

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4981 - L2 Version 001  
Chandra X-Ray Center

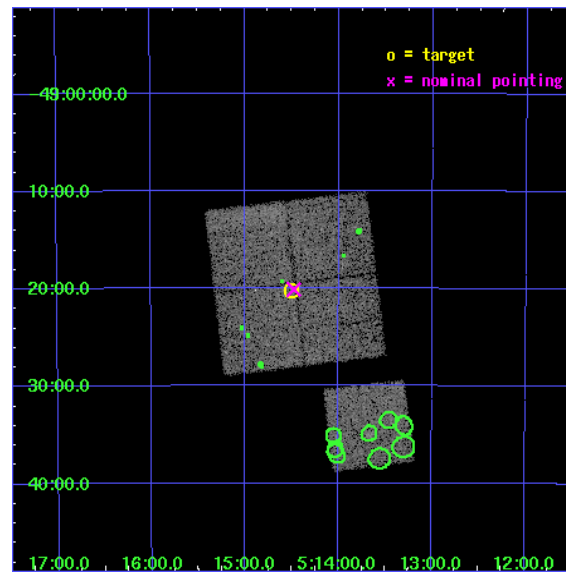
L2 Processing Date : May 23 2006

## 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

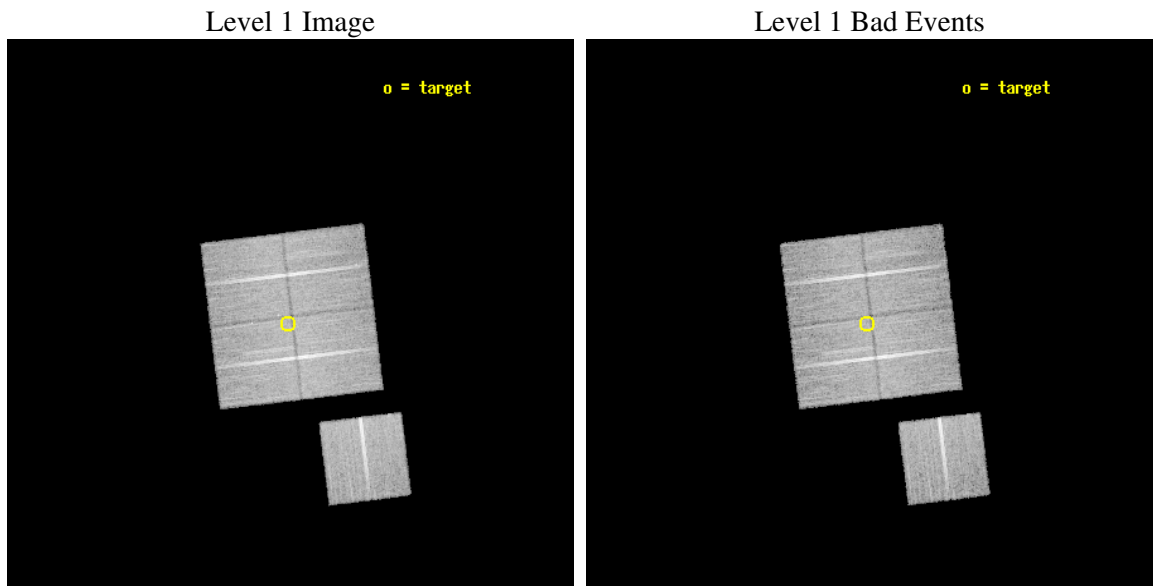
seq_num	800426
obs_id	4981
title	Chandra Observations of DLS Shear-Selected Clusters
observer	Prof. John Hughes
object	DLS J0514-4920
dtcycle	0
cycle	P
ra_targ	78.625417
dec_targ	-49.337667
ra_nom	78.619257593059
dec_nom	-49.335361481496
roll_nom	173.11953119949
revision	2
ontime	20165.499961227
livetime	19902.022858609
ontime0	20165.499961227
ontime1	20162.358990997
ontime2	20165.499961227
ontime3	20165.499961227
ontime6	20162.358990997
l2events	51817



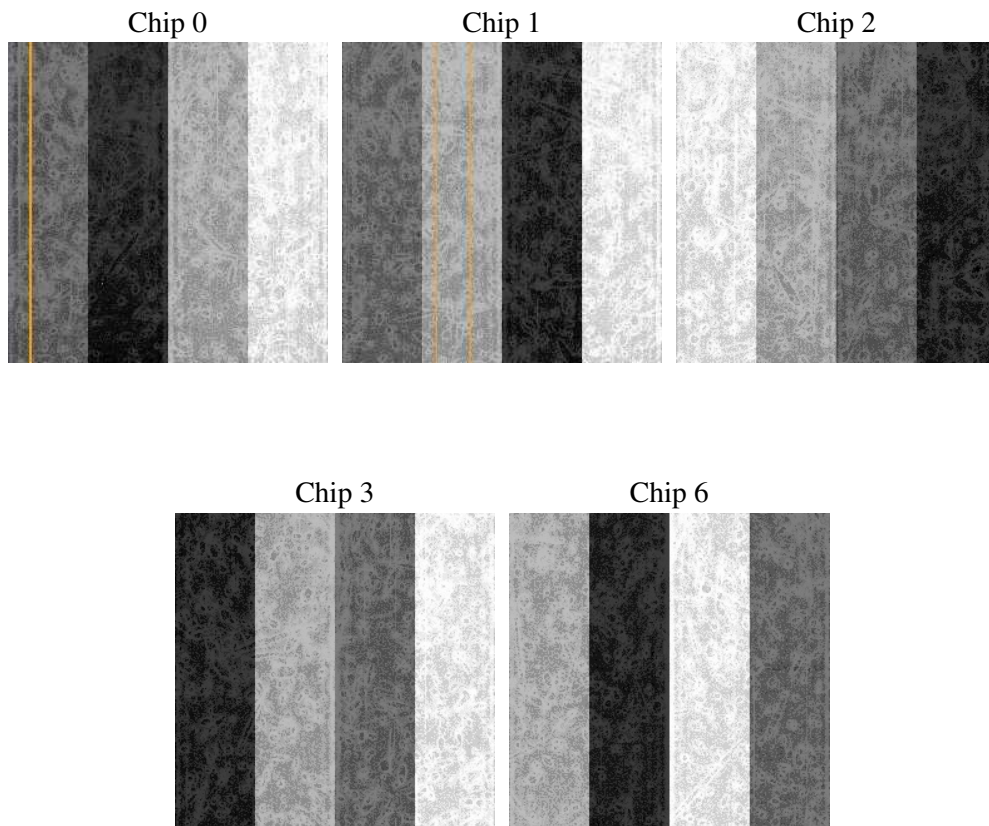
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-23T10:17:46
revision	2

sched_exp_time	20000.000000
ontime	20221.773695379
ontime0	20221.773695379
ontime1	20218.632725149
ontime2	20221.773695379
ontime3	20221.773695379
ontime6	20218.632695228
l1events	620733

### 2.1.4 Events

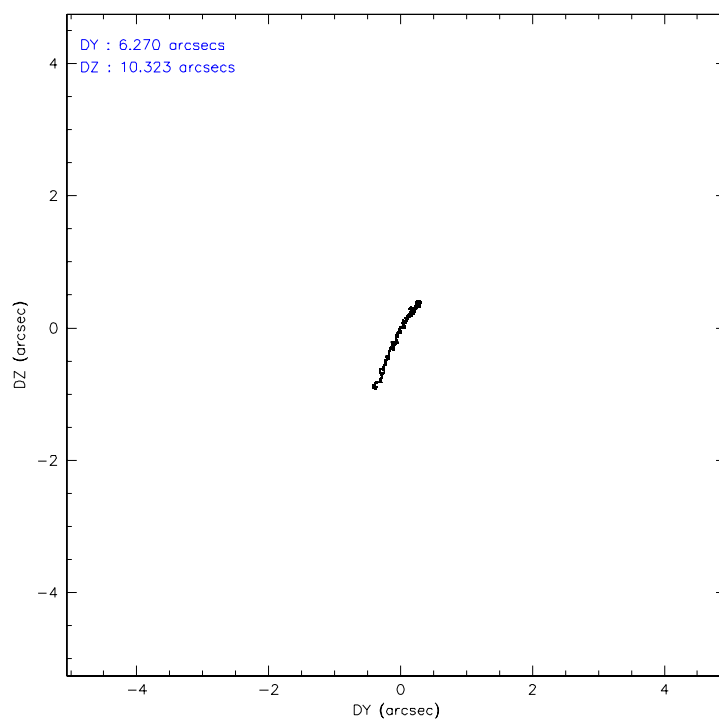
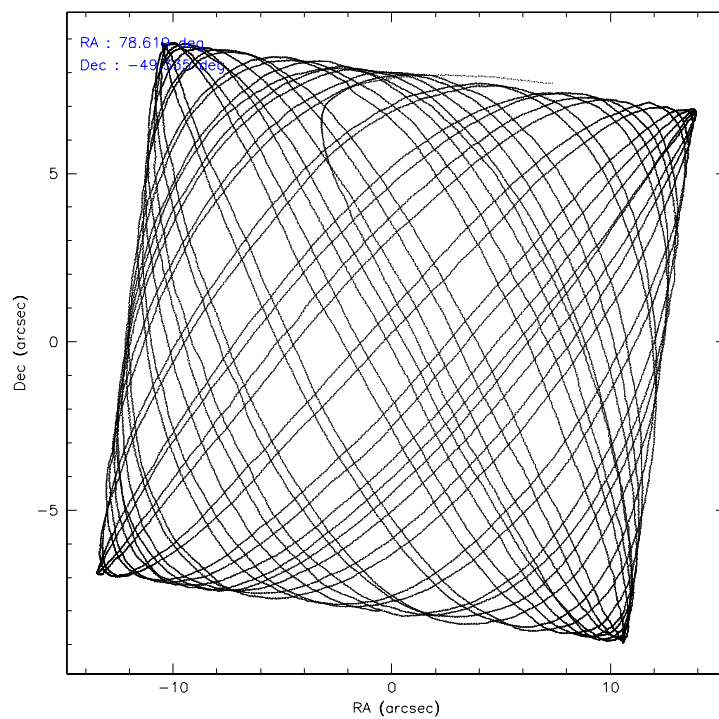
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	116630	120663	130555	127755	125130
rejected events	104377	106741	118505	116081	112669
rejected %	89%	88%	90%	90%	90%

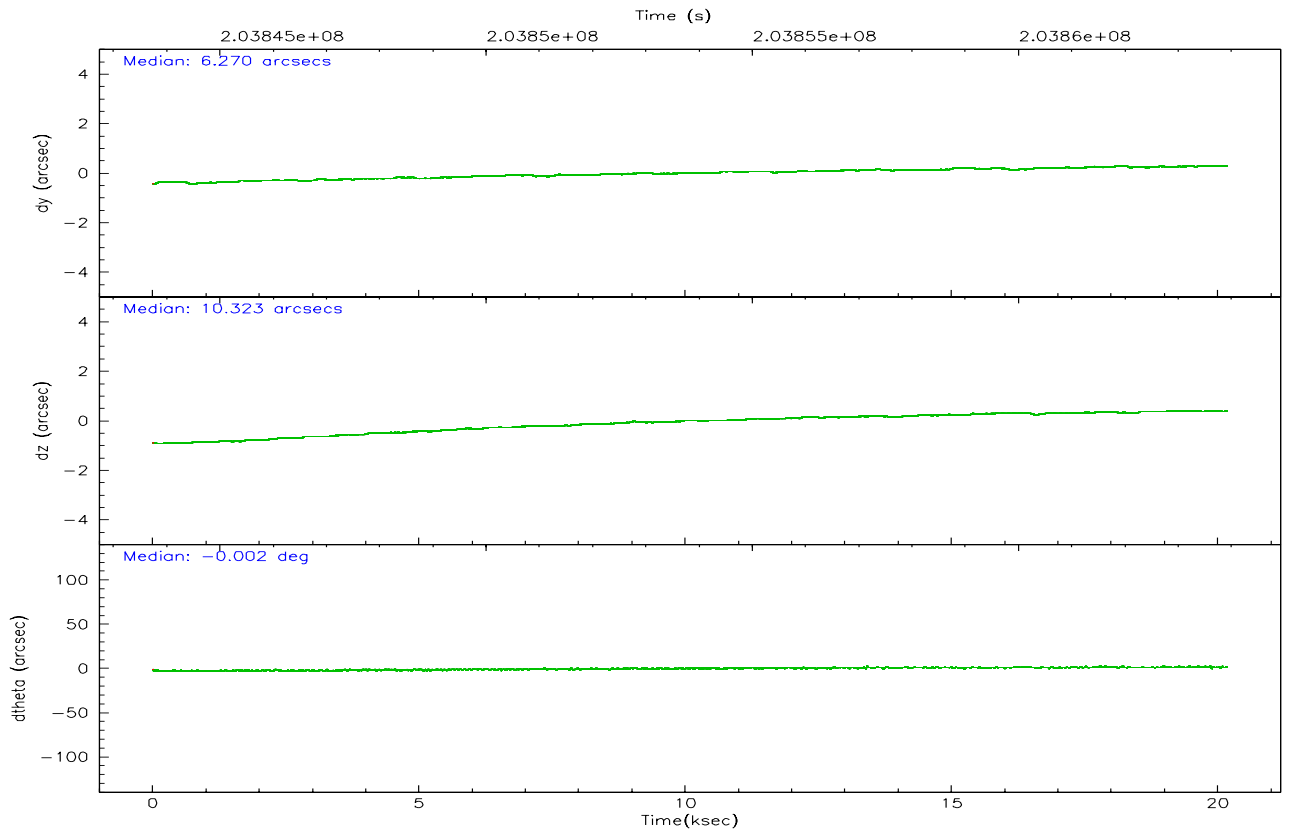
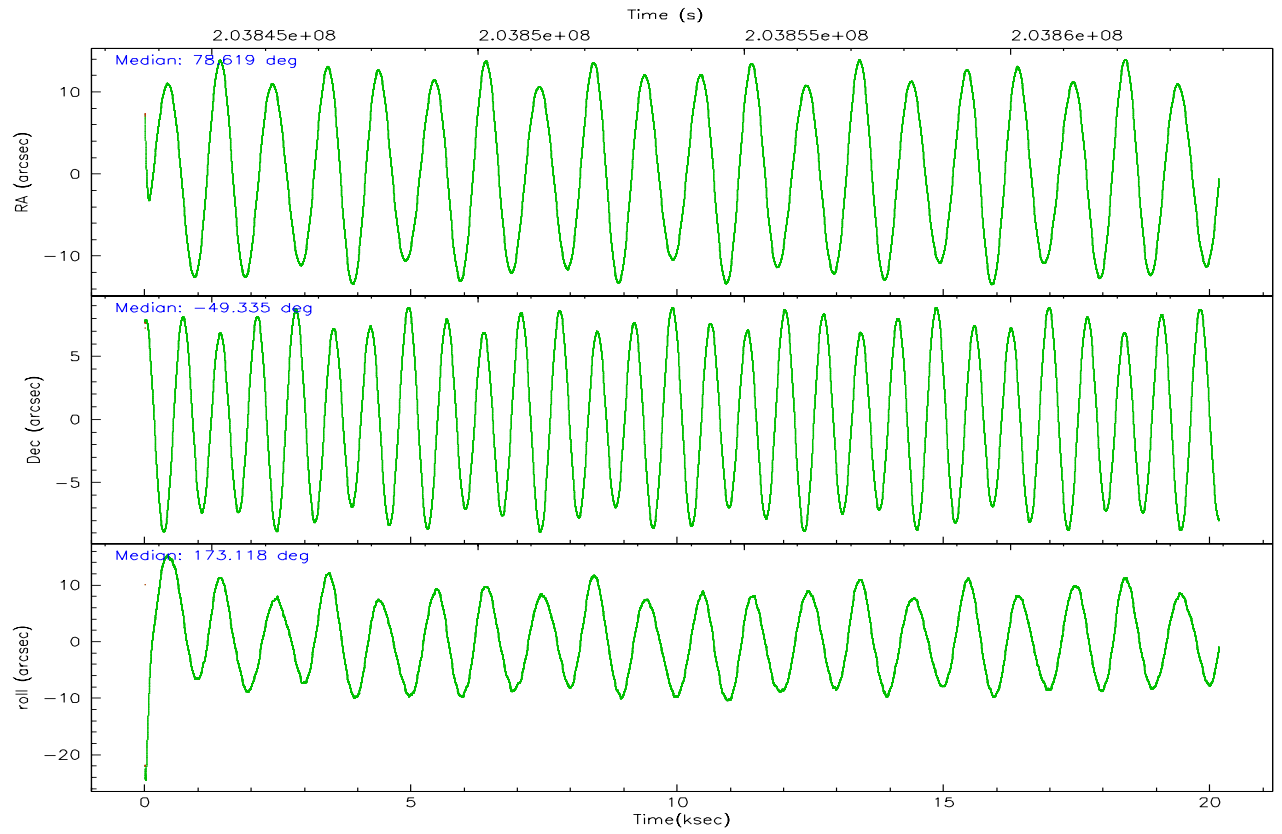
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4263	5186	4339	4165	4287
	3%	4%	3%	3%	3%
grade 1 events	58	43	68	72	58
	0%	0%	0%	0%	0%
grade 2 events	2818	2873	2794	2494	2646
	2%	2%	2%	1%	2%
grade 3 events	1522	1605	1367	1388	1471
	1%	1%	1%	1%	1%
grade 4 events	1306	1570	1335	1385	1440
	1%	1%	1%	1%	1%
grade 5 events	4423	4550	4167	5001	4966
	3%	3%	3%	3%	3%
grade 6 events	2382	2724	2252	2279	2657
	2%	2%	1%	1%	2%
grade 7 events	99858	102112	114233	110971	107605
	85%	84%	87%	86%	85%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	78.657811	78.61925759305865	Alternating exposures requested	N	N
Pointing Dec	-49.324500	-49.33536148149567	Primary exposure time	0.000000	3.1
Pointing Roll	172.940109	173.1195311994894			
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	203843924.184000	203842912.96149			
Observation start date	2004-06-17T07:17:40	2004-06-17T07:01:52			
Observation end time	203863924.184000	203864291.89993			
Observation end date	2004-06-17T12:51:00	2004-06-17T12:58:11			
Read mode	TIMED	TIMED			

## 2.3 Aspect





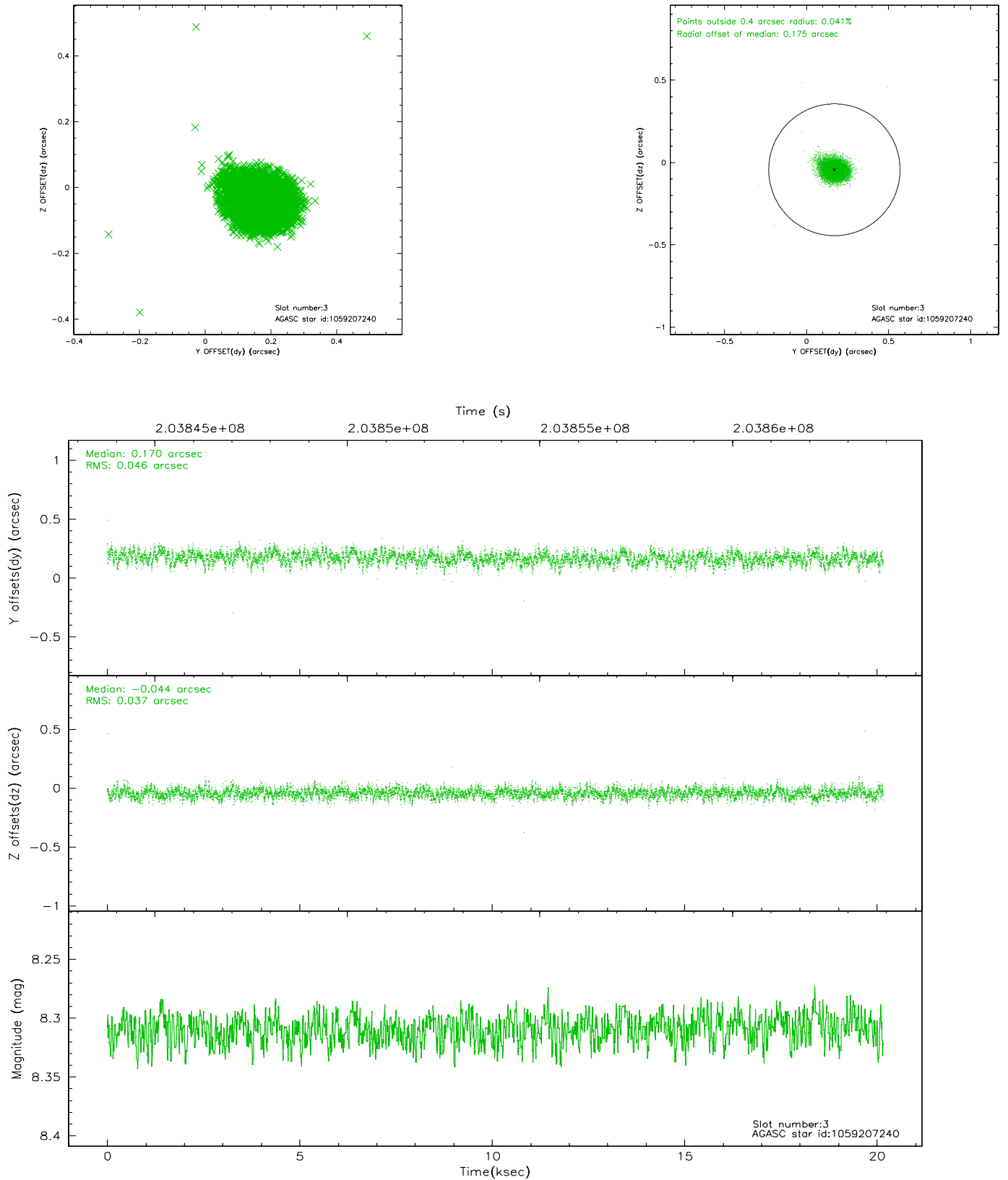
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4921	-0.009	0.040	0.011	0.022	0.000000	0.000000	933.43	-833.65
1	FID	ACIS-I-5	7.23	4921	-0.123	0.025	0.013	0.020	0.000000	0.000000	-1814.68	1063.74
2	FID	ACIS-I-6	7.25	4921	0.040	0.005	0.015	0.026	0.000000	0.000000	398.84	1708.42
3	GUIDE	1059207240	8.31	9840	0.170	-0.044	0.062	0.101	78.013724	-49.060243	1624.51	-750.79
4	GUIDE	1060244808	8.38	9838	-0.031	0.011	0.081	0.125	78.979100	-48.690695	-476.91	-2356.03
5	GUIDE	1060771312	9.39	9833	-0.070	0.050	0.084	0.133	79.424524	-48.911494	-1618.44	-1689.46
6	GUIDE	1060771728	7.66	9838	-0.110	-0.039	0.064	0.101	79.196689	-49.599626	-1370.03	832.83
7	GUIDE	1059200200	9.52	9827	0.045	0.022	0.104	0.171	77.793482	-49.012945	2162.05	-850.39

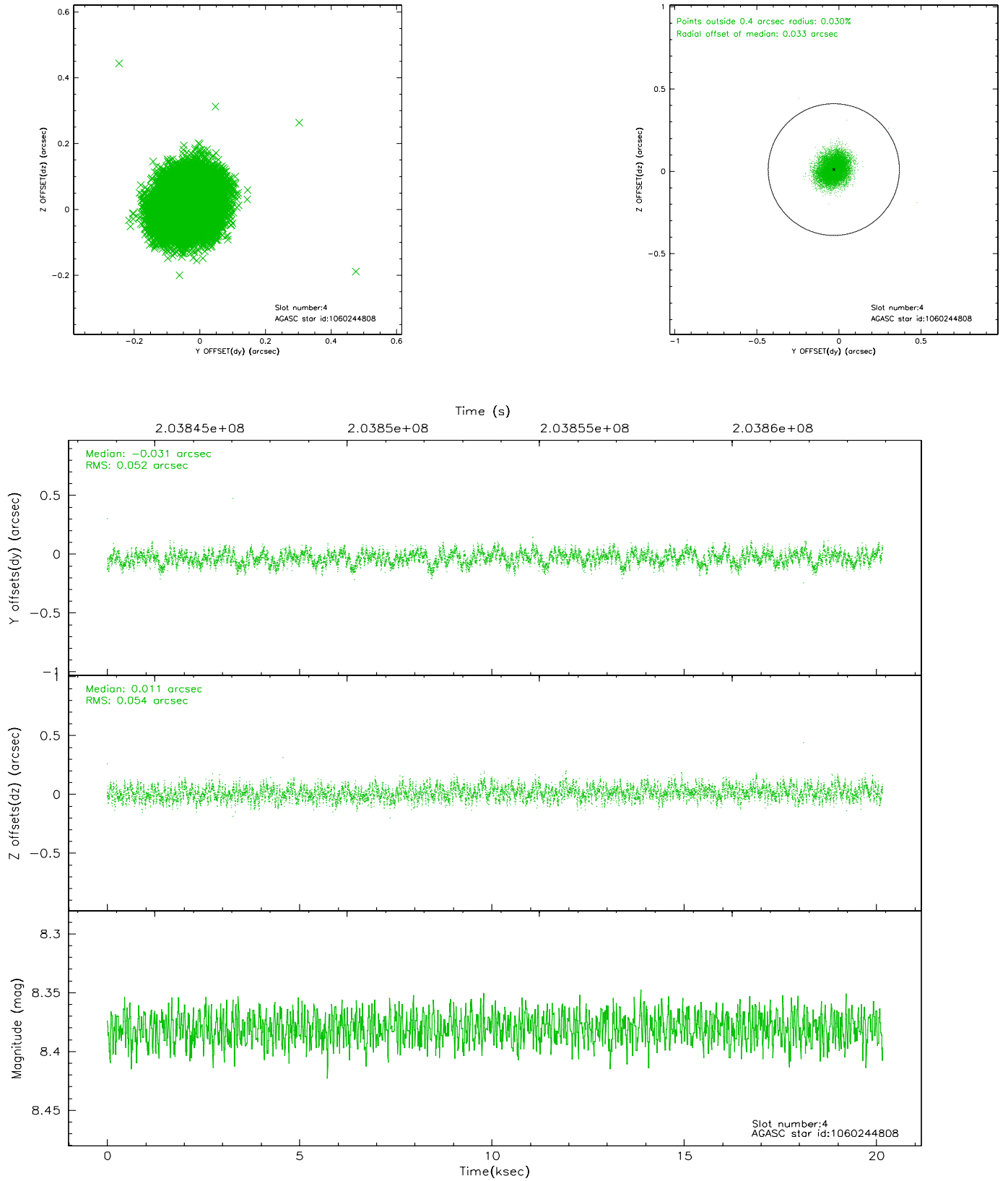


## 2.4 Star Slots

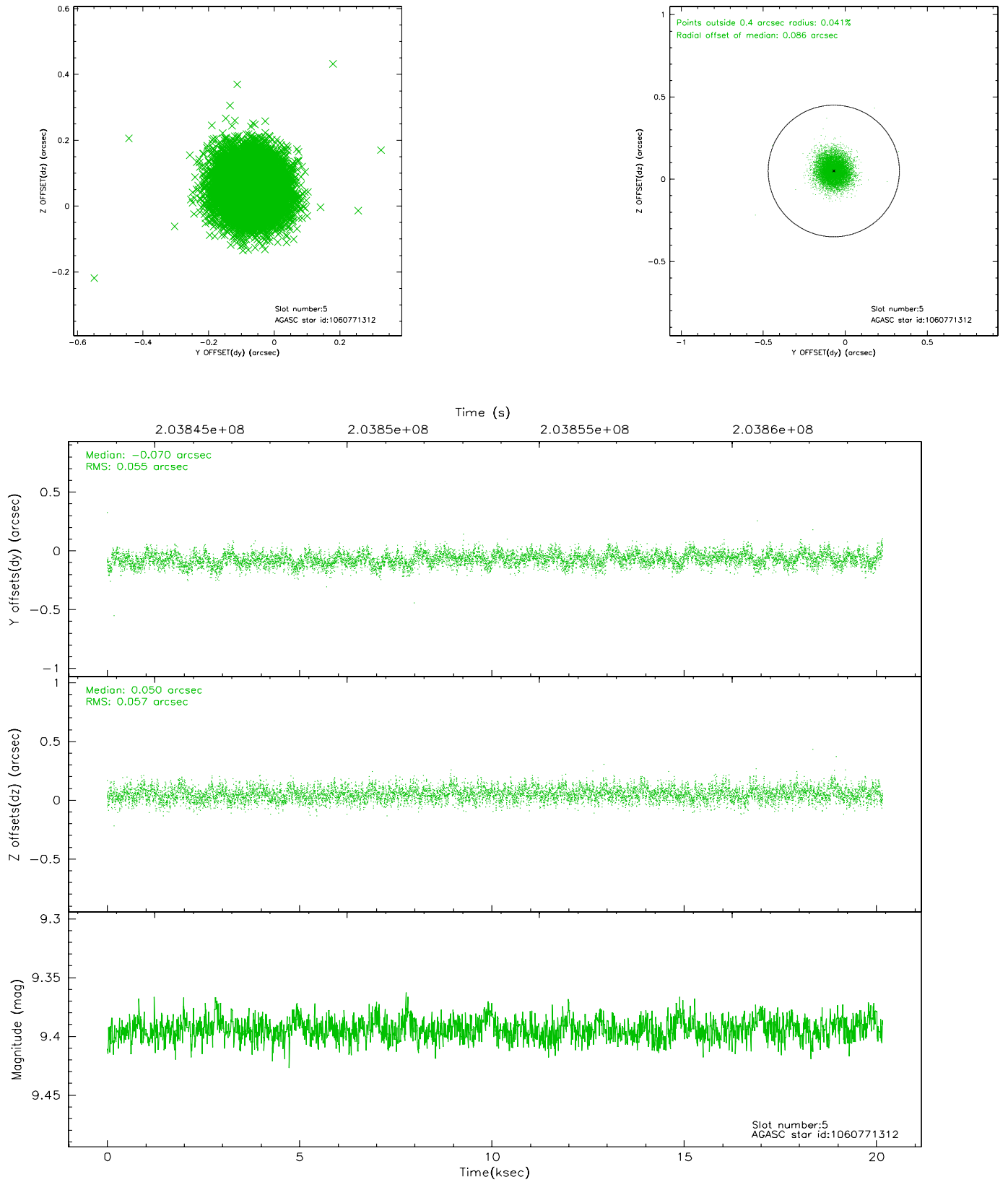
### 2.4.1 Slot 3



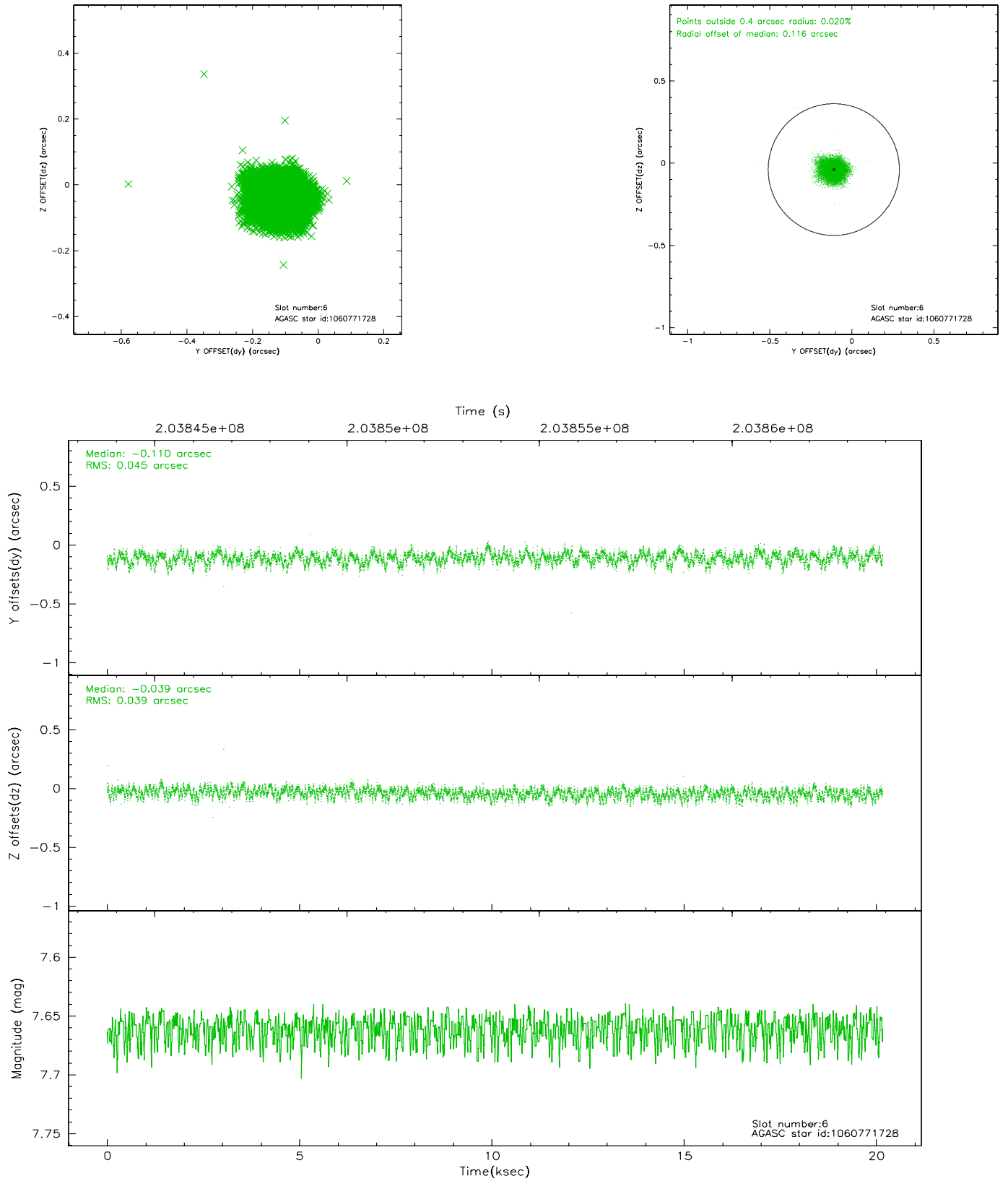
## 2.4.2 Slot 4



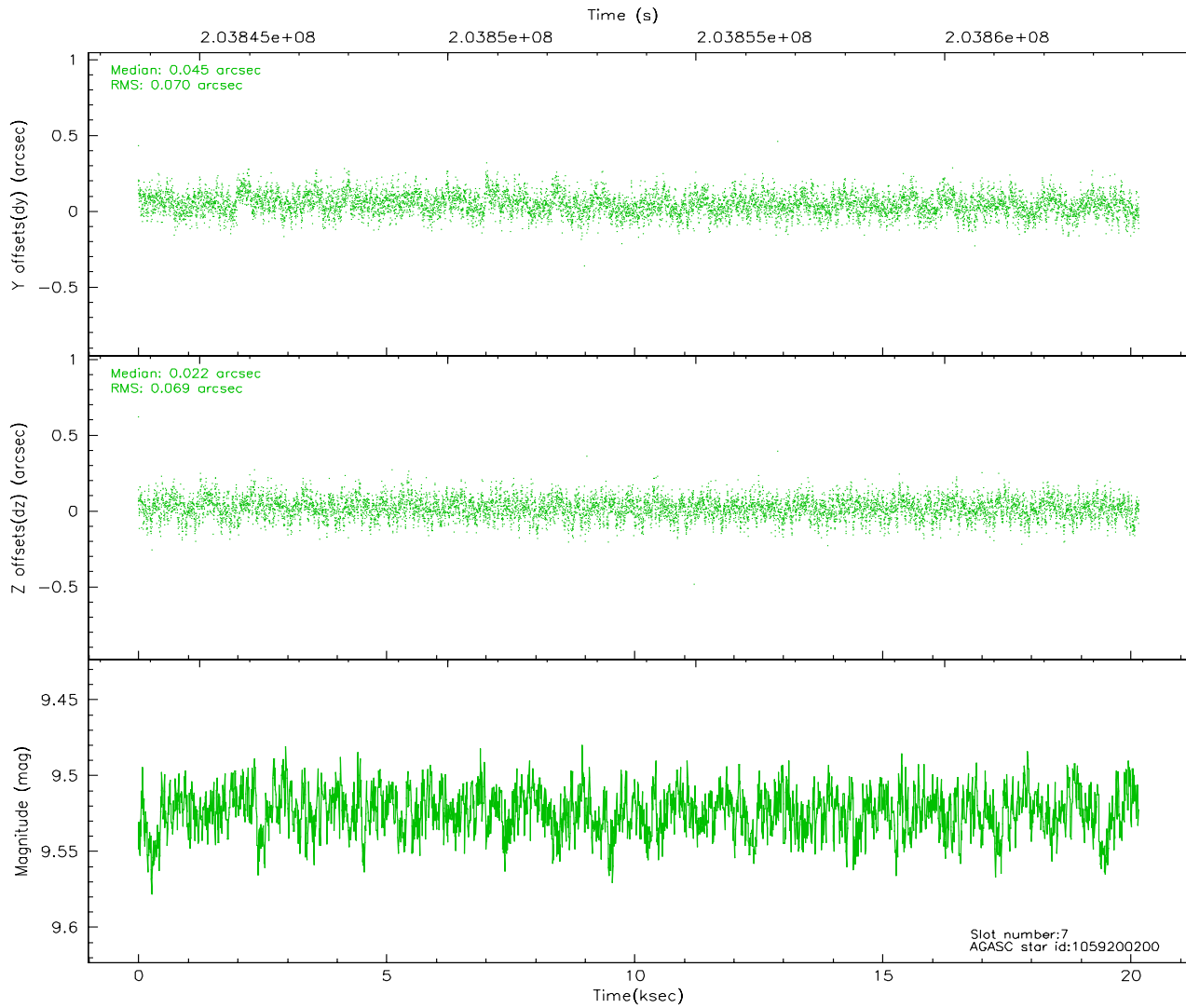
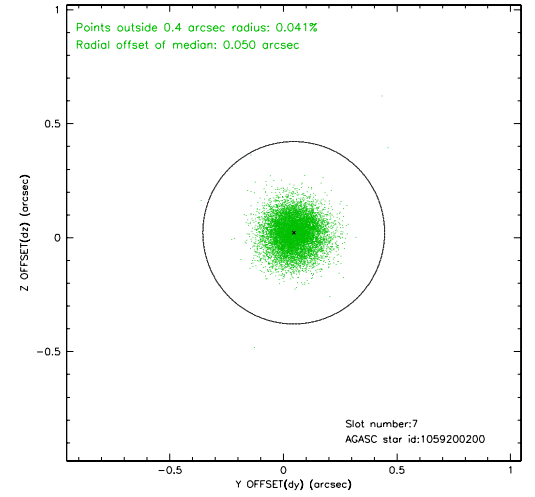
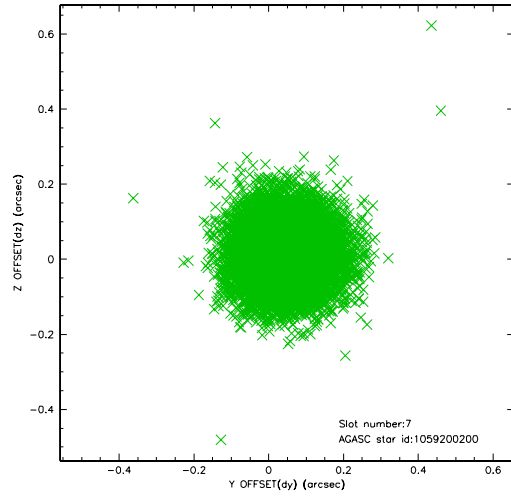
### 2.4.3 Slot 5



## 2.4.4 Slot 6

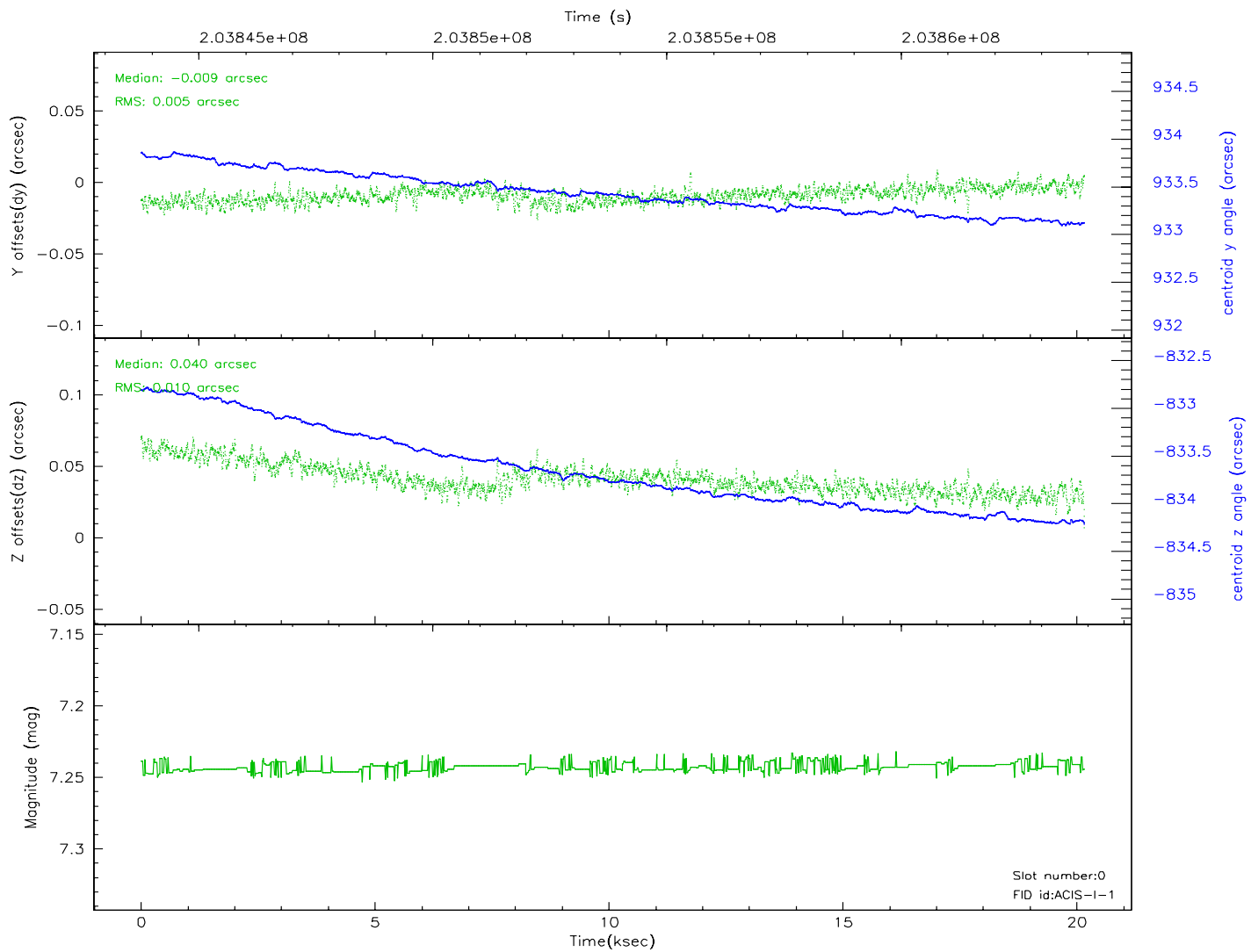
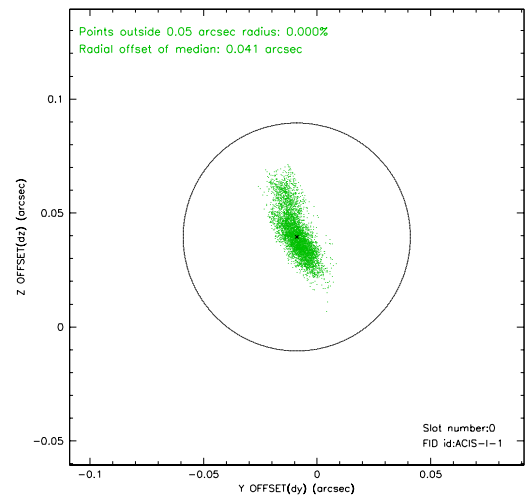
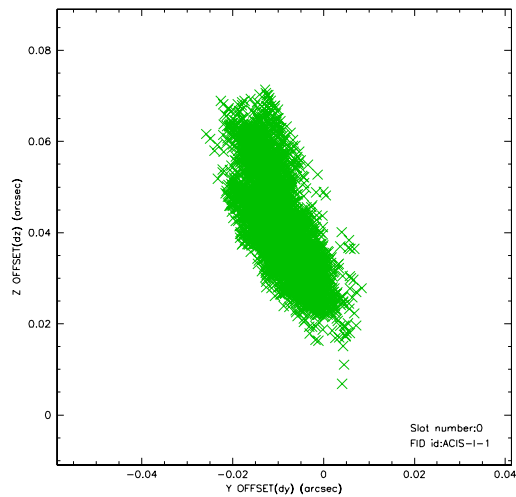


## 2.4.5 Slot 7

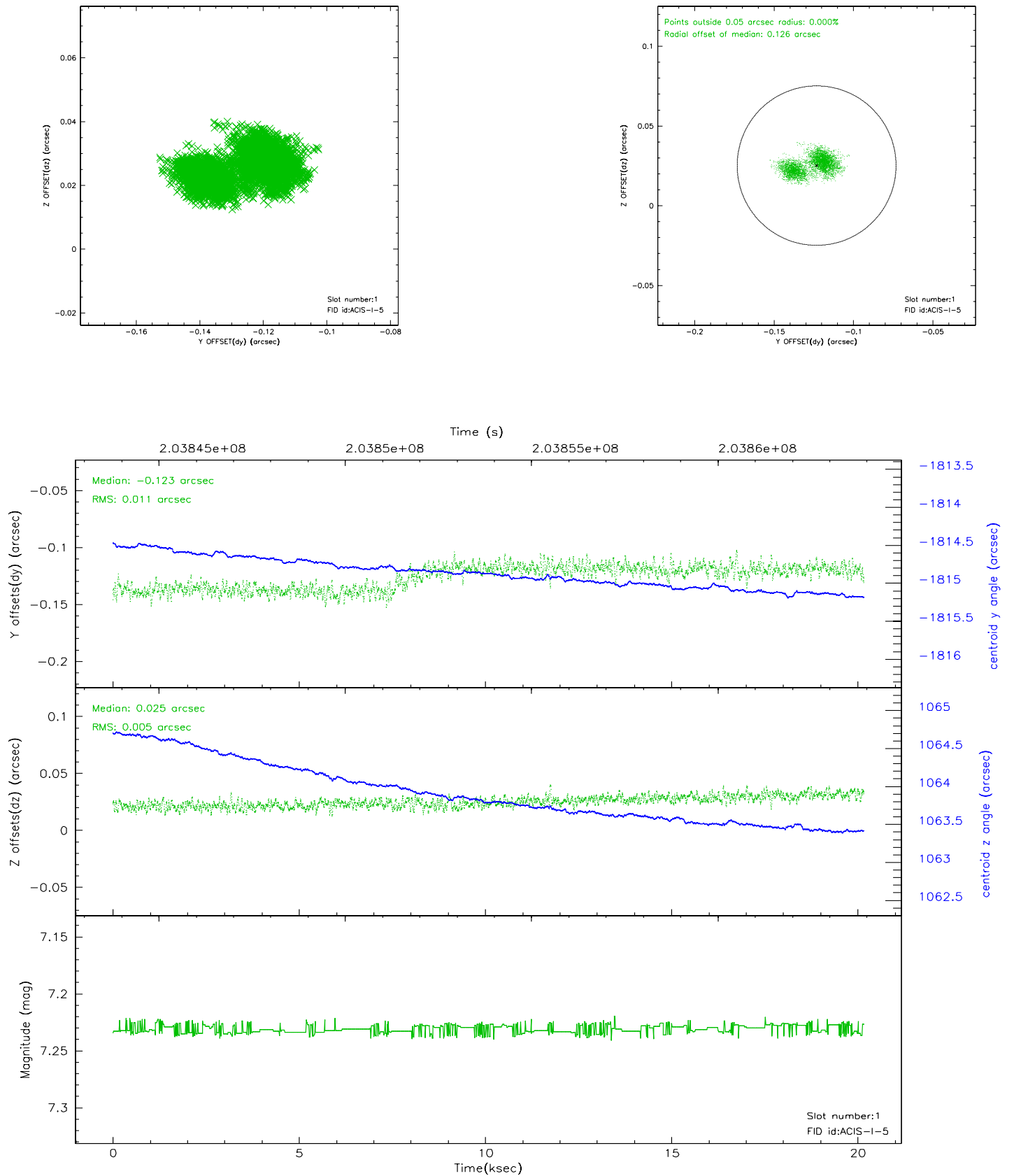


## 2.5 FID Slots

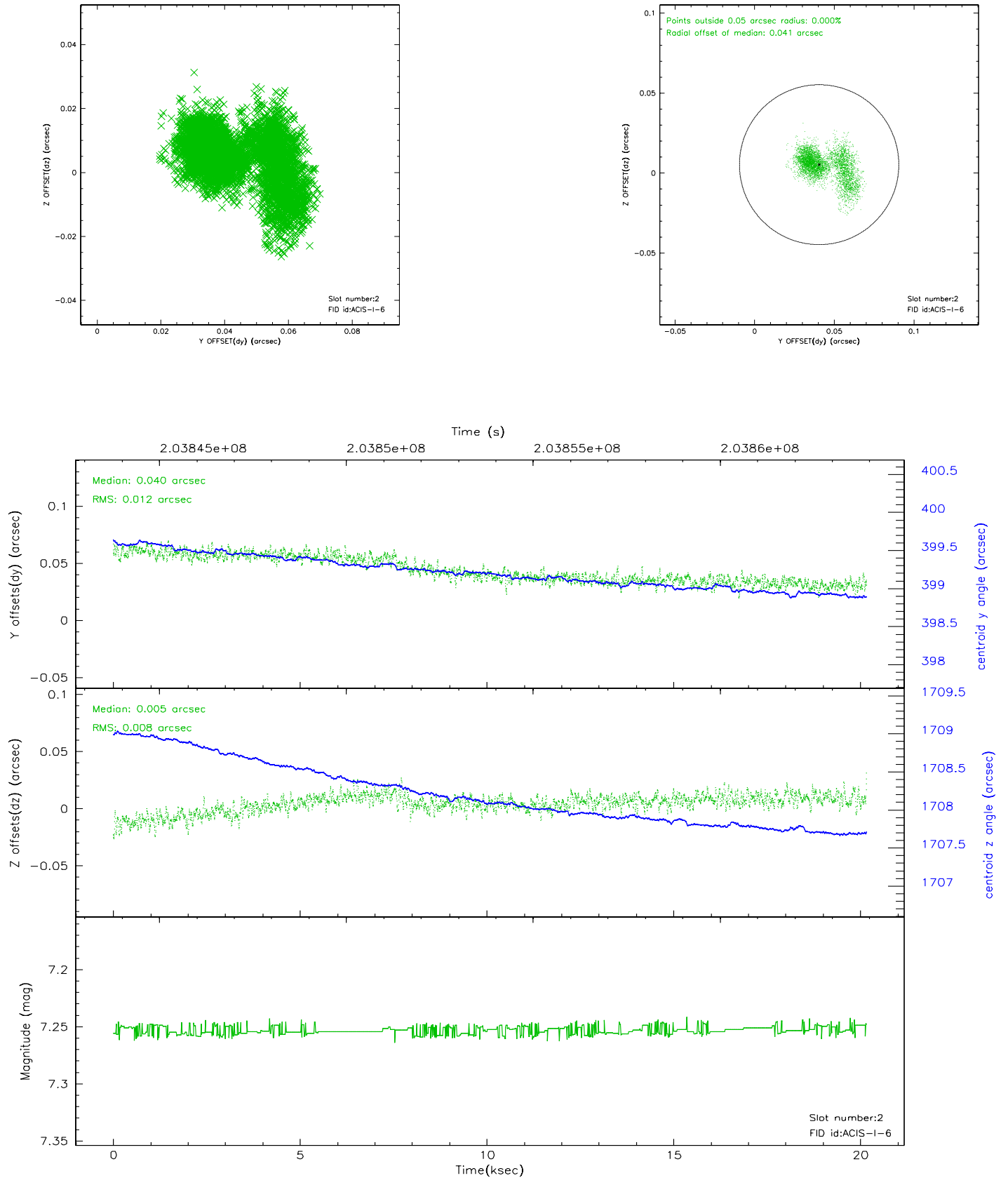
### 2.5.1 Slot 0



## 2.5.2 Slot 1

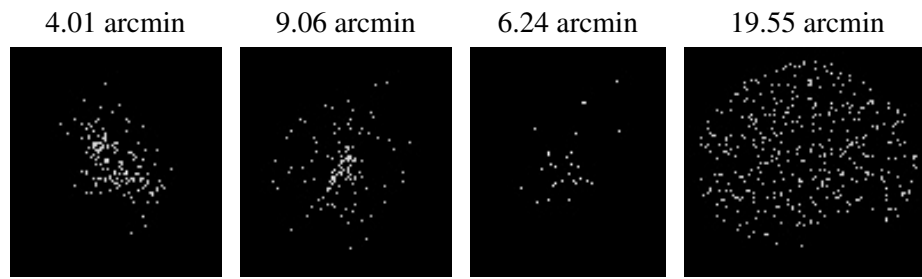


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.165

### A.2 Comments