

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5299 - L2 Version 001  
Chandra X-Ray Center

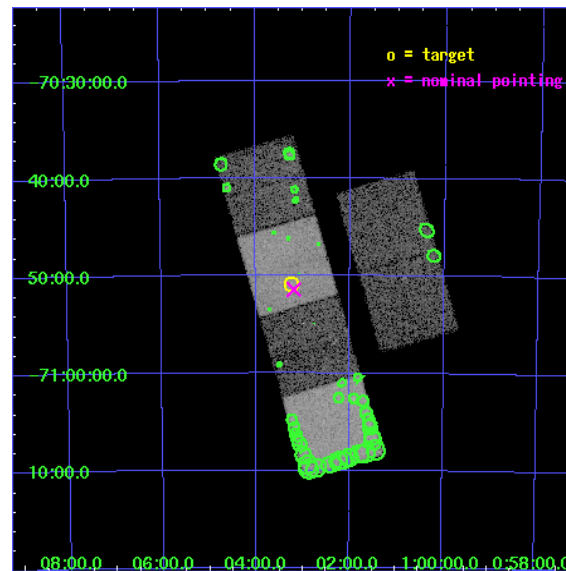
L2 Processing Date : Jun 7 2006

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# 1 Front

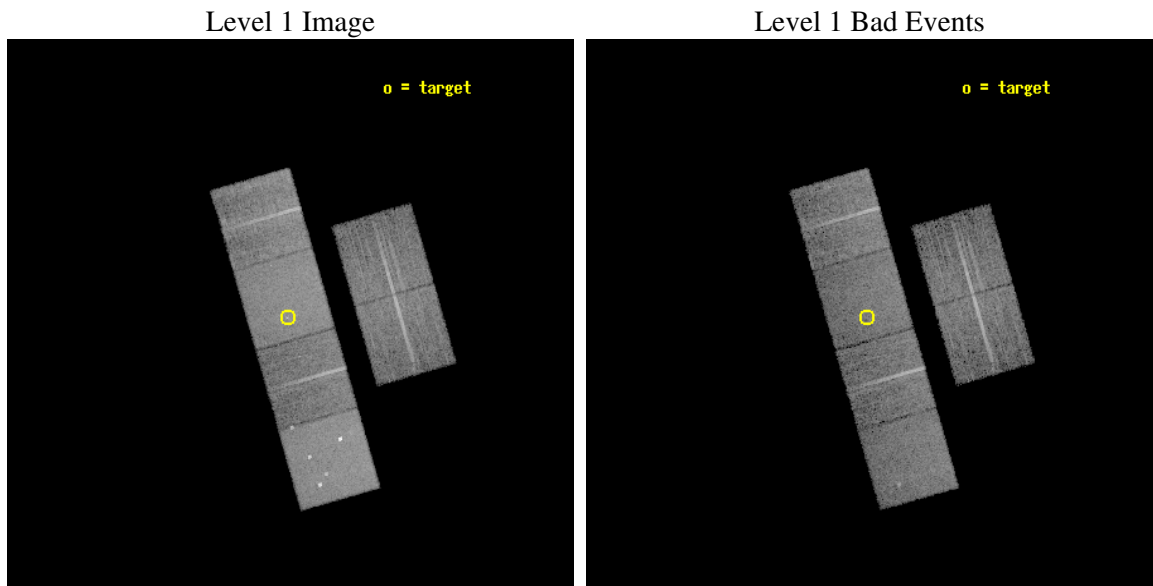
seq_num	300123
obs_id	5299
title	A Uniform Study of Globular Cluster X-ray Sources: The Keys to Cluster Dynamical Evolution
observer	Prof. Walter Lewin
object	NGC 362
dtcycle	0
cycle	P
ra_targ	15.809583
dec_targ	-70.848333
ra_nom	15.796714552482
dec_nom	-70.85702545372
roll_nom	253.96647409346
revision	2
ontime	13139.199951053
livetime	12972.823489796
ontime2	13139.199951053
ontime3	13139.199951053
ontime5	13139.199951053
ontime6	13139.199951053
ontime7	13139.199951053
ontime8	13139.199951053
l2events	127952



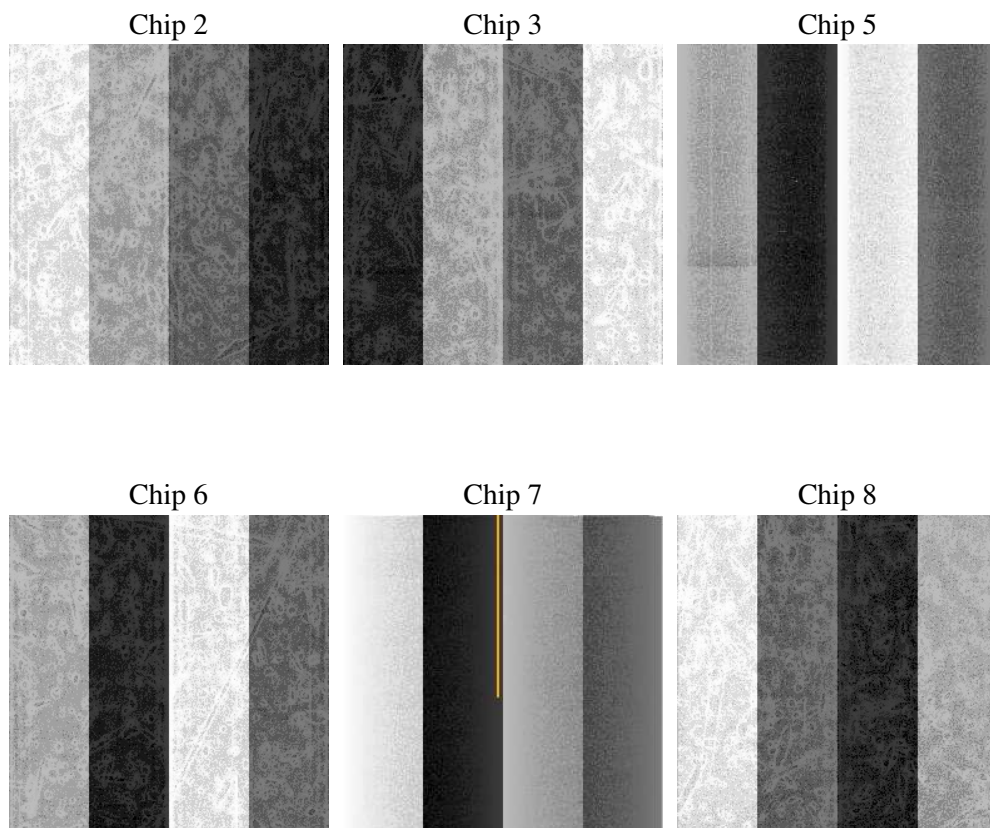
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-07T04:53:41
revision	2

sched_exp_time	13000.000000
ontime	14963.71159333
ontime2	14963.71159333
ontime3	14963.71159333
ontime5	14963.71159333
ontime6	14963.71159333
ontime7	14963.71159333
ontime8	14963.71159333
l1events	629857

### 2.1.4 Events

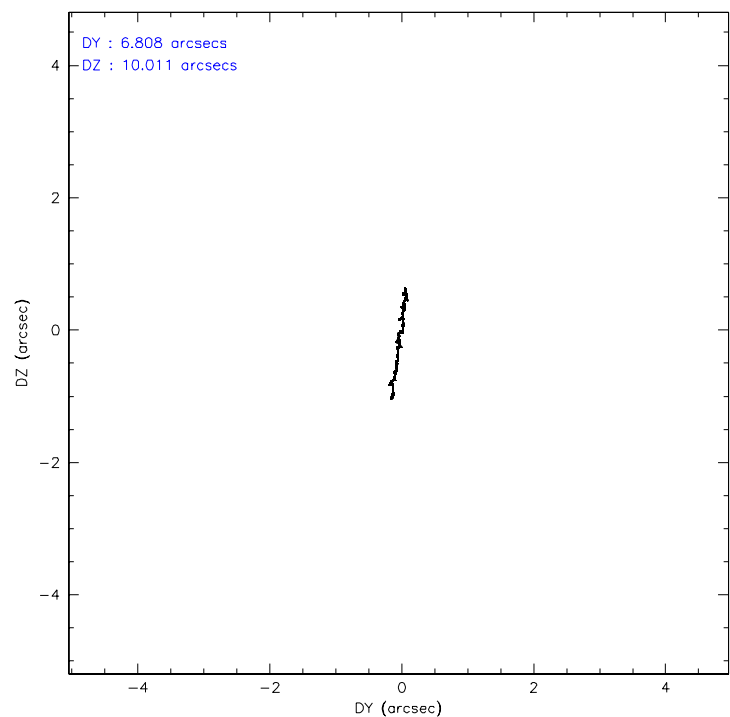
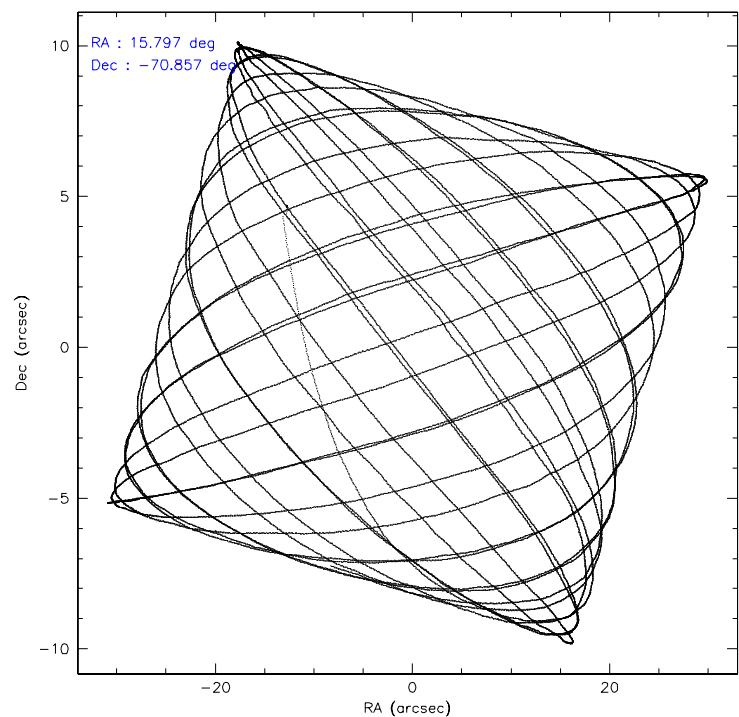
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	85250	83757	141202	86564	124464	108620
rejected events	75869	74733	82600	76916	81227	88350
rejected %	88%	89%	58%	88%	65%	81%

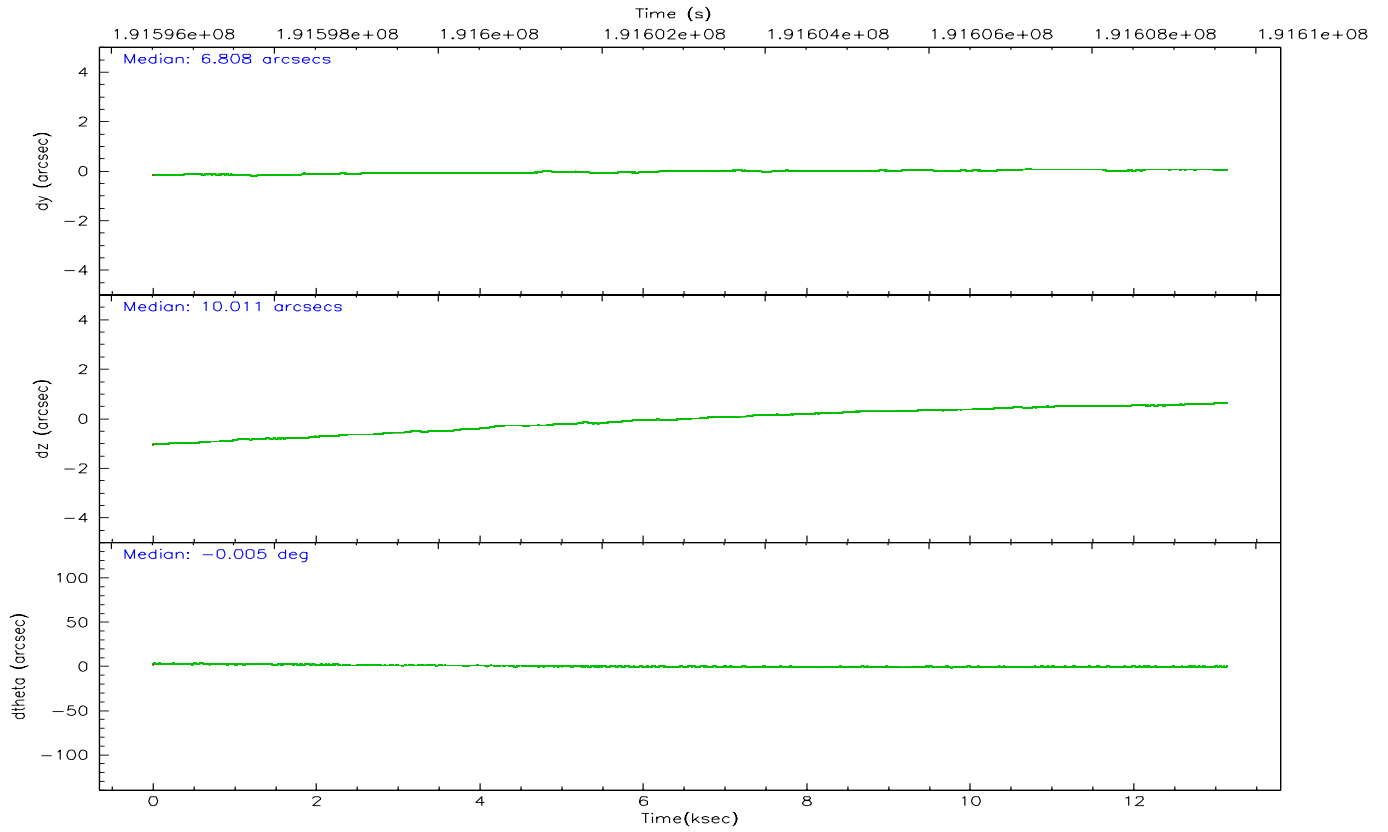
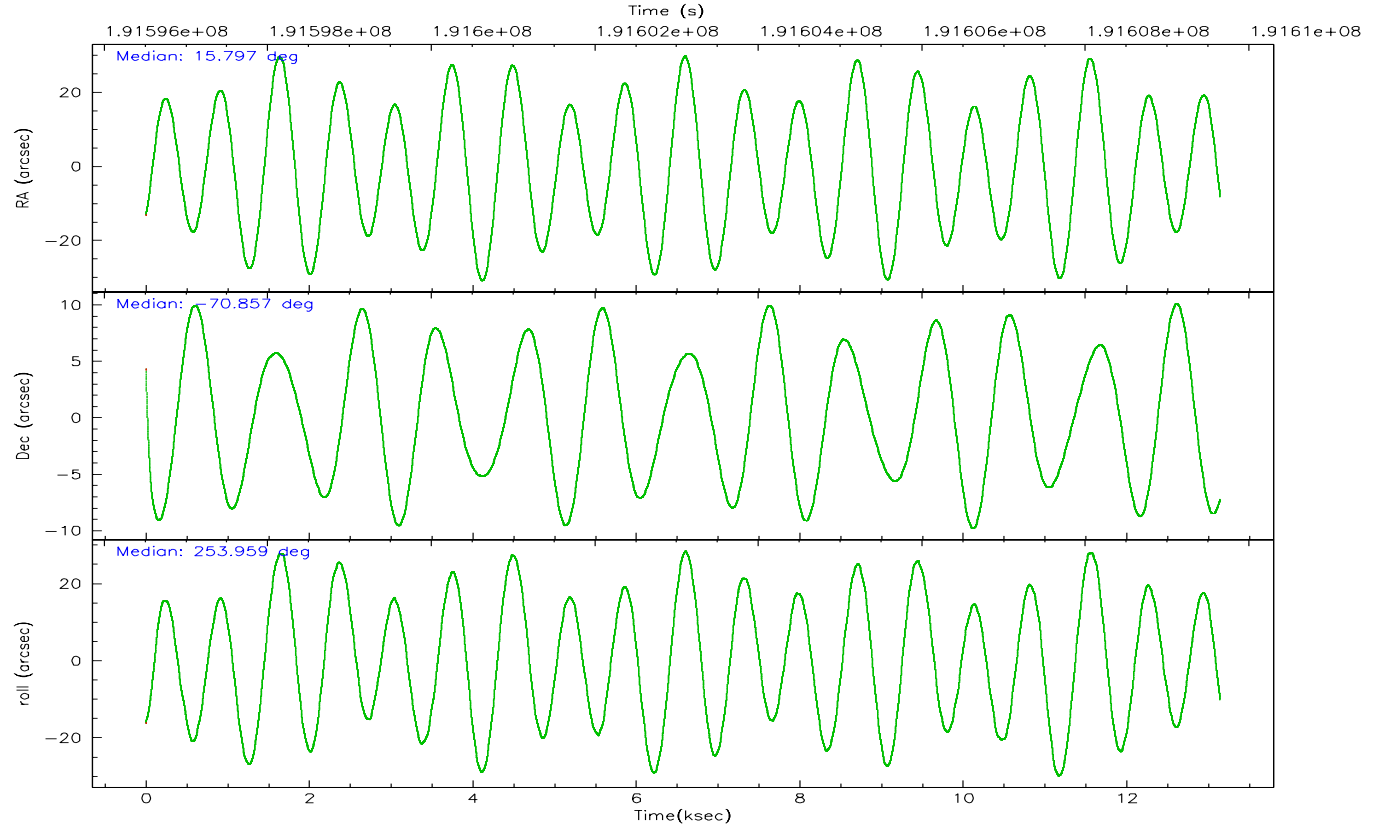
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4837	4512	10317	4569	3351	7888
	5%	5%	7%	5%	2%	7%
grade 1 events	42	45	393	63	69	67
	0%	0%	0%	0%	0%	0%
grade 2 events	2125	1987	19102	2279	12096	4832
	2%	2%	13%	2%	9%	4%
grade 3 events	958	999	1552	1041	2659	2376
	1%	1%	1%	1%	2%	2%
grade 4 events	970	1030	1442	994	2631	2270
	1%	1%	1%	1%	2%	2%
grade 5 events	3585	3891	6417	4115	7939	5131
	4%	4%	4%	4%	6%	4%
grade 6 events	1753	1754	34913	2115	28855	5554
	2%	2%	24%	2%	23%	5%
grade 7 events	70980	69539	67066	71388	66864	80502
	83%	83%	47%	82%	53%	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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	15.775492	15.79671455248222	Alternating exposures requested	N	N
Pointing Dec	-70.830691	-70.85702545372042	Primary exposure time	0.000000	3.2
Pointing Roll	253.789794	253.9664740934614			
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	191596656.184000	191594692.86034			
Observation start date	2004-01-27T13:16:32	2004-01-27T12:44:52			
Observation end time	191609656.184000	191610406.11103			
Observation end date	2004-01-27T16:53:12	2004-01-27T17:06:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





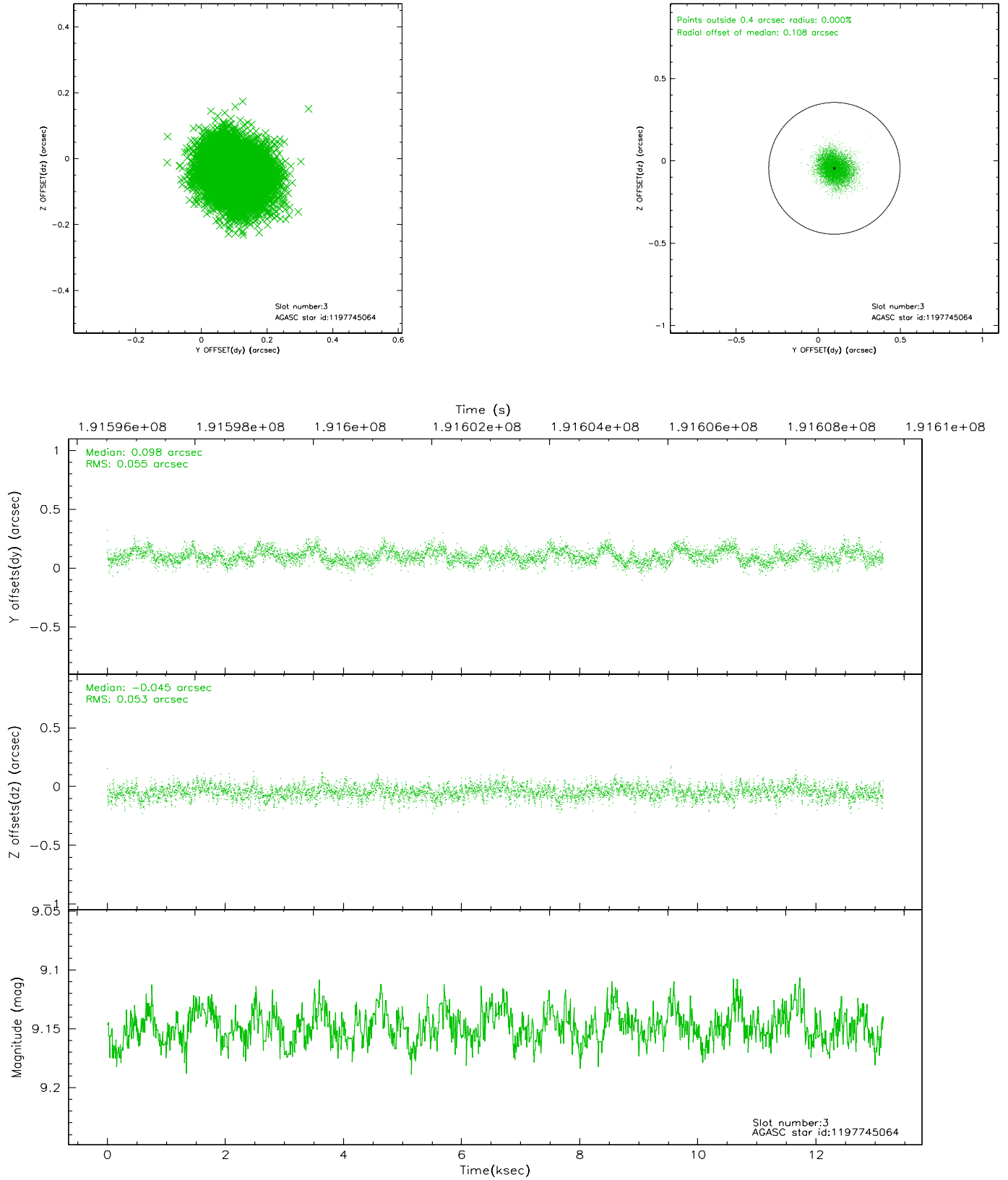
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3207	-0.044	-0.006	0.011	0.020	0.000000	0.000000	-759.54	-1731.20
1	FID	ACIS-S-4	7.20	3207	0.043	0.022	0.005	0.010	0.000000	0.000000	2153.62	176.97
2	FID	ACIS-S-5	7.23	3206	-0.032	-0.009	0.011	0.020	0.000000	0.000000	-1811.93	170.97
3	GUIDE	1197745064	9.15	6413	0.098	-0.045	0.081	0.132	14.488483	-70.869346	573.66	-1414.35
4	GUIDE	1197748624	9.54	6410	0.071	-0.007	0.097	0.155	14.991477	-70.268725	-1670.29	-1478.23
5	GUIDE	1197874240	9.41	6409	-0.040	0.295	0.082	0.131	17.264679	-70.473371	-1714.63	1367.68
6	GUIDE	1197875368	8.17	6412	-0.047	-0.113	0.070	0.105	17.140782	-70.666831	-1003.42	1403.03
7	GUIDE	1197877312	7.92	6411	-0.079	-0.130	0.076	0.121	16.362782	-70.933298	164.94	767.62

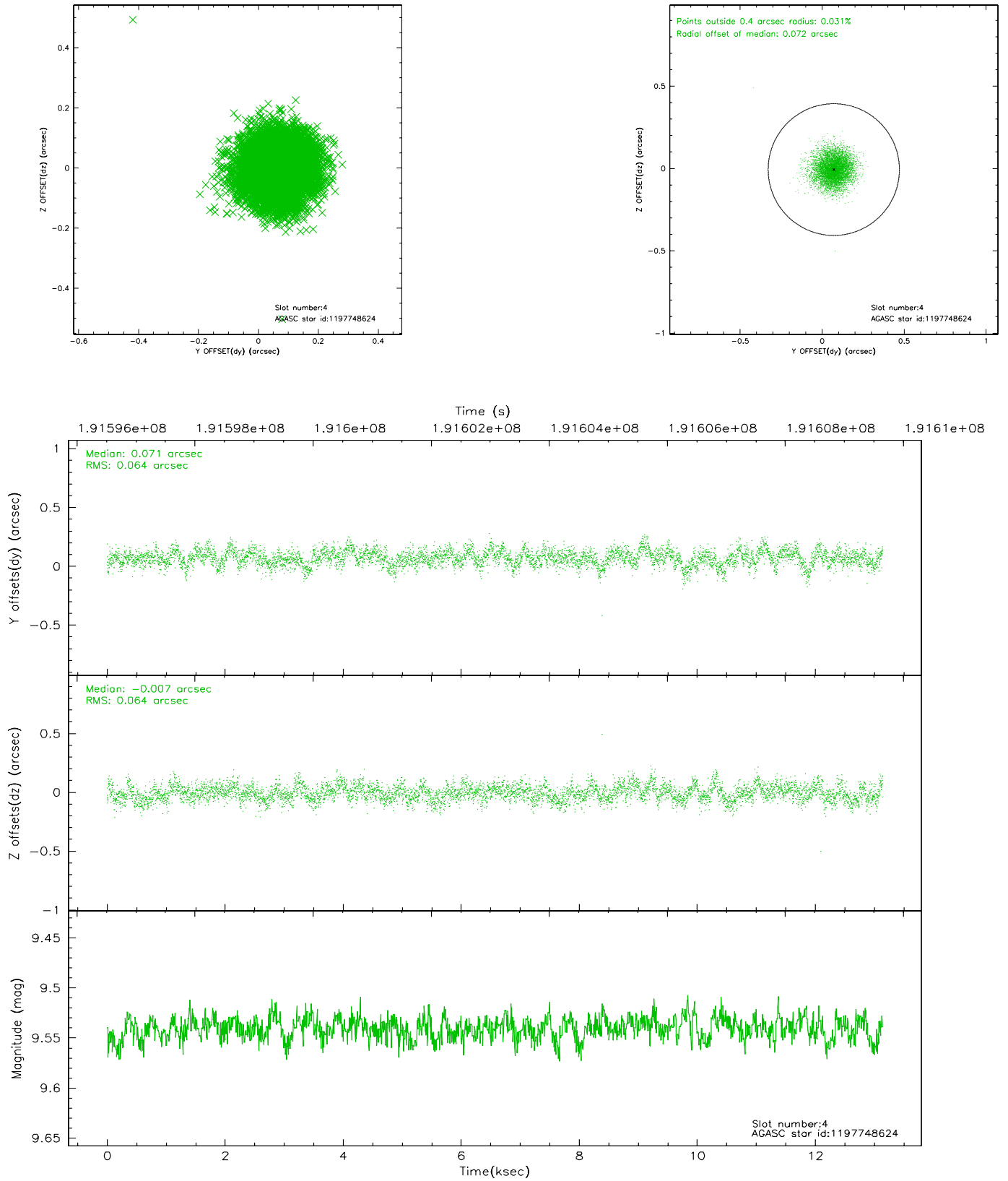


## 2.4 Star Slots

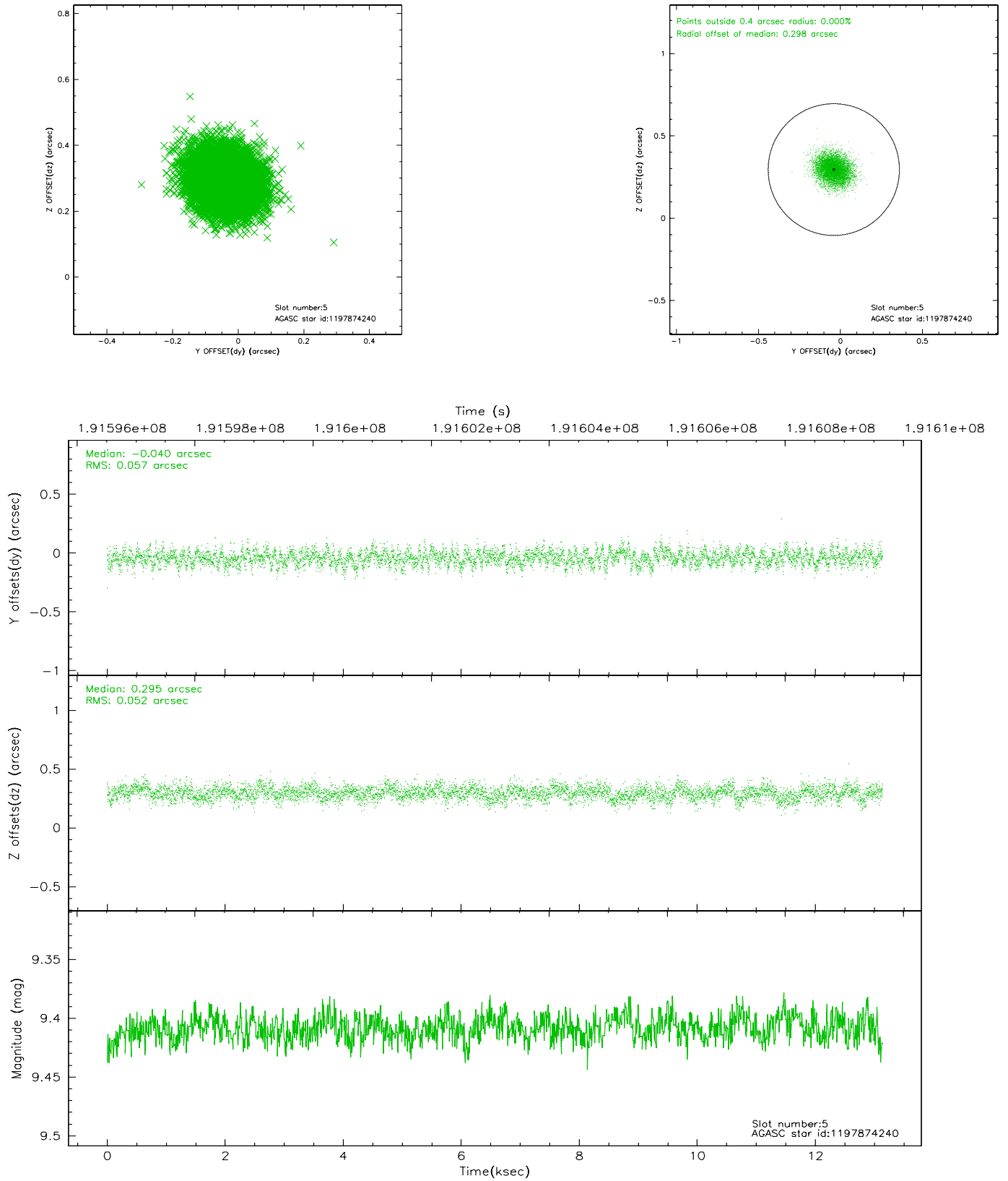
### 2.4.1 Slot 3



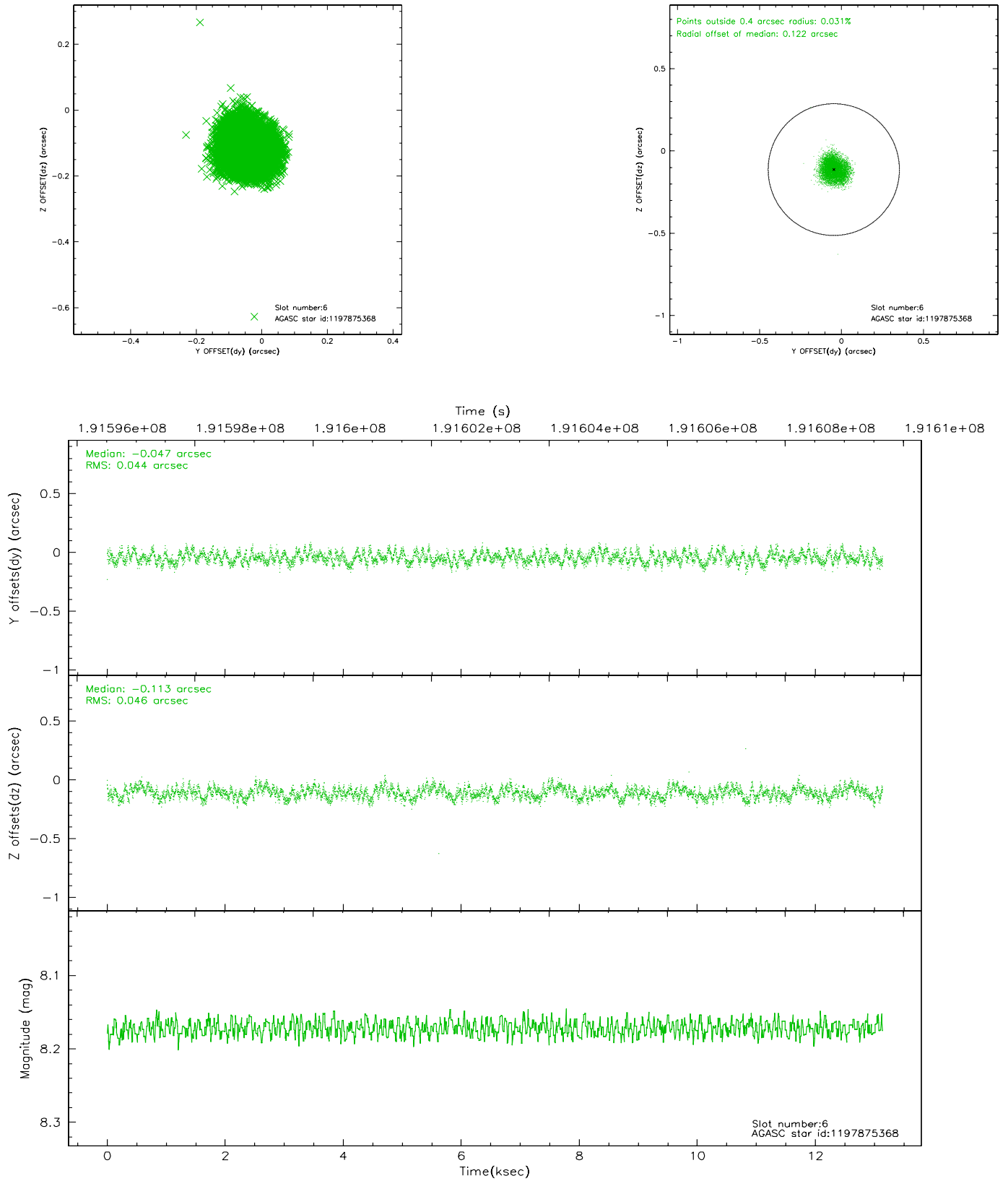
## 2.4.2 Slot 4



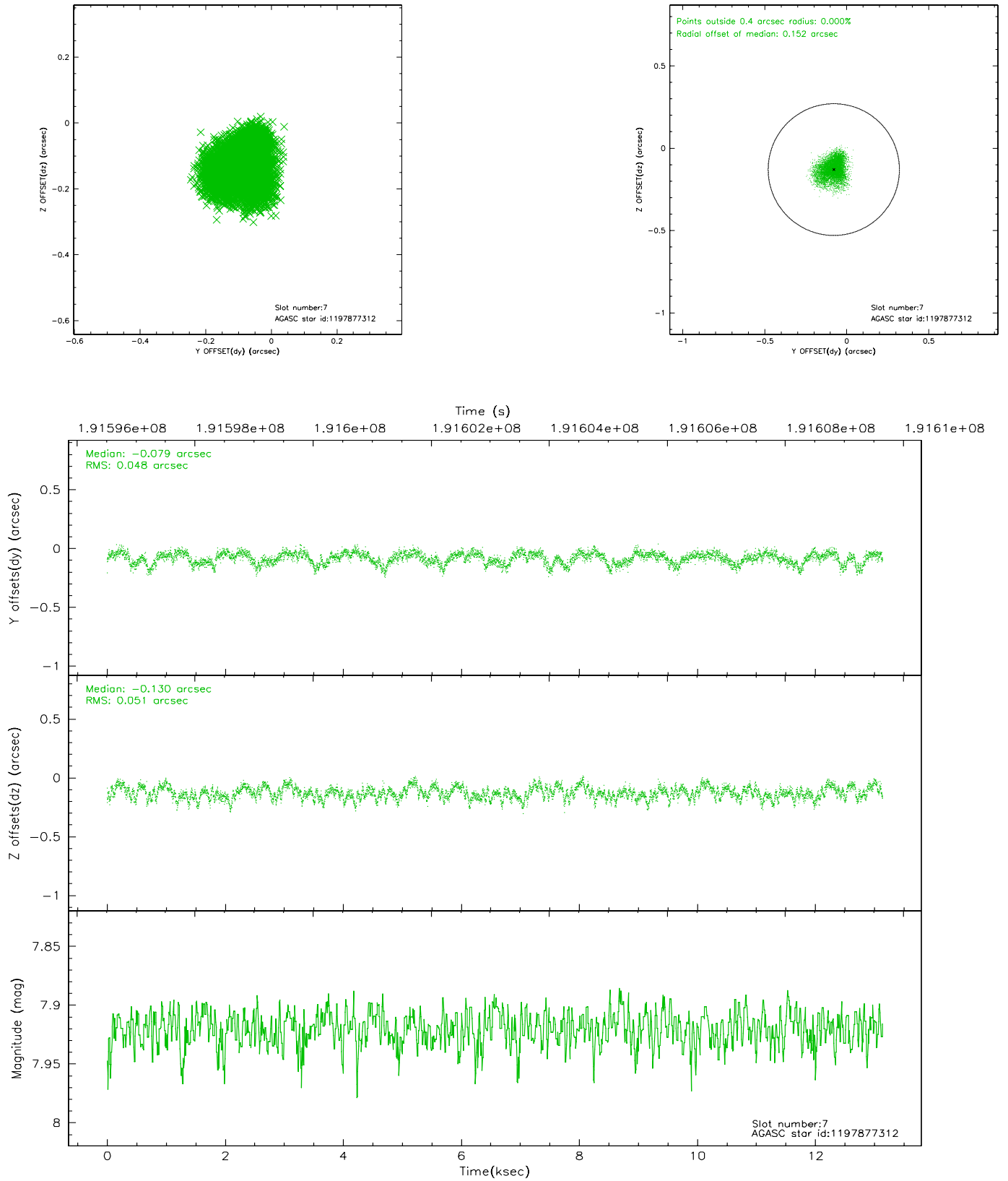
### 2.4.3 Slot 5



## 2.4.4 Slot 6

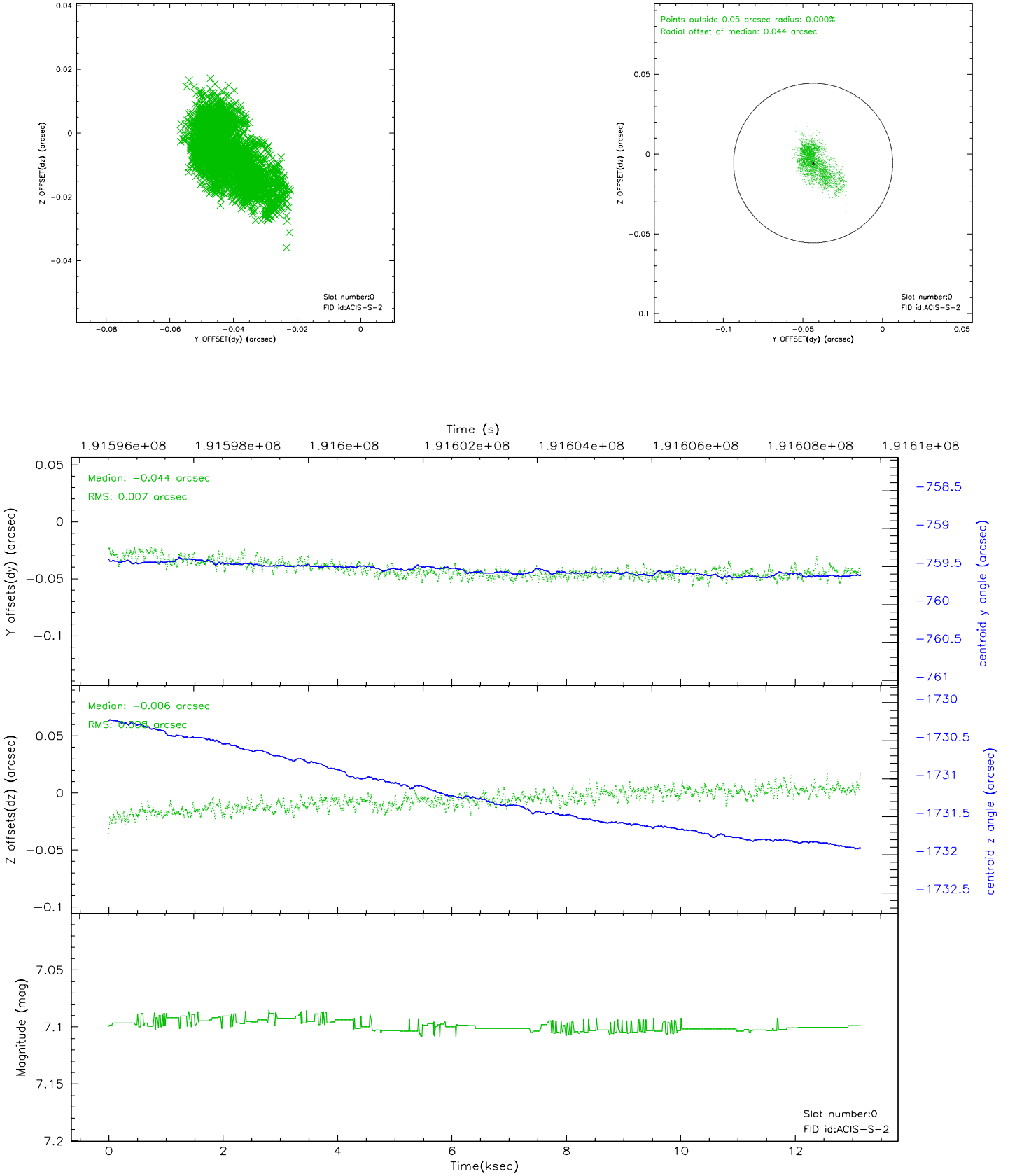


## 2.4.5 Slot 7

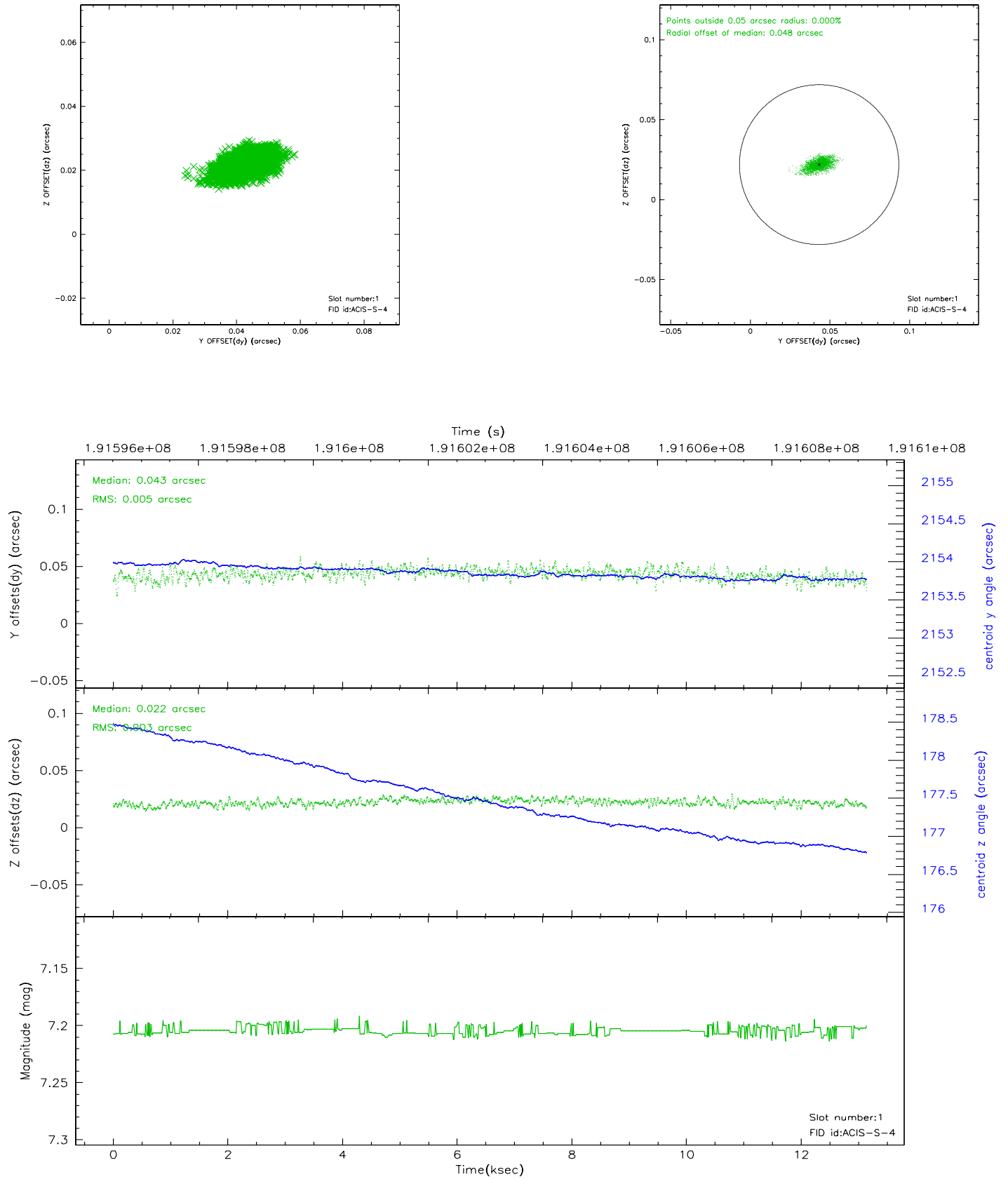


## 2.5 FID Slots

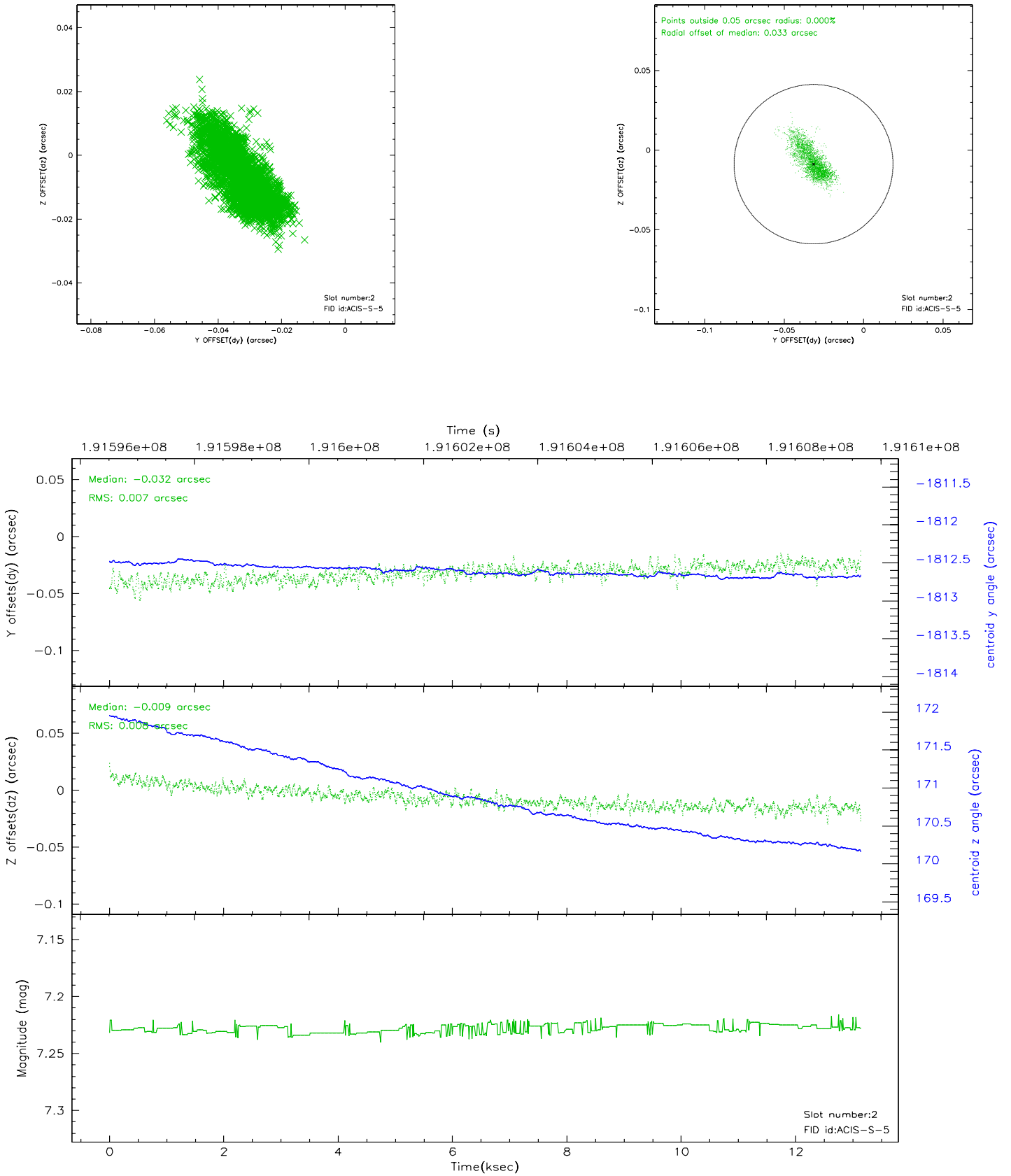
### 2.5.1 Slot 0



## 2.5.2 Slot 1

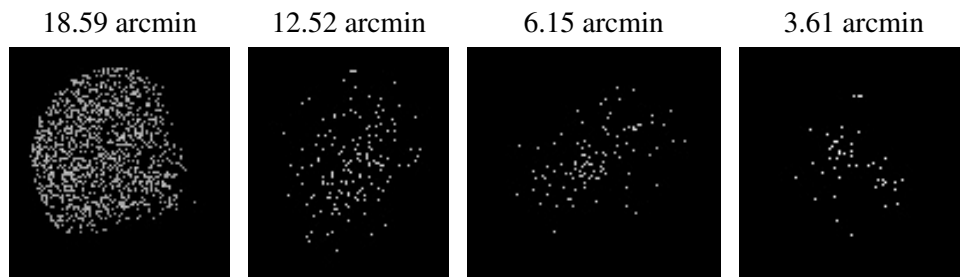


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.139

### A.2 Comments