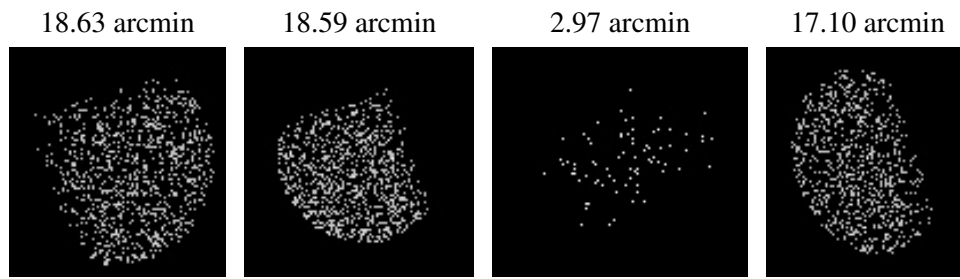
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.907

### A.2 Comments