

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5022 - L2 Version 001  
Chandra X-Ray Center

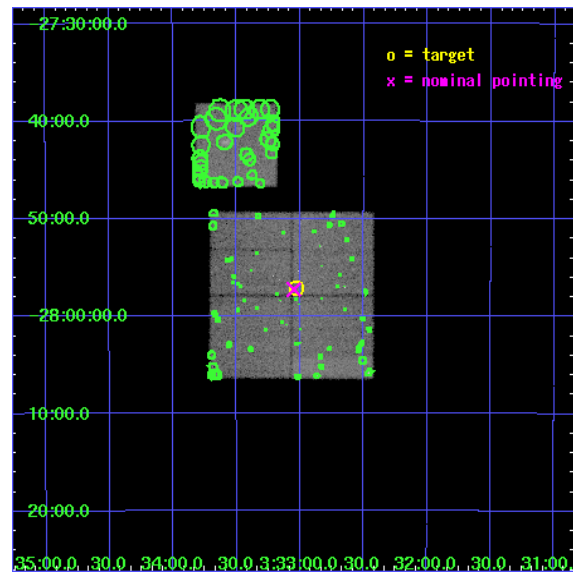
L2 Processing Date : Apr 12 2006

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# 1 Front

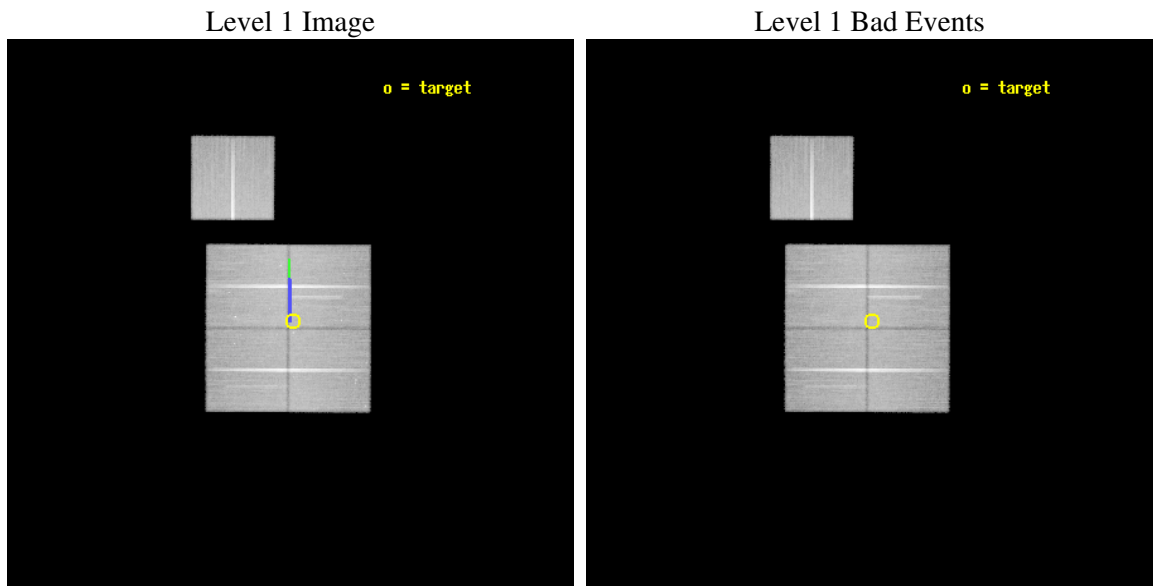
seq_num	900329
obs_id	5022
title	The Extended Chandra Deep Field-South Survey: A Public Chandra Legacy
observer	Prof. William Brandt
object	Extended CDF-S #4
dtcycle	0
cycle	P
ra_targ	53.2574
dec_targ	-27.95267
ra_nom	53.262231744395
dec_nom	-27.954462951284
roll_nom	0.21094726986366
revision	2
ontime	80175.217945069
livetime	79127.66969848
ontime0	80172.076905102
ontime1	80165.79488489
ontime2	80175.217865467
ontime3	80175.217945069
ontime6	80165.794924676
l2events	207427



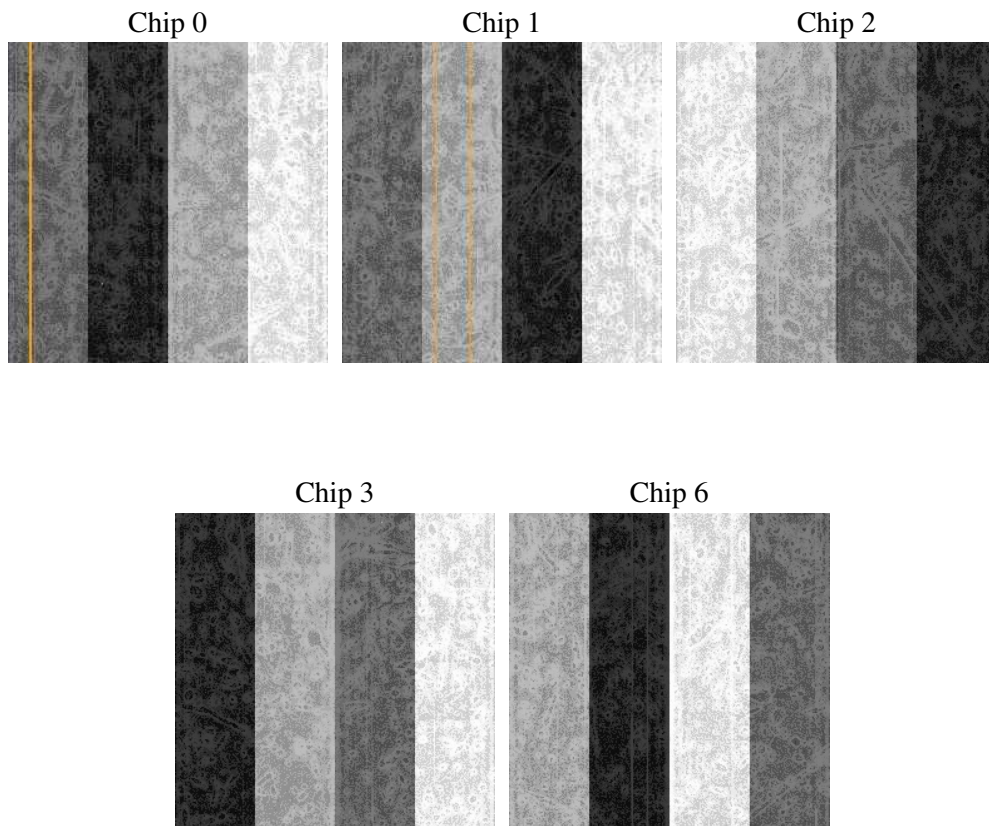
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-12T08:57:37
revision	2

sched_exp_time	80000.000000
ontime	80416.134036869
ontime0	80412.992996901
ontime1	80406.710956782
ontime2	80416.133957267
ontime3	80416.134036869
ontime6	80406.710996568
l1events	2384492

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	449875	461625	506820	482147	484025
rejected events	401076	406169	457206	436543	433176
rejected %	89%	87%	90%	90%	89%

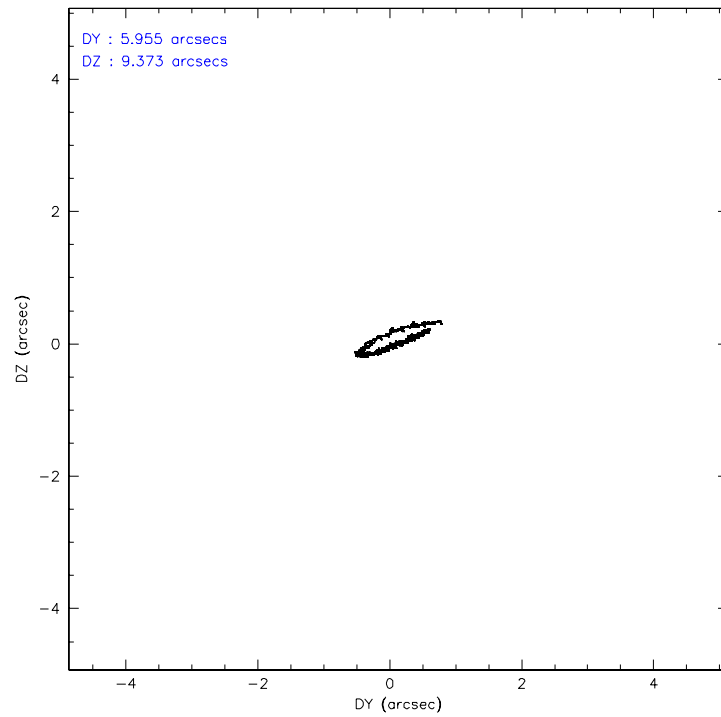
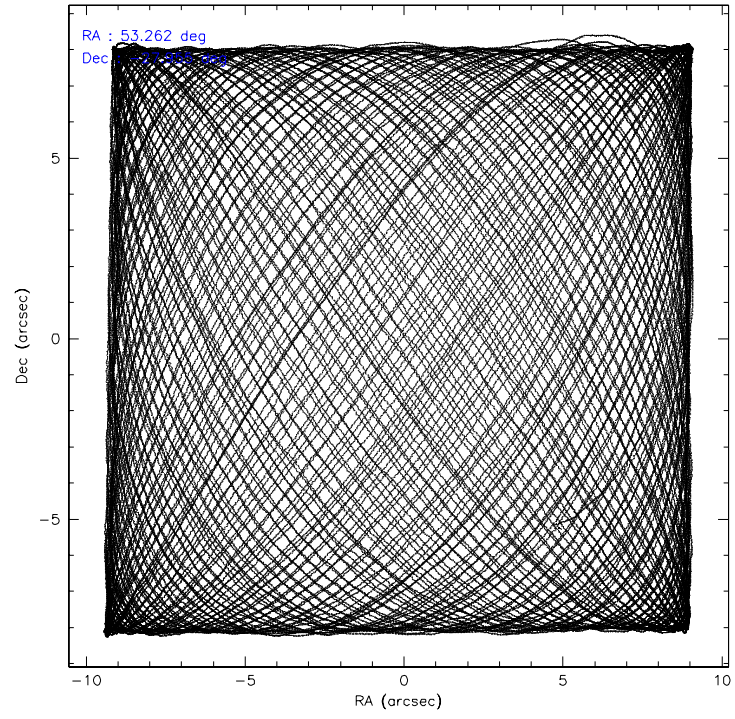
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16867	20639	18336	16157	17981
	3%	4%	3%	3%	3%
grade 1 events	217	195	280	246	237
	0%	0%	0%	0%	0%
grade 2 events	11642	11907	11683	9846	11063
	2%	2%	2%	2%	2%
grade 3 events	5606	6122	5381	5379	5501
	1%	1%	1%	1%	1%
grade 4 events	5142	5885	5488	5306	5647
	1%	1%	1%	1%	1%
grade 5 events	17073	18326	15997	19188	18861
	3%	3%	3%	3%	3%
grade 6 events	9676	11069	8873	9044	10812
	2%	2%	1%	1%	2%
grade 7 events	383652	387482	440782	416981	413923
	85%	83%	86%	86%	85%

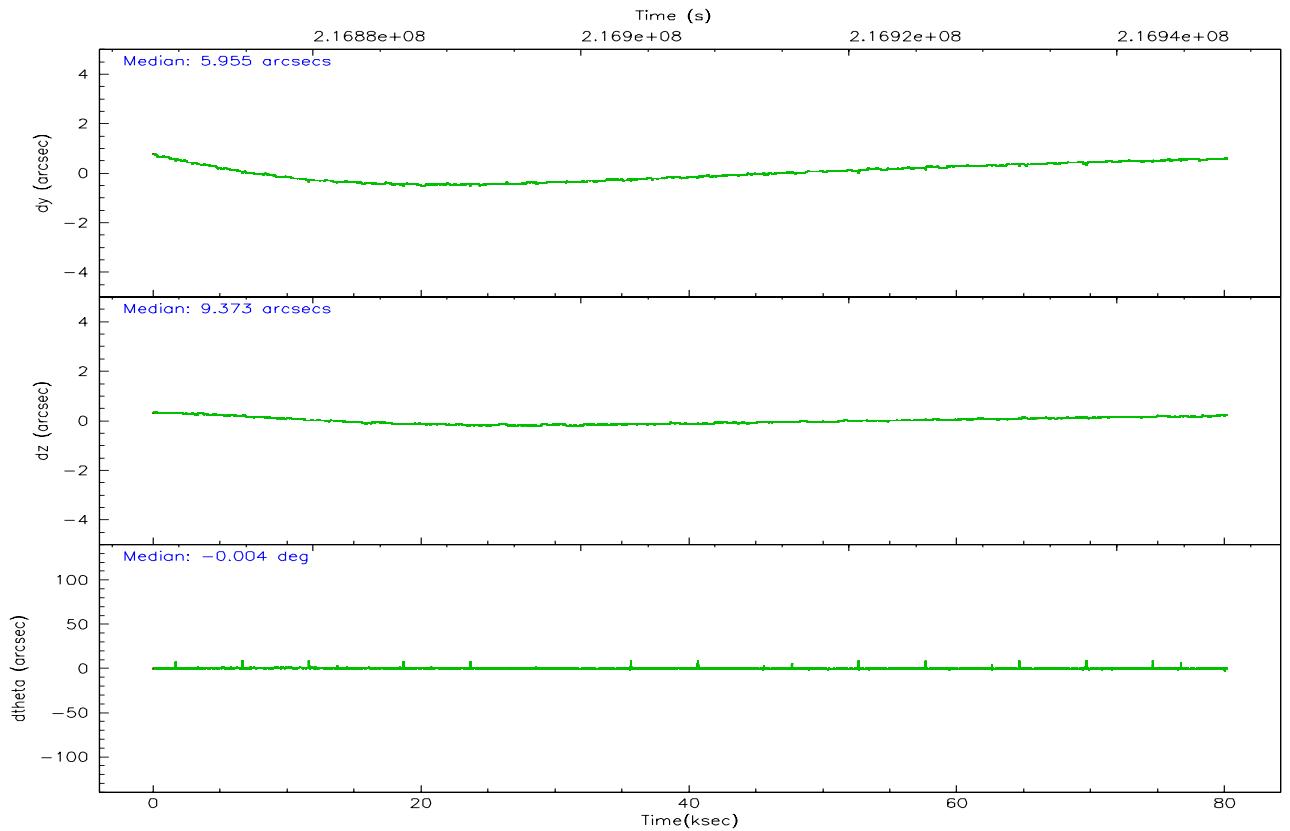
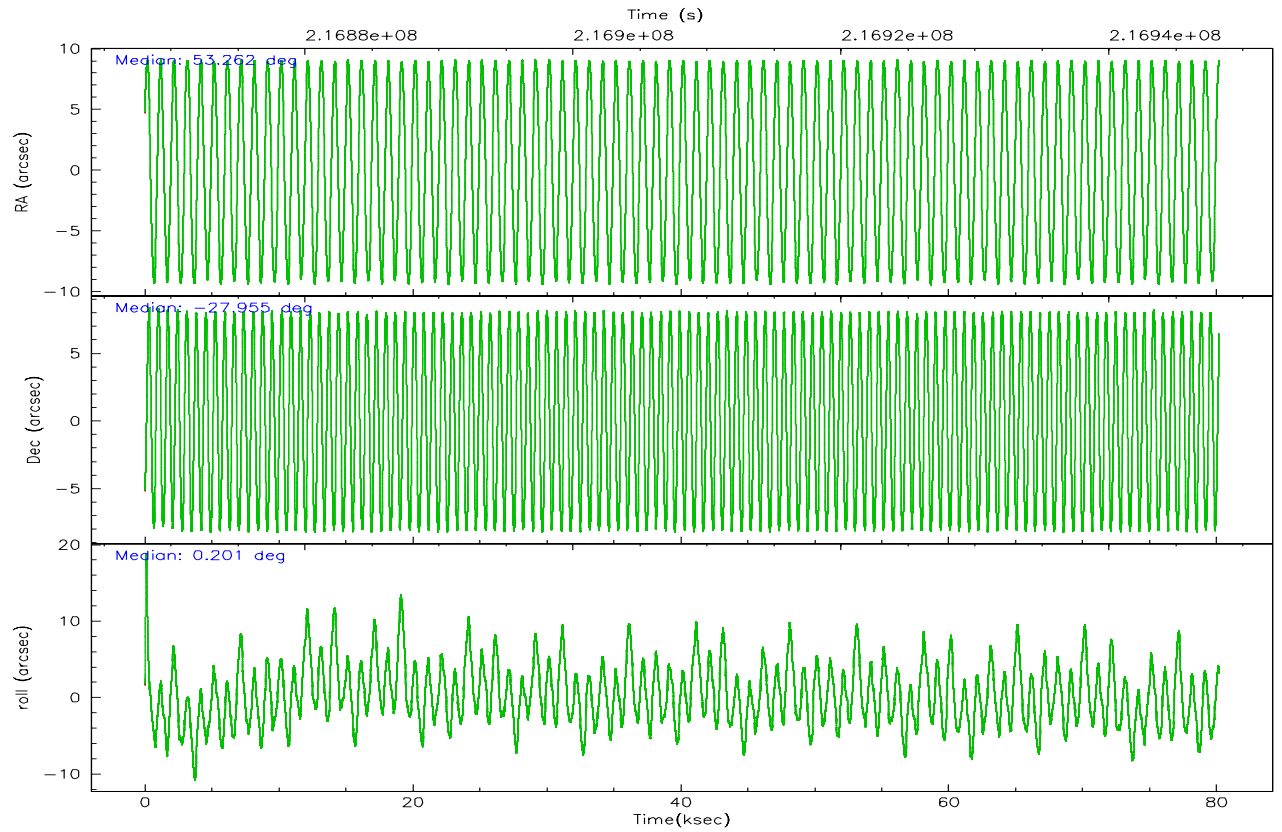


## 2.2 Compared Parameters

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	53.235516	53.26223174439507	Alternating exposures requested	N	N
Pointing Dec	-27.968328	-27.95446295128367	Primary exposure time	0.000000	3.1
Pointing Roll	359.989737	0.2109472698636609			
Roll angle	0.000000	0.000000			
Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
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	216868241.184000	216867129.8545			
Observation start date	2004-11-15T01:09:37	2004-11-15T00:52:09			
Observation end time	216948241.184000	216948375.97064			
Observation end date	2004-11-15T23:22:57	2004-11-15T23:26:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect



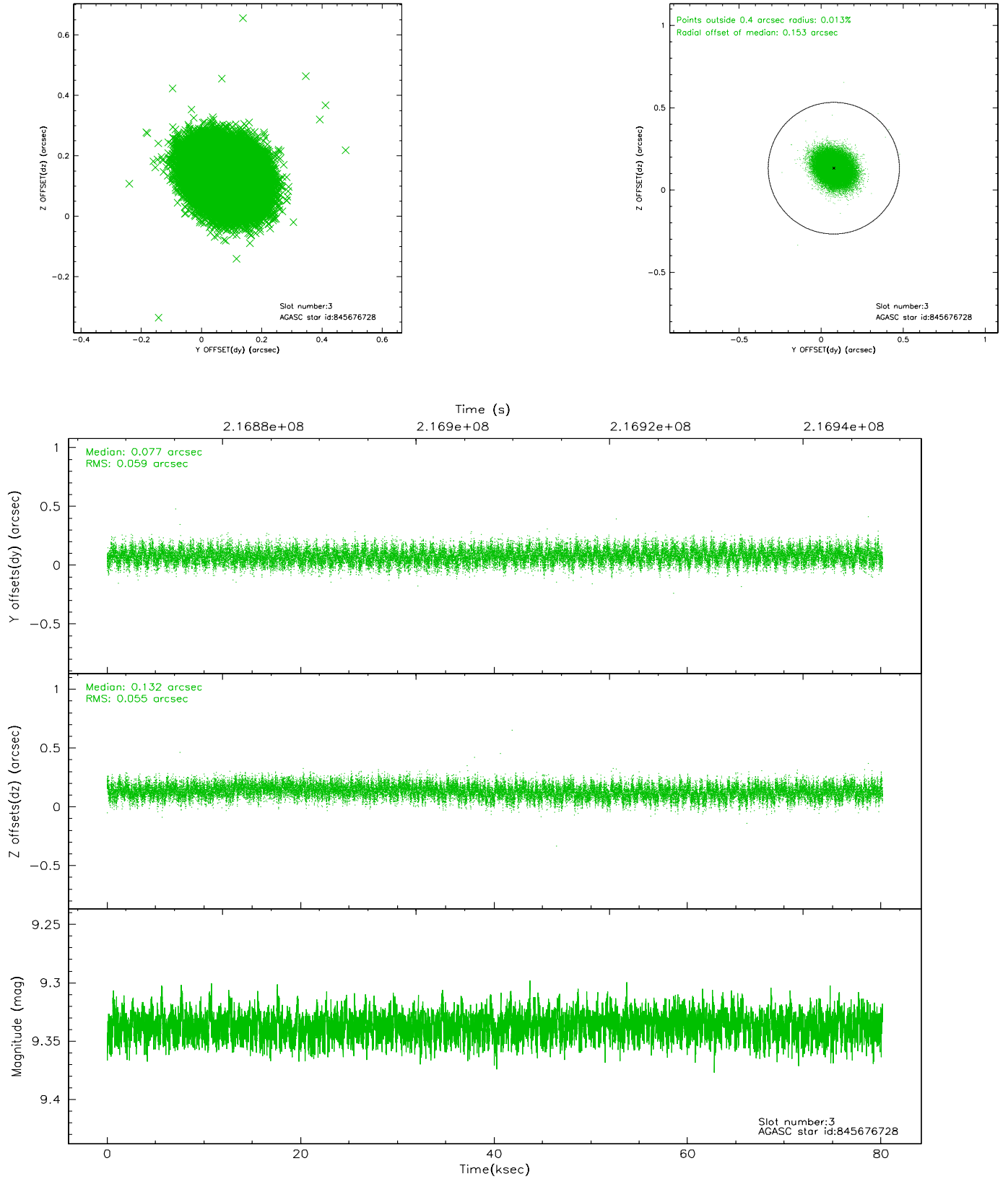


### Slot Statistics

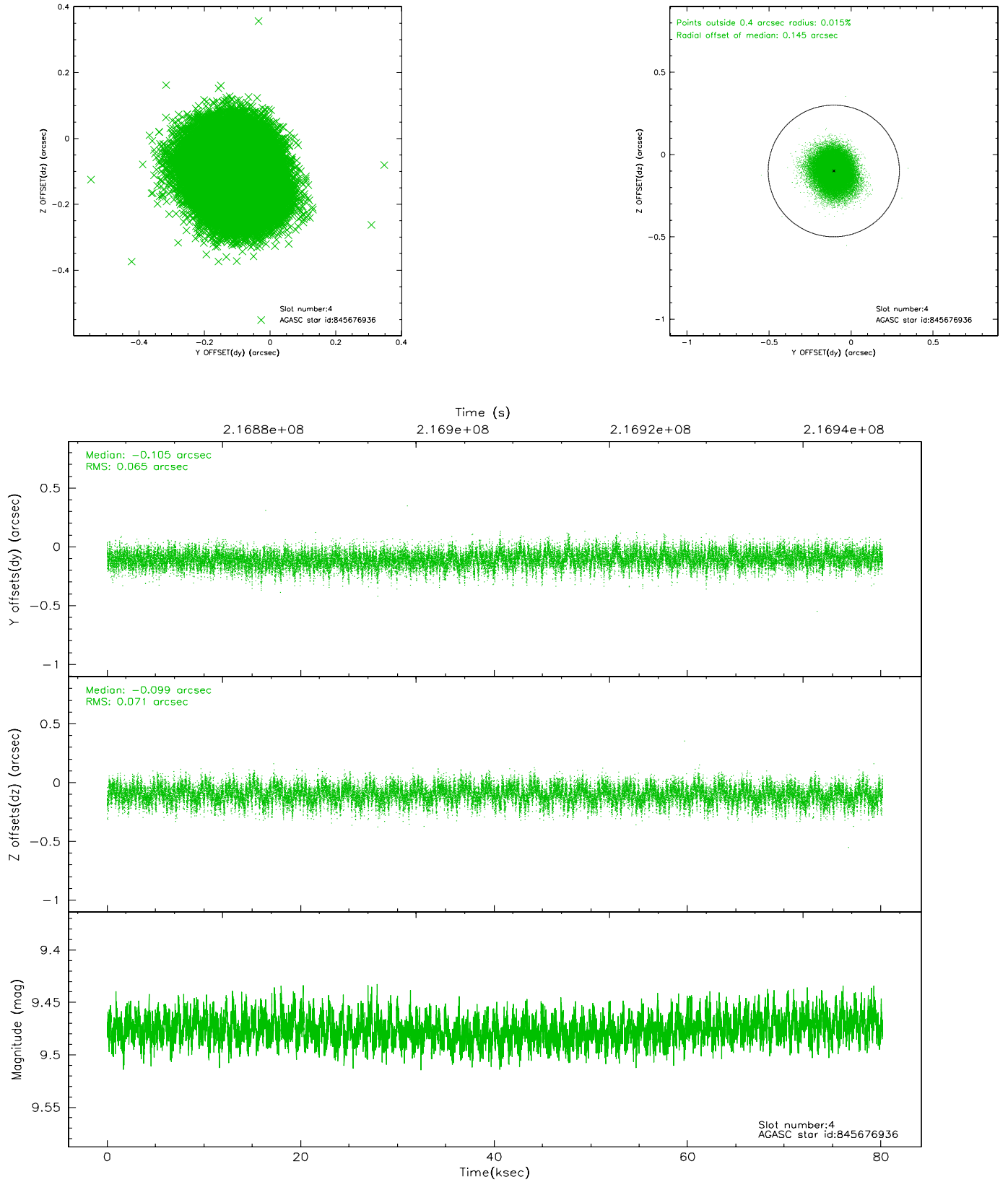
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	19559	0.016	0.027	0.011	0.018	0.000000	0.000000	933.79	-832.77
1	FID	ACIS-I-5	7.23	19557	-0.024	0.081	0.016	0.033	0.000000	0.000000	-1814.49	1064.69
2	FID	ACIS-I-6	7.24	19557	-0.081	-0.038	0.013	0.020	0.000000	0.000000	399.20	1709.09
3	GUIDE	845676728	9.34	39089	0.077	0.132	0.086	0.138	52.877179	-27.664318	-1142.47	1092.75
4	GUIDE	845676936	9.48	39091	-0.105	-0.099	0.103	0.165	52.843773	-27.880153	-1246.25	315.23
5	GUIDE	845807880	8.80	39099	-0.011	-0.102	0.078	0.125	53.382027	-27.886093	466.44	296.07
6	GUIDE	845814592	9.04	39087	0.056	0.011	0.094	0.150	53.853010	-28.336603	1958.18	-1330.52
7	GUIDE	845816224	10.20	39058	-0.015	0.063	0.142	0.229	53.578992	-28.631005	1086.63	-2386.56

## 2.4 Star Slots

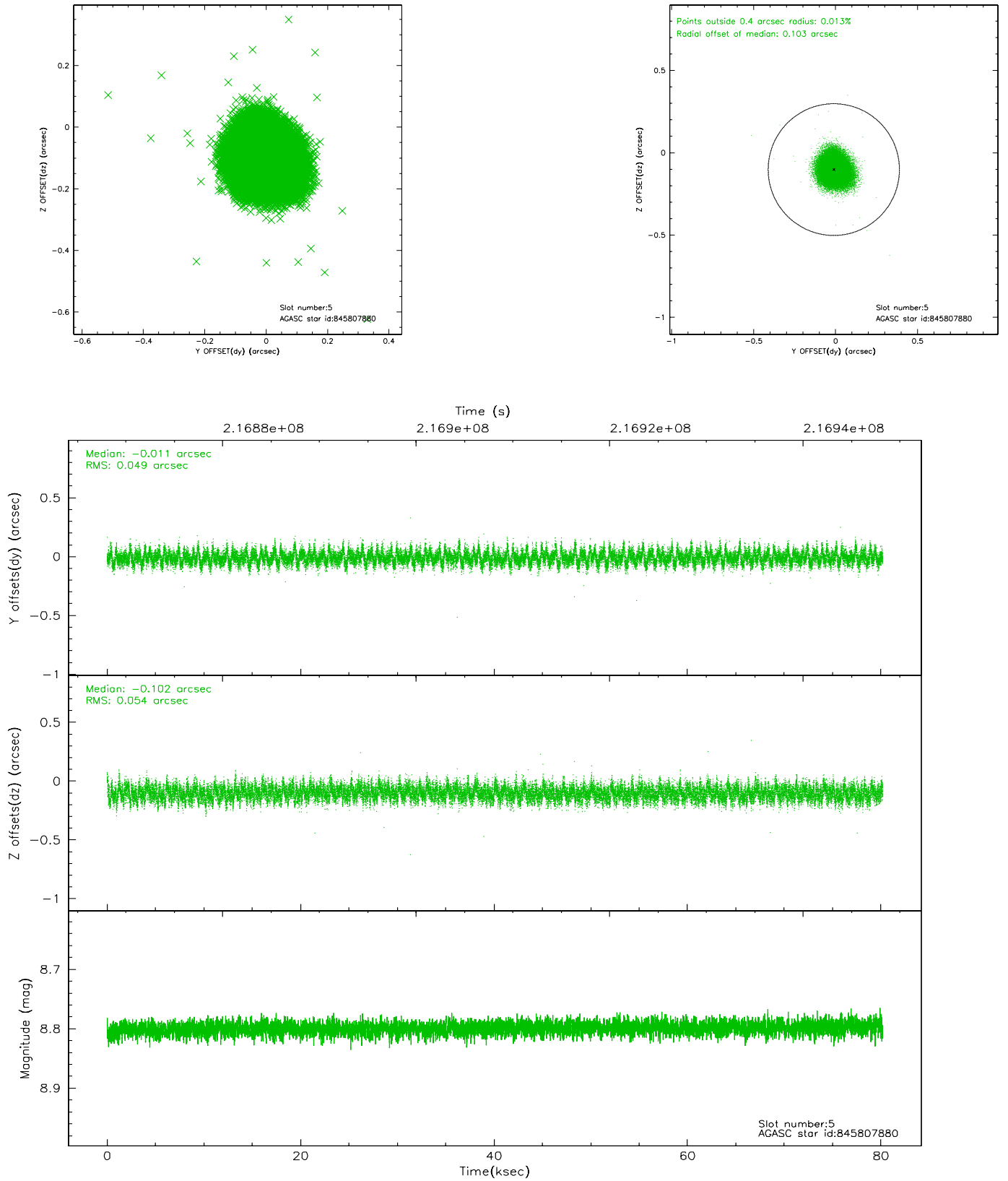
### 2.4.1 Slot 3



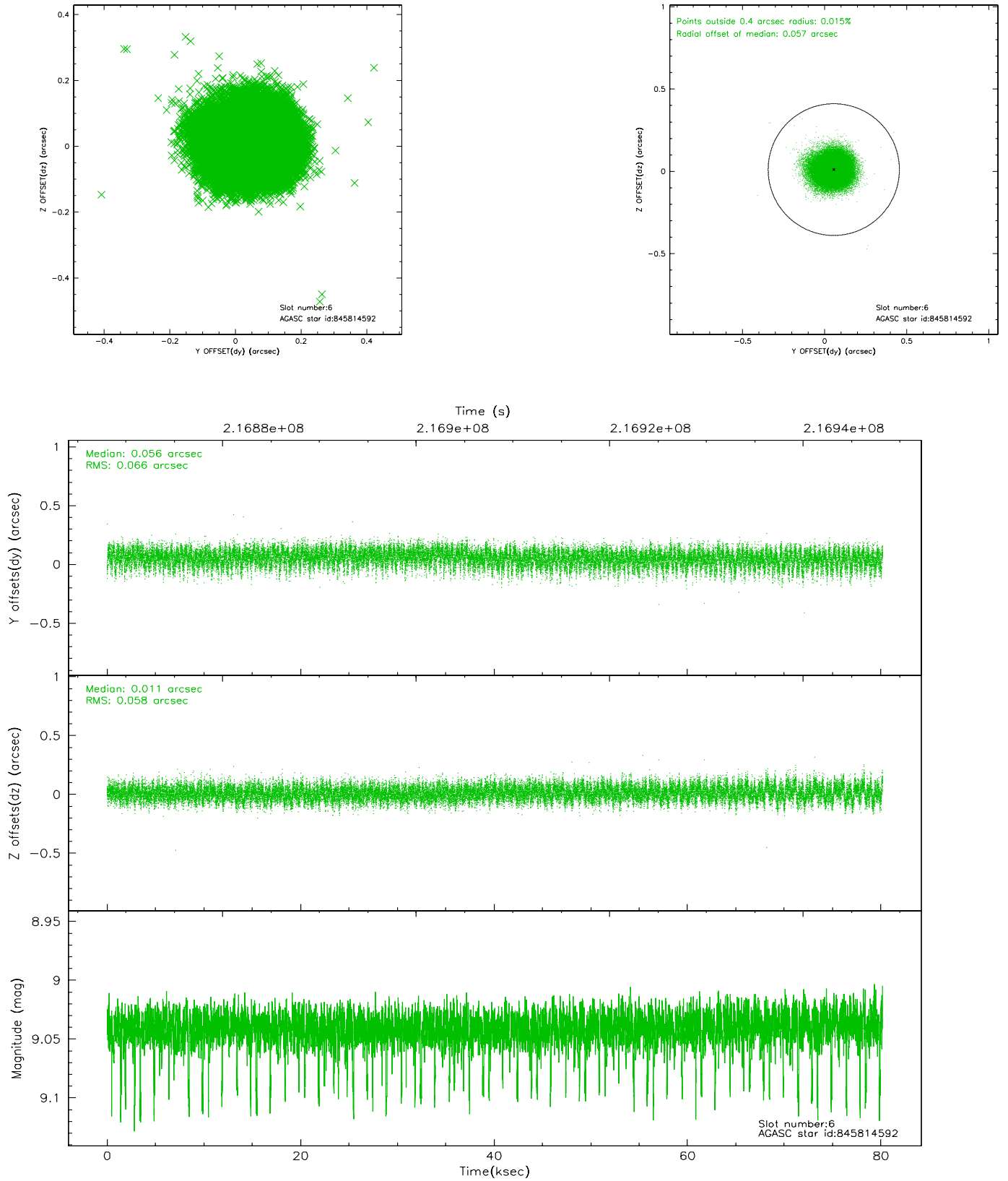
## 2.4.2 Slot 4



### 2.4.3 Slot 5

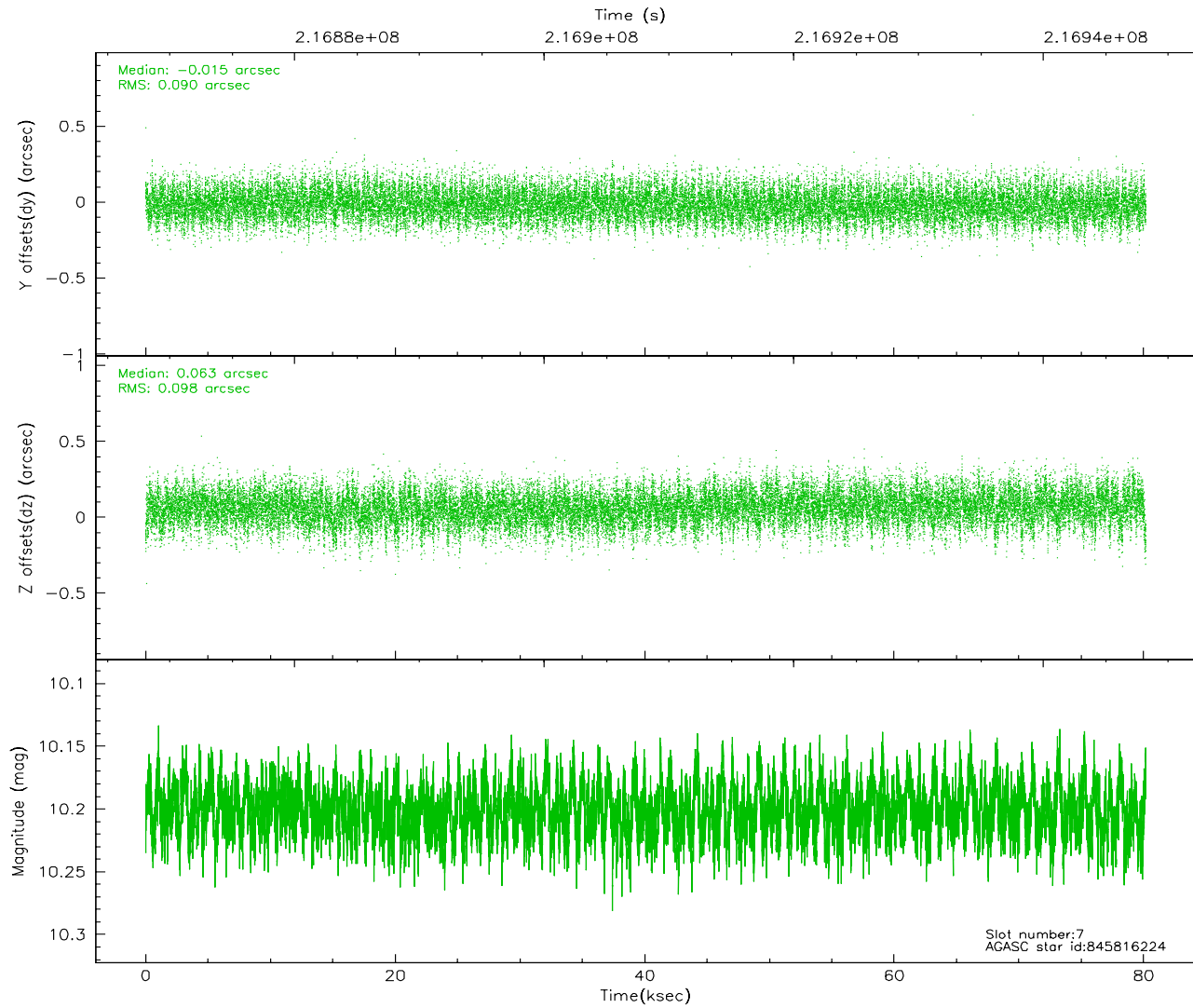
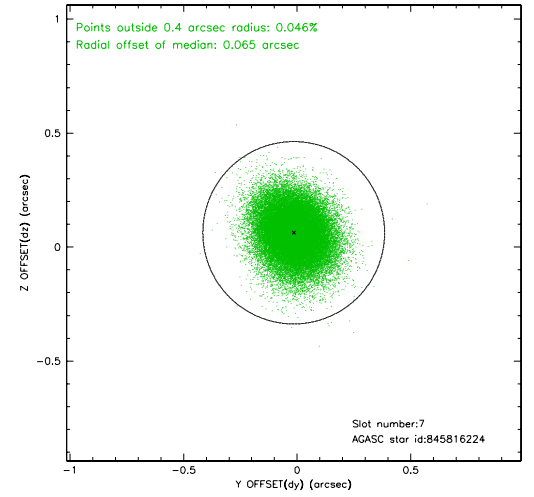
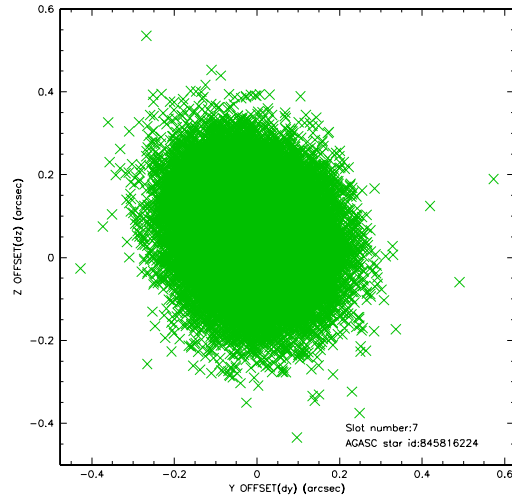


## 2.4.4 Slot 6



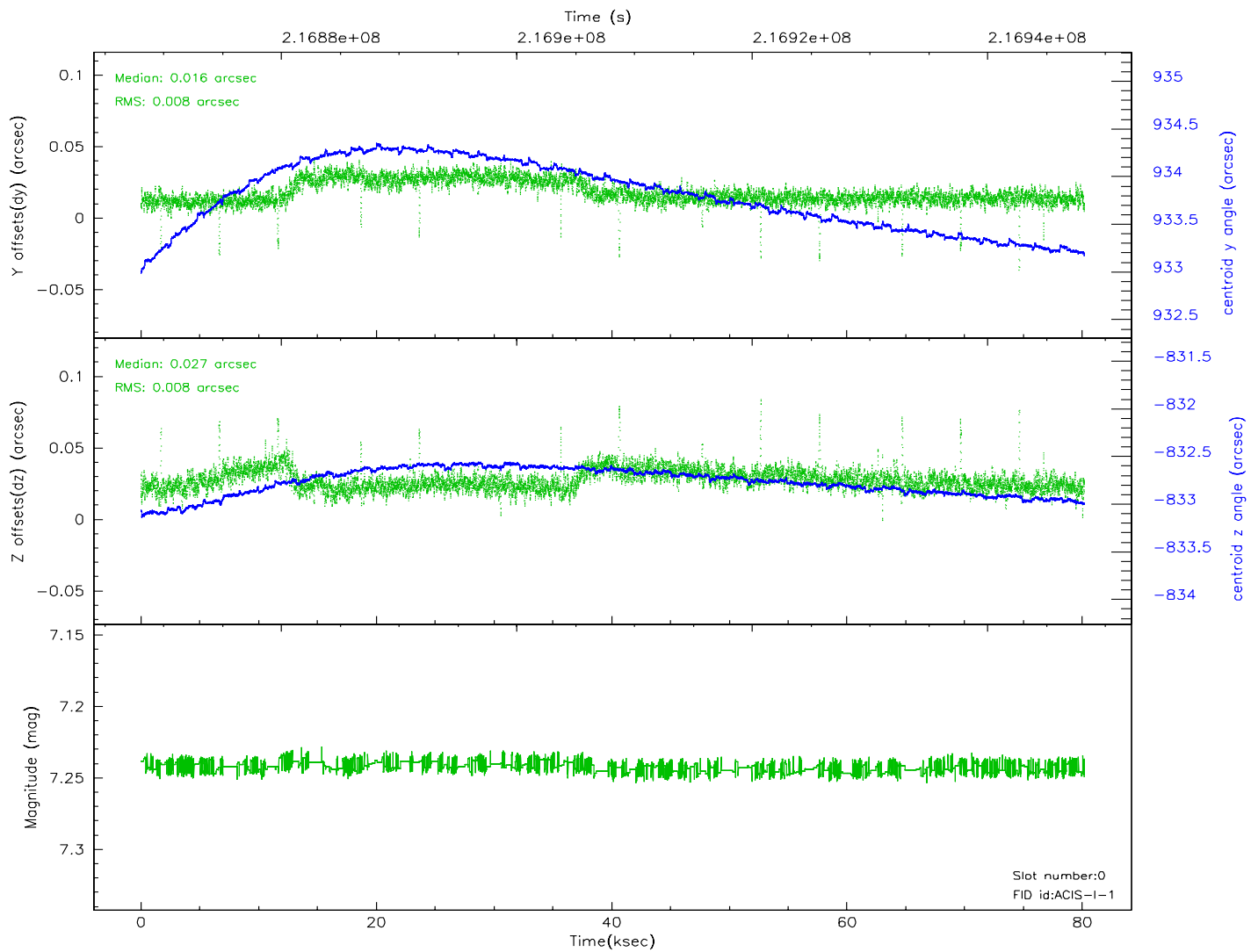
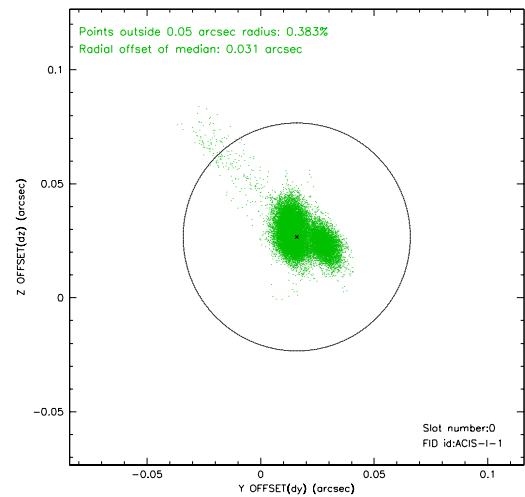
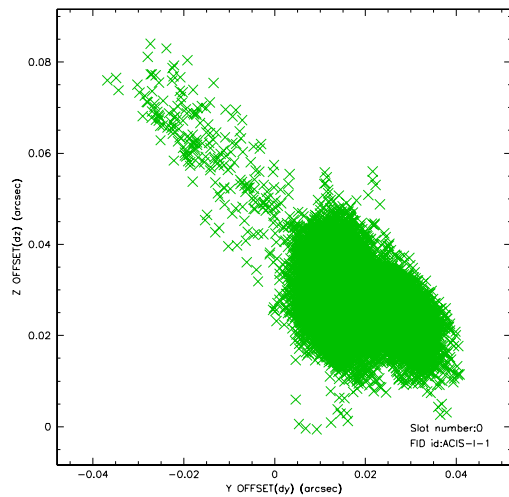


## 2.4.5 Slot 7

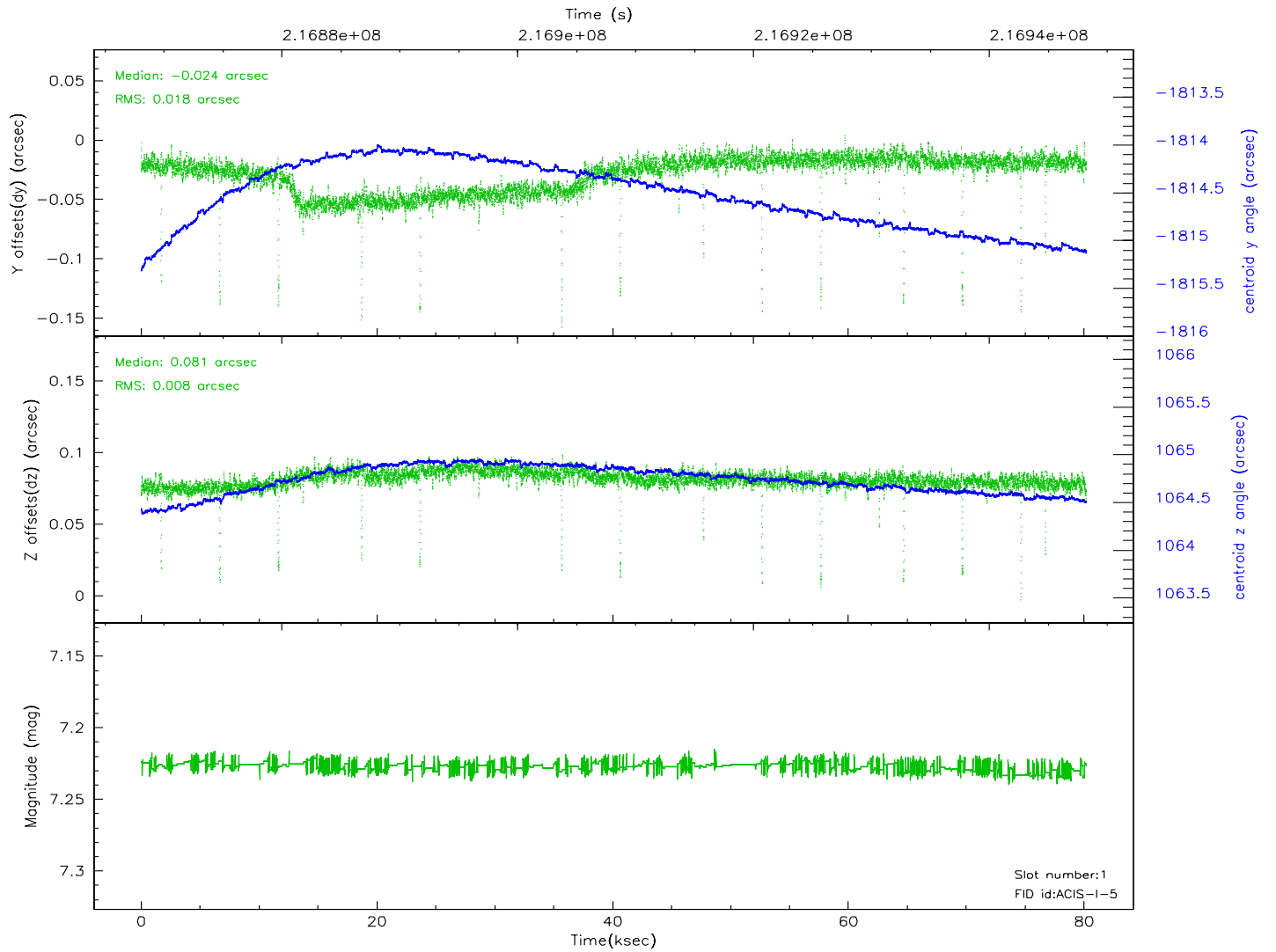
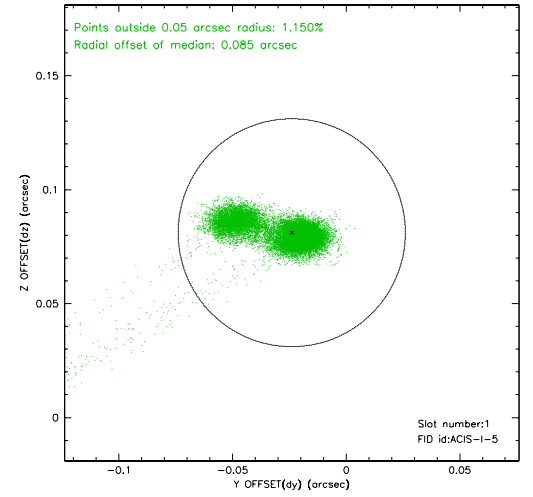
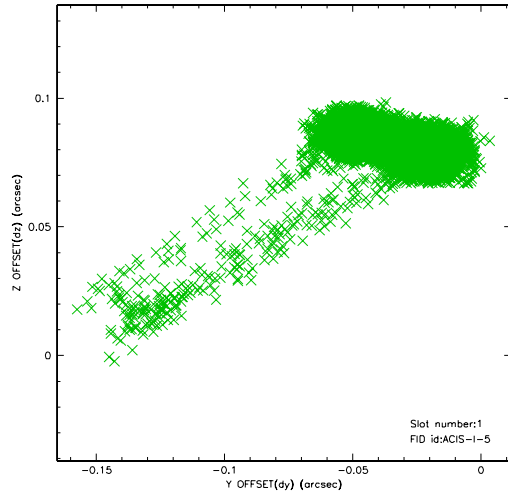


## 2.5 FID Slots

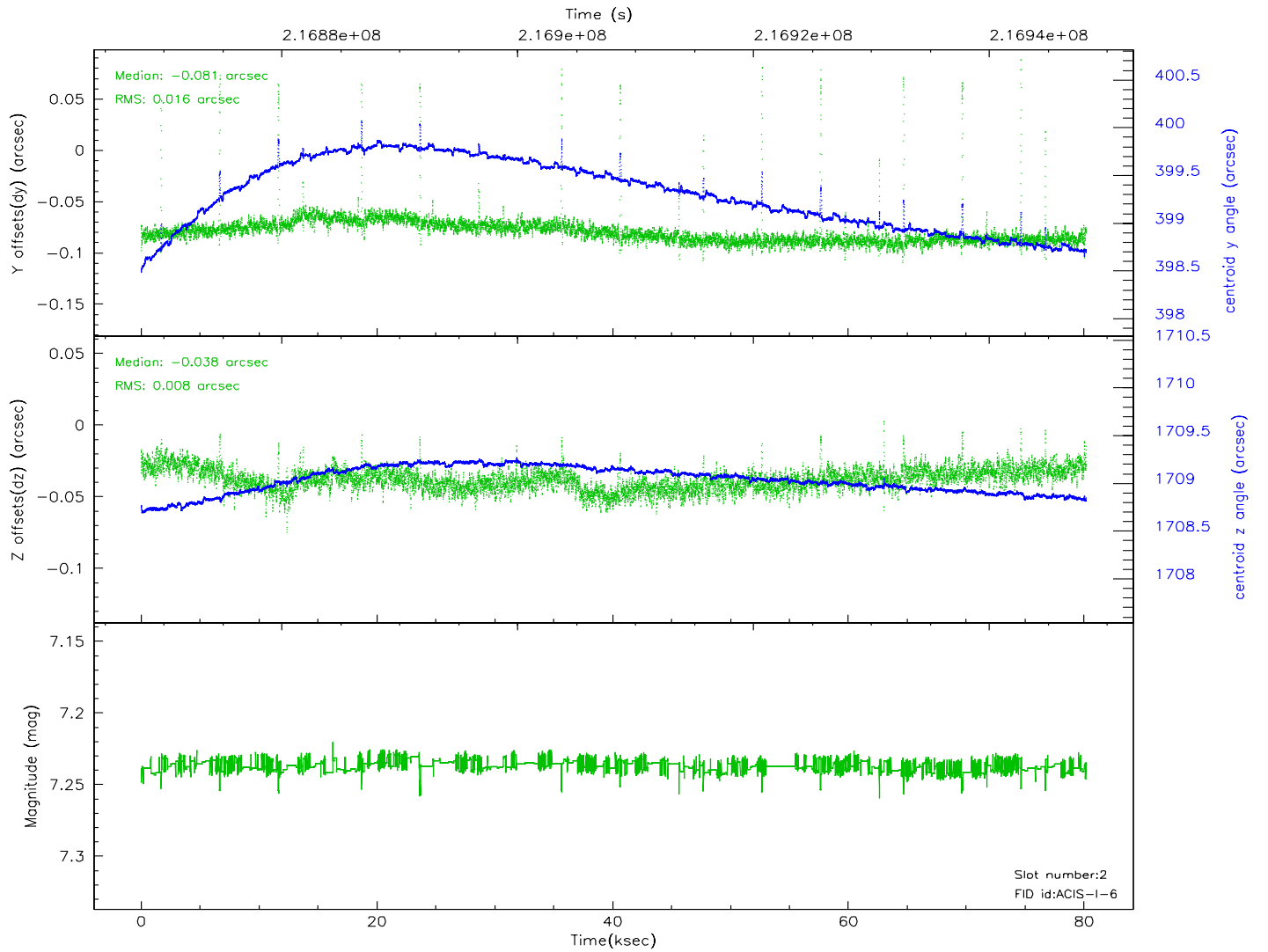
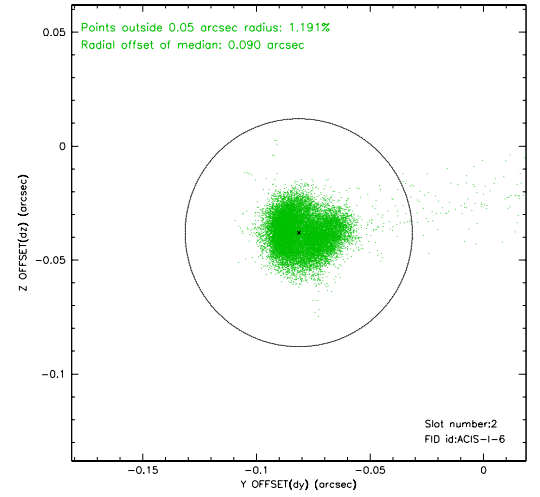
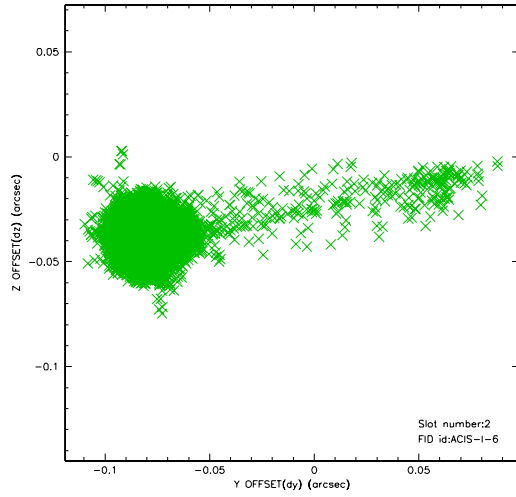
### 2.5.1 Slot 0



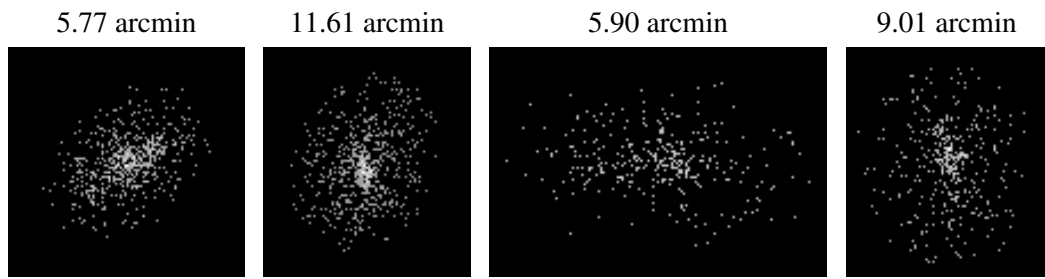
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	80.175

### A.2 Comments

Roll constraint met.