

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3954 - L2 Version 001  
Chandra X-Ray Center

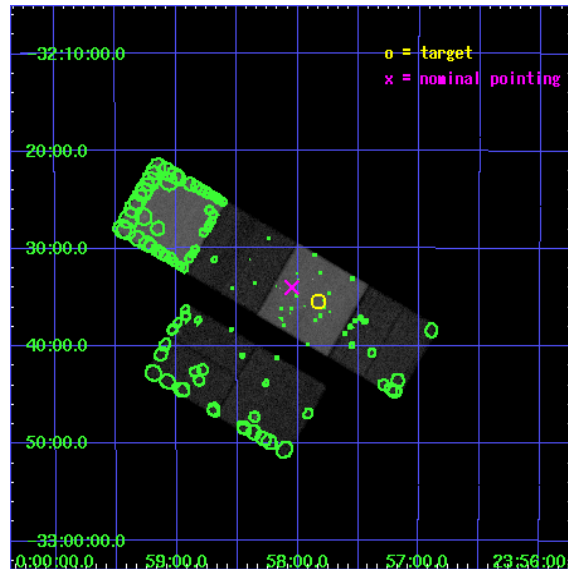
L2 Processing Date : Jul 6 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

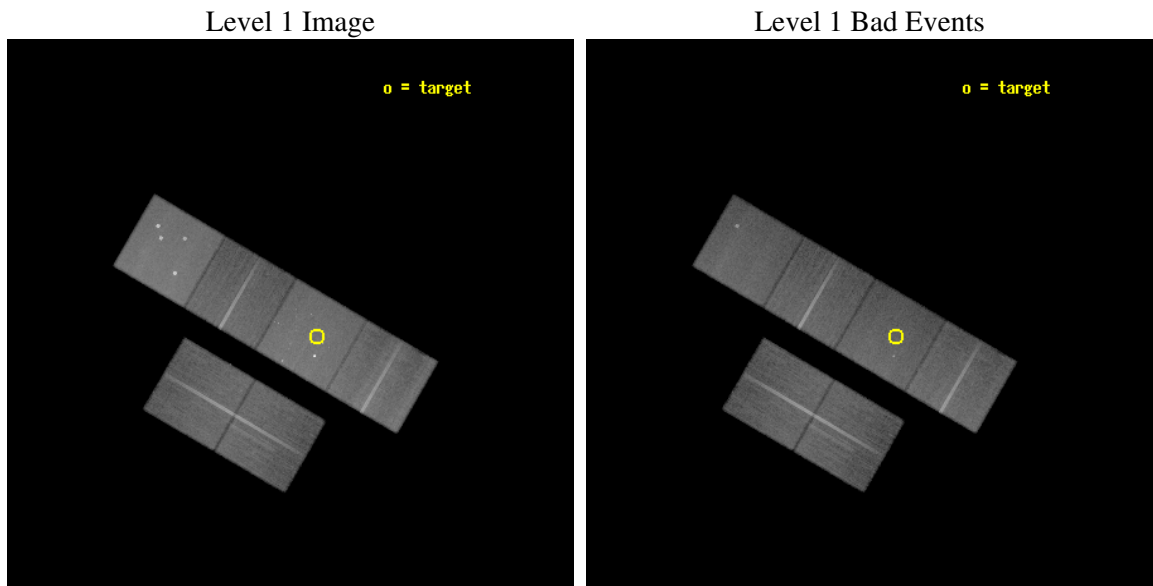
seq_num	600328
obs_id	3954
title	AN X-RAY SEARCH FOR EXTRAGALACTIC SUPERNOVA REMNANTS IN THE SCULPTOR GROUP GALAXIES NGC 300 AND NGC 7793
observer	Dr. Thomas Pannuti
object	NGC 7793
dtcycle	0
cycle	P
ra_targ	359.457292
dec_targ	-32.591528
ra_nom	359.51204262425
dec_nom	-32.567037893581
roll_nom	30.244261071052
revision	2
ontime	49564.799815357
livetime	48937.180475755
ontime2	49558.317834914
ontime3	49555.076864719
ontime5	49564.799815357
ontime6	49558.317864686
ontime7	49564.799815357
ontime8	49558.317854792
l2events	493378



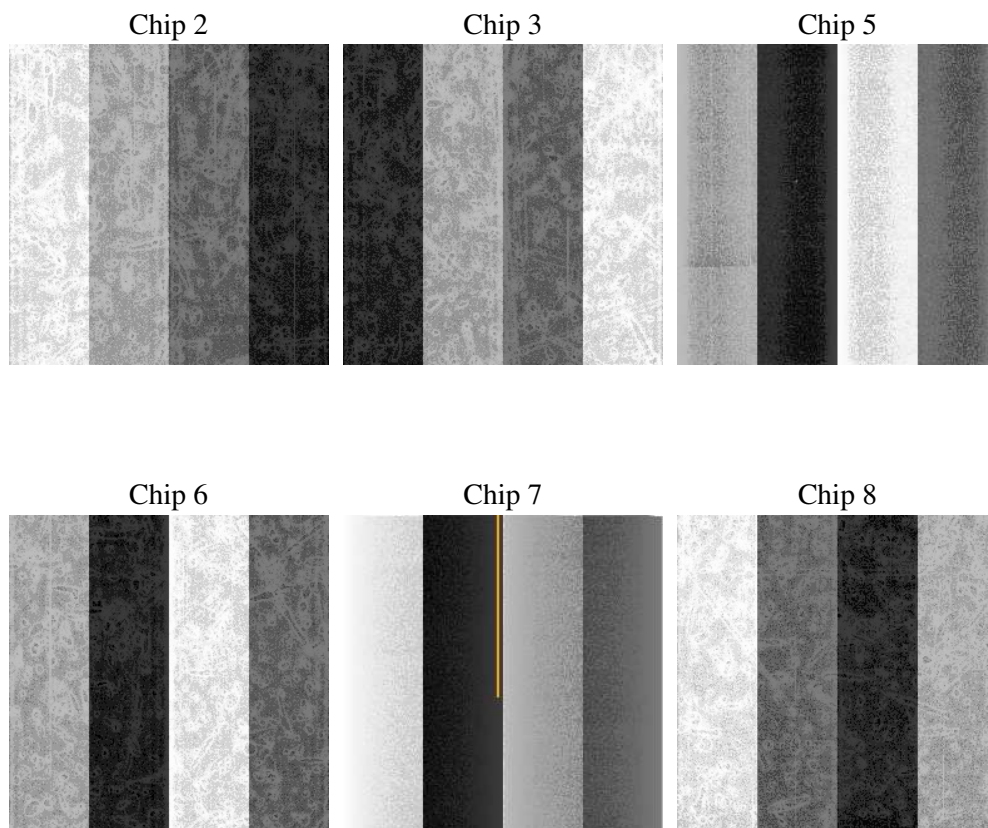
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-06T03:09:15
revision	2

sched_exp_time	49384.303000
ontime	49720.324570447
ontime2	49713.842590004
ontime3	49710.601609915
ontime5	49720.324570447
ontime6	49713.842619777
ontime7	49720.324570447
ontime8	49713.842609882
l1events	2226009

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	314151	305085	473287	312985	431532	388969
rejected events	277779	269440	257985	276185	257942	307369
rejected %	88%	88%	54%	88%	59%	79%

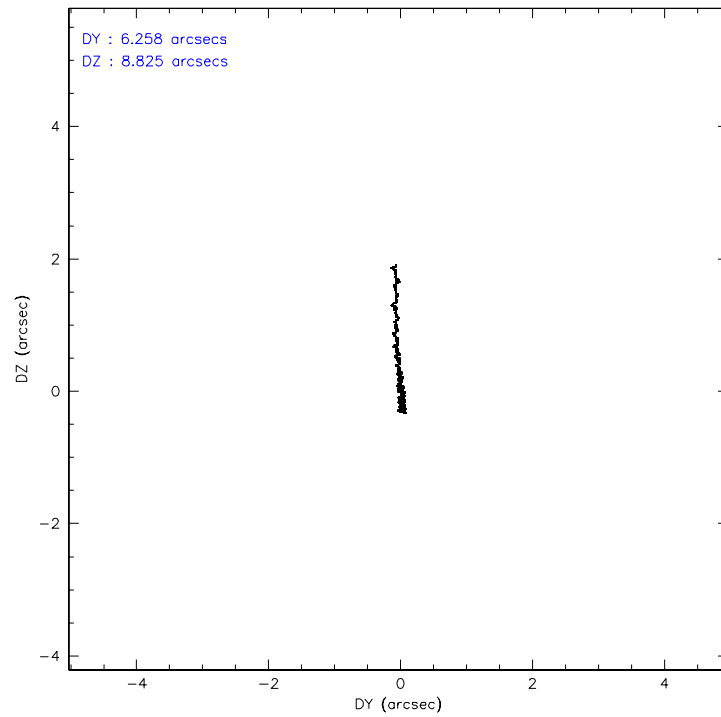
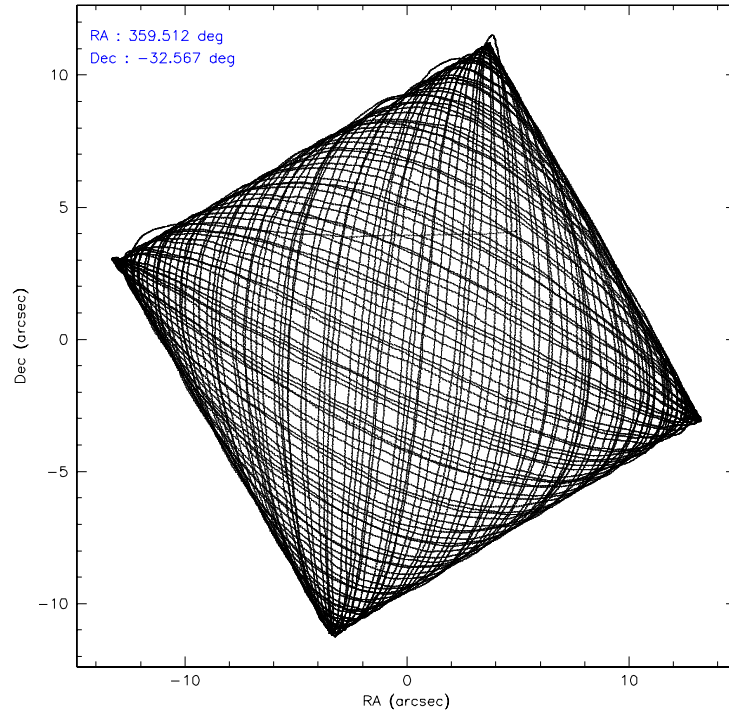
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16159	15737	26343	14842	13229	26694
	5%	5%	5%	4%	3%	6%
grade 1 events	194	198	376	139	290	238
	0%	0%	0%	0%	0%	0%
grade 2 events	7368	6823	64814	7531	43025	17539
	2%	2%	13%	2%	9%	4%
grade 3 events	3545	3603	4692	3633	9498	8488
	1%	1%	0%	1%	2%	2%
grade 4 events	3479	3520	4353	3541	9186	8156
	1%	1%	0%	1%	2%	2%
grade 5 events	12374	13072	21976	14316	27349	18220
	3%	4%	4%	4%	6%	4%
grade 6 events	5924	6074	115779	7361	99171	20930
	1%	1%	24%	2%	22%	5%
grade 7 events	265108	256058	234954	261622	229784	288704
	84%	83%	49%	83%	53%	74%

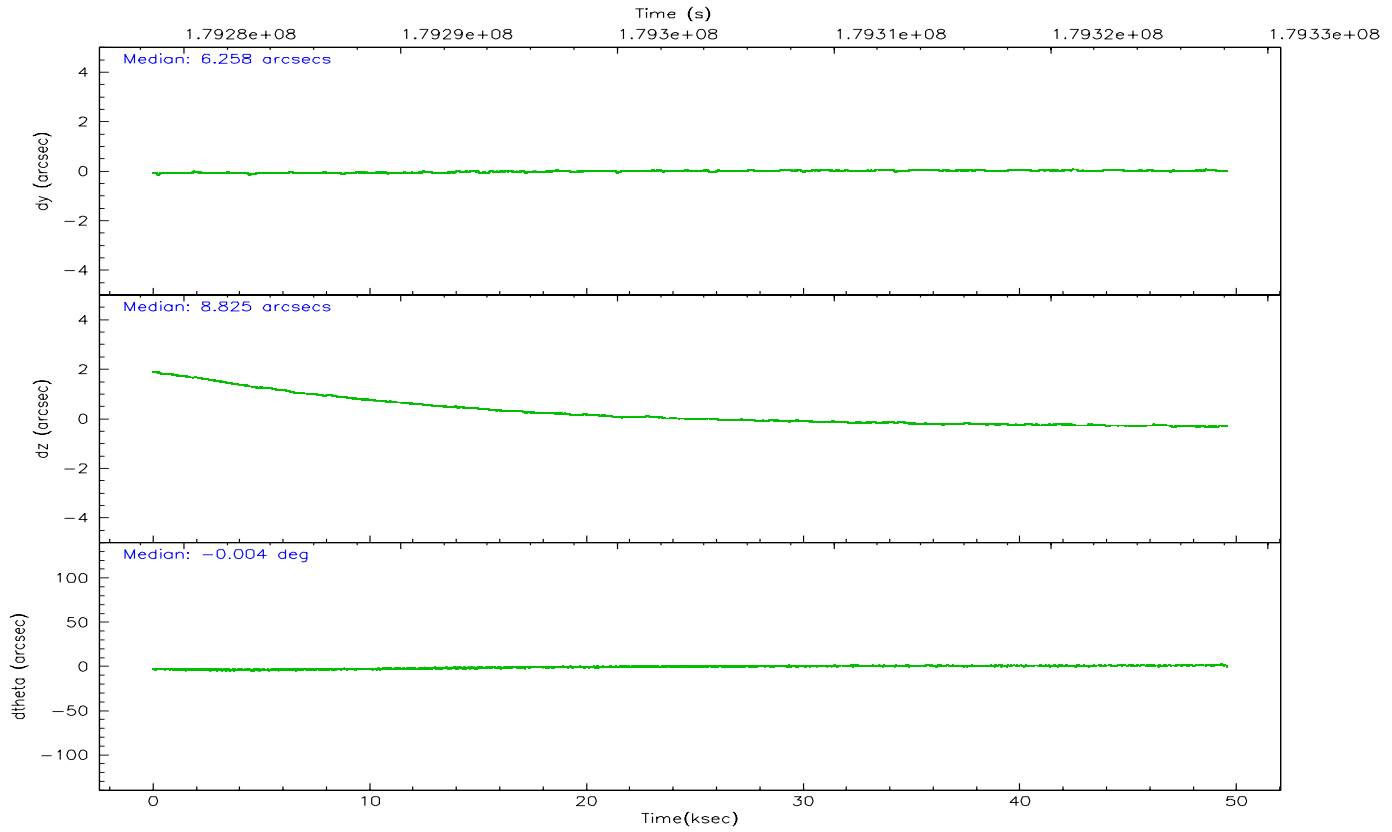
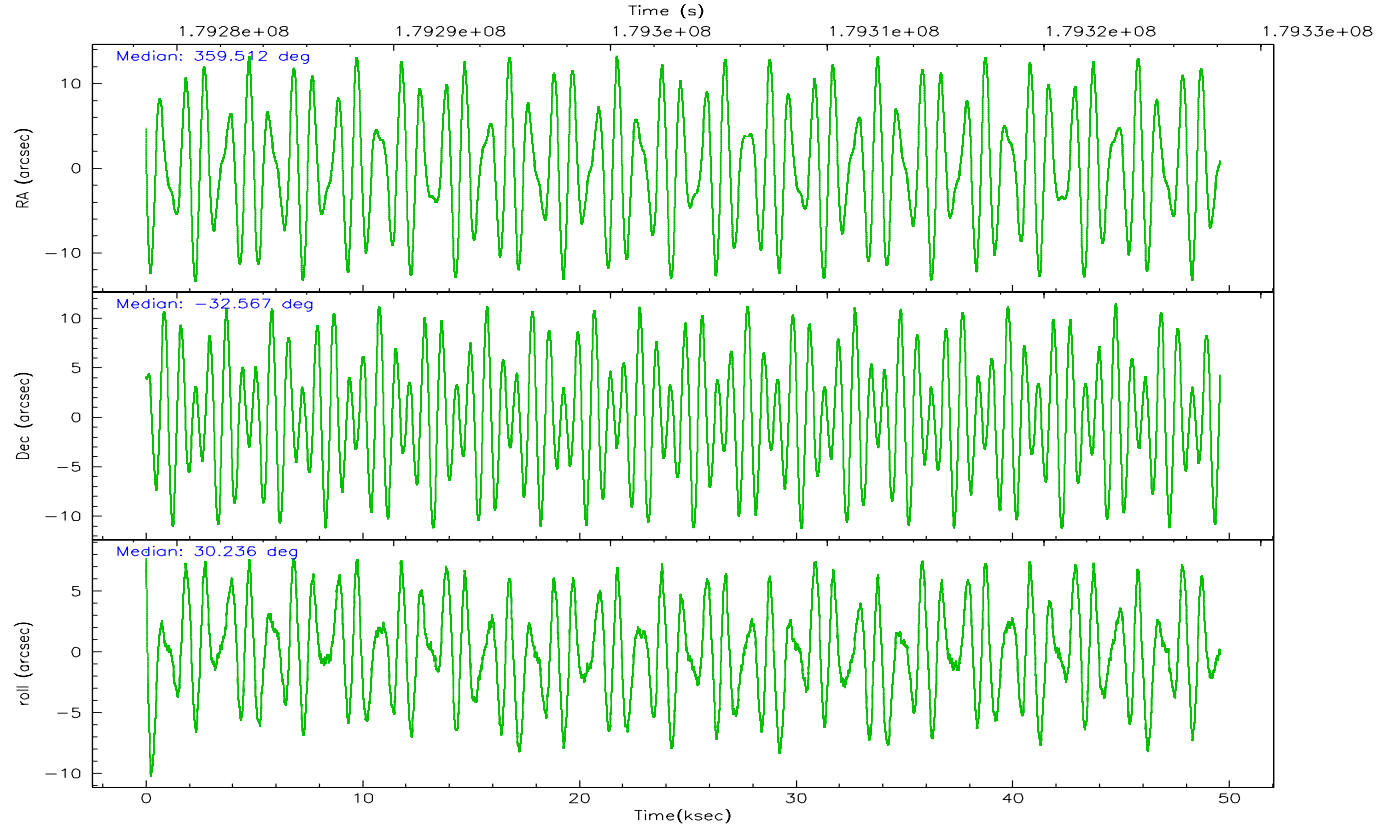


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	359.496424	359.5120426242457	Alternating exposures requested	N	N
Pointing Dec	-32.590851	-32.56703789358122	Primary exposure time	0.000000	3.2
Pointing Roll	30.079221	30.2442610710516			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	179278761.184000	179277614.80259			
Observation start date	2003-09-06T23:38:17	2003-09-06T23:20:14			
Observation end time	179328145.184000	179328459.92977			
Observation end date	2003-09-07T13:21:21	2003-09-07T13:27:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



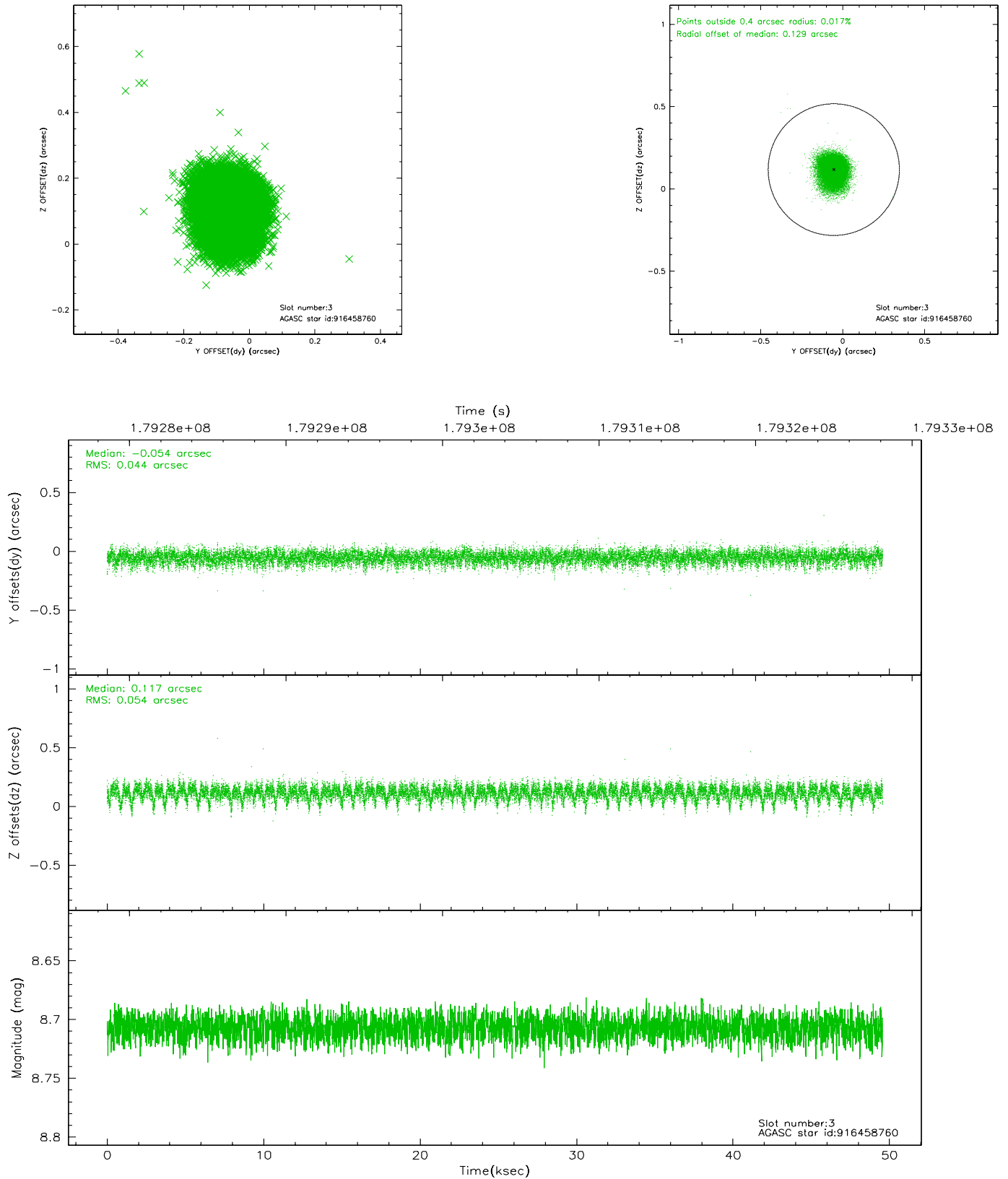


### Slot Statistics

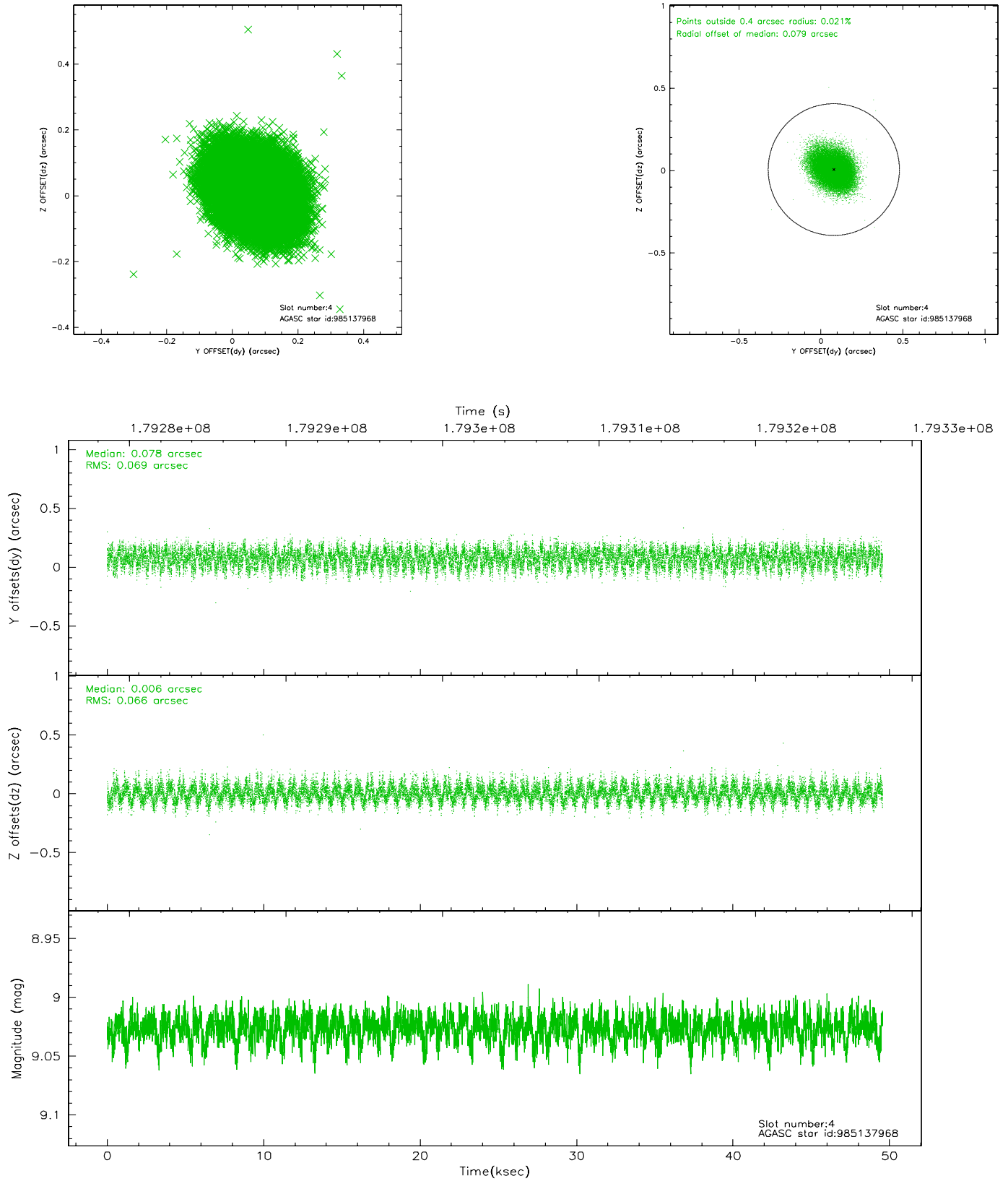
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12089	0.007	0.007	0.020	0.036	0.000000	0.000000	937.02	-1725.89
1	FID	ACIS-S-4	7.21	12089	0.004	-0.004	0.009	0.025	0.000000	0.000000	2154.45	178.26
2	FID	ACIS-S-5	7.23	12090	-0.036	0.009	0.014	0.027	0.000000	0.000000	-1811.88	171.89
3	GUIDE	916458760	8.71	24172	-0.054	0.117	0.073	0.123	0.208450	-32.735965	1600.60	-1538.29
4	GUIDE	985137968	9.03	24170	0.078	0.006	0.103	0.161	358.620671	-32.471818	-2092.18	1694.30
5	GUIDE	985140880	9.91	24159	-0.020	-0.246	0.134	0.216	358.983712	-32.099667	-469.02	2310.70
6	GUIDE	985533536	7.19	24181	-0.044	-0.004	0.065	0.100	359.409808	-33.189108	-1304.73	-1732.83
7	GUIDE	985538384	9.30	24161	0.045	0.136	0.108	0.176	359.535631	-33.132150	-873.86	-1745.23

## 2.4 Star Slots

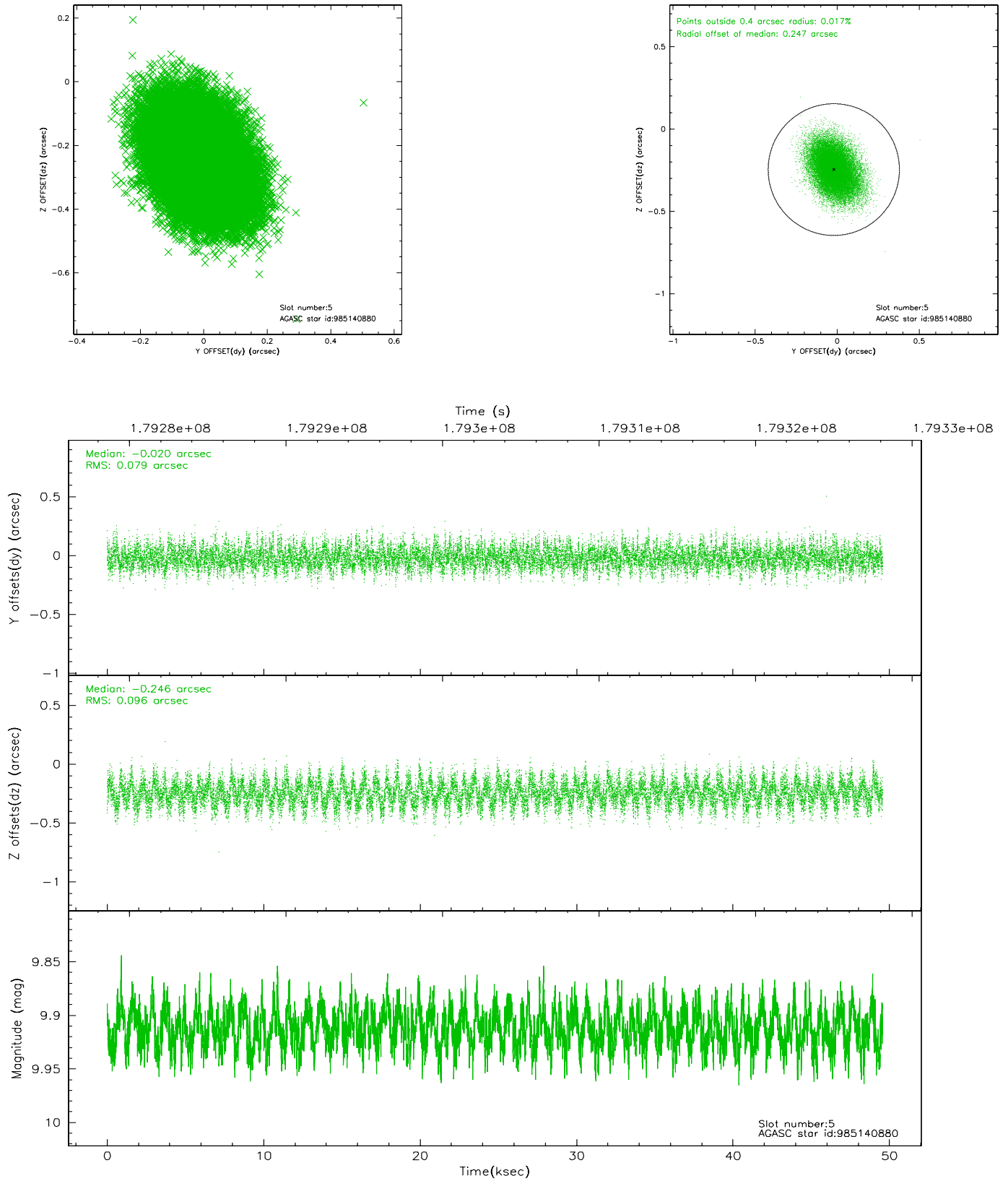
### 2.4.1 Slot 3



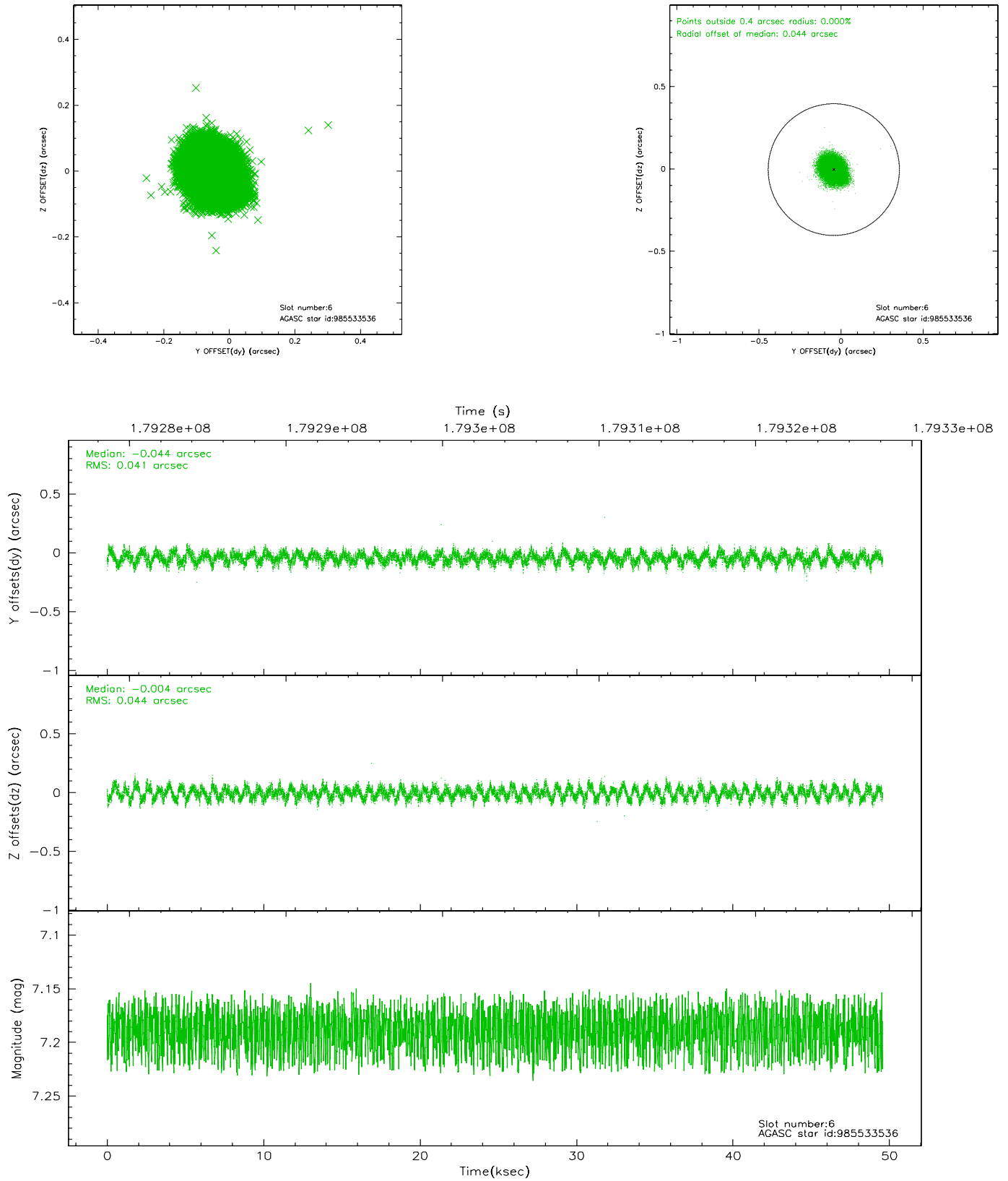
## 2.4.2 Slot 4



### 2.4.3 Slot 5

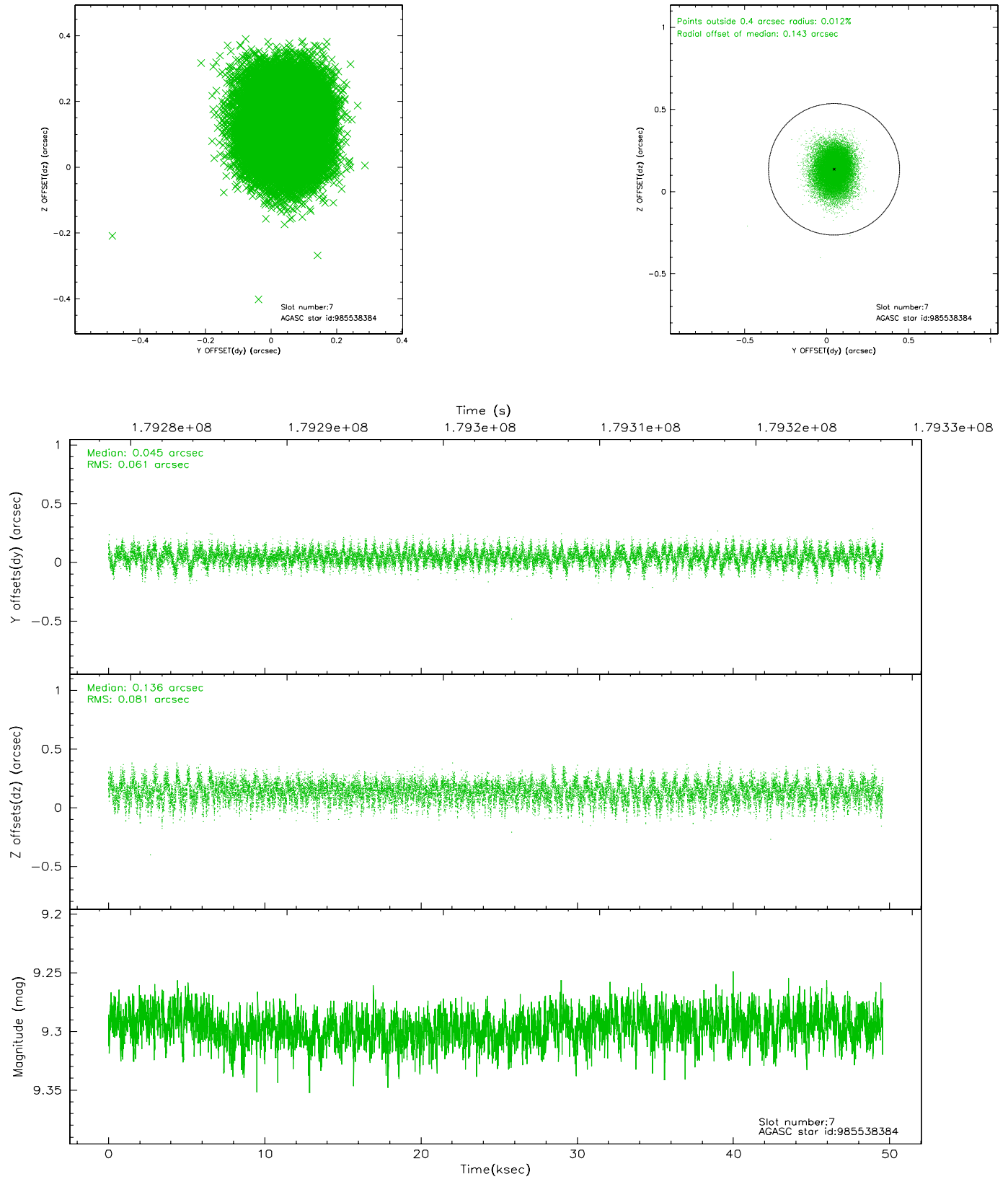


## 2.4.4 Slot 6



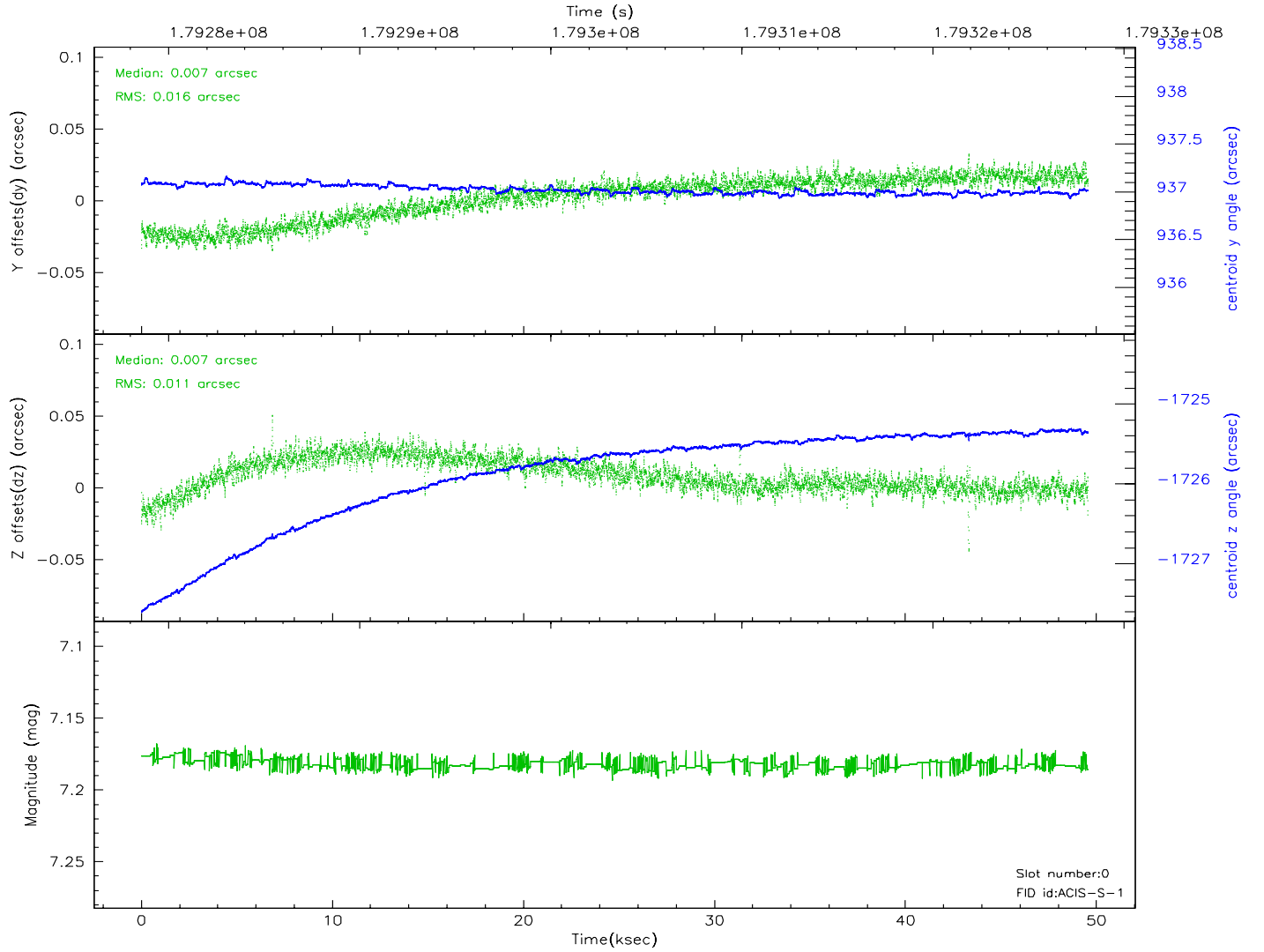
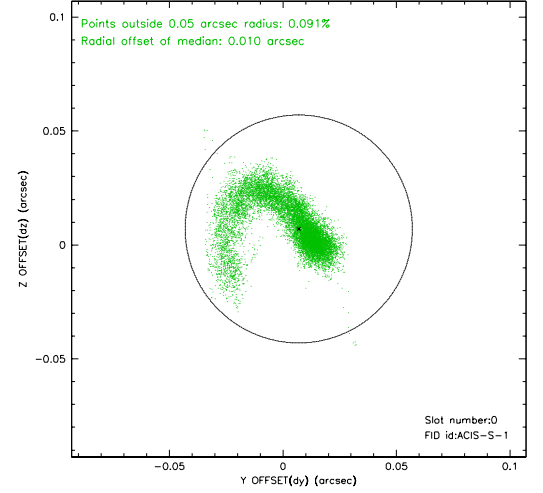
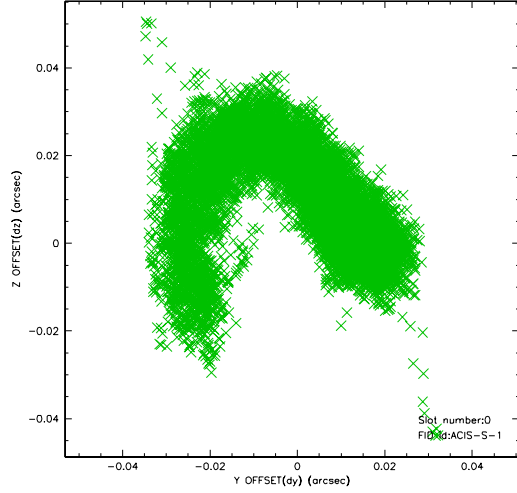


## 2.4.5 Slot 7

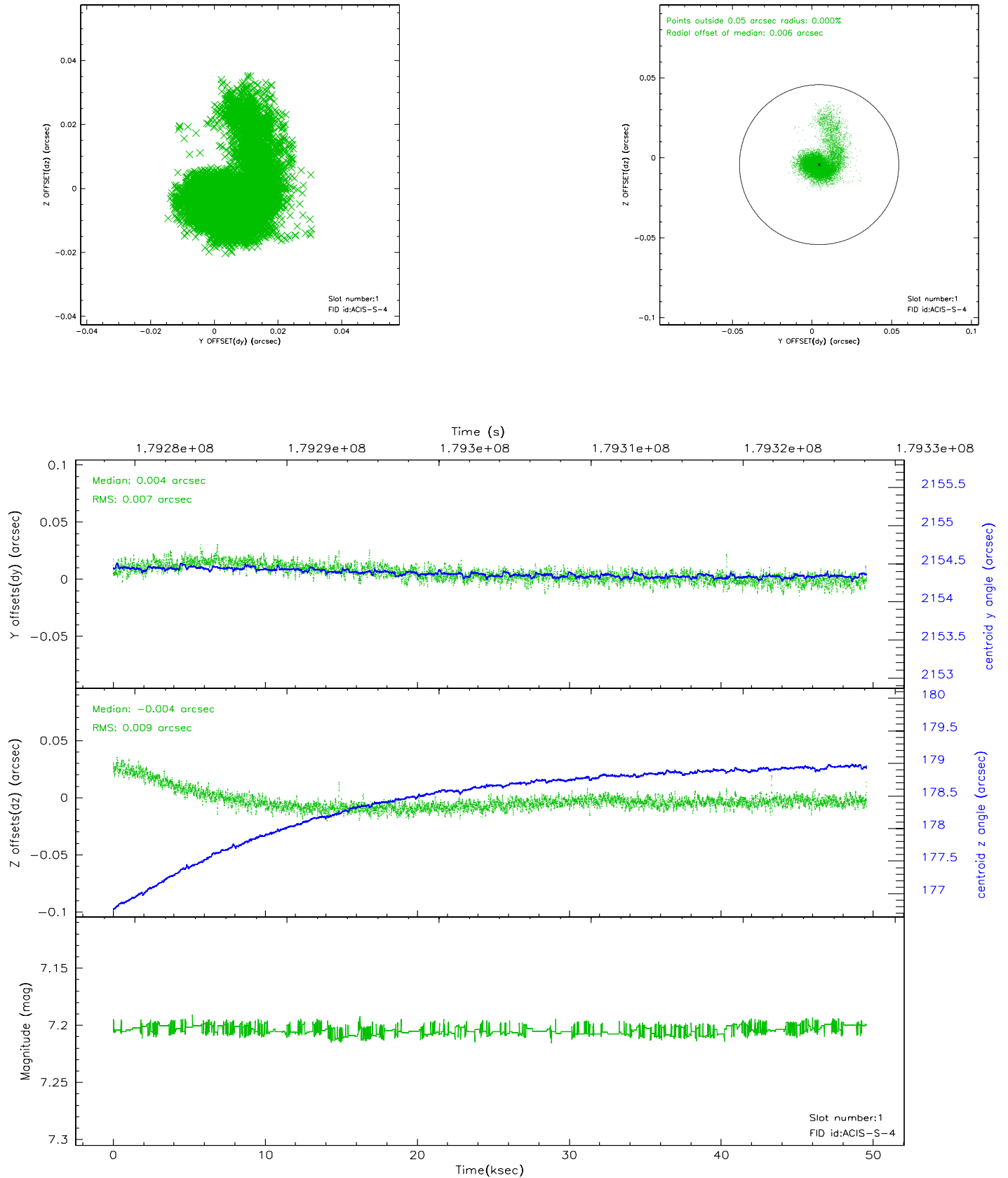


## 2.5 FID Slots

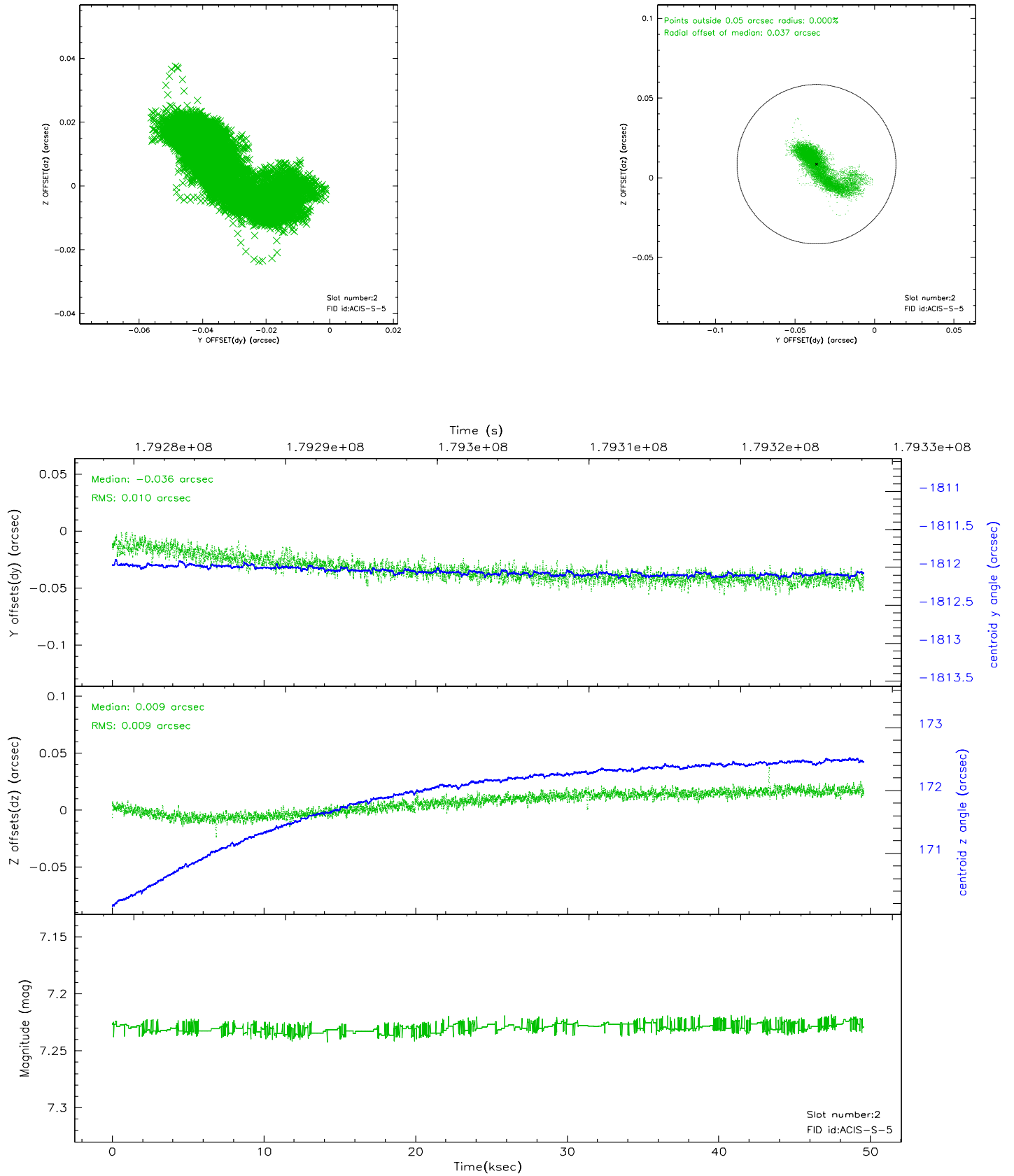
### 2.5.1 Slot 0



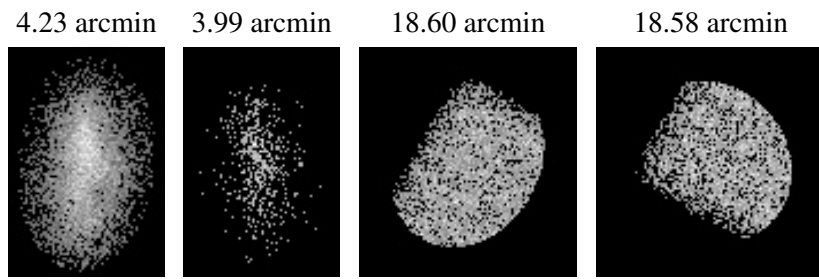
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.564

### A.2 Comments