

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5162 - L2 Version 001
Chandra X-Ray Center

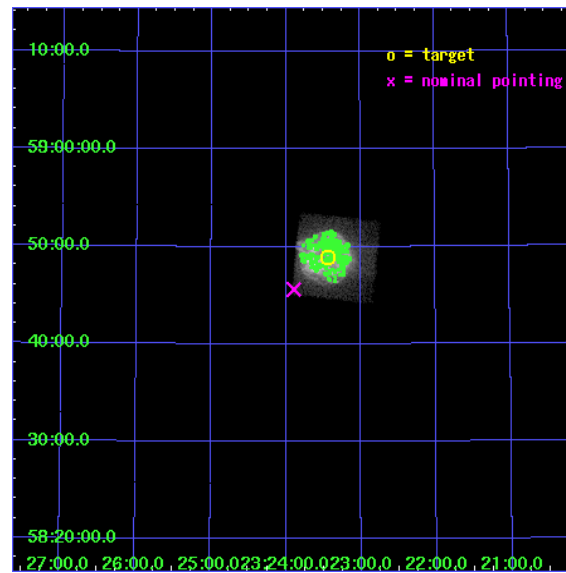
L2 Processing Date : May 29 2006

Contents

1	Front	2
2	OBI	3
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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

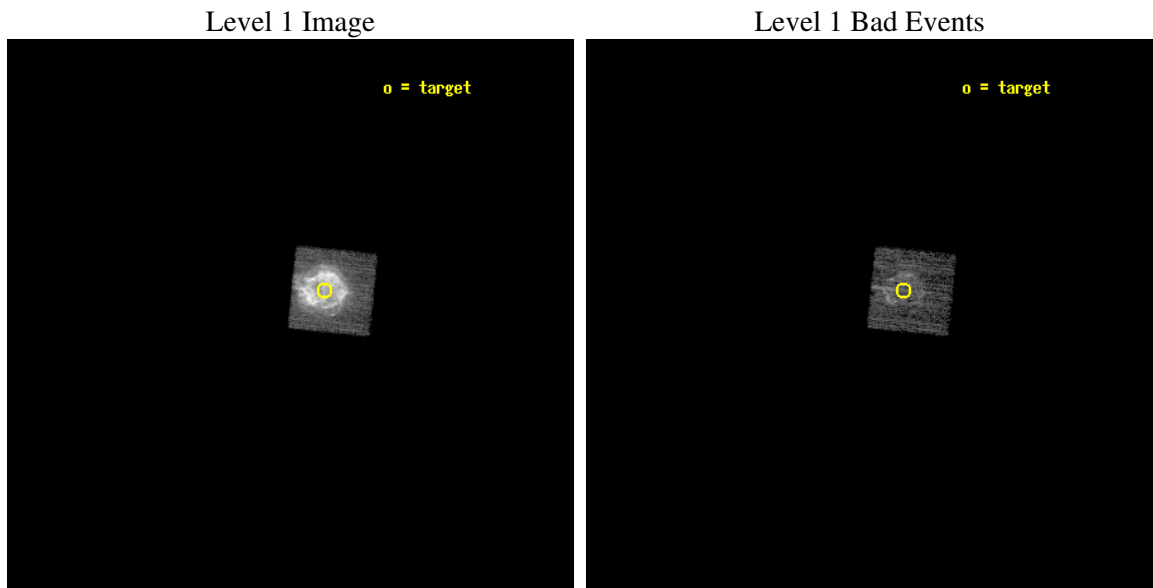
seq_num	590360
obs_id	5162
title	AO5A Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	Cas A[I3,-120,-3.0,3.5,0]
dtcycle	0
cycle	P
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.97324736484
dec_nom	58.760448564263
roll_nom	5.9525353109229
revision	2
ontime	1449.6097379923
livetime	1431.2539066396
ontime0	1955.1999927163
ontime1	1955.1999927163
ontime2	1955.1999927163
ontime3	1449.6097379923
ontime6	1955.1999927163
ontime7	1955.1999927163
l2events	306454



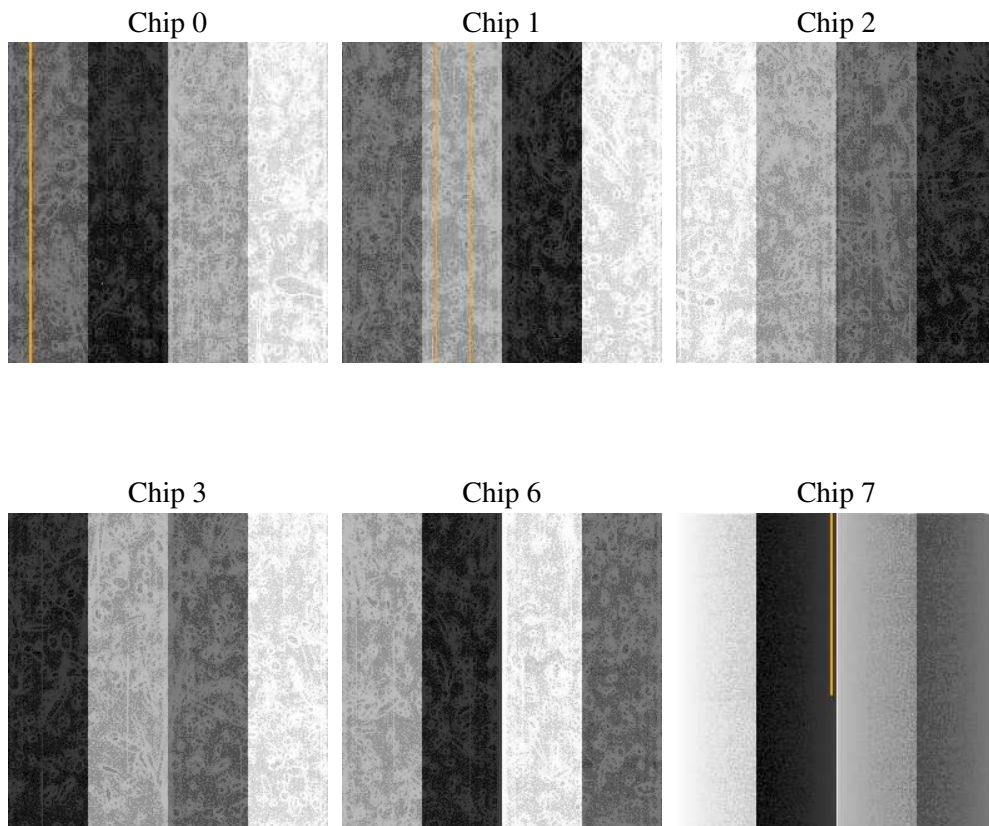
2 OBI

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	2006-05-29T12:50:34
revision	2

sched_exp_time	2000.000000
ontime	1455.2150411606
ontime0	1960.8052958846
ontime1	1960.8052958846
ontime2	1960.8052958846
ontime3	1455.2150411606
ontime6	1964.0463159978
ontime7	1960.8052958846
l1events	373195

2.1.4 Events

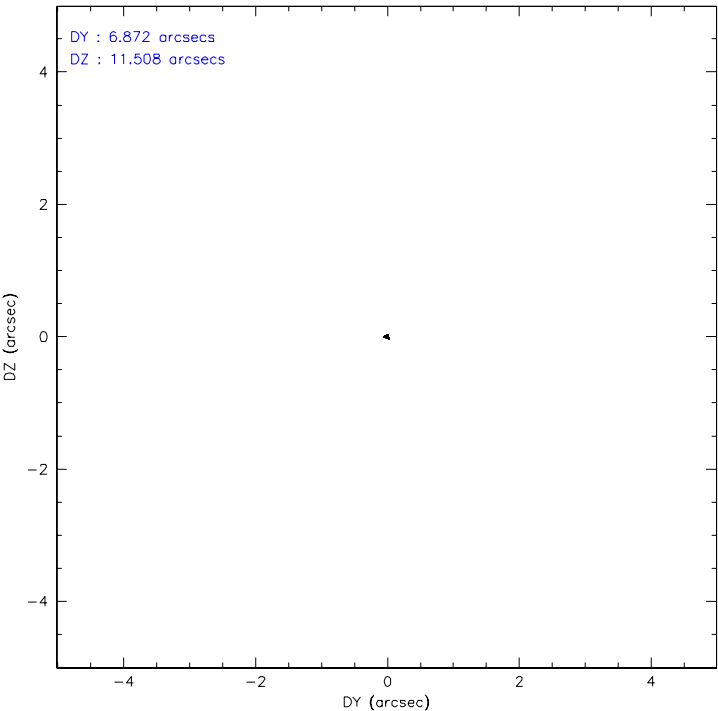
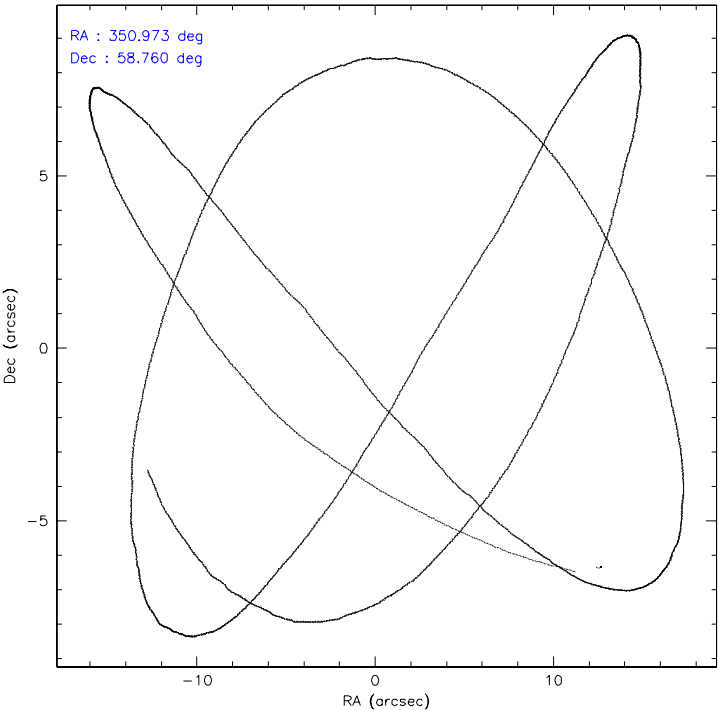
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	373195	0	0
rejected events	0	0	0	56892	0	0
rejected %	0%	0%	0%	15%	0%	0%

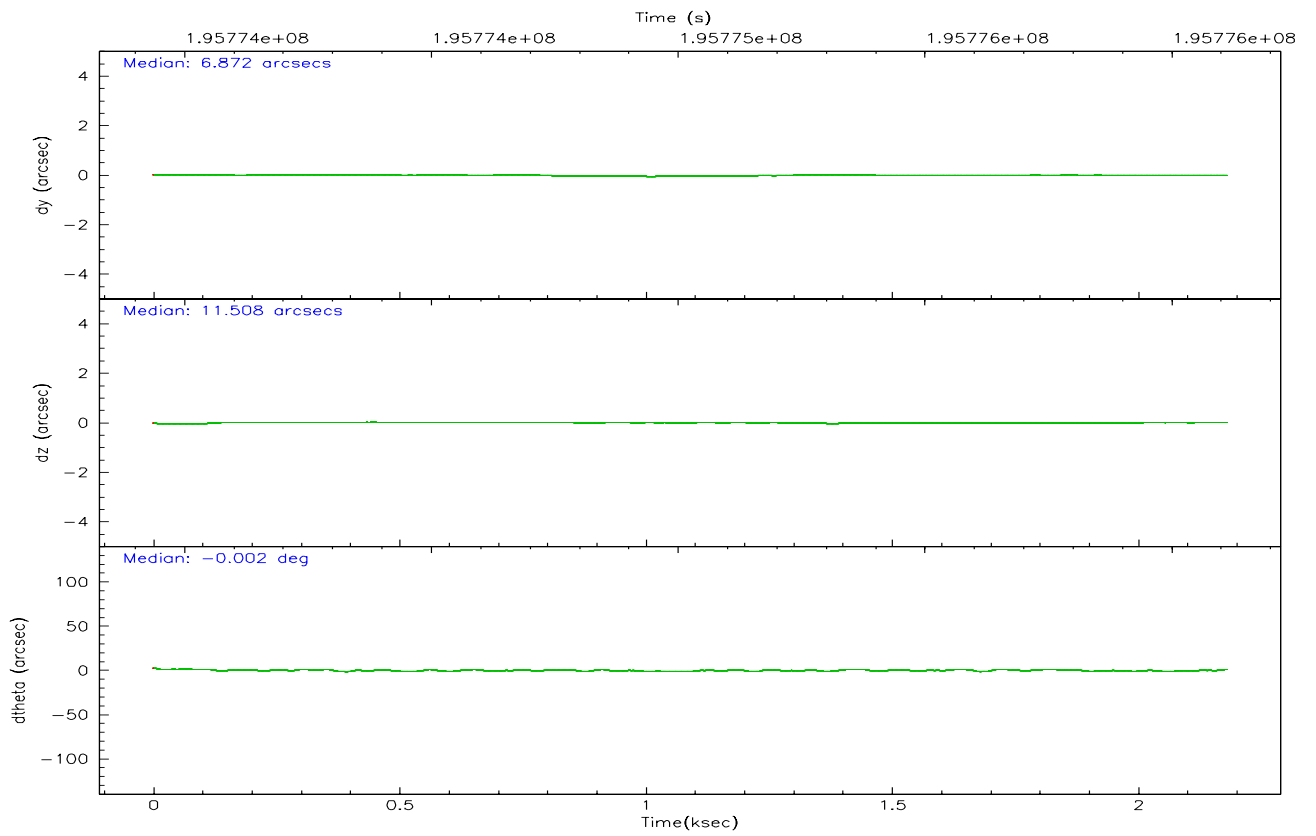
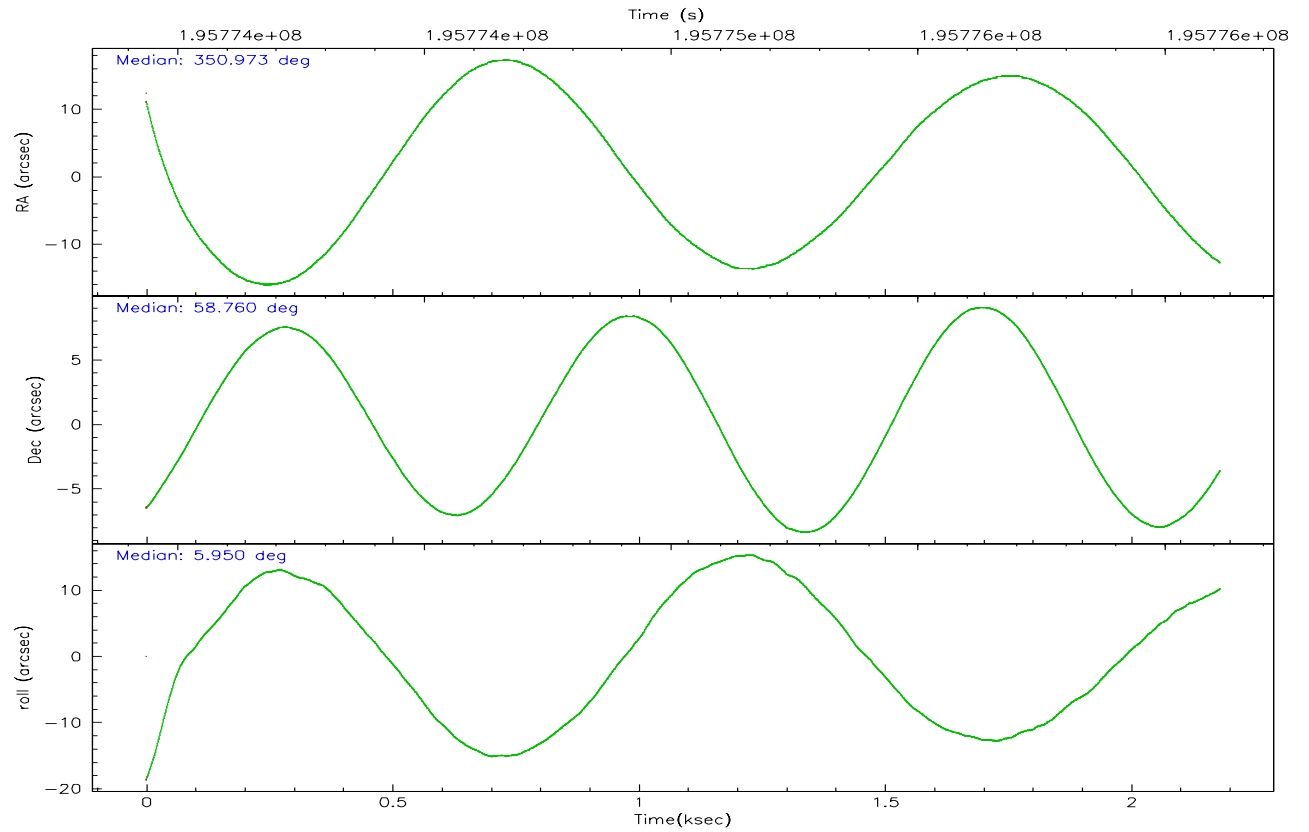
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	257556	0	0
	0%	0%	0%	69%	0%	0%
grade 1 events	0	0	0	4189	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	32281	0	0
	0%	0%	0%	8%	0%	0%
grade 3 events	0	0	0	10369	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	10397	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2883	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7117	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	48403	0	0
	0%	0%	0%	12%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	350.930815	350.9732473648406	Alternating exposures requested	N	N
Pointing Dec	58.744324	58.7604485642626	Primary exposure time	0.000000	3.2
Pointing Roll	5.780164	5.952535310922916			
Window start time	194486464.184000	194486464.184000			
Window stop time	197078464.184000	197078464.184000			
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	195774116.184000	195773154.23075			
Observation start date	2004-03-15T21:40:52	2004-03-15T21:25:54			
Observation end time	195776116.184000	195776266.64339			
Observation end date	2004-03-15T22:14:12	2004-03-15T22:17:46			
Read mode	TIMED	TIMED			

2.3 Aspect



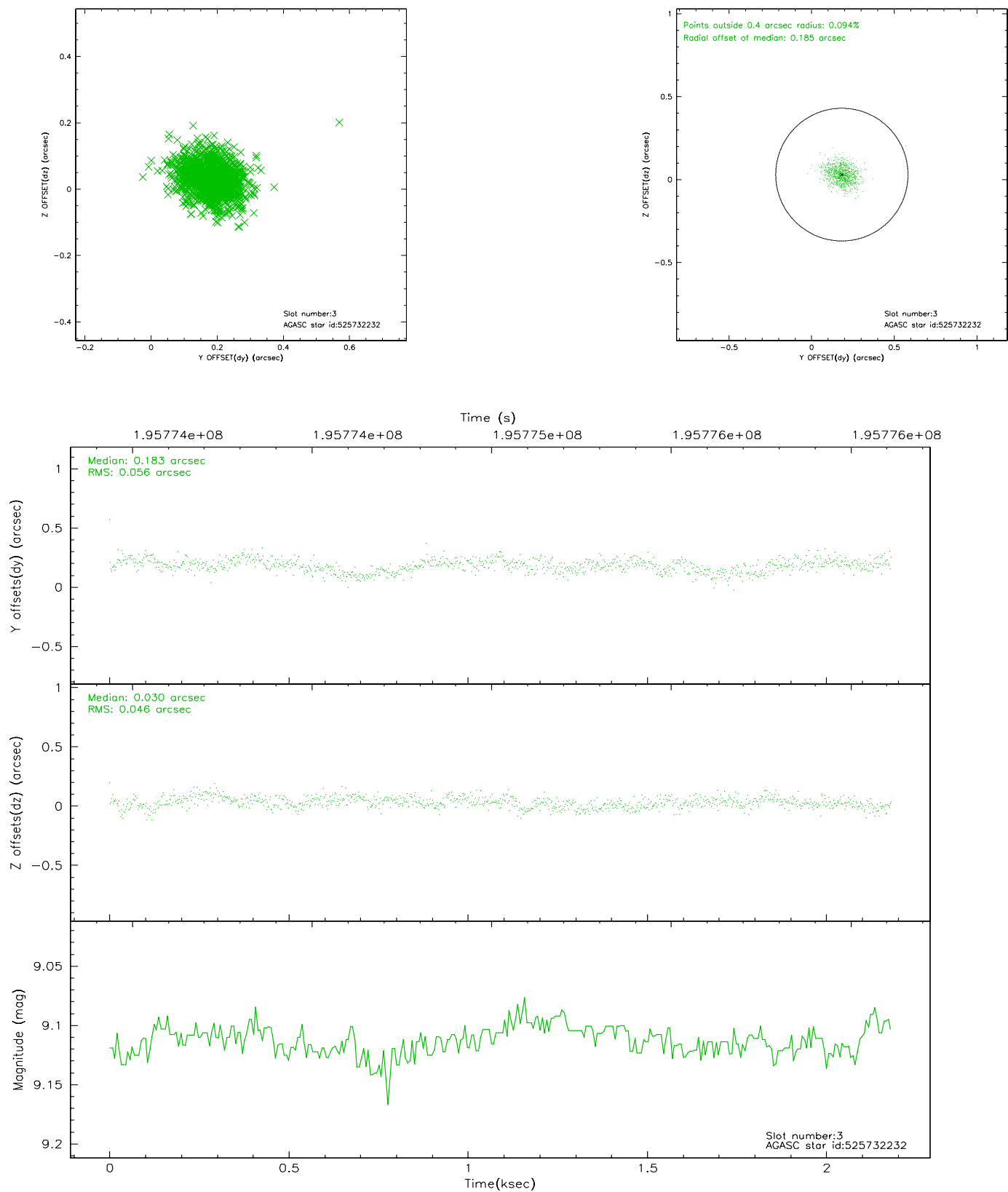


Slot Statistics

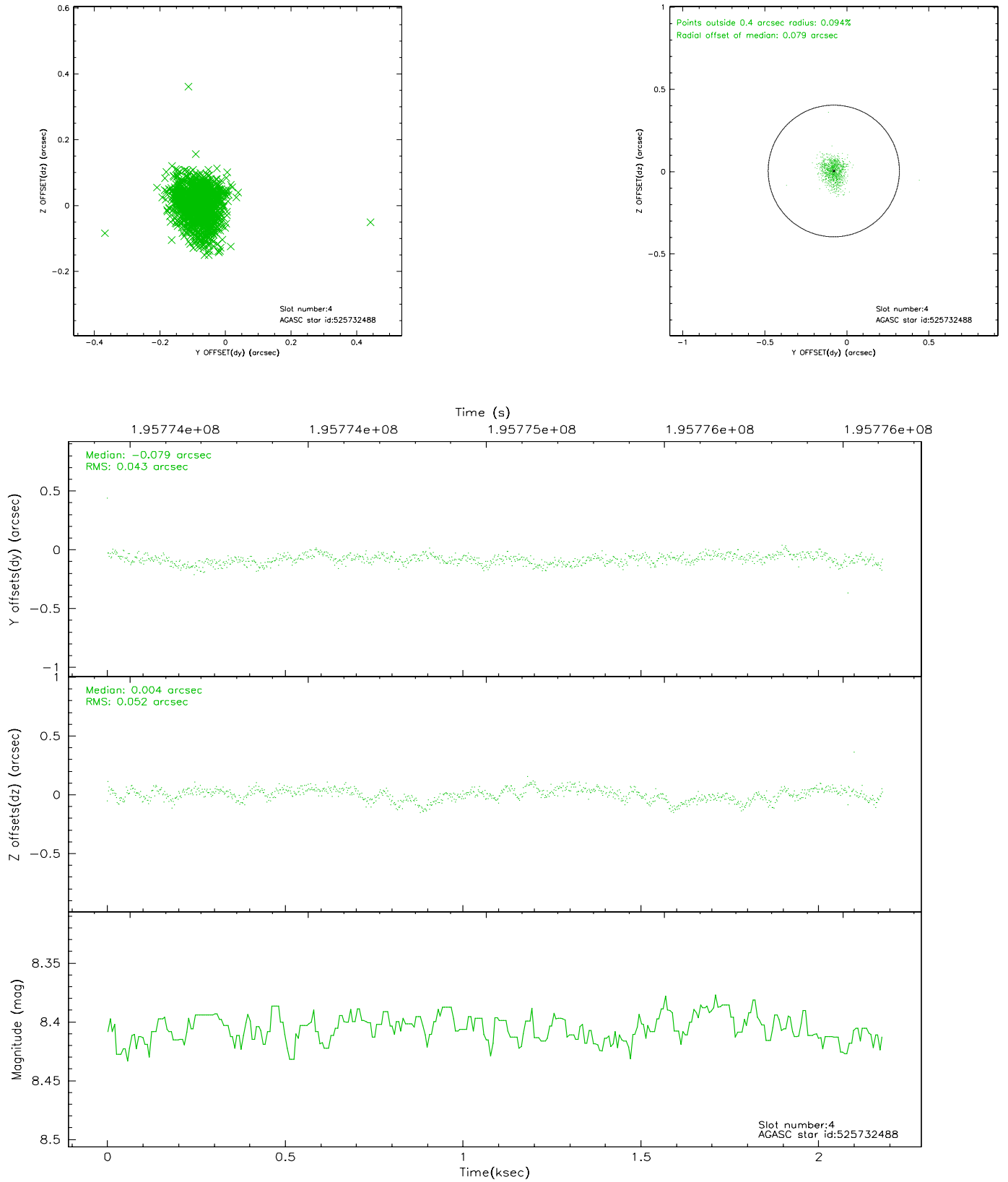
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	533	-0.026	-0.044	0.008	0.013	0.000000	0.000000	932.79	-835.07
1	FID	ACIS-I-4	7.18	533	0.038	0.066	0.007	0.012	0.000000	0.000000	2154.57	1063.35
2	FID	ACIS-I-5	7.23	532	-0.110	0.048	0.006	0.011	0.000000	0.000000	-1811.43	1064.60
3	GUIDE	525732232	9.11	1065	0.183	0.030	0.077	0.125	351.669550	58.757012	1378.77	-86.09
4	GUIDE	525732488	8.41	1065	-0.079	0.004	0.069	0.113	350.087090	58.516915	-1657.90	-644.74
5	GUIDE	525735976	8.89	1064	-0.073	-0.032	0.071	0.116	350.142956	58.277622	-1653.27	-1513.21
6	GUIDE	525736400	9.06	1064	-0.014	-0.001	0.076	0.133	350.974563	59.175145	235.25	1533.80
7	GUIDE	525732528	9.36	1062	-0.011	0.007	0.087	0.141	351.607241	59.298932	1439.21	1869.26

2.4 Star Slots

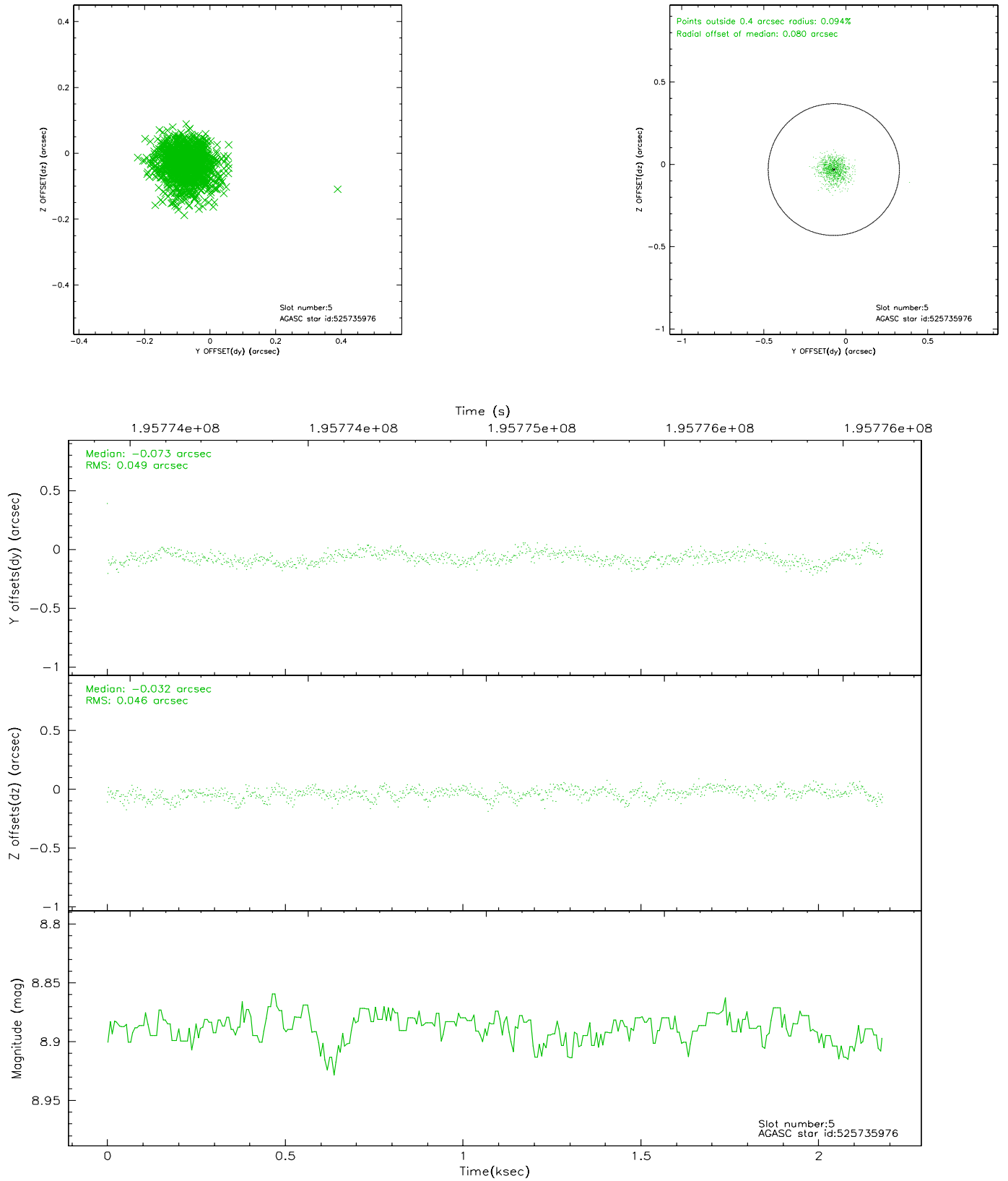
2.4.1 Slot 3



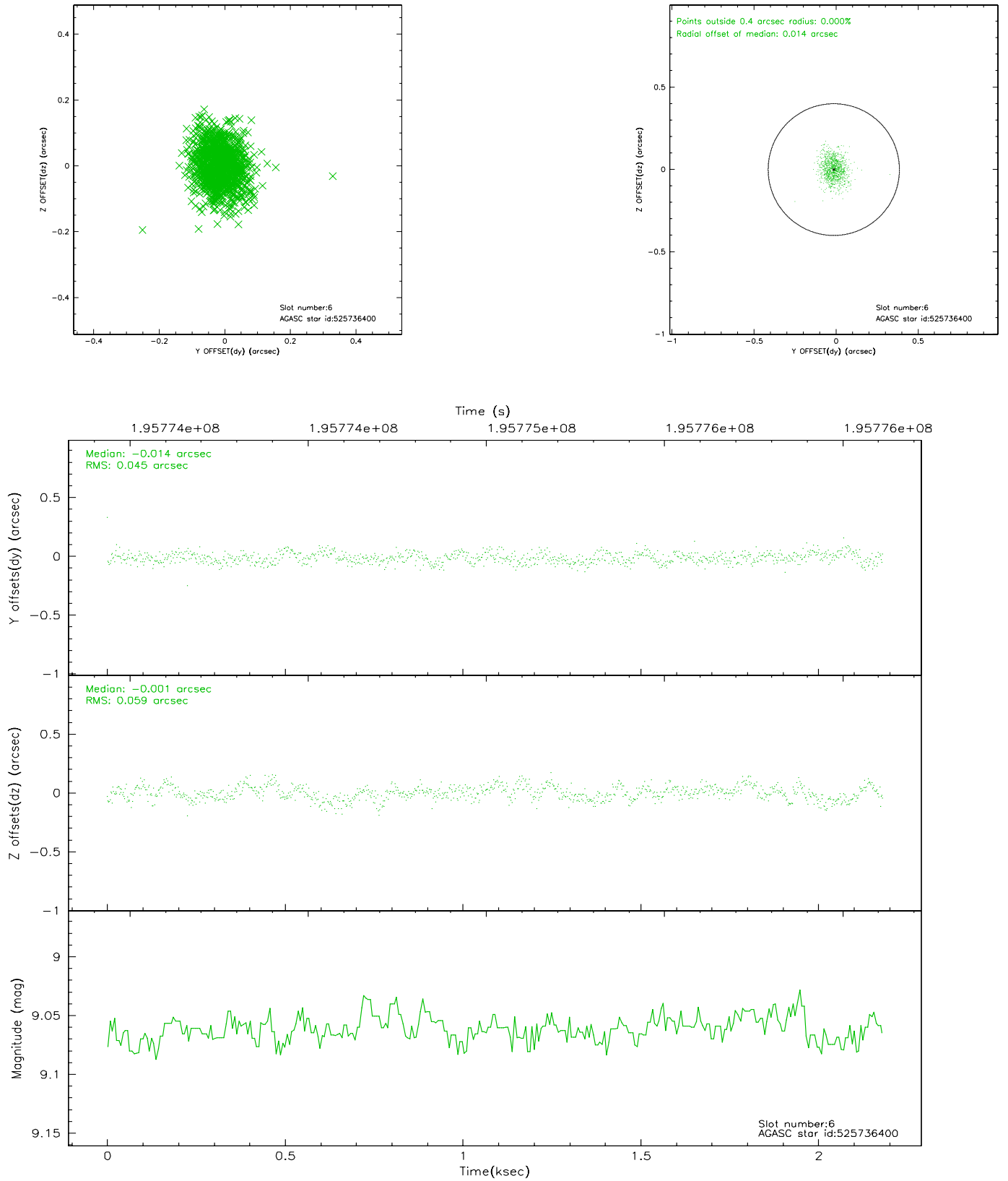
2.4.2 Slot 4



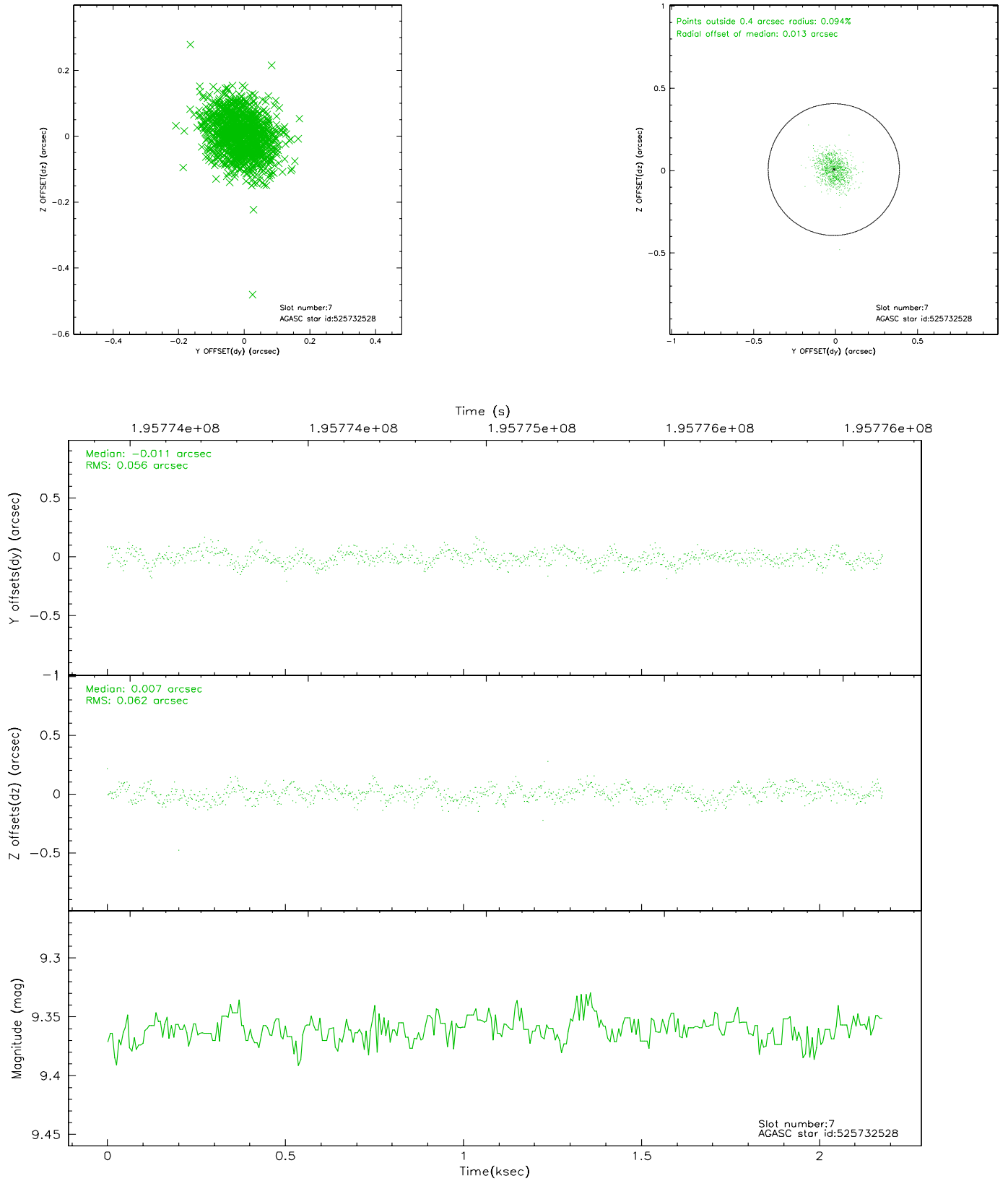
2.4.3 Slot 5



2.4.4 Slot 6

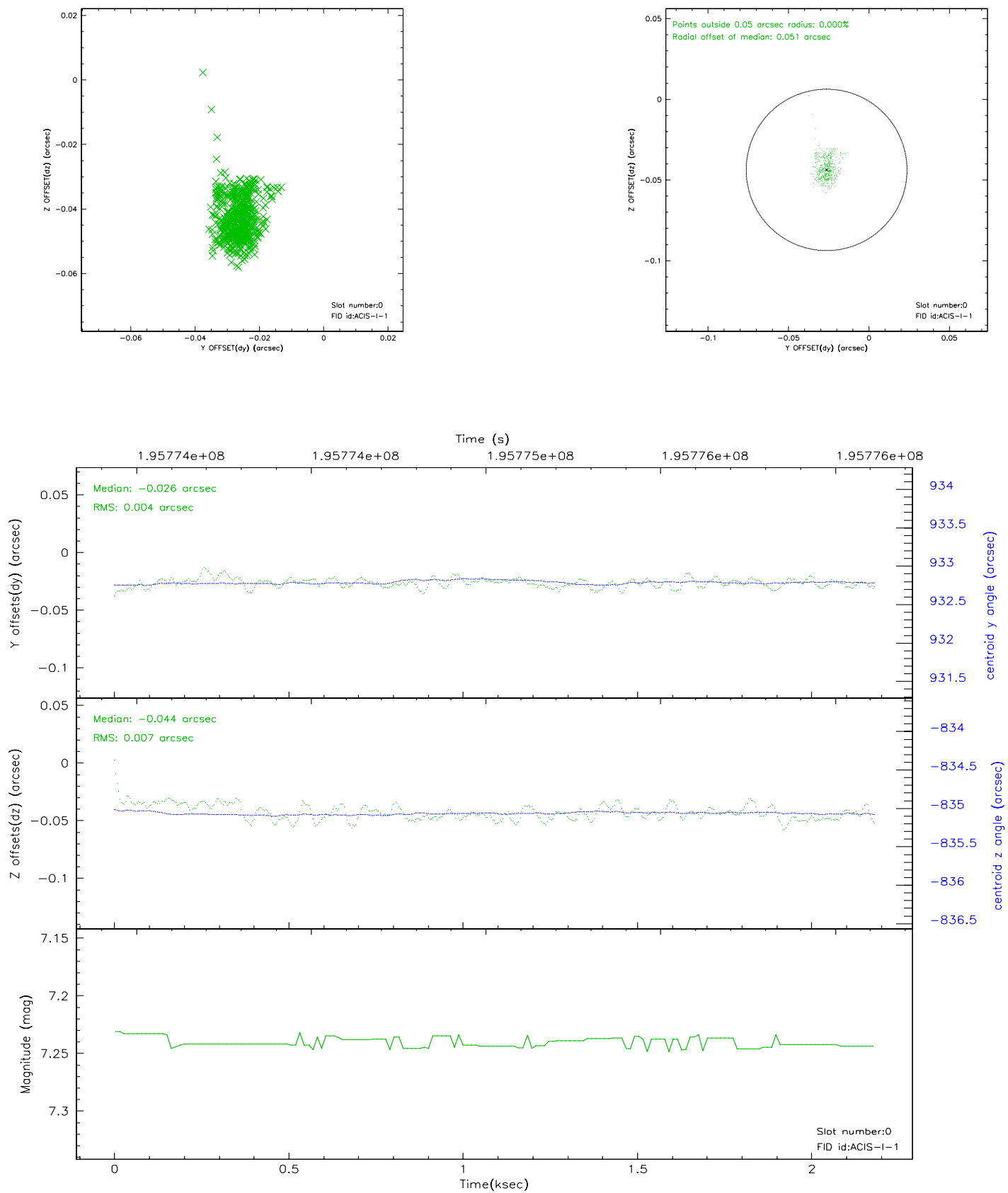


2.4.5 Slot 7

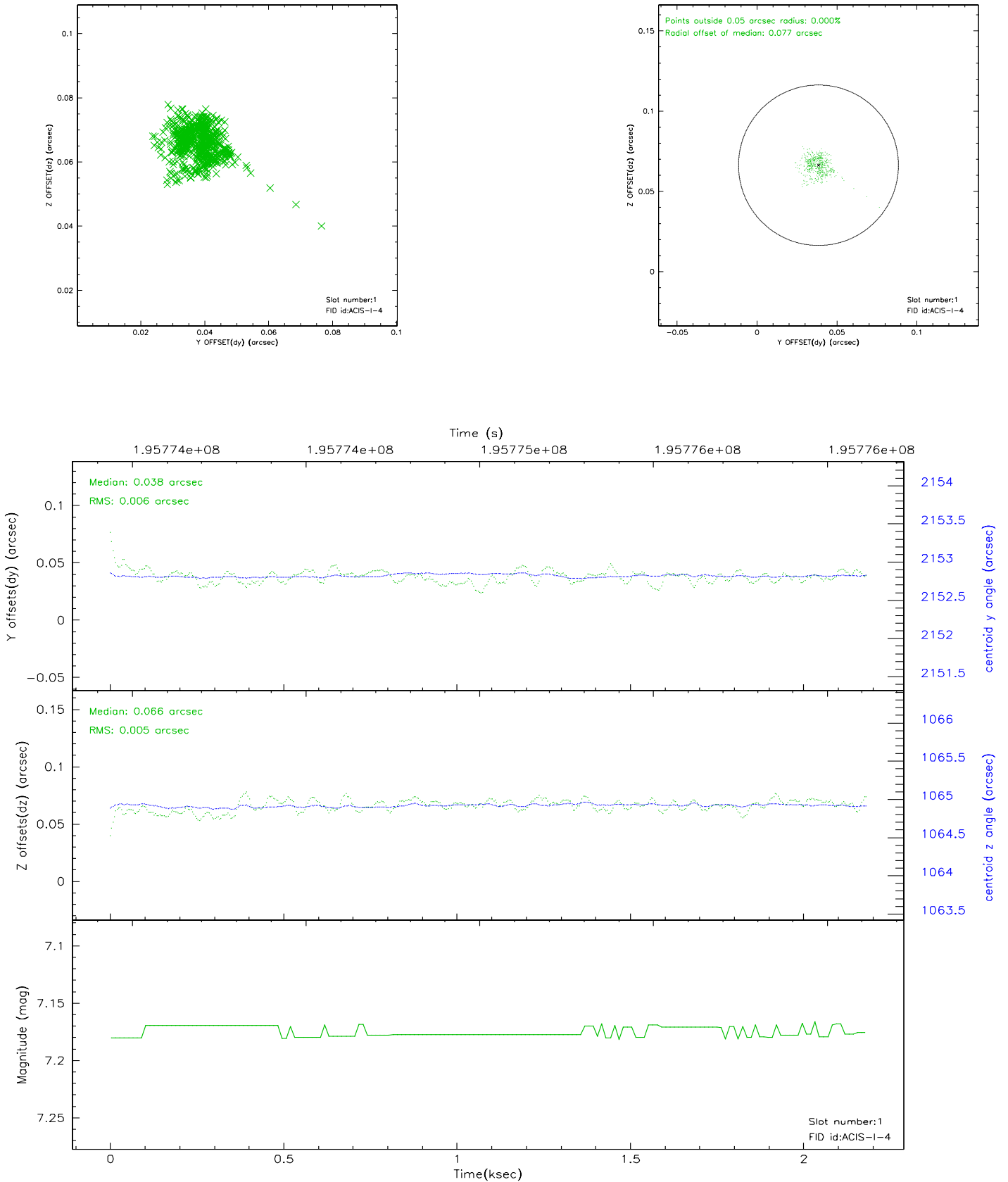


2.5 FID Slots

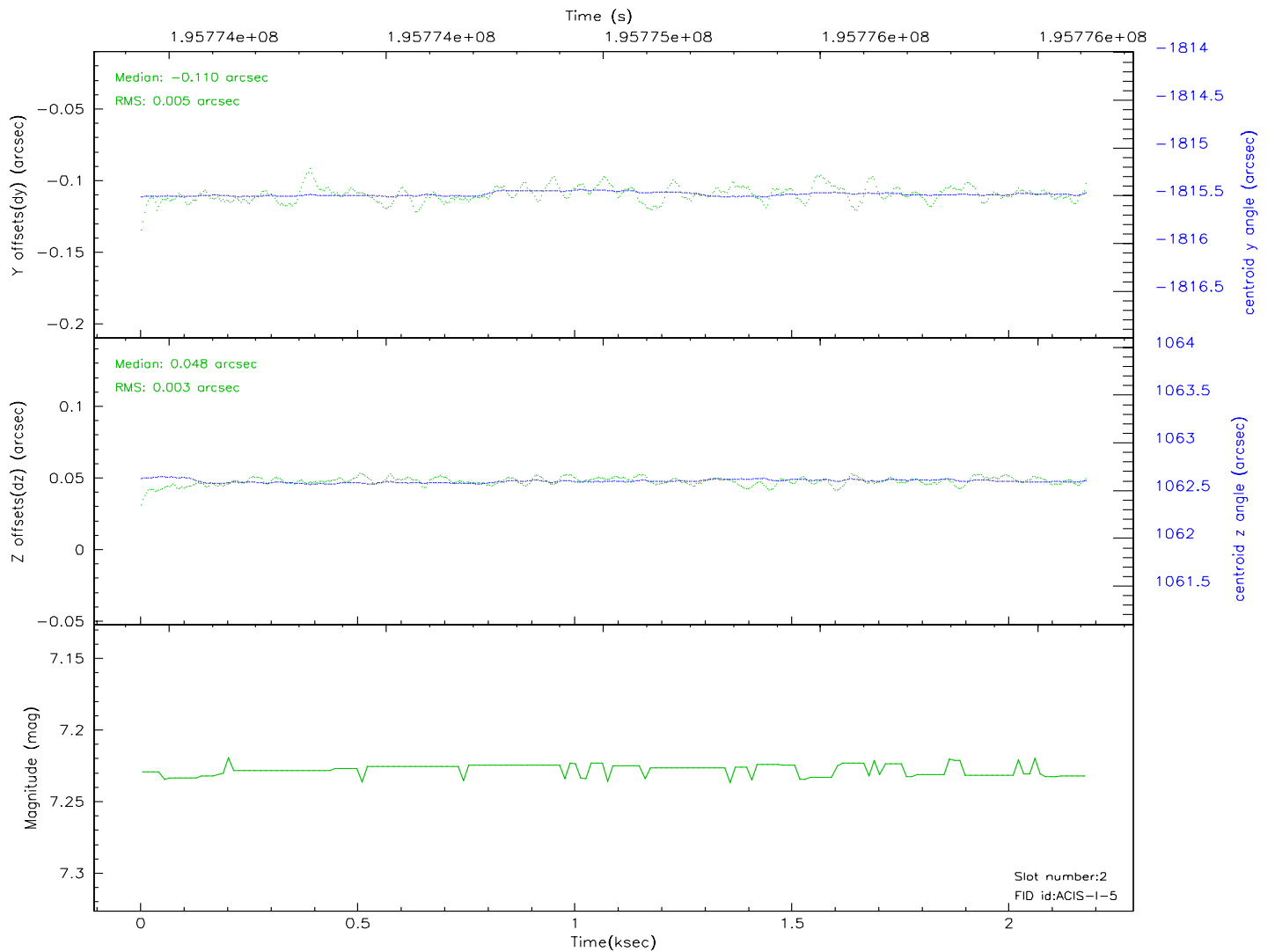
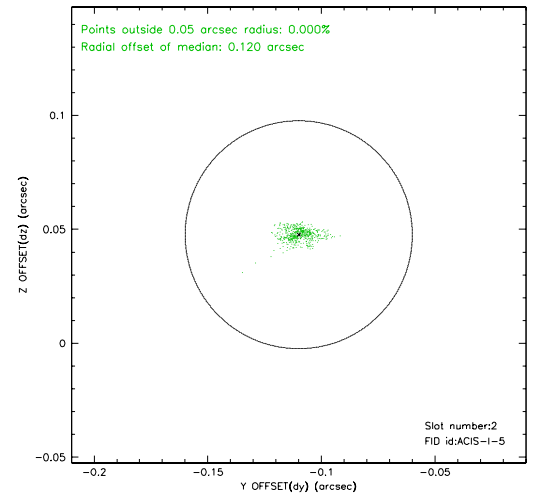
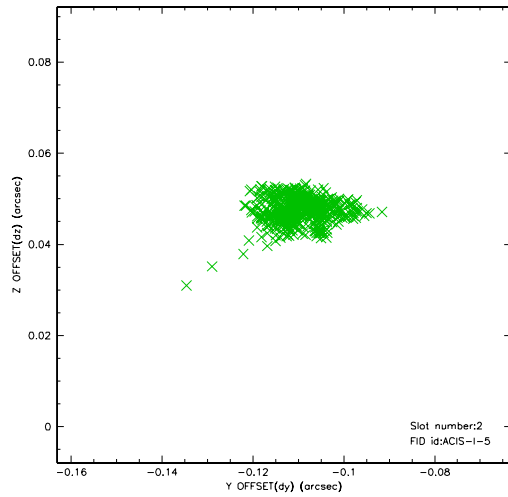
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.452

A.2 Comments

c