

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1562 - L2 Version 001  
Chandra X-Ray Center

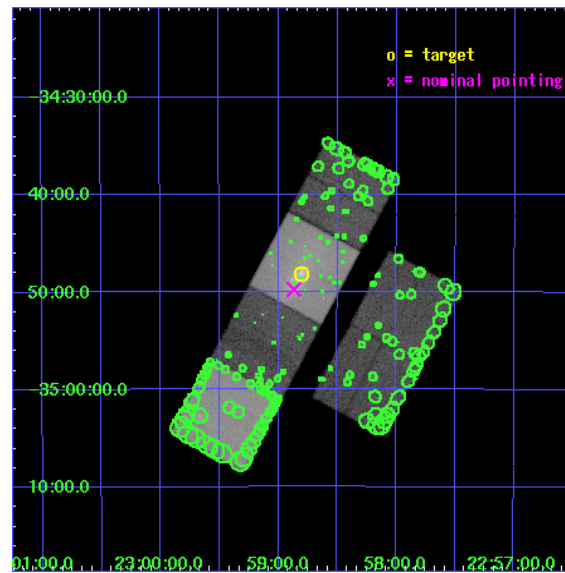
L2 Processing Date : Jun 16 2007

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# 1 Front

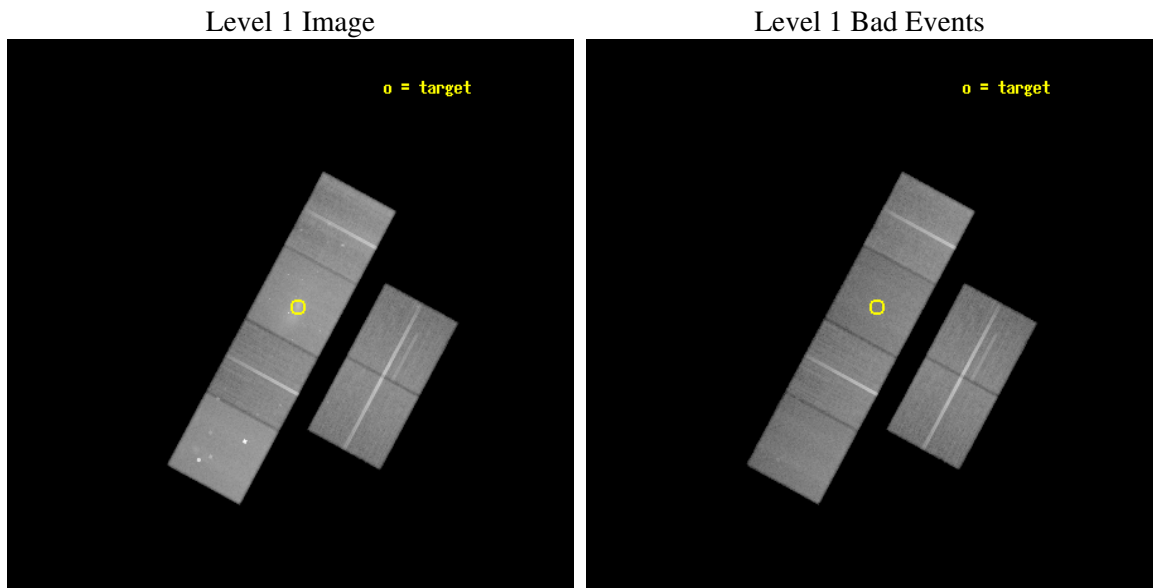
seq_num	600119
obs_id	1562
title	OBSERVE DISTAND X-RAY CLUSTER AC114
observer	Prof. Gordon Garmire
object	AC114
dtcycle	0
cycle	P
ra_targ	344.702083
dec_targ	-34.802389
ra_nom	344.7170036981
dec_nom	-34.828960187313
roll_nom	298.35096142685
revision	2
ontime	73478.400068432
livetime	72547.972323385
ontime2	73475.159048334
ontime3	73478.389005169
ontime5	73478.400068432
ontime6	73475.159078285
ontime7	73478.400068432
ontime8	73471.865905076
l2events	751665



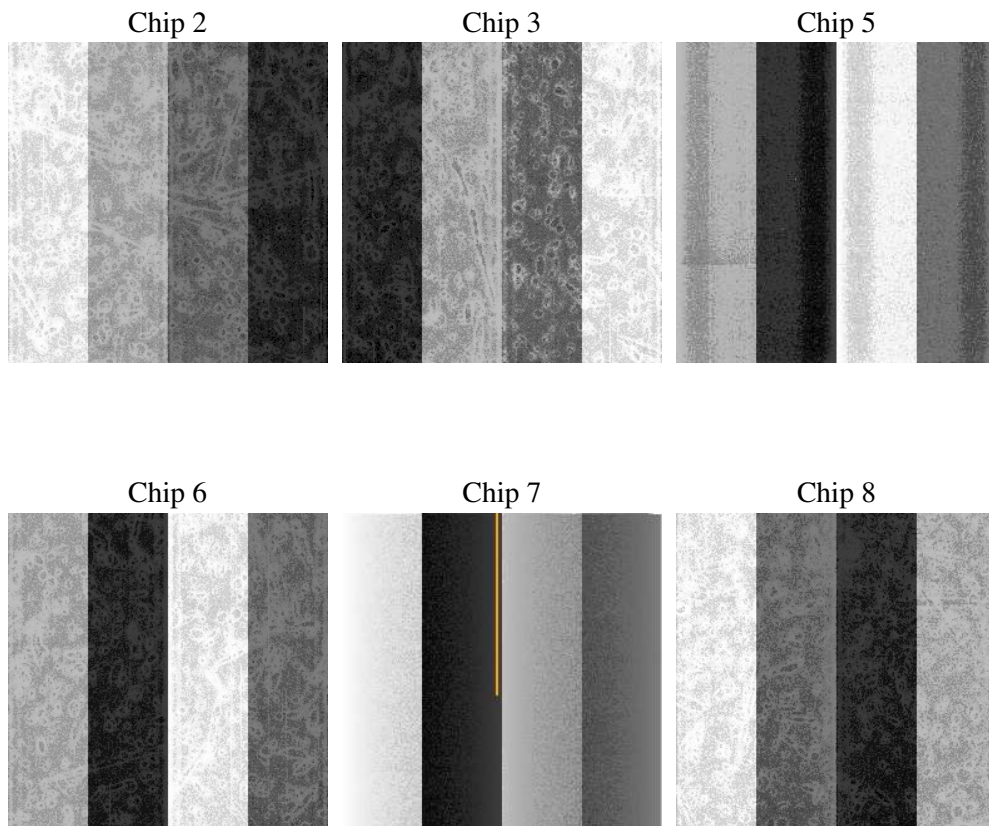
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-16T20:31:51
revision	2

sched_exp_time	73725.000000
ontime	73478.400068432
ontime2	73475.159048334
ontime3	73478.389005169
ontime5	73478.400068432
ontime6	73475.159078285
ontime7	73478.400068432
ontime8	73471.865905076
l1events	3110791

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	442453	424203	623435	446563	617710	556427
rejected events	391102	373819	324708	391701	319020	439886
rejected %	88%	88%	52%	87%	51%	79%

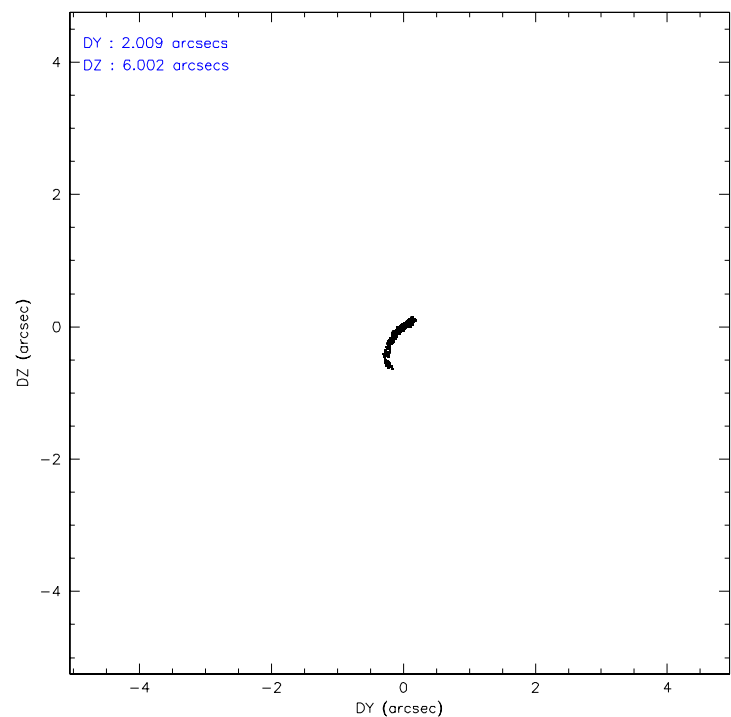
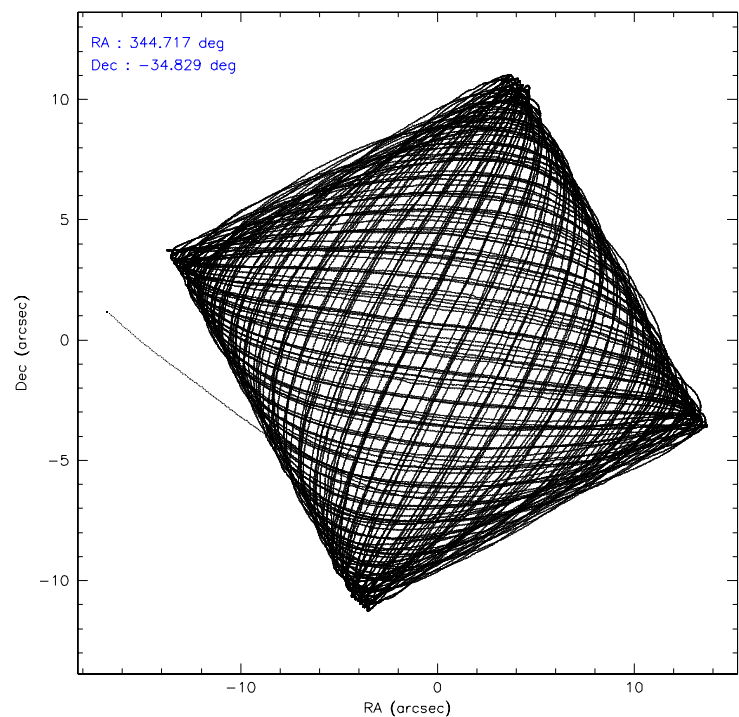
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	22488	22138	45534	24122	45931	39615
	5%	5%	7%	5%	7%	7%
grade 1 events	189	220	911	205	498	351
	0%	0%	0%	0%	0%	0%
grade 2 events	10773	9693	83141	10445	62511	24441
	2%	2%	13%	2%	10%	4%
grade 3 events	4679	4850	13245	5133	28852	12159
	1%	1%	2%	1%	4%	2%
grade 4 events	4580	4816	12943	5117	28446	11327
	1%	1%	2%	1%	4%	2%
grade 5 events	14879	16202	46956	18099	53093	22829
	3%	3%	7%	4%	8%	4%
grade 6 events	8832	8891	143878	10048	132960	29004
	1%	2%	23%	2%	21%	5%
grade 7 events	376033	357393	276827	373394	265419	416701
	84%	84%	44%	83%	42%	74%

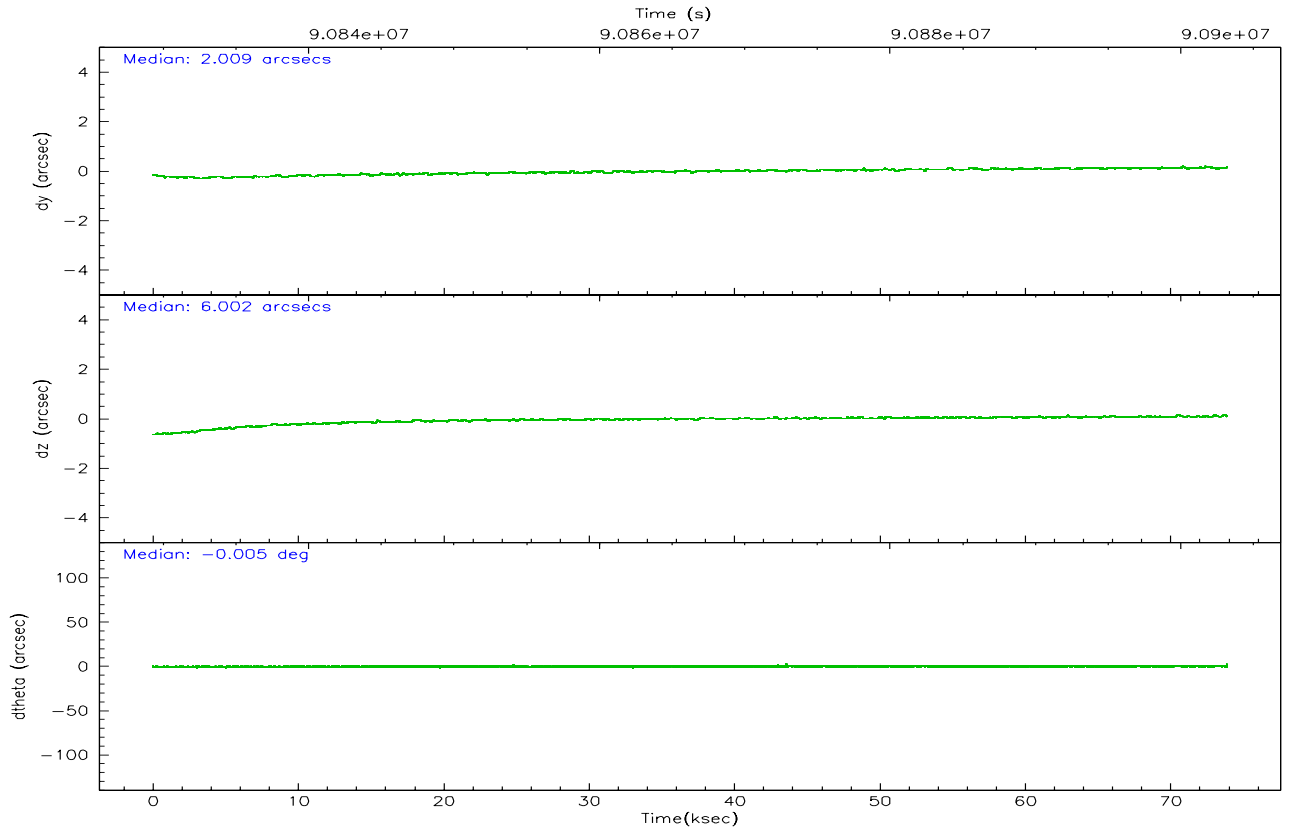
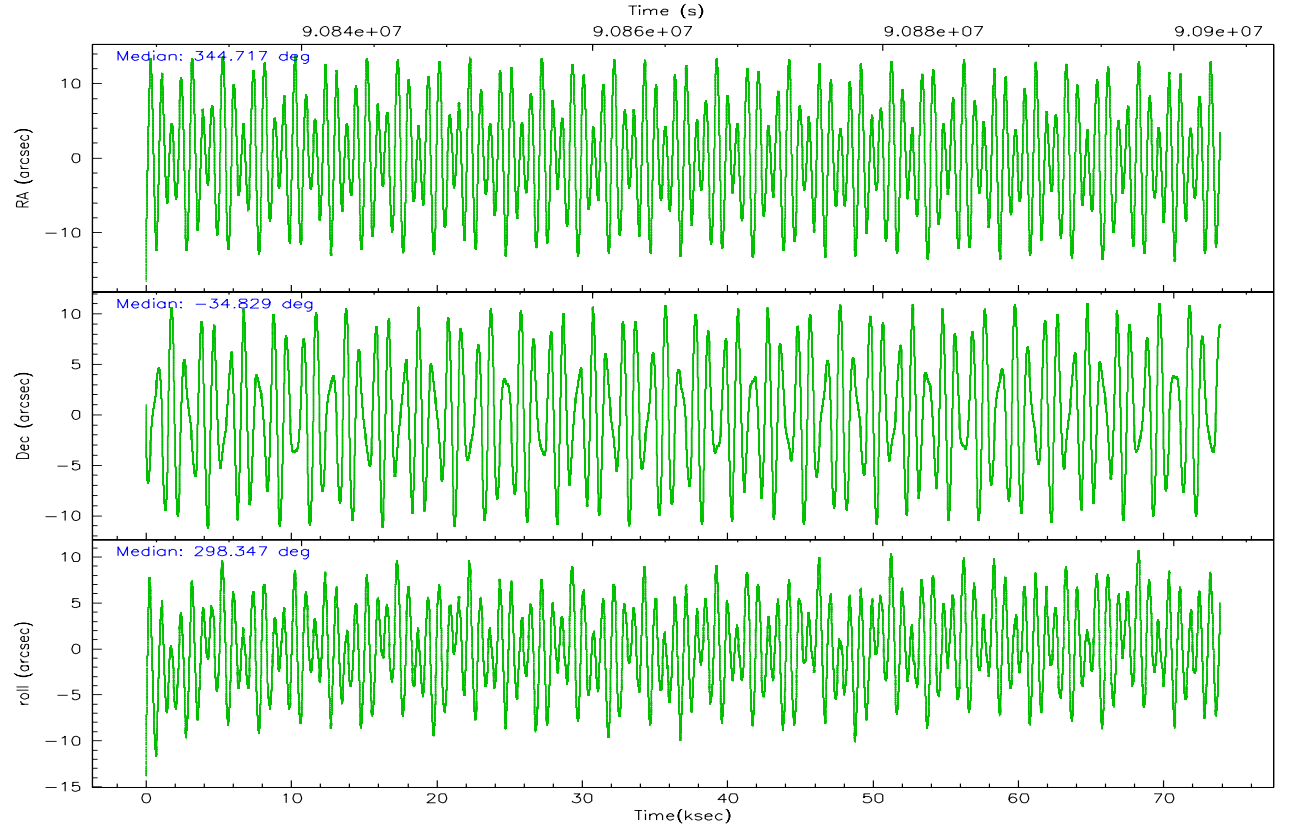


## 2.2 Compared Parameters

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	344.688519	344.7170036980982	Subarray requested	NONE	NONE
Pointing Dec	-34.814790	-34.82896018731348	Alternating exposures requested	N	N
Pointing Roll	298.178072	298.3509614268518	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	90829454.184000	90828276.365989			
Observation start date	2000-11-17T06:23:10	2000-11-17T06:04:36			
Observation end time	90903179.184000	90903582.09386399			
Observation end date	2000-11-18T02:51:55	2000-11-18T02:59:42			
Read mode	TIMED	TIMED			

2.3 Aspect



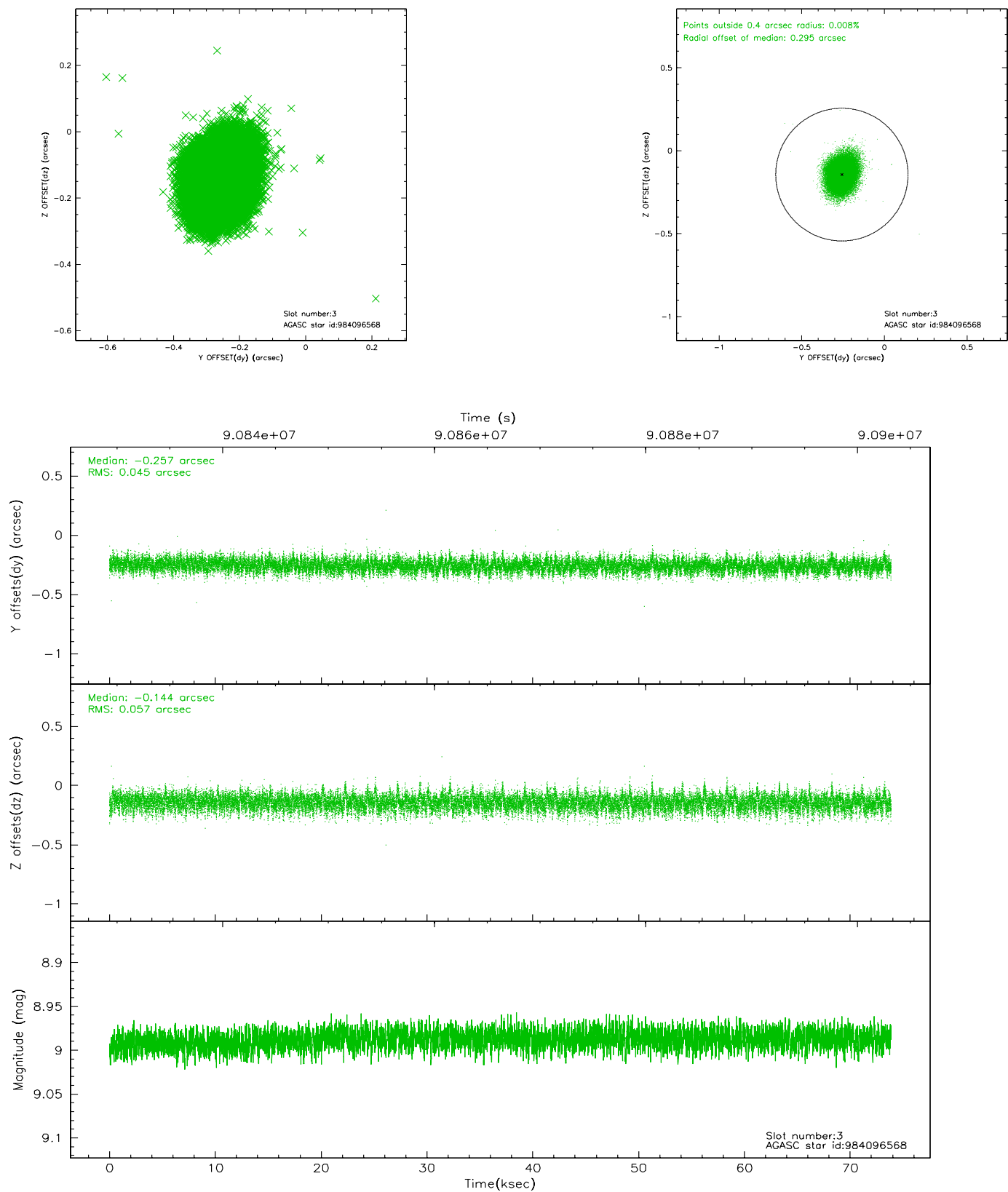


### Slot Statistics

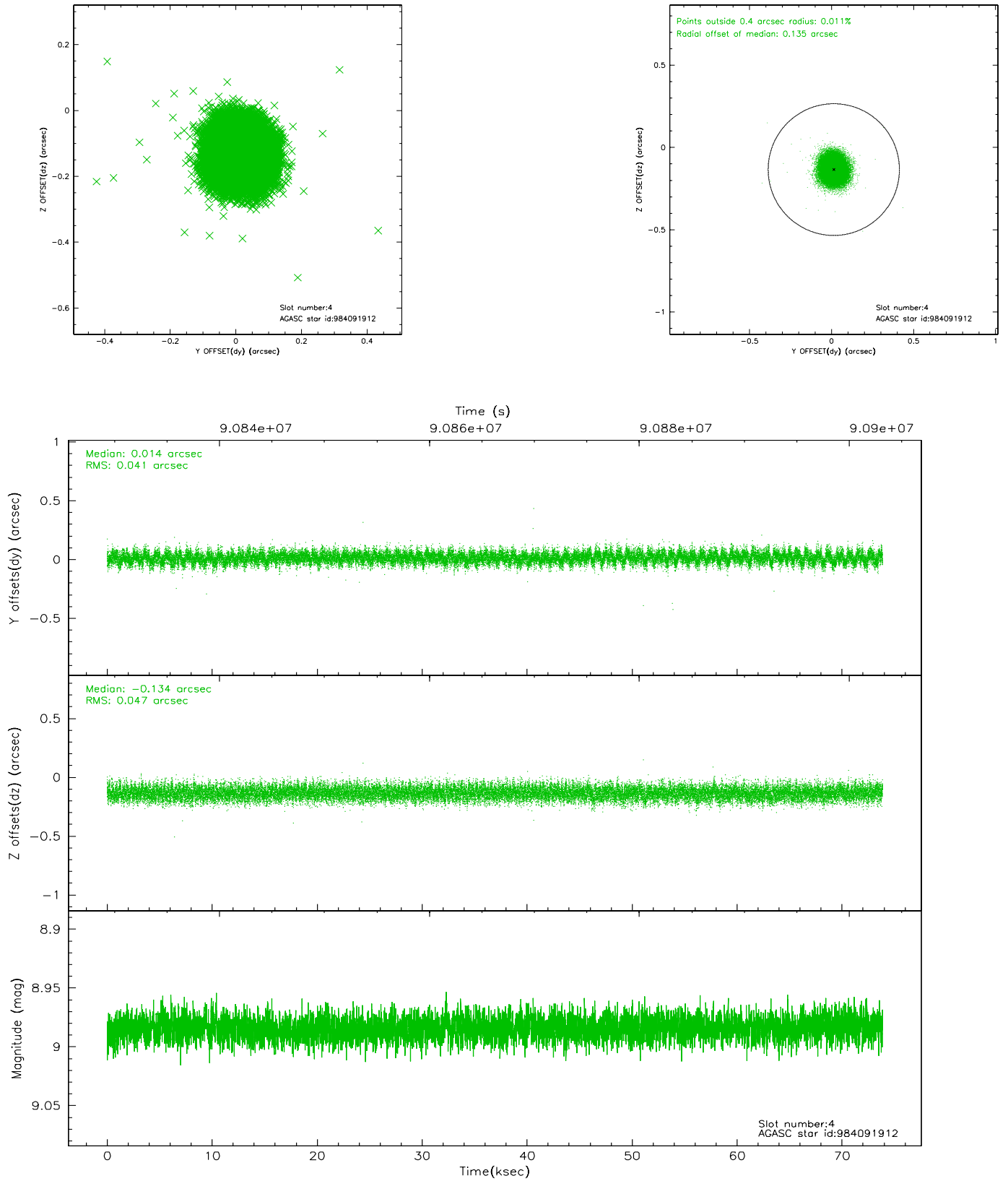
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	18019	-0.033	0.023	0.007	0.012	0.000000	0.000000	-754.61	-1727.07
1	FID	ACIS-S-4	7.21	18017	-0.050	0.010	0.005	0.010	0.000000	0.000000	2158.65	181.51
2	FID	ACIS-S-5	7.23	18019	0.052	-0.024	0.006	0.011	0.000000	0.000000	-1807.47	175.01
3	GUIDE	984096568	8.99	36027	-0.257	-0.144	0.076	0.126	343.646560	-34.564341	-2238.64	-2304.57
4	GUIDE	984091912	8.98	36029	0.014	-0.134	0.067	0.107	344.154530	-34.787136	-828.71	-1346.47
5	GUIDE	984097248	8.94	36026	0.102	-0.023	0.063	0.104	344.461537	-34.998494	268.52	-902.30
6	GUIDE	984096248	9.26	36026	-0.037	0.095	0.083	0.137	344.405727	-34.683941	-808.65	-515.61
7	GUIDE	984618928	9.32	36025	0.179	0.201	0.086	0.142	345.338898	-35.095891	1803.30	1208.71

## 2.4 Star Slots

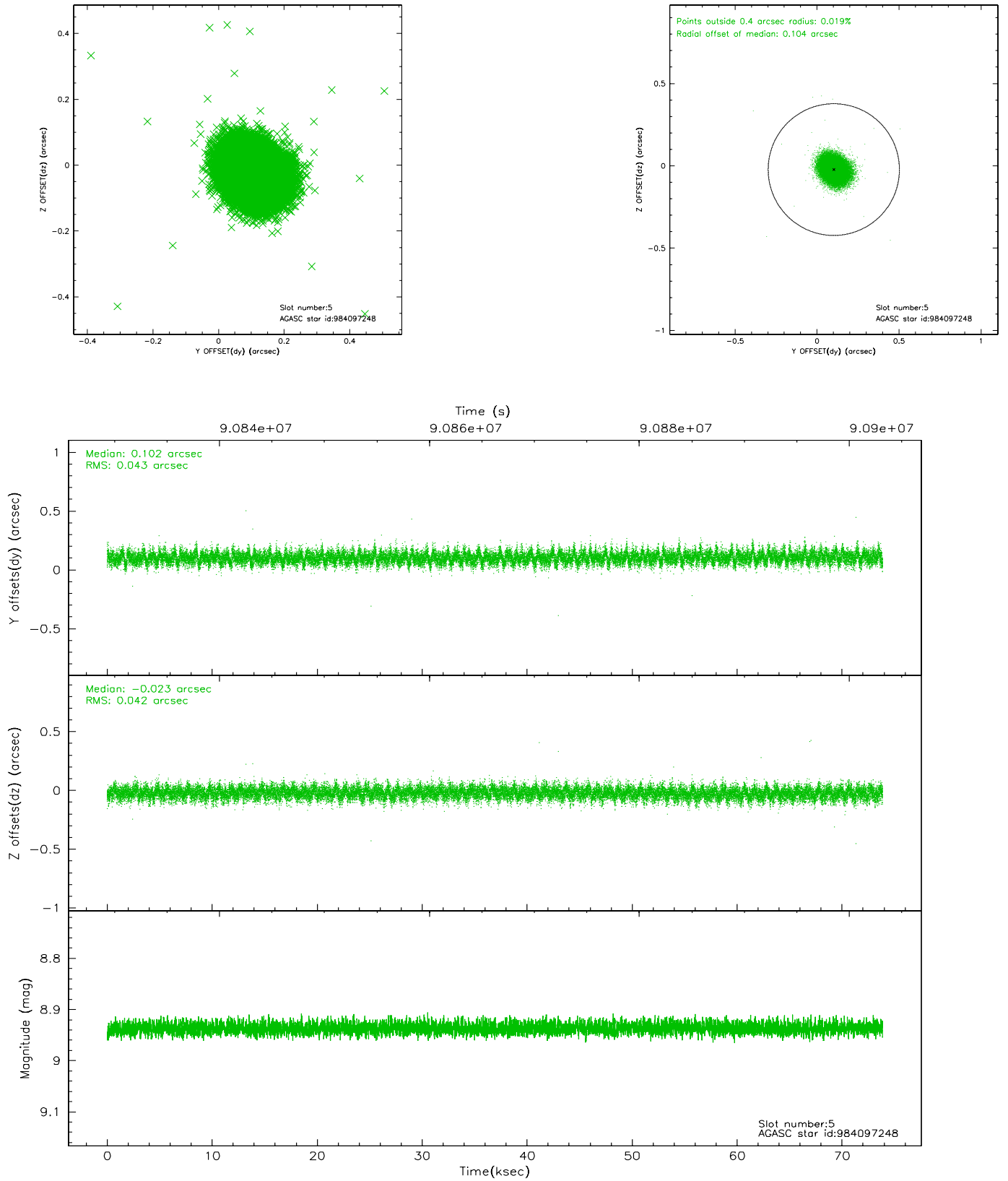
### 2.4.1 Slot 3



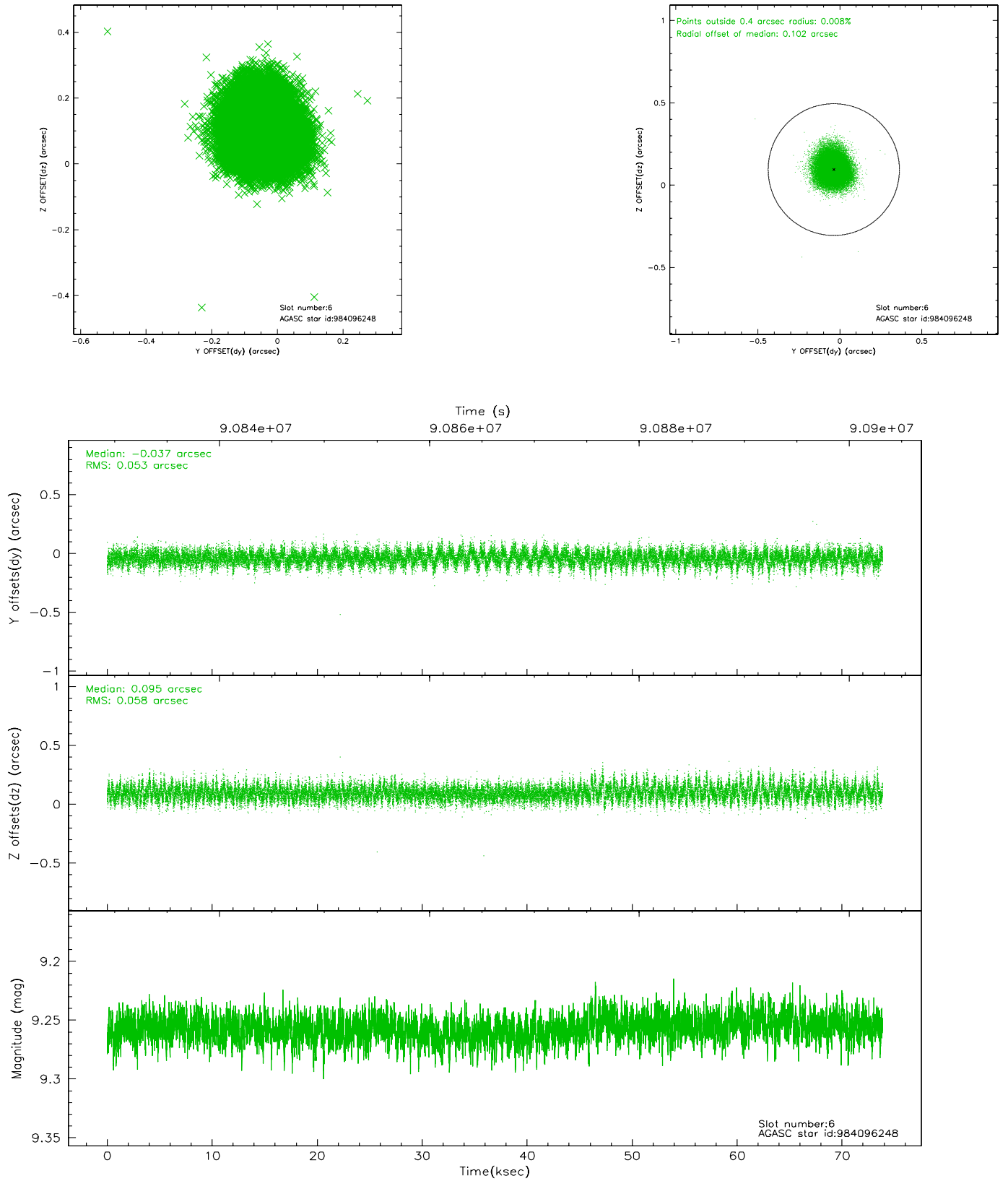
## 2.4.2 Slot 4



### 2.4.3 Slot 5

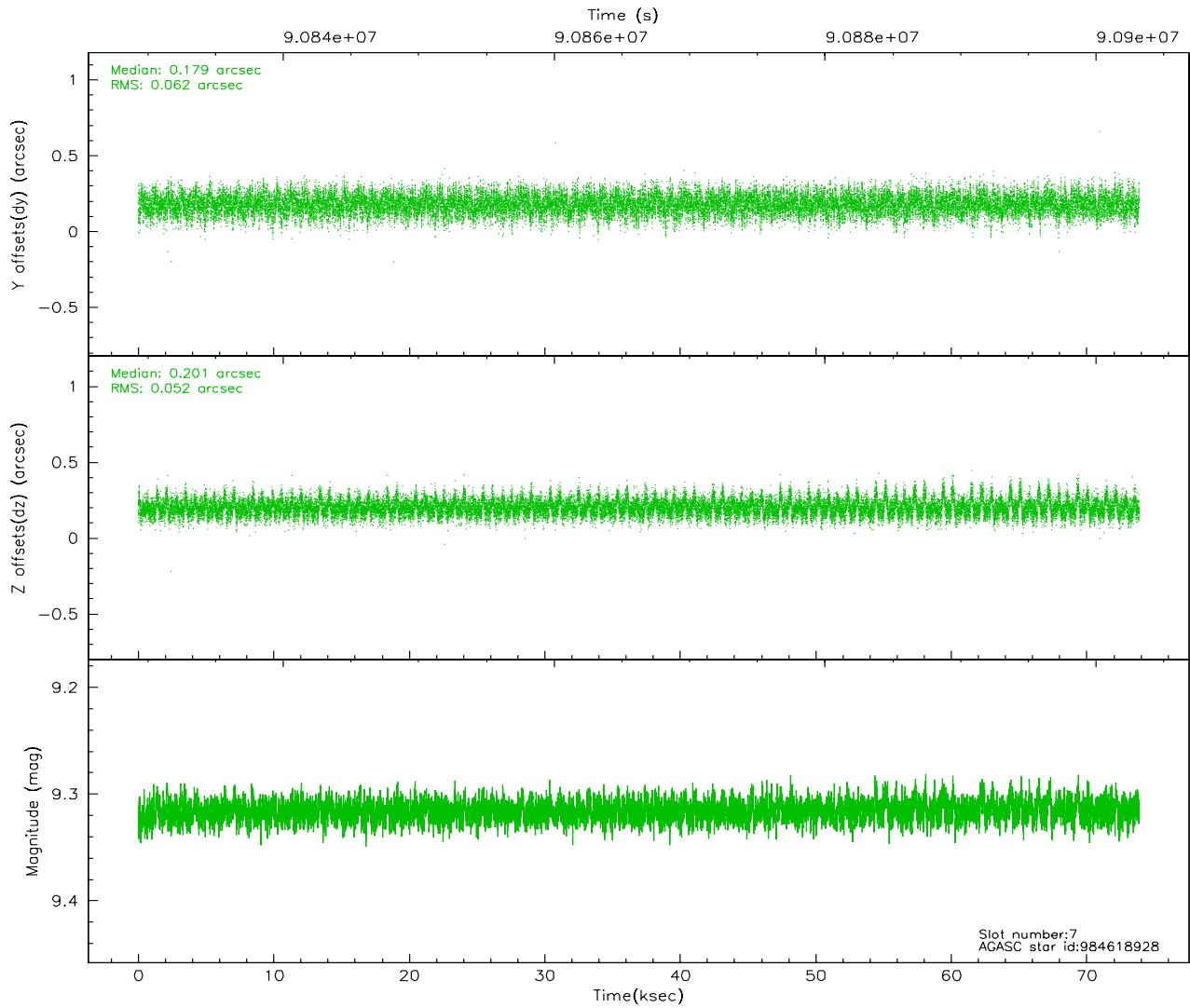
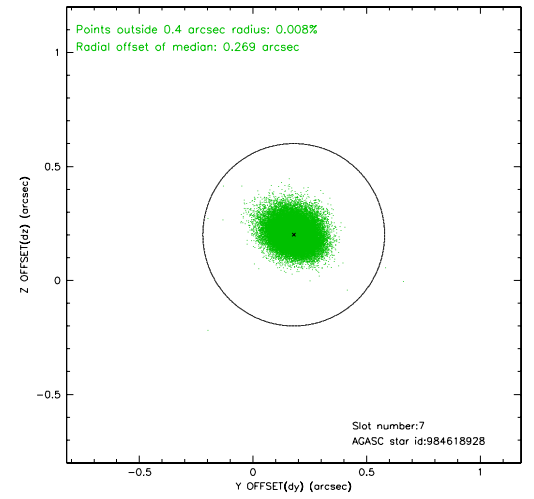
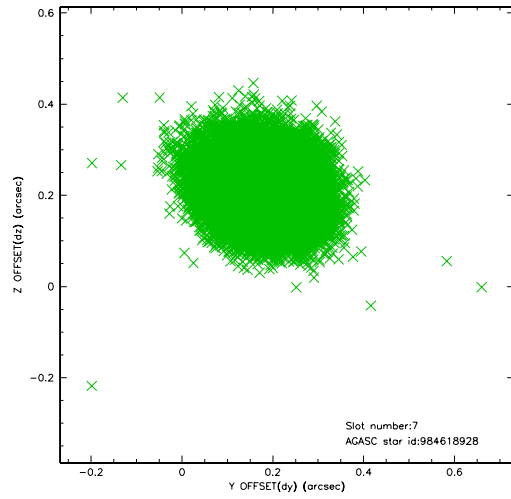


## 2.4.4 Slot 6



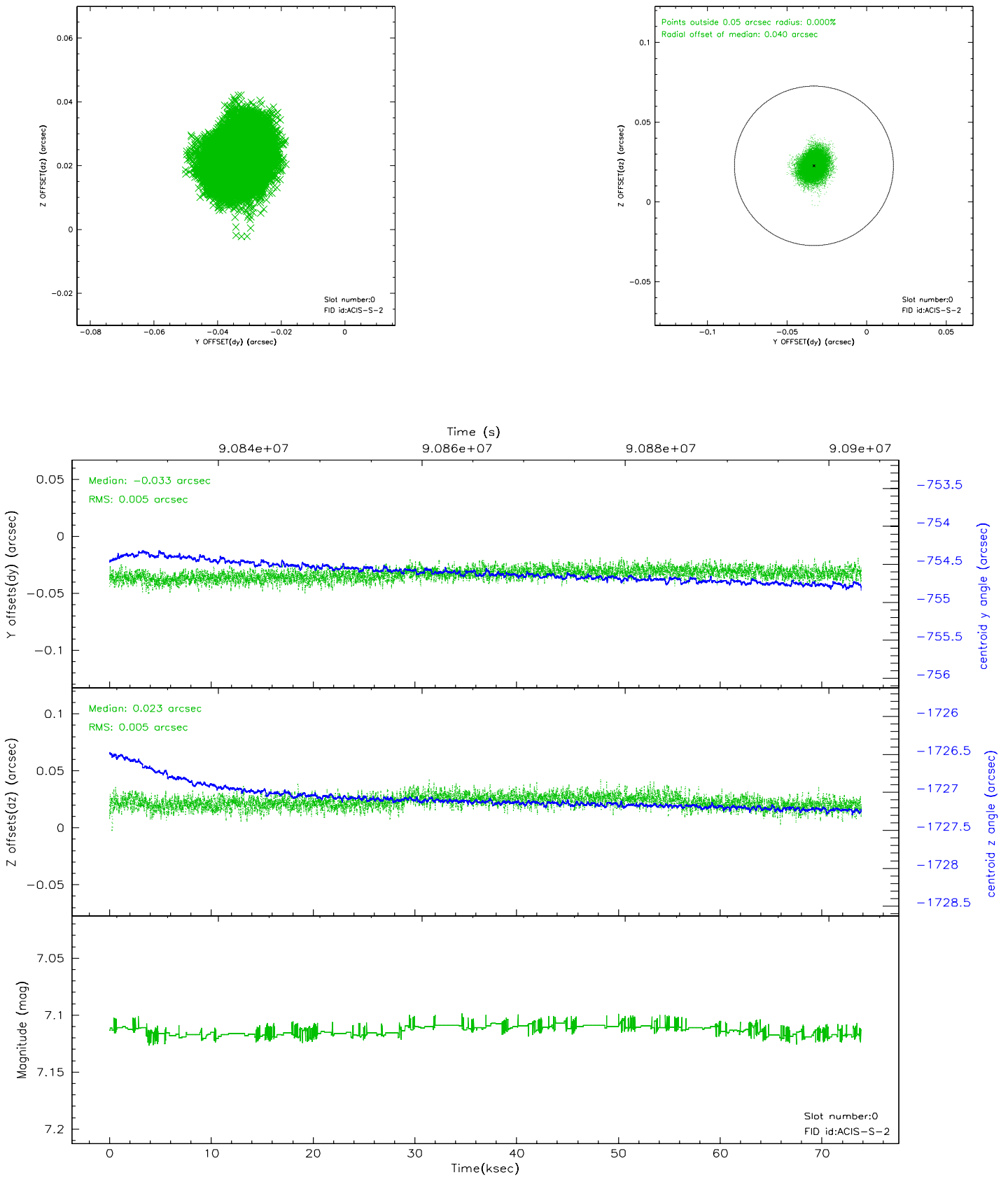


## 2.4.5 Slot 7

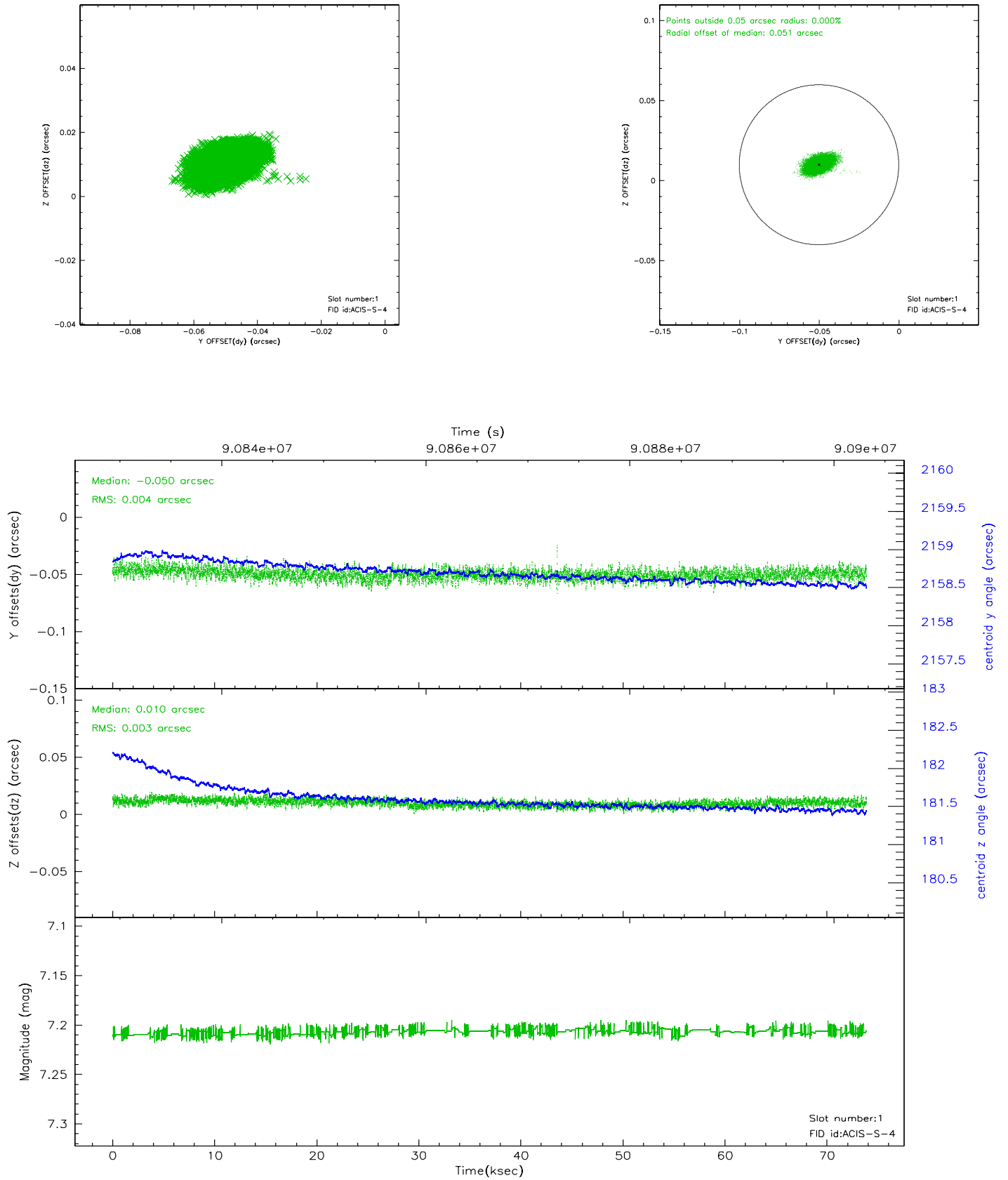


## 2.5 FID Slots

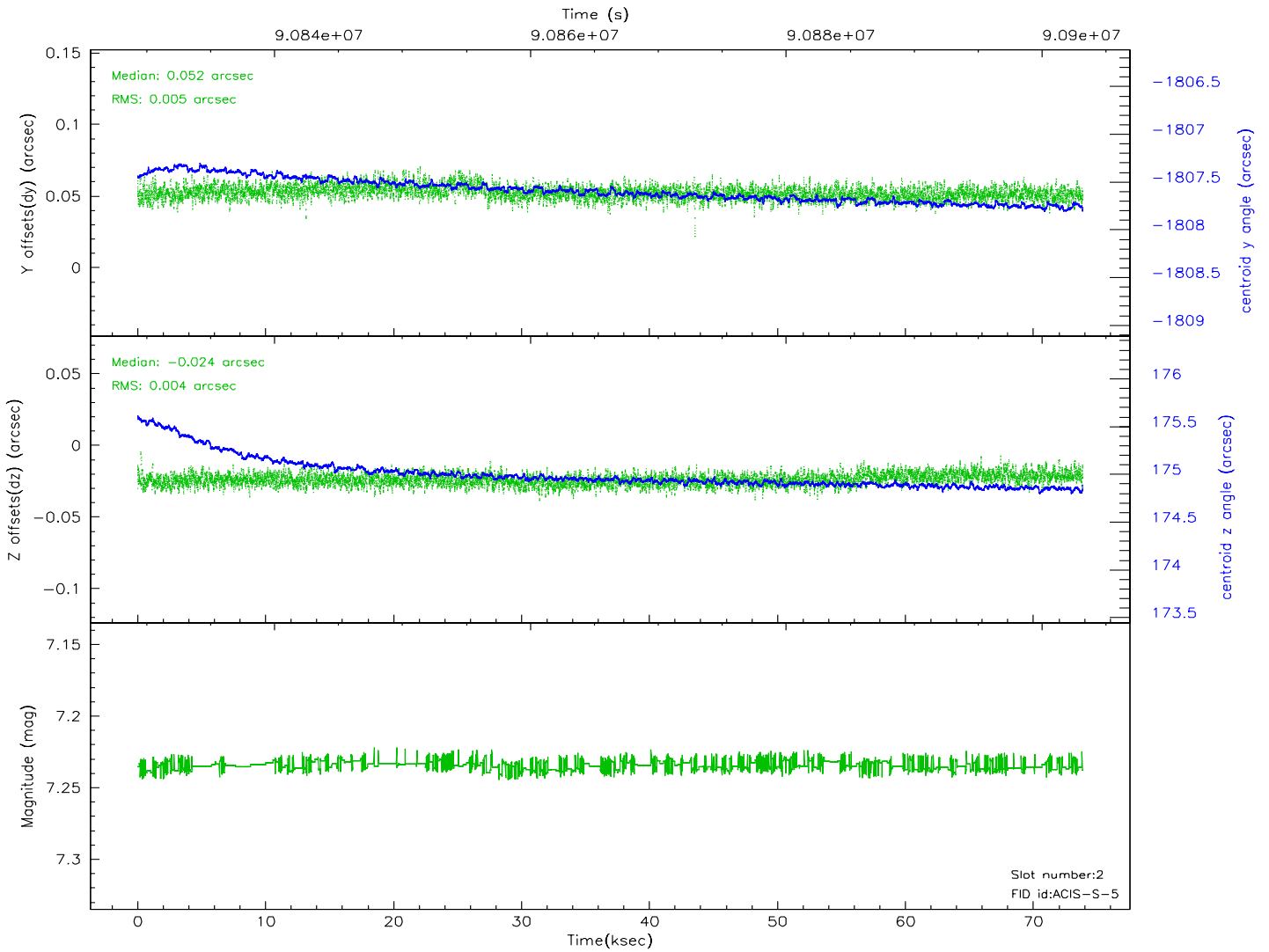
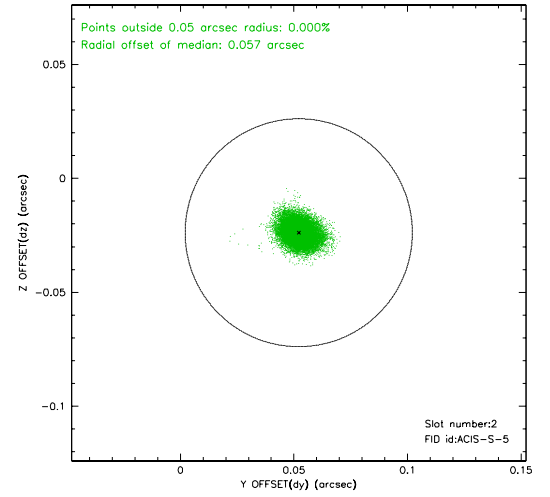
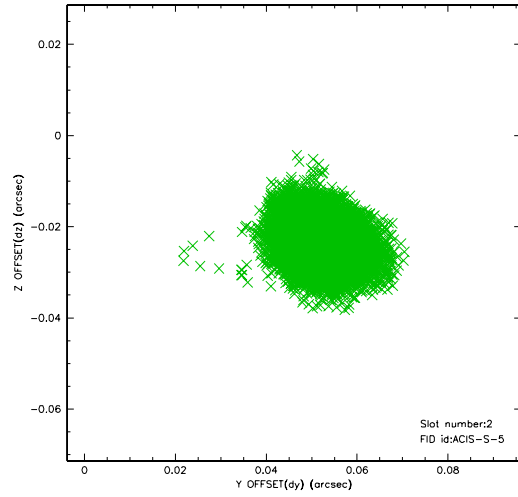
### 2.5.1 Slot 0



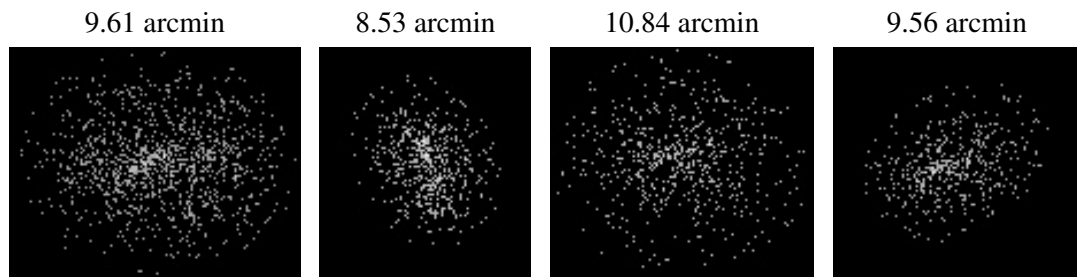
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	73.478

### A.2 Comments