

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2948 - L2 Version 001  
Chandra X-Ray Center

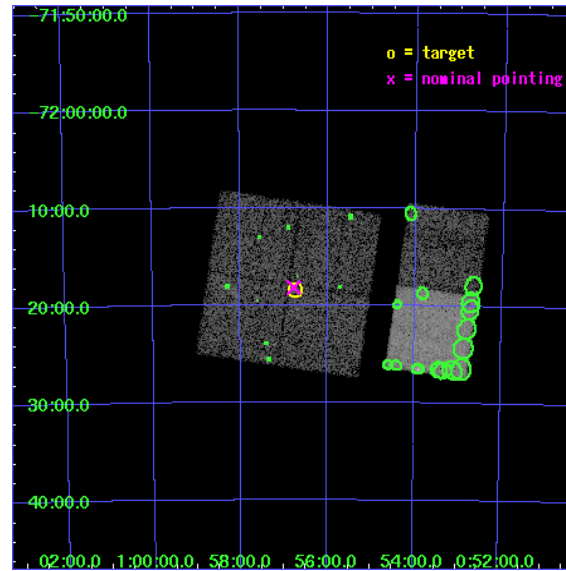
L2 Processing Date : Sep 21 2006

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# 1 Front

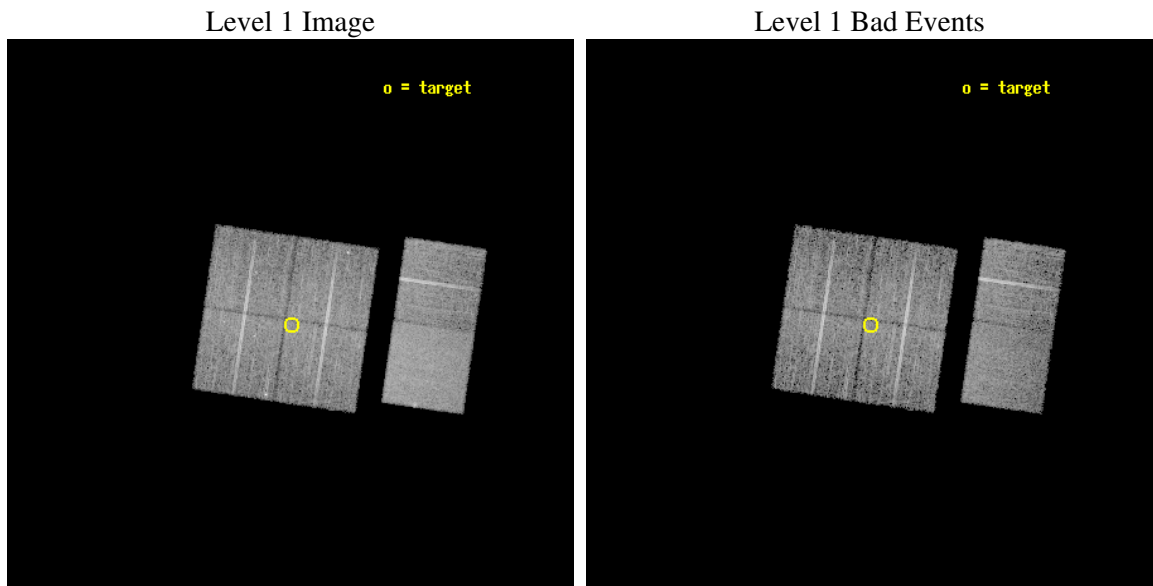
seq_num	600285
obs_id	2948
title	A CHANDRA SURVEY OF THE SMC
observer	Dr. Andreas Zezas
object	SMC FIELD 3
dtcycle	0
cycle	P
ra_targ	14.188333
dec_targ	-72.3075
ra_nom	14.192230250749
dec_nom	-72.302993009685
roll_nom	98.368241963811
revision	2
ontime	9404.7999649644
livetime	9285.7107249173
ontime0	9404.7999649644
ontime1	9404.7999649644
ontime2	9404.7999649644
ontime3	9404.7999649644
ontime6	9404.7999649644
ontime7	9404.7999649644
l2events	65792



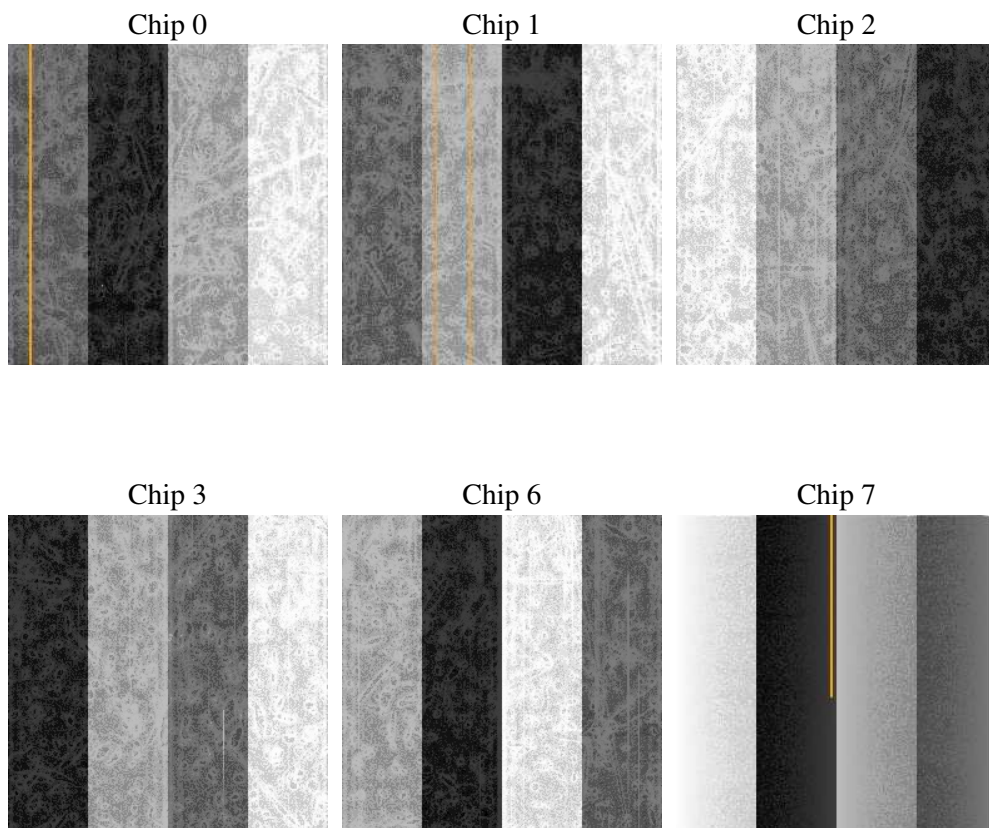
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-21T09:11:43
revision	2

sched_exp_time	9650.000000
ontime	9408.6266358197
ontime0	9408.6266358197
ontime1	9408.6266358197
ontime2	9408.6266358197
ontime3	9408.6266358197
ontime6	9408.6266358197
ontime7	9408.6266358197
l1events	392243

### 2.1.4 Events

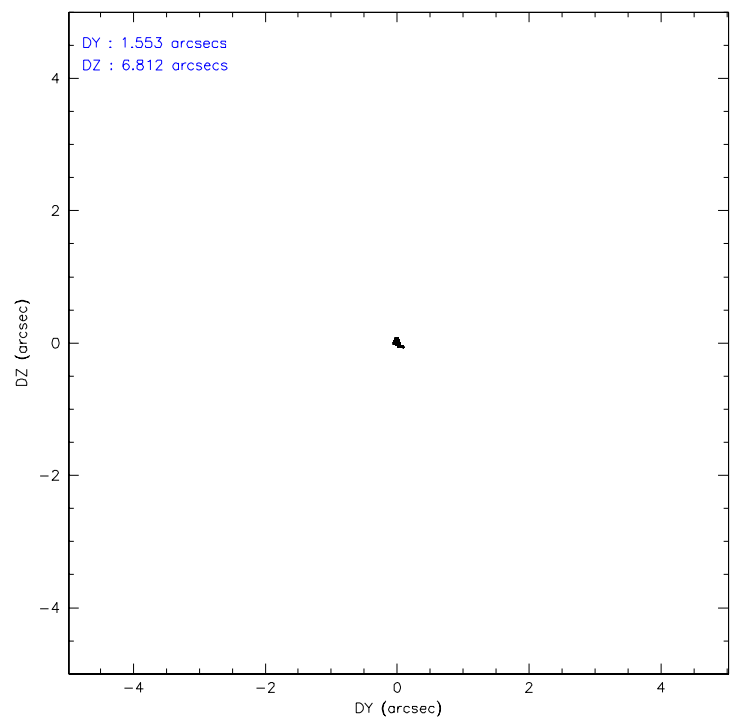
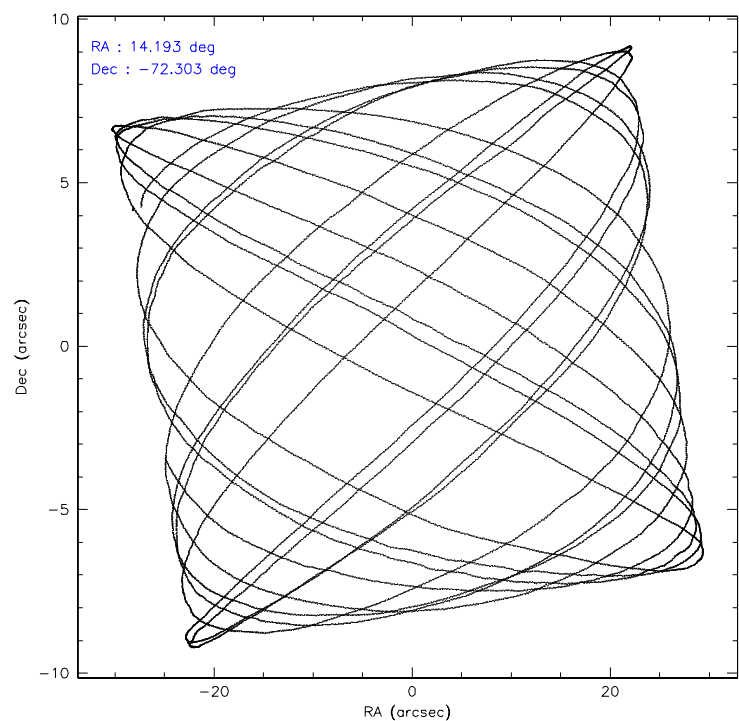
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58422	61774	62584	62346	63262	83855
rejected events	50526	52944	54802	54860	55897	51304
rejected %	86%	85%	87%	87%	88%	61%

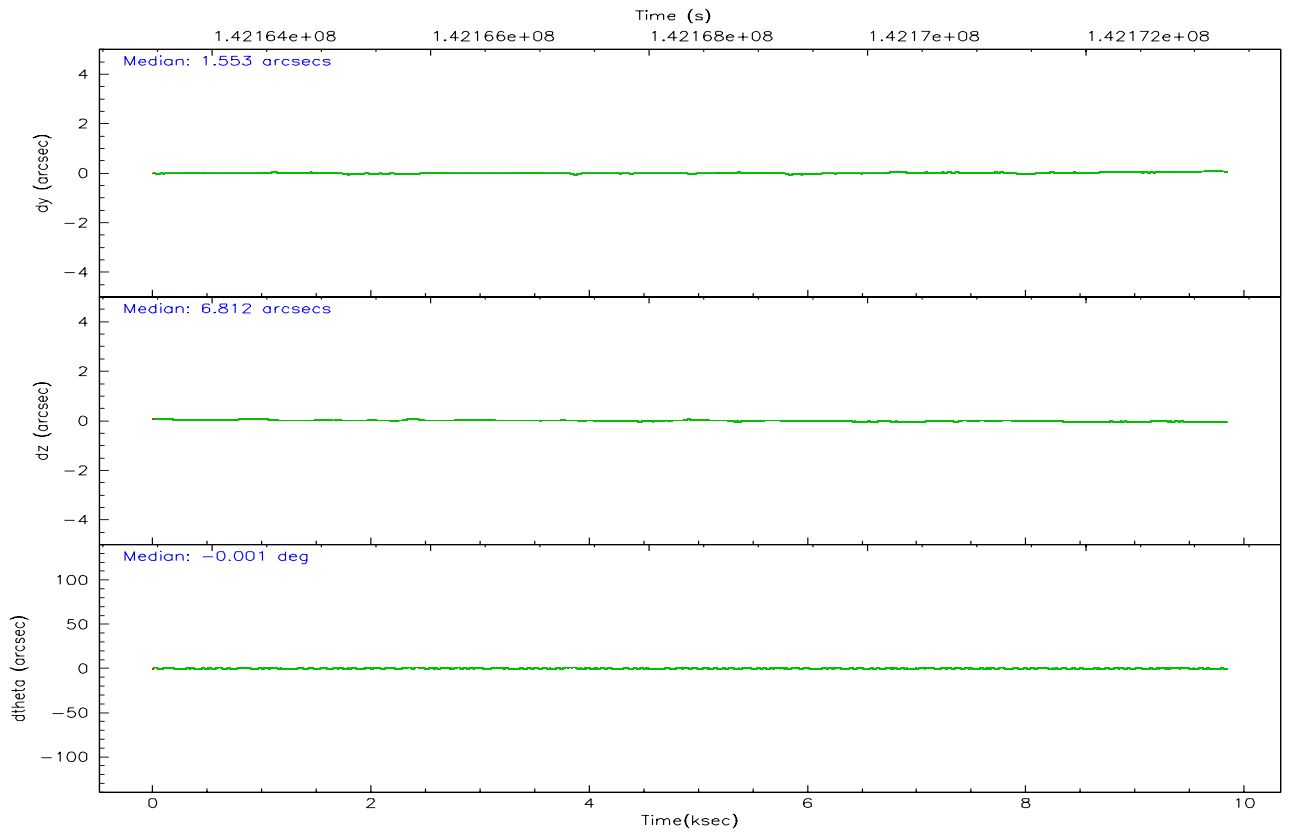
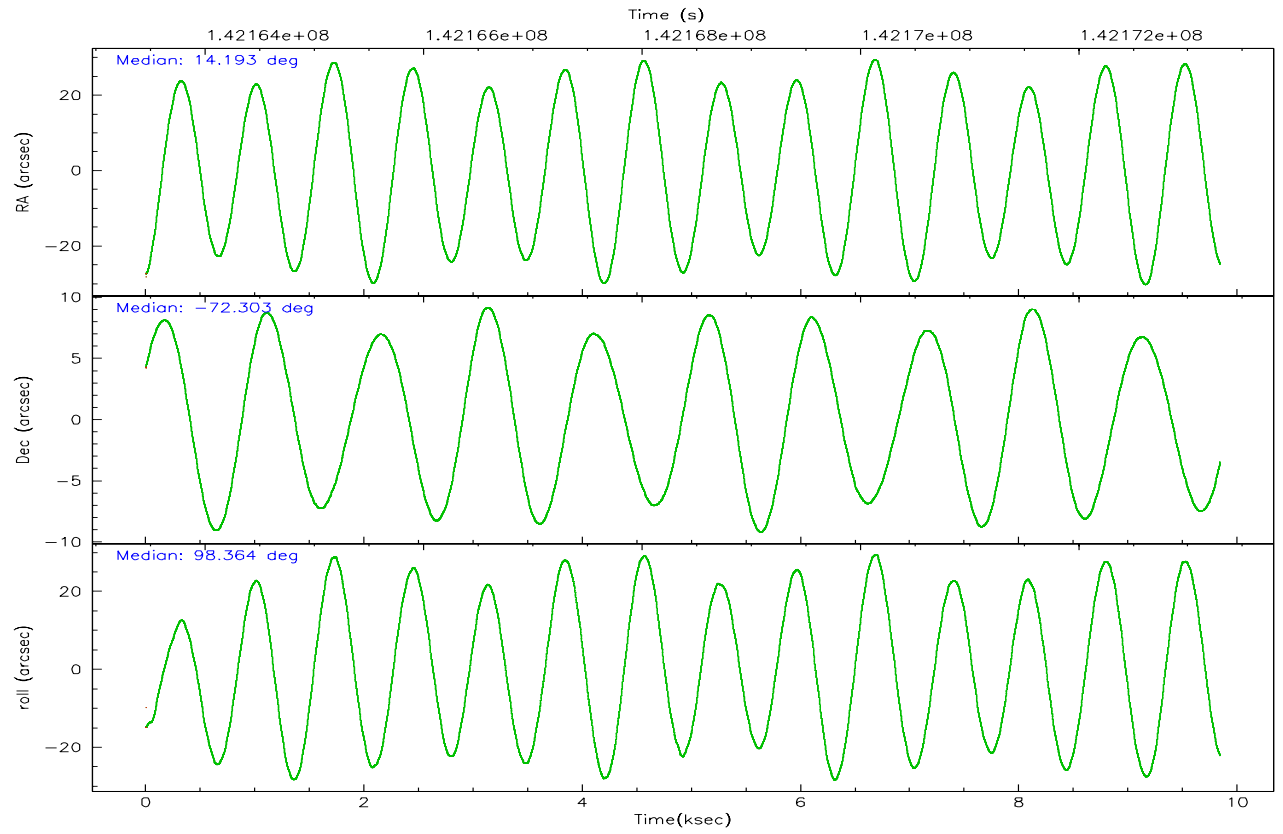
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3420	3960	3537	3283	2904	2151
	5%	6%	5%	5%	4%	2%
grade 1 events	30	33	26	26	31	41
	0%	0%	0%	0%	0%	0%
grade 2 events	1665	1745	1643	1536	1564	7999
	2%	2%	2%	2%	2%	9%
grade 3 events	731	837	643	667	741	1739
	1%	1%	1%	1%	1%	2%
grade 4 events	713	797	655	659	732	1704
	1%	1%	1%	1%	1%	2%
grade 5 events	2391	2649	2284	2547	2782	5600
	4%	4%	3%	4%	4%	6%
grade 6 events	1368	1494	1308	1352	1428	18976
	2%	2%	2%	2%	2%	22%
grade 7 events	48104	50259	52488	52276	53080	45645
	82%	81%	83%	83%	83%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	14.248472	14.19223025074895	Subarray requested	NONE	NONE
Pointing Dec	-72.324403	-72.3029930096852	Alternating exposures requested	N	N
Pointing Roll	98.213138	98.36824196381068	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	142163653.184000	142163277.03354			
Observation start date	2002-07-04T09:53:09	2002-07-04T09:47:57			
Observation end time	142173303.184000	142173944.20898			
Observation end date	2002-07-04T12:33:59	2002-07-04T12:45:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect





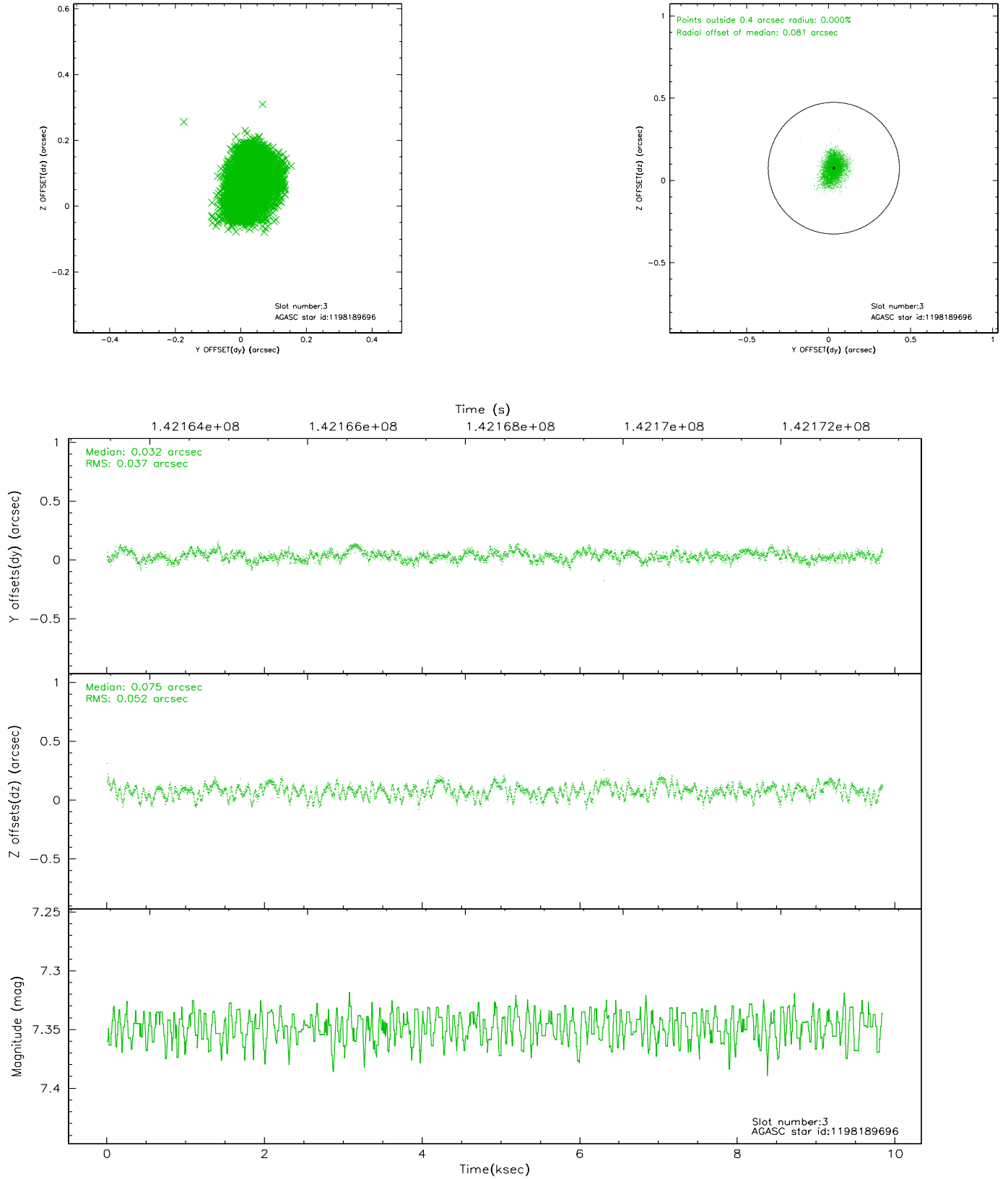
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	2401	-0.017	0.035	0.006	0.010	0.000000	0.000000	938.24	-830.19
1	FID	ACIS-I-5	7.23	2400	-0.038	0.041	0.006	0.010	0.000000	0.000000	-1809.54	1067.10
2	FID	ACIS-I-6	7.26	2400	-0.036	-0.006	0.007	0.011	0.000000	0.000000	403.23	1712.12
3	GUIDE	1198189696	7.35	4800	0.032	0.075	0.069	0.110	15.223750	-72.697522	-1486.64	-839.29
4	GUIDE	1197884712	8.32	4801	0.040	0.084	0.071	0.112	16.087398	-72.252690	-63.05	-2028.32
5	GUIDE	1197751048	8.58	4799	-0.086	-0.063	0.087	0.137	12.451586	-72.130600	944.78	1869.67
6	GUIDE	1198192408	9.43	4740	0.069	-0.053	0.082	0.134	12.860639	-72.678863	-1067.11	1658.24
7	GUIDE	1197750160	10.26	4786	-0.046	-0.040	0.159	0.257	12.997994	-71.773722	2148.74	1114.11

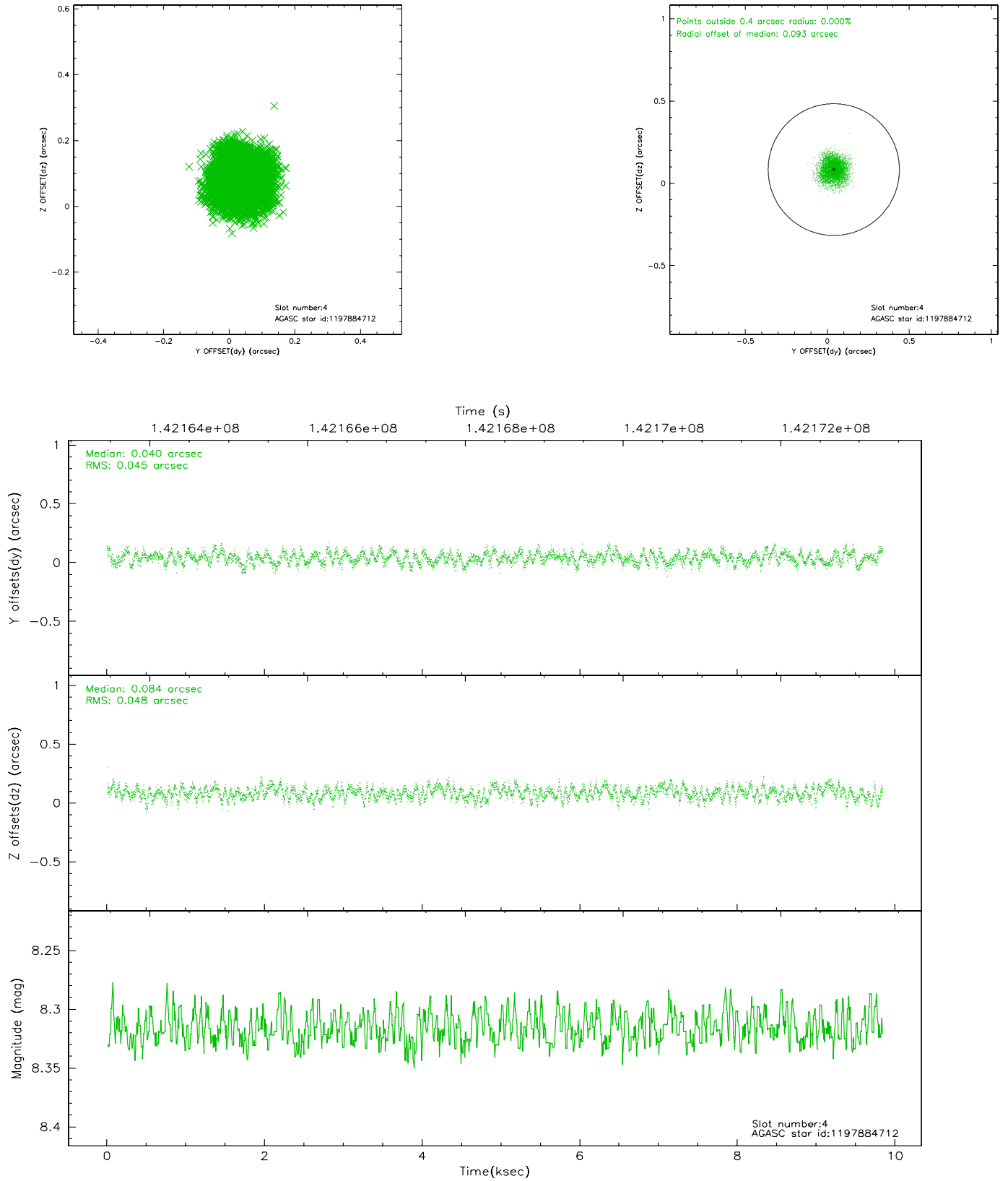


## 2.4 Star Slots

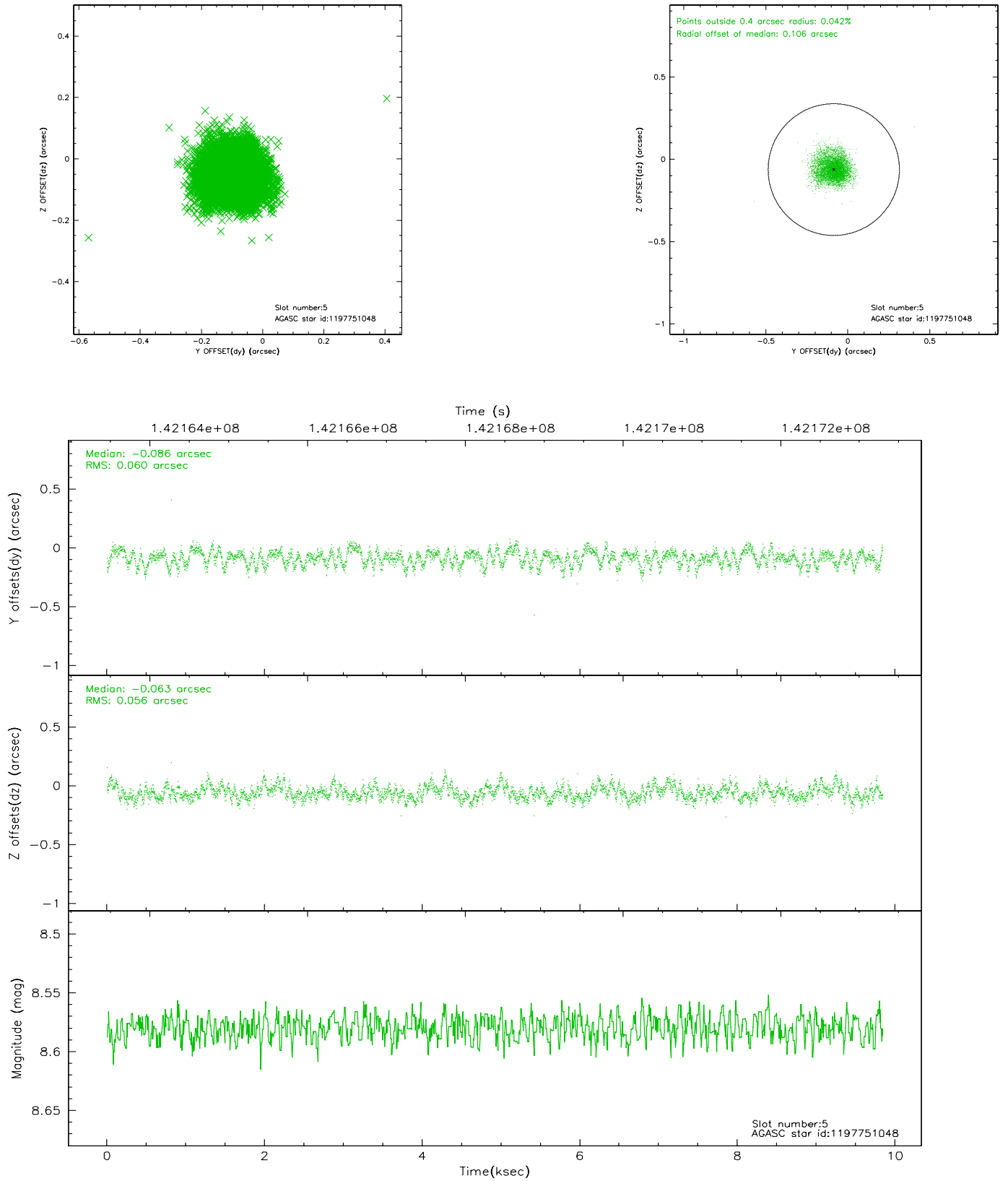
### 2.4.1 Slot 3



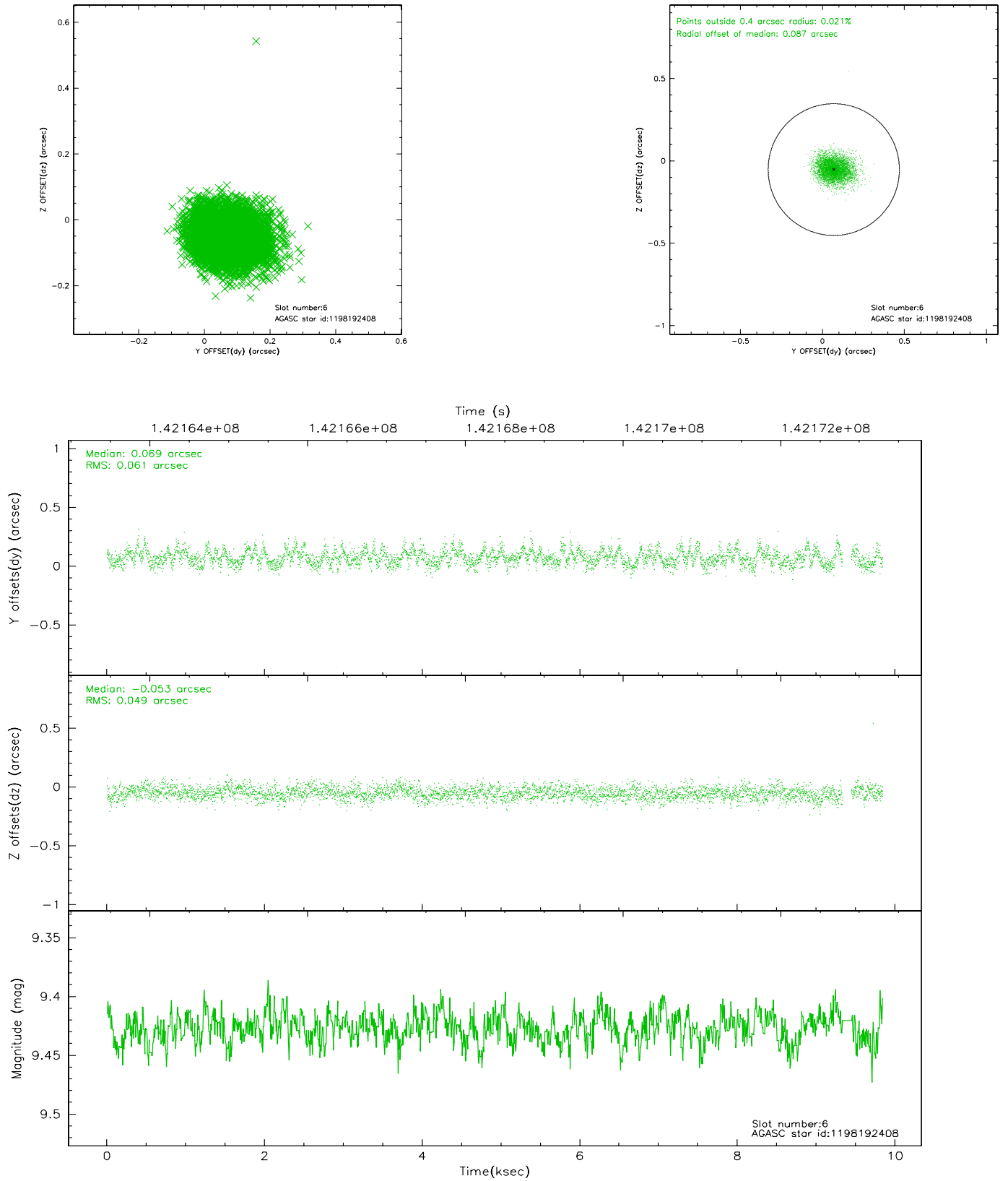
## 2.4.2 Slot 4



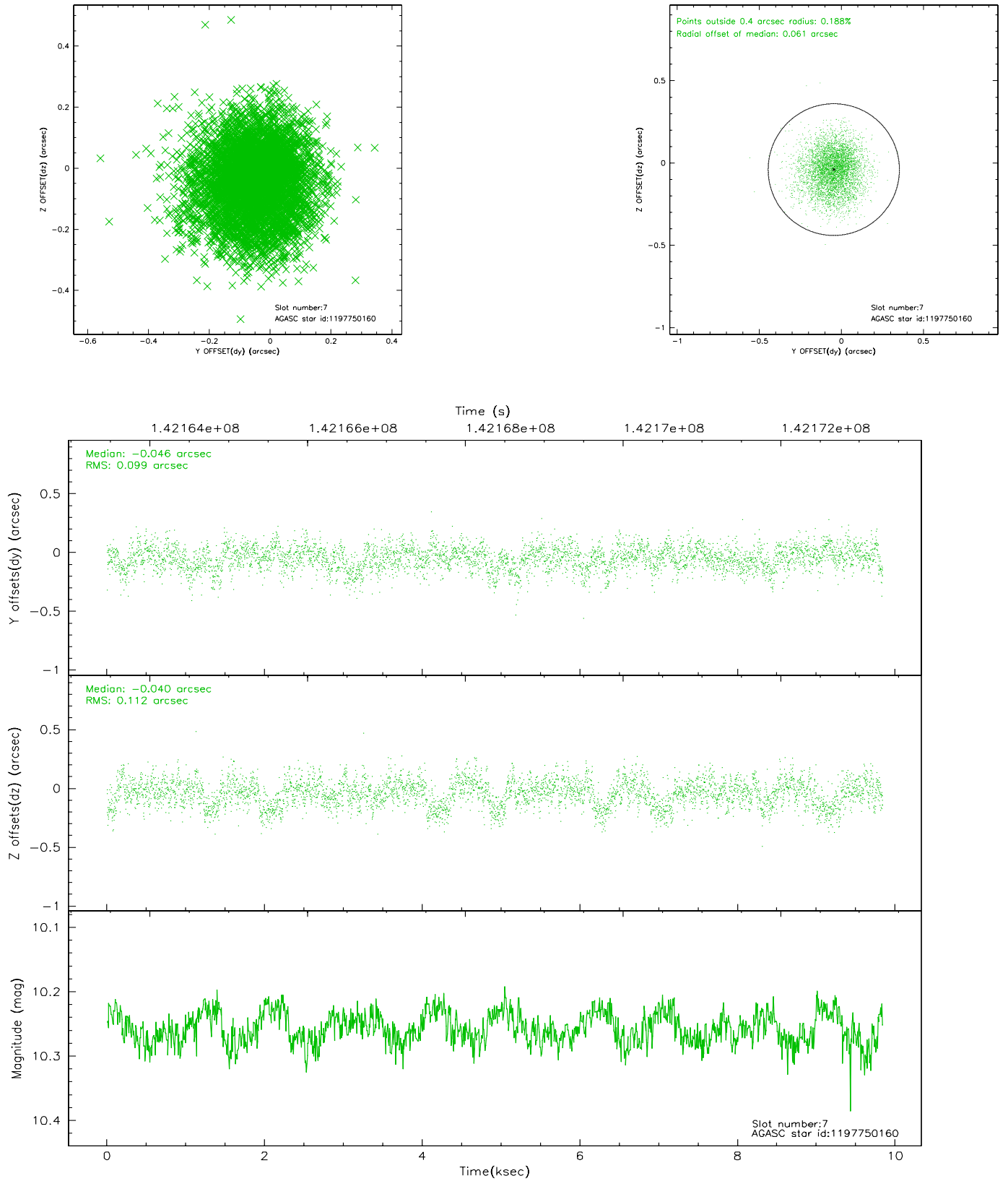
### 2.4.3 Slot 5



## 2.4.4 Slot 6

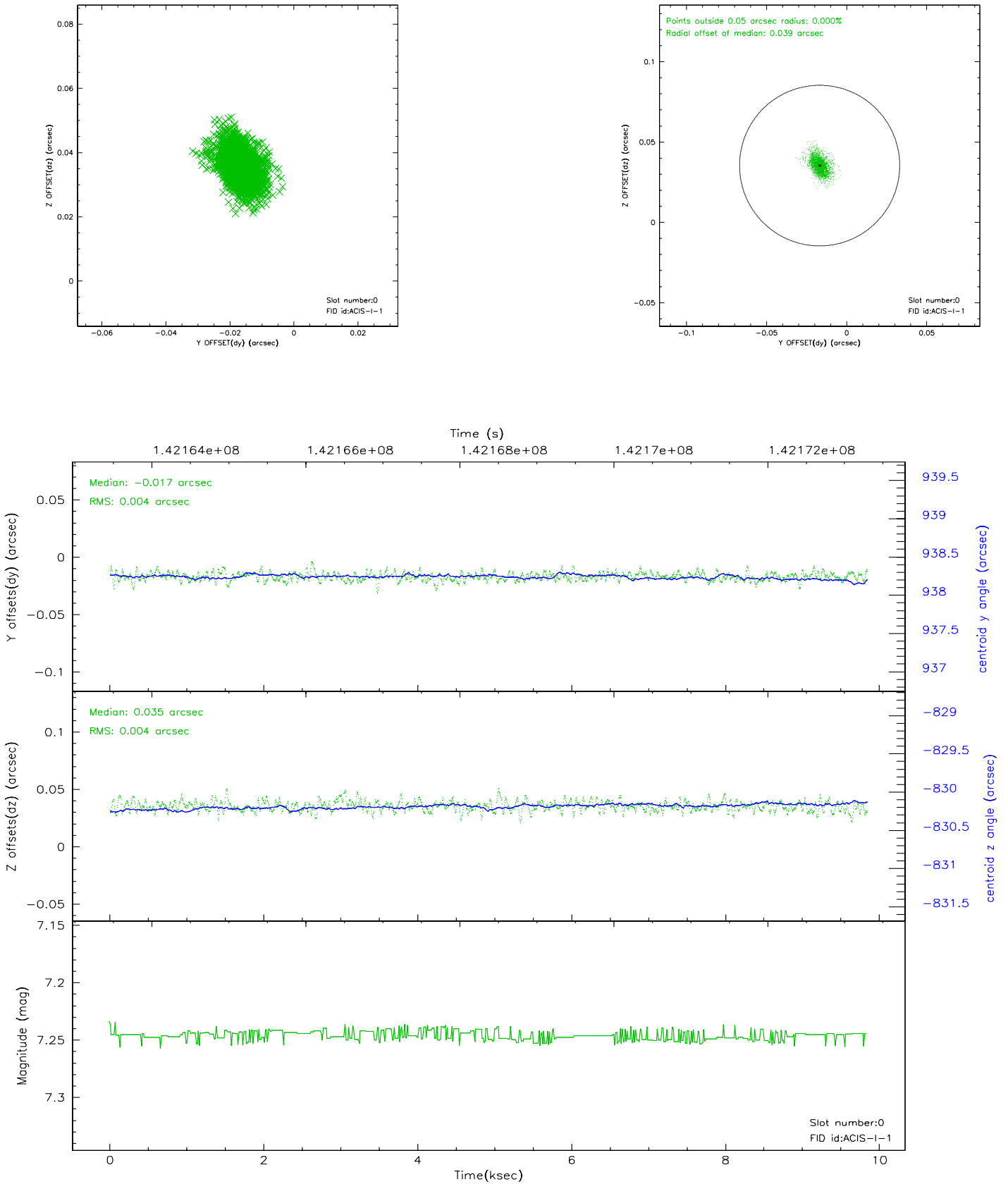


## 2.4.5 Slot 7

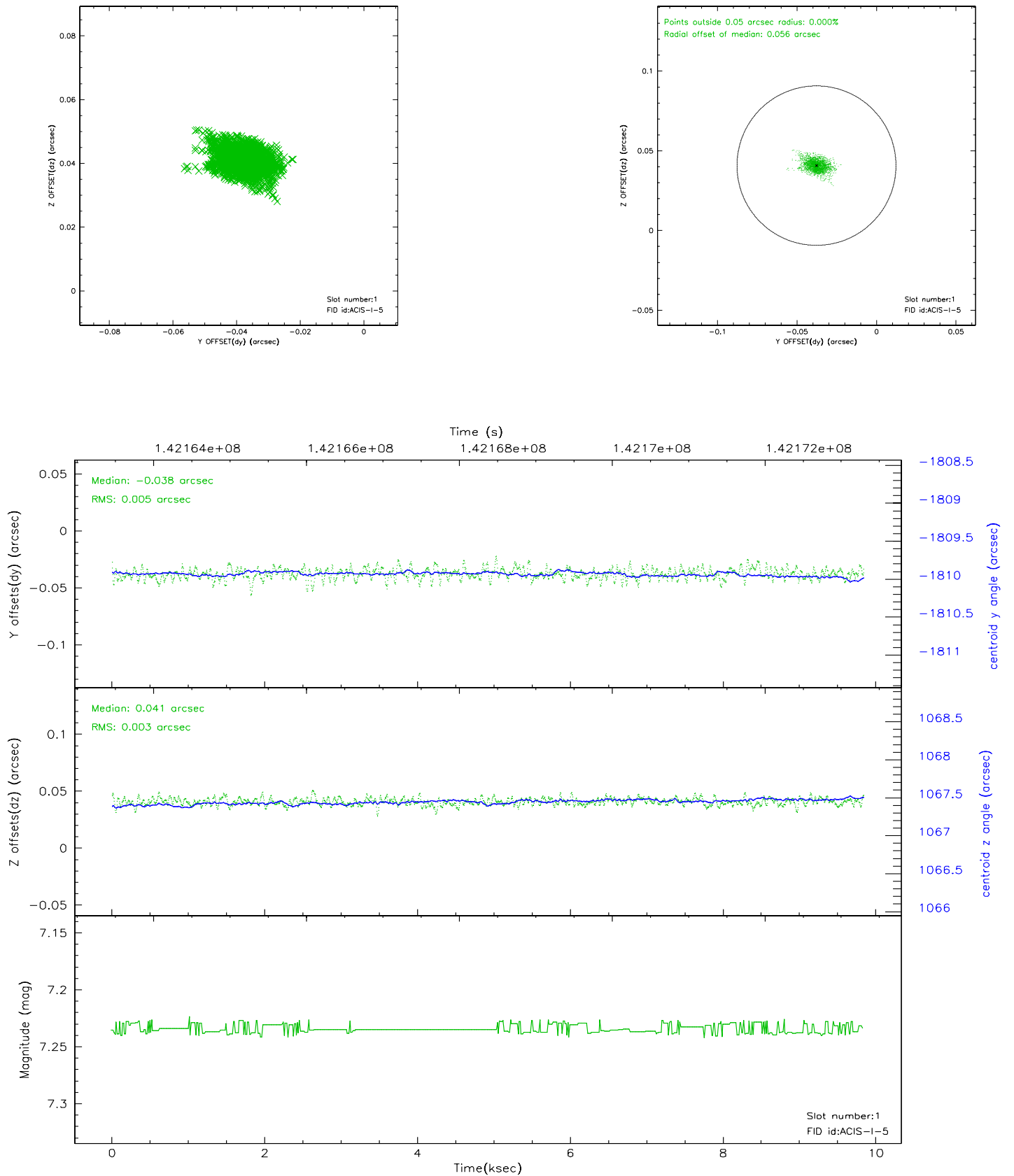


## 2.5 FID Slots

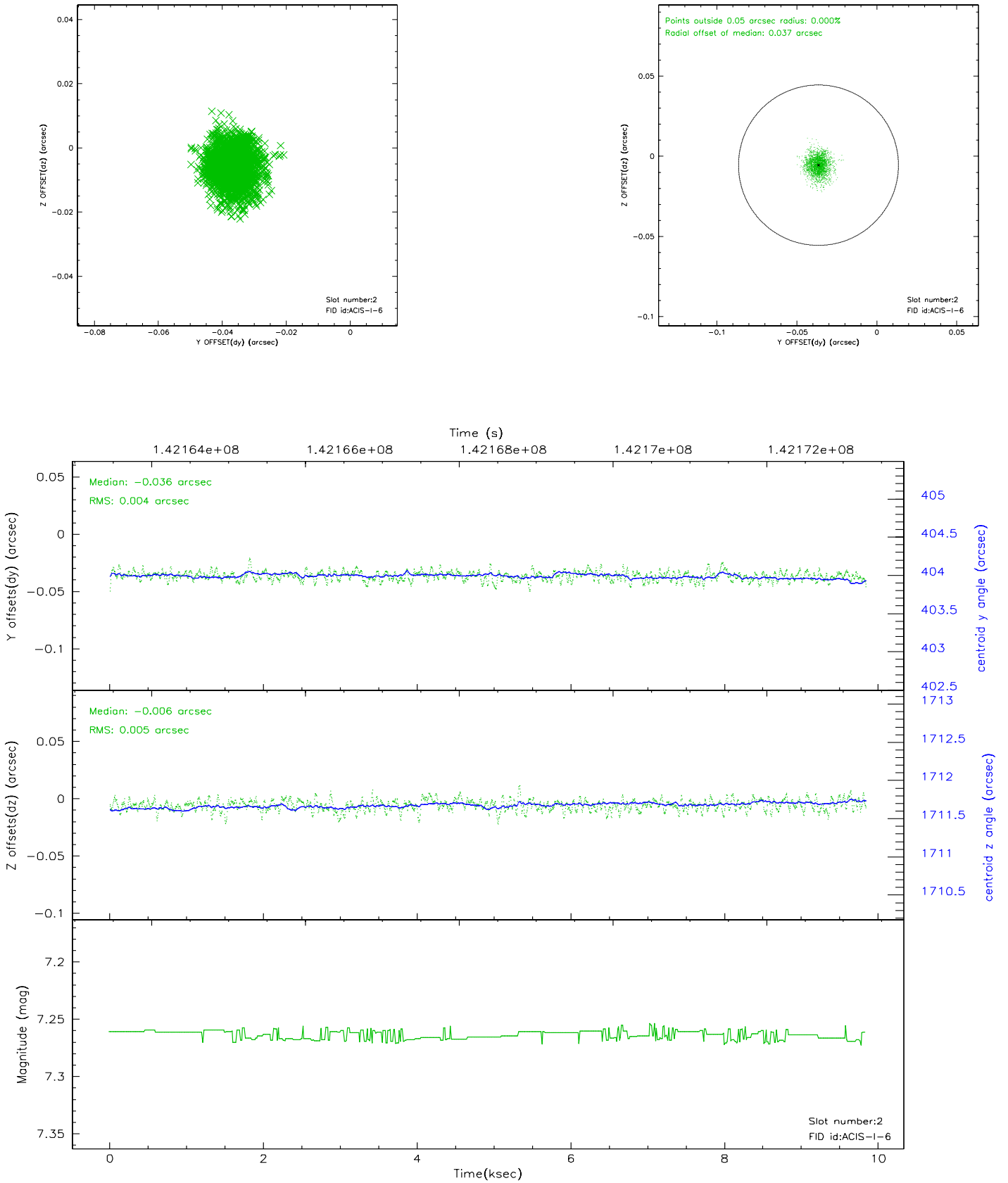
### 2.5.1 Slot 0



## 2.5.2 Slot 1

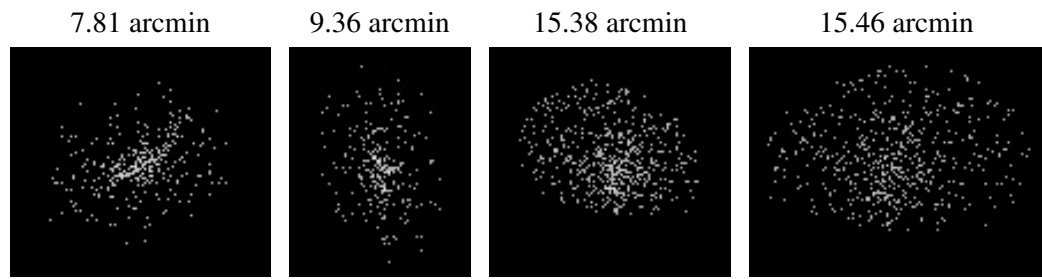


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.407

### A.2 Comments