

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2486 - L2 Version 001  
Chandra X-Ray Center

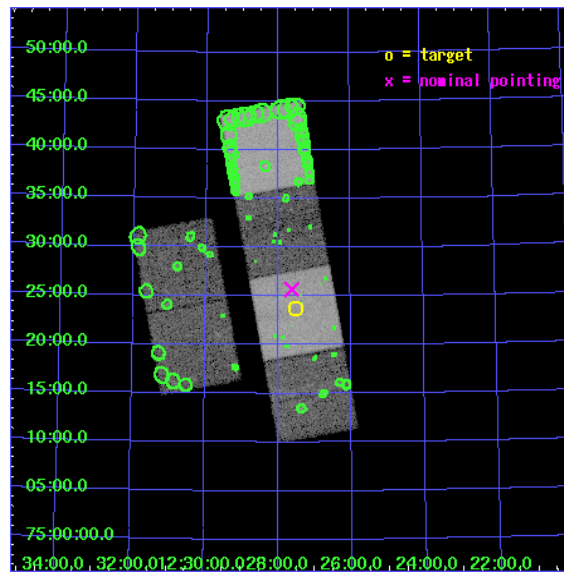
L2 Processing Date : Jan 16 2007

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# 1 Front

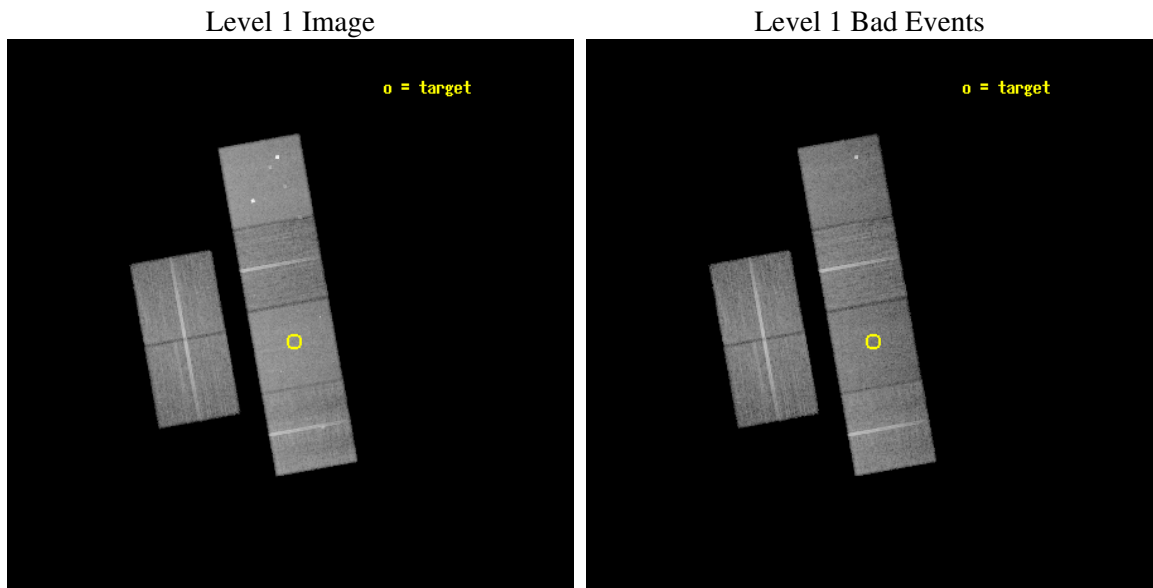
seq_num	900080
obs_id	2486
title	DIFFUSE X-RAY EMISSION FROM THE MISSING BARYONS IN THE UNIVERSE
observer	DR. Joel Bregman
object	CHVC125
dtcycle	0
cycle	P
ra_targ	186.875
dec_targ	75.395833
ra_nom	186.90534296898
dec_nom	75.428209542558
roll_nom	79.769918988206
revision	2
ontime	22960.000021383
livetime	22669.26667626
ontime2	22960.000021383
ontime3	22960.000021383
ontime5	22960.000021383
ontime6	22956.759071037
ontime7	22960.000021383
ontime8	22960.000021383
l2events	237372



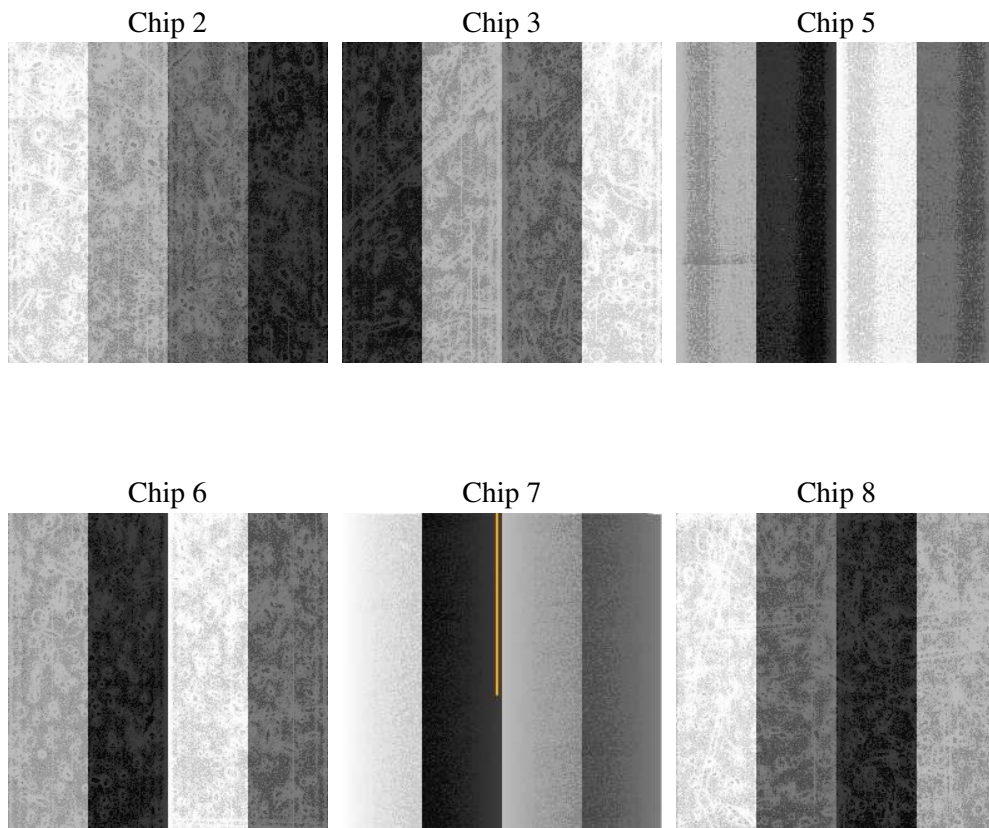
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-17T01:20:26
revision	2

sched_exp_time	23000.000000
ontime	22960.000021383
ontime2	22960.000021383
ontime3	22960.000021383
ontime5	22960.000021383
ontime6	22956.759071037
ontime7	22960.000021383
ontime8	22960.000021383
l1events	1068450

### 2.1.4 Events

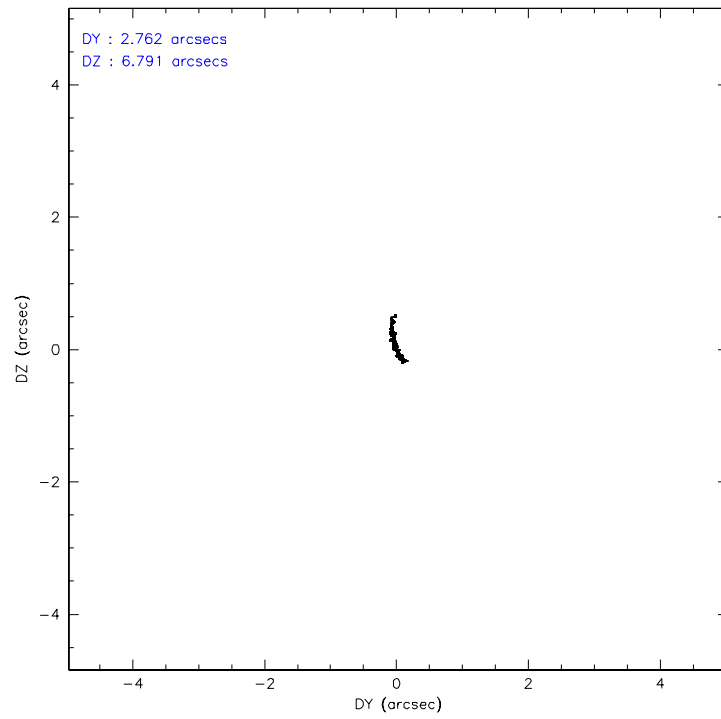
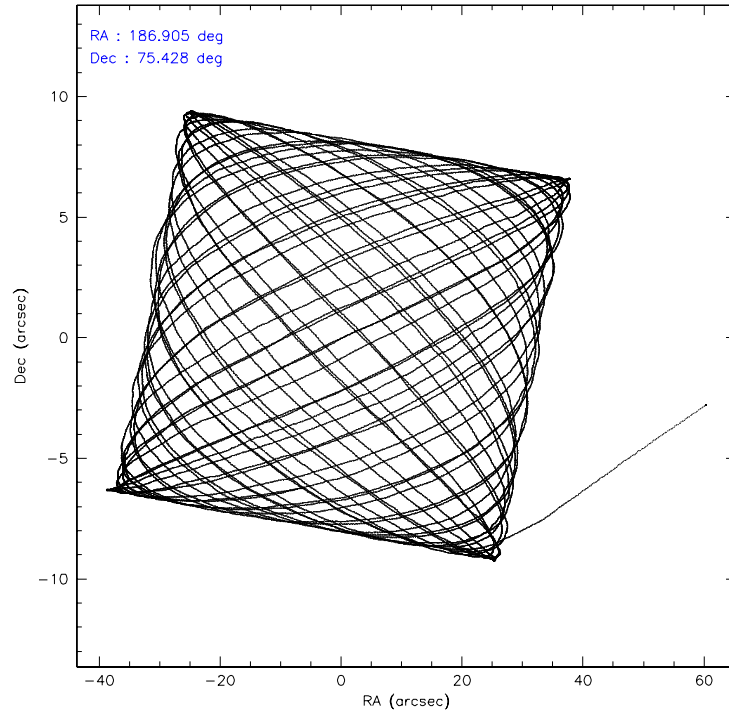
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	157650	149505	222660	152027	198379	188229
rejected events	140274	132651	118168	134505	115556	149900
rejected %	88%	88%	53%	88%	58%	79%

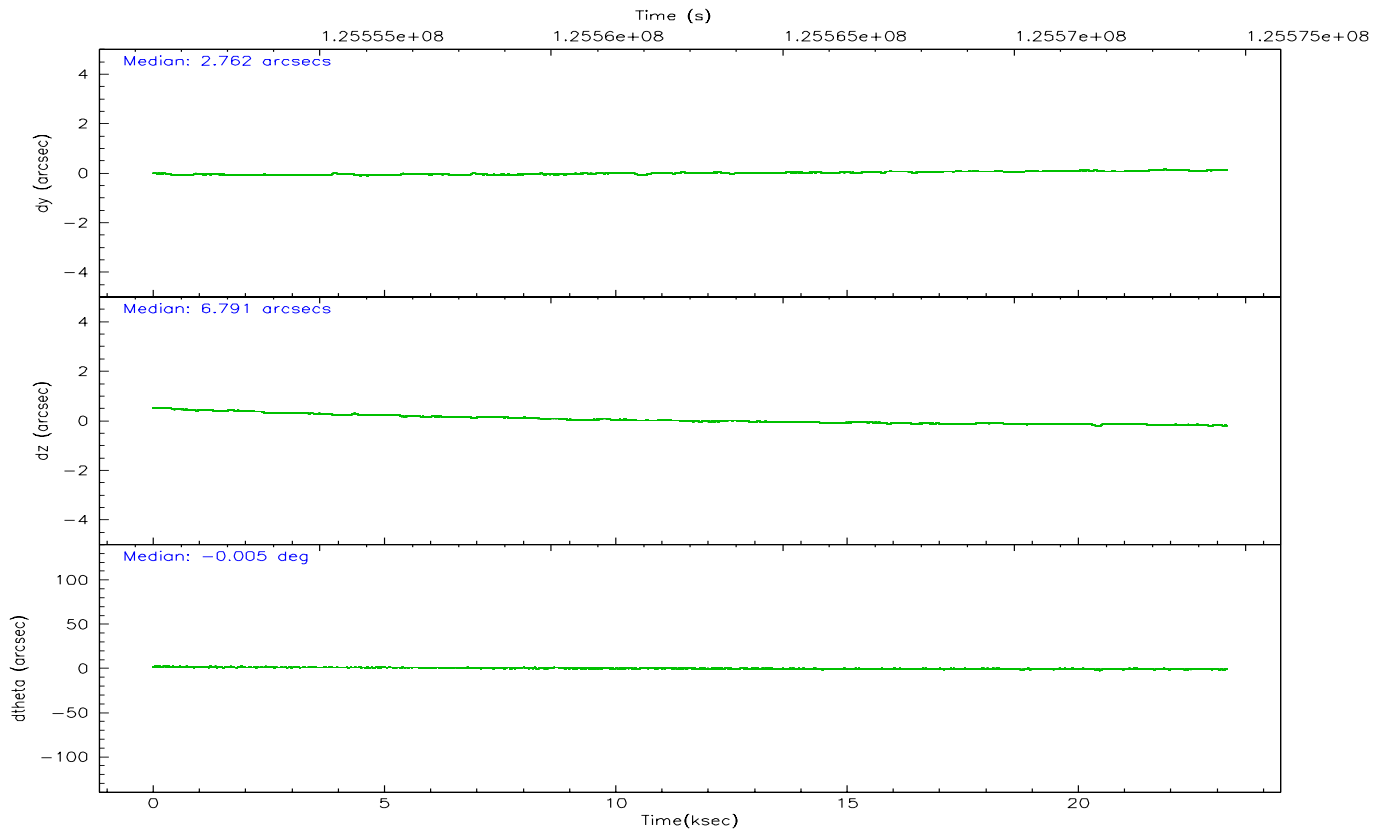
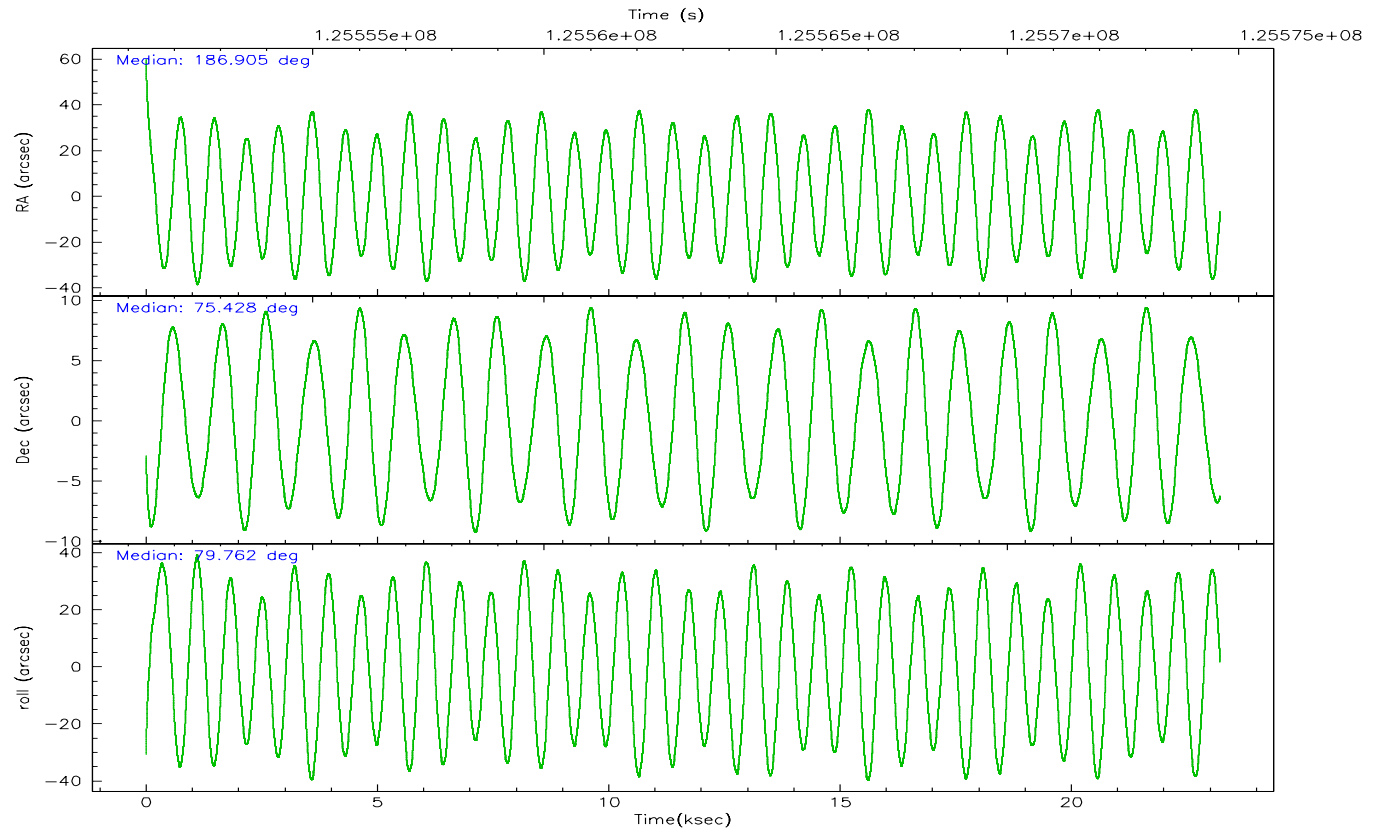
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7235	7239	14297	7130	7957	12536
	4%	4%	6%	4%	4%	6%
grade 1 events	82	69	1829	78	179	113
	0%	0%	0%	0%	0%	0%
grade 2 events	3830	3369	30288	3545	16199	8306
	2%	2%	13%	2%	8%	4%
grade 3 events	1669	1568	4357	1781	7562	4101
	1%	1%	1%	1%	3%	2%
grade 4 events	1614	1583	4296	1690	7355	3829
	1%	1%	1%	1%	3%	2%
grade 5 events	5527	6051	16519	6609	18920	8376
	3%	4%	7%	4%	9%	4%
grade 6 events	3034	3099	51283	3382	43785	9566
	1%	2%	23%	2%	22%	5%
grade 7 events	134659	126527	99791	127812	96422	141402
	85%	84%	44%	84%	48%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	186.943164	186.9053429689785	Subarray requested	NONE	NONE
Pointing Dec	75.402652	75.42820954255838	Alternating exposures requested	N	N
Pointing Roll	79.576684	79.76991898820579	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	125551608.184000	125550624.22206			
Observation start date	2001-12-24T03:25:44	2001-12-24T03:10:24			
Observation end time	125574608.184000	125575000.77303			
Observation end date	2001-12-24T09:49:04	2001-12-24T09:56:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect





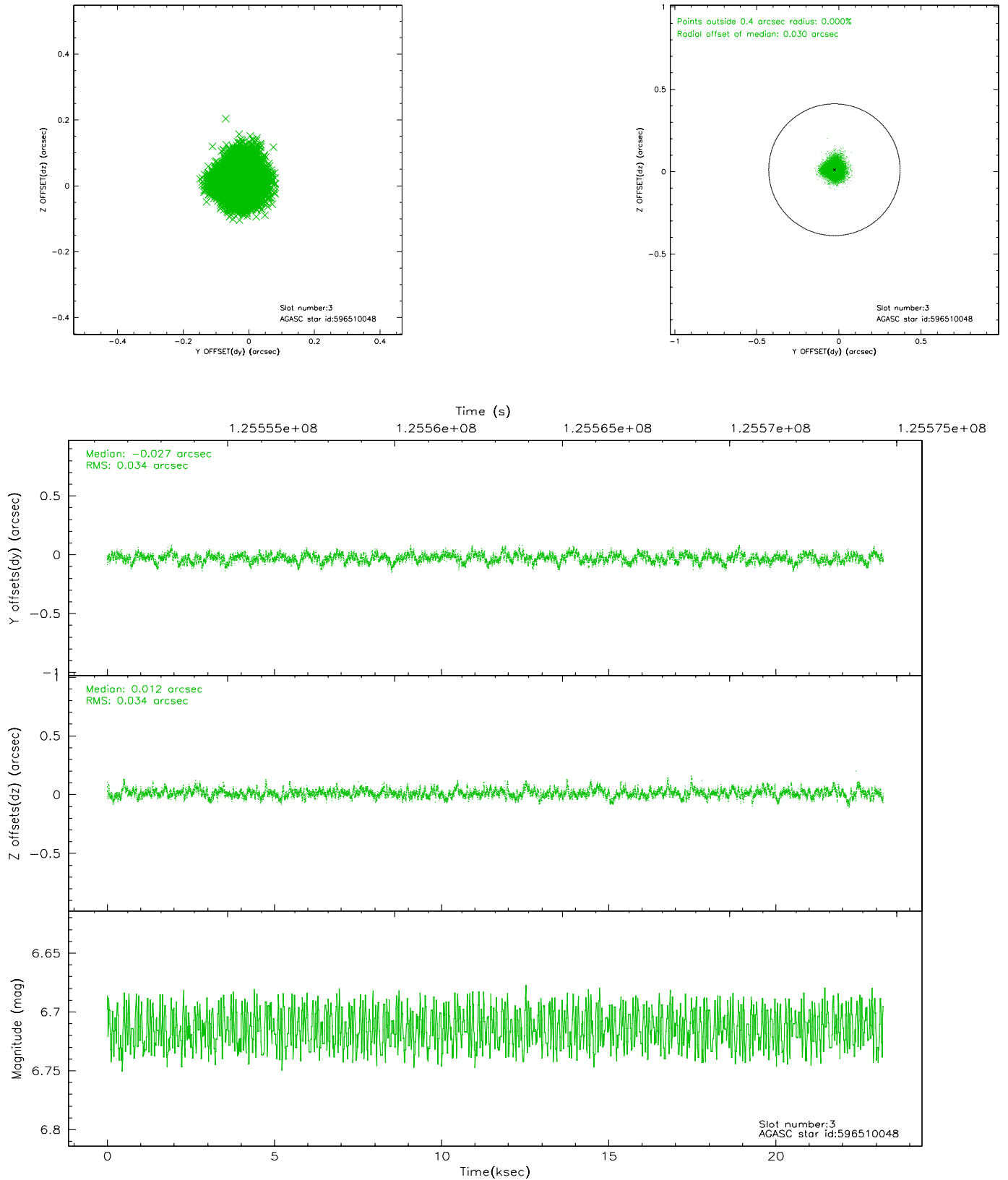
### Slot Statistics

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	5663	-0.007	0.034	0.008	0.014	0.000000	0.000000	-755.40	-1727.98
1	FID	ACIS-S-4	7.20	5663	-0.085	-0.006	0.009	0.016	0.000000	0.000000	2157.72	180.34
2	FID	ACIS-S-5	7.24	5663	0.060	-0.019	0.007	0.011	0.000000	0.000000	-1808.01	174.13
3	GUIDE	596510048	6.71	11327	-0.027	0.012	0.052	0.082	188.427937	75.212520	-408.49	-1462.49
4	GUIDE	596390232	7.66	11326	-0.050	-0.081	0.059	0.092	186.553365	75.719145	1059.78	546.59
5	GUIDE	596518224	9.54	11320	0.165	0.025	0.115	0.190	187.743001	75.202429	-569.73	-852.98
6	GUIDE	596378936	9.33	11325	-0.010	0.009	0.095	0.152	185.905753	75.866397	1485.46	1200.36
7	GUIDE	596518520	9.76	11320	-0.074	0.058	0.132	0.230	188.587021	75.641341	1131.76	-1283.89

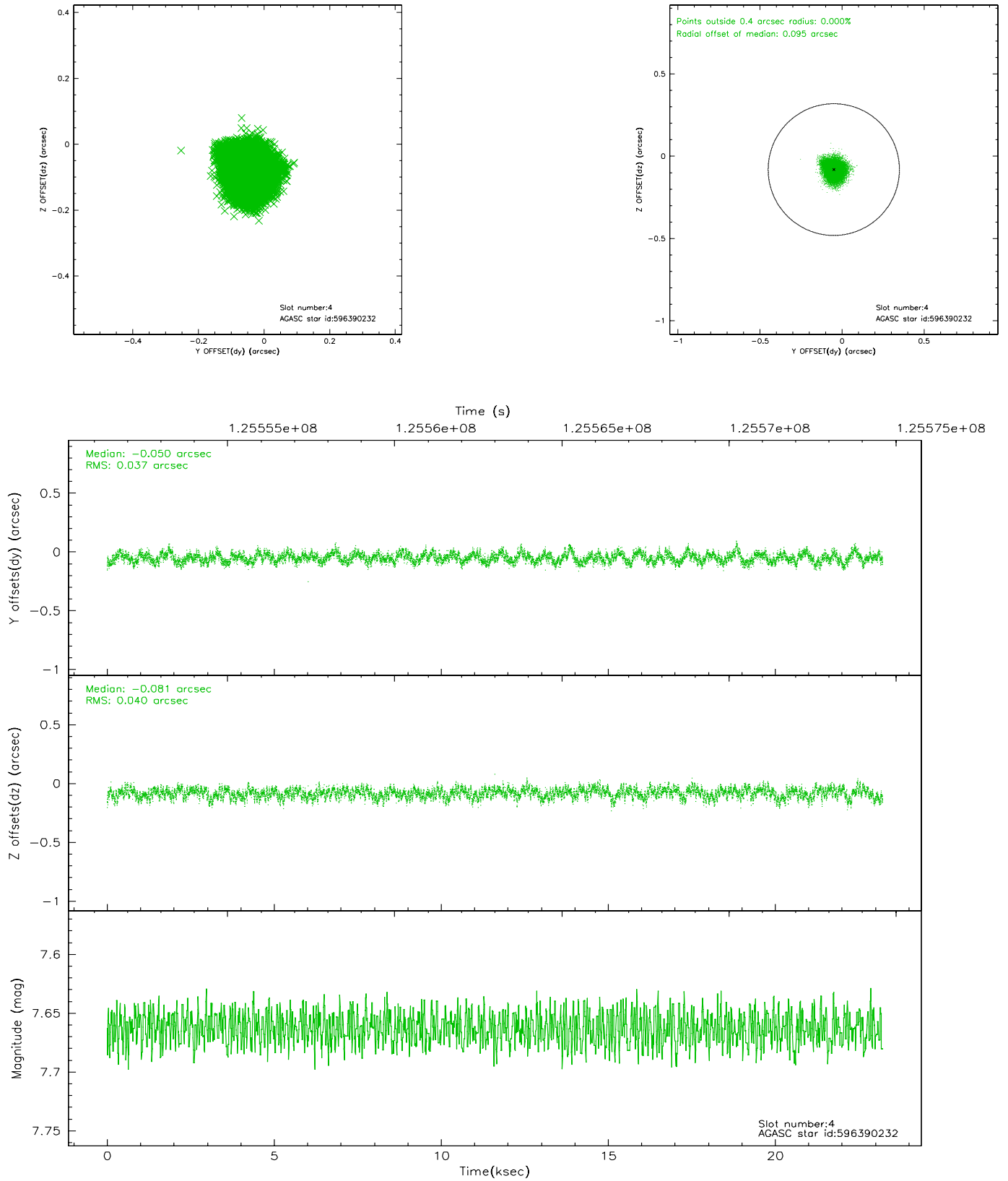


## 2.4 Star Slots

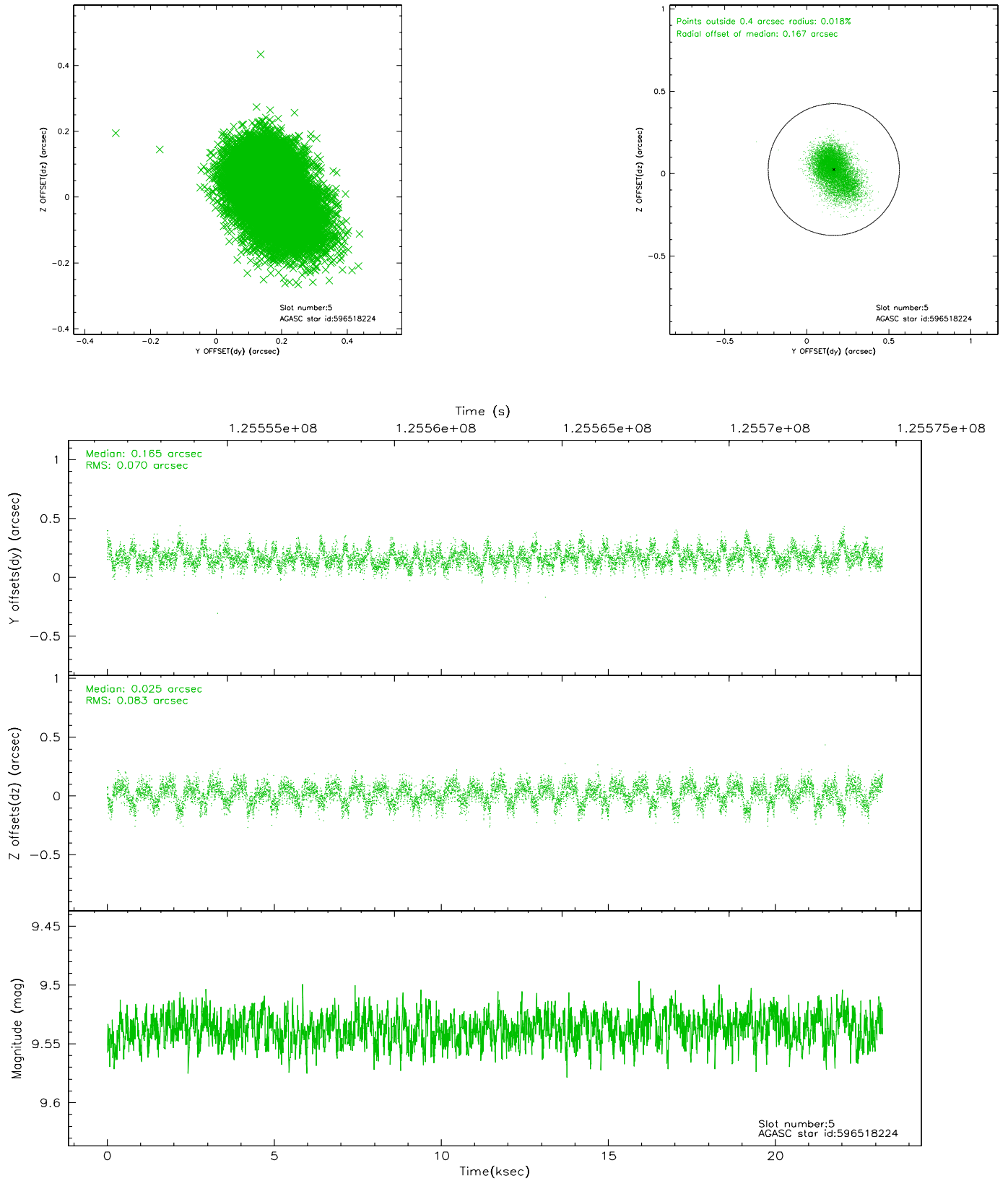
### 2.4.1 Slot 3



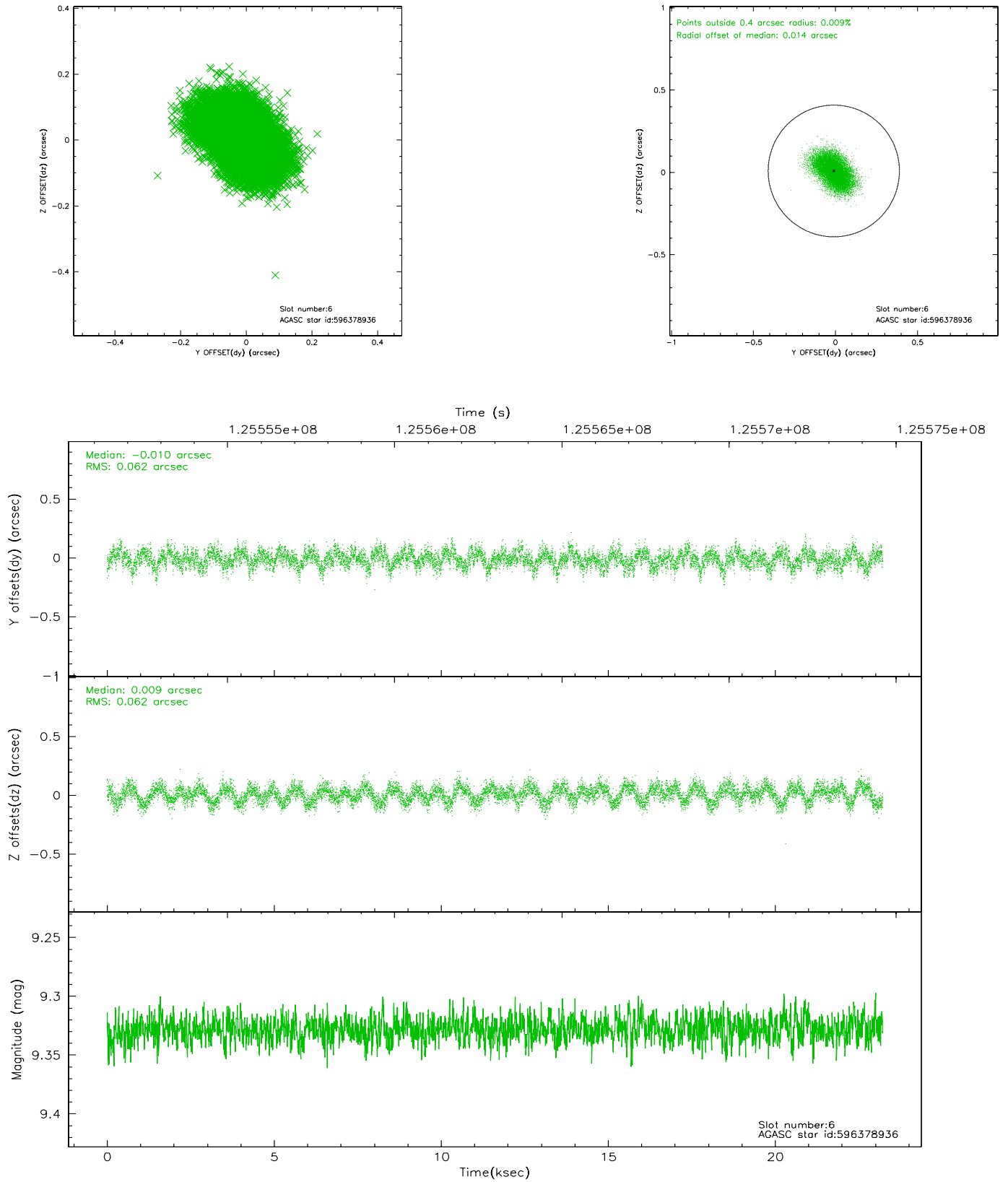
## 2.4.2 Slot 4



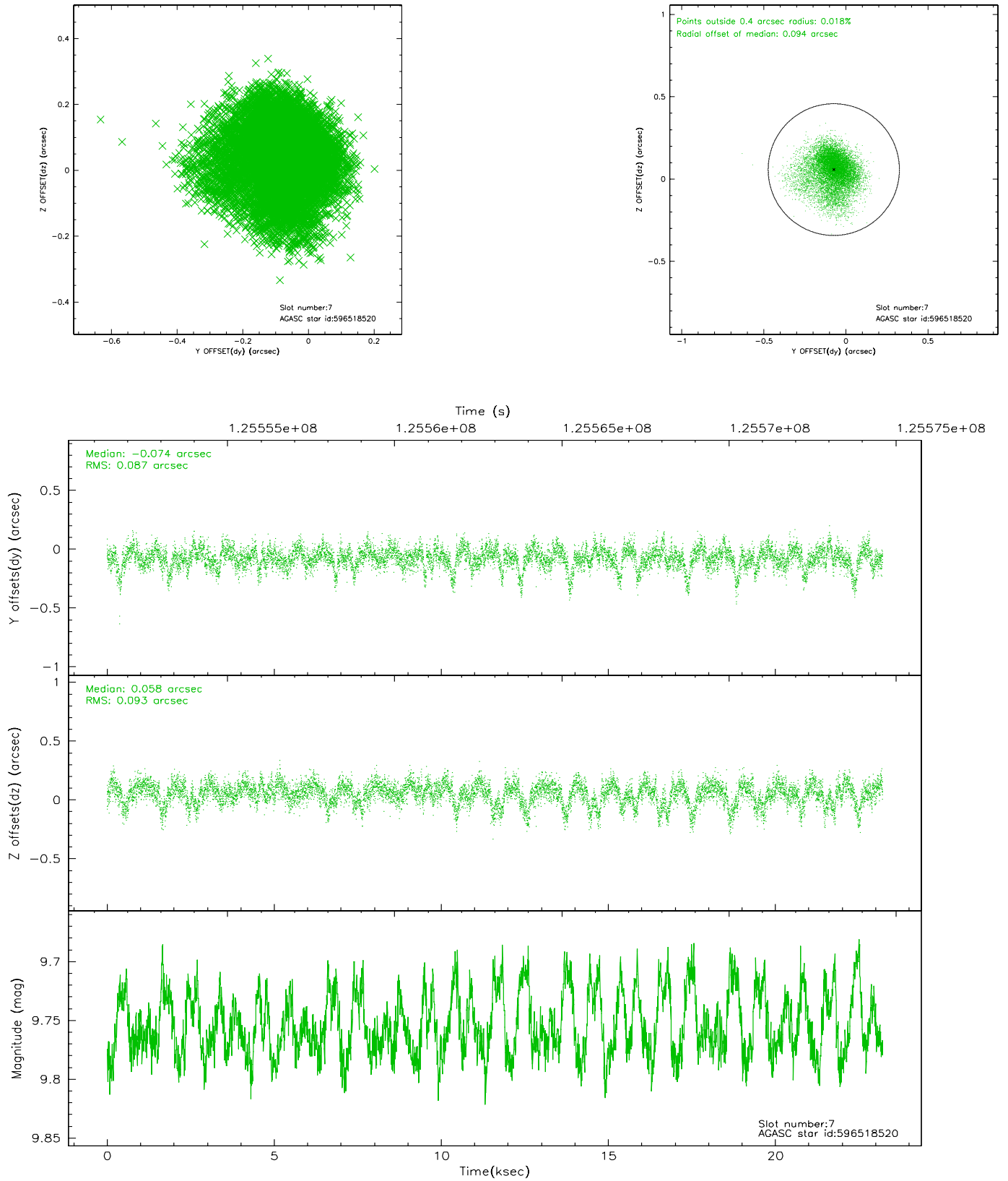
### 2.4.3 Slot 5



## 2.4.4 Slot 6

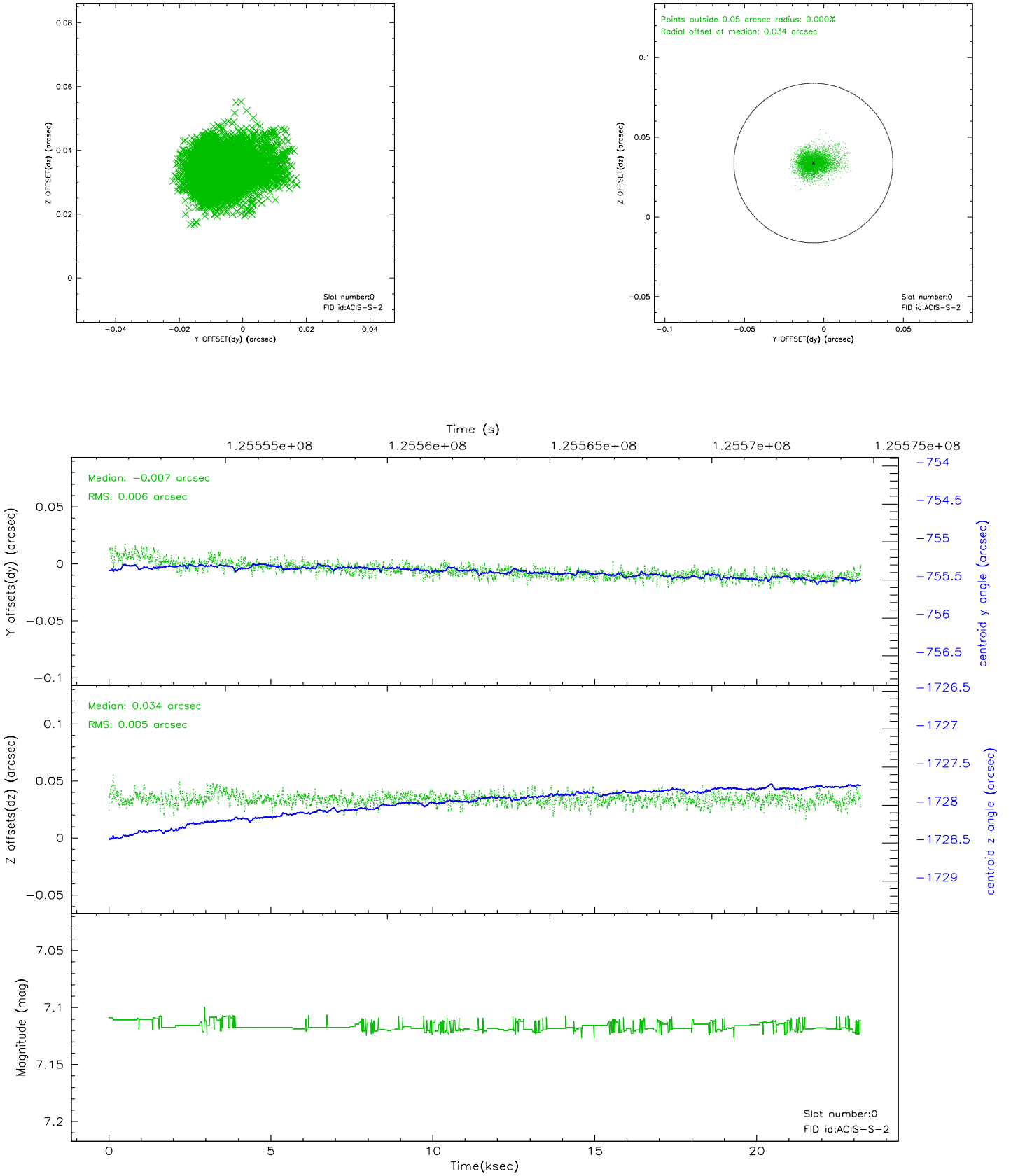


## 2.4.5 Slot 7

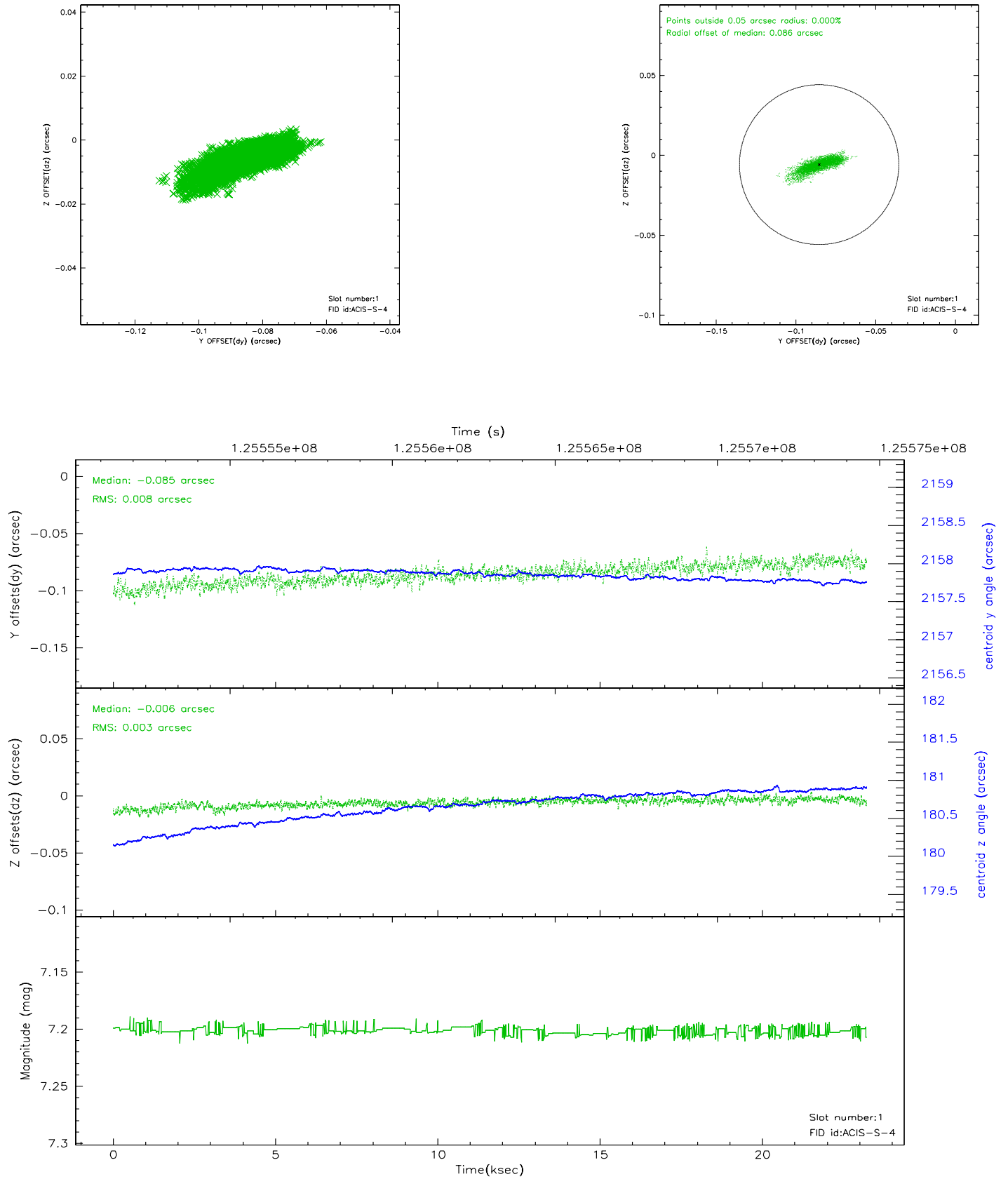


## 2.5 FID Slots

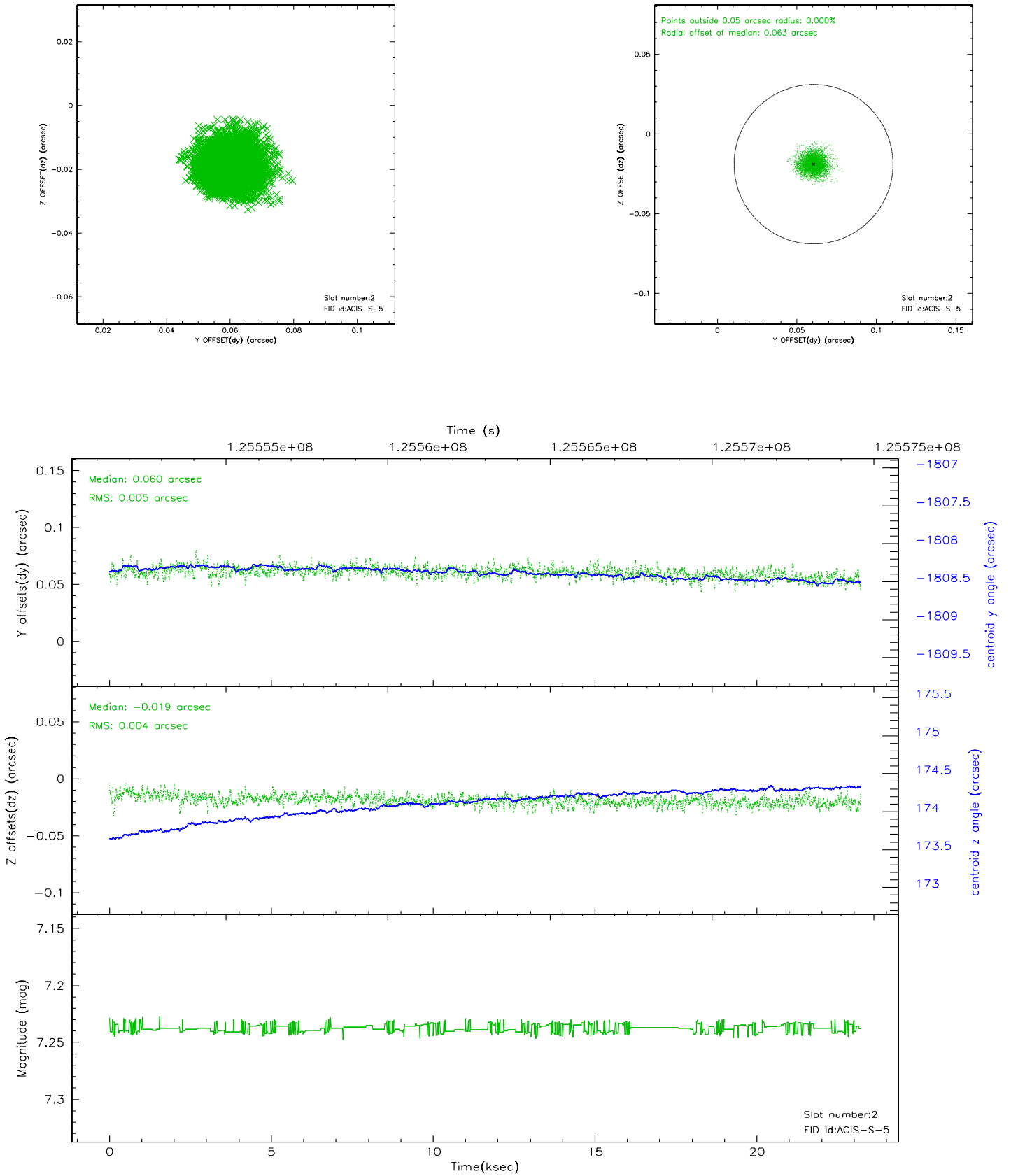
### 2.5.1 Slot 0



## 2.5.2 Slot 1

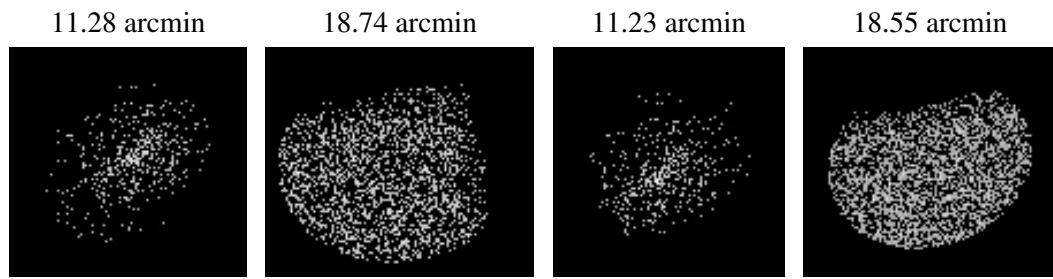


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.963

### A.2 Comments