

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3751 - L2 Version 001
Chandra X-Ray Center

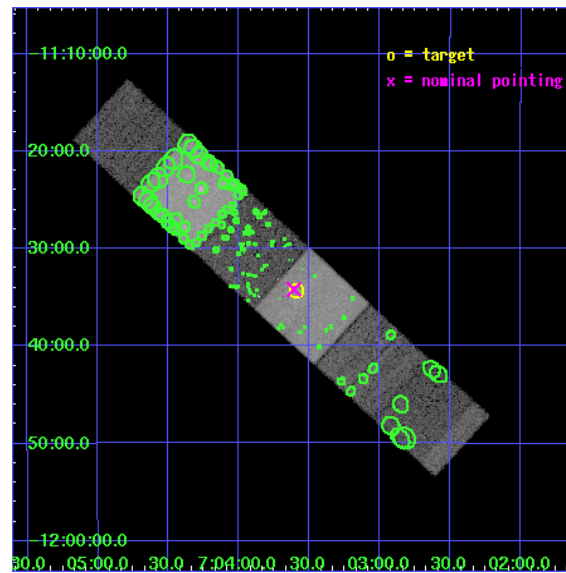
L2 Processing Date : Aug 16 2006

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
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
3	Point Sources	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

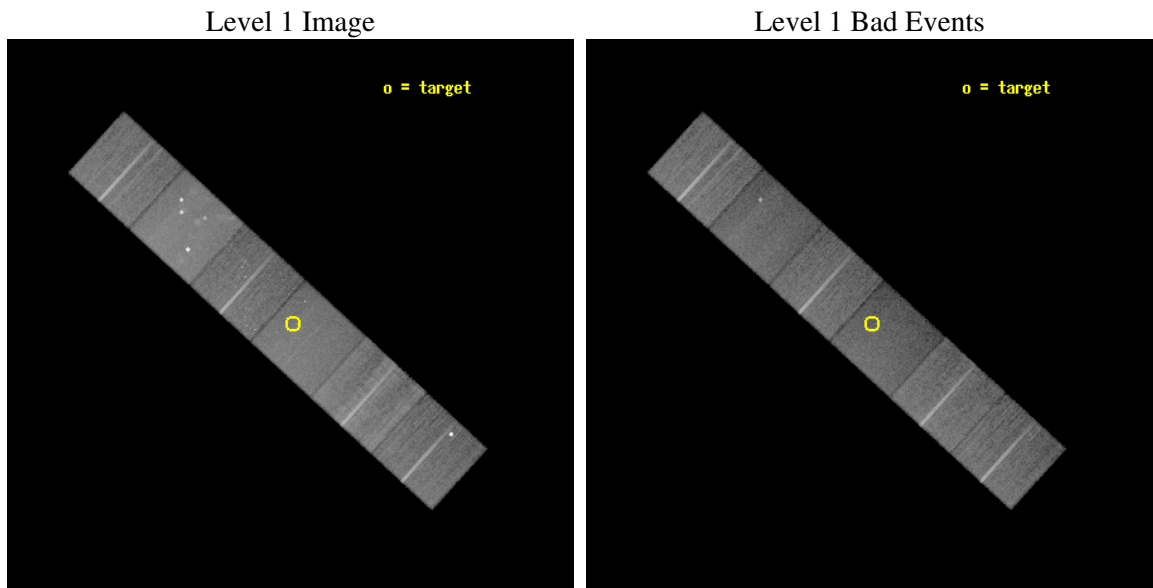
seq_num	200221
obs_id	3751
title	ACIS IMAGING OF Z CMA SUPERJET
observer	DR ALBERTO NORIEGA-CRESPO
object	ZCMA
dtcycle	0
cycle	P
ra_targ	105.898317
dec_targ	-11.571542
ra_nom	105.9024911522
dec_nom	-11.570084278678
roll_nom	42.447935764327
revision	2
ontime	38022.399858356
livetime	37540.937337008
ontime4	38022.399858356
ontime5	38022.399858356
ontime6	38022.399858356
ontime7	38022.399858356
ontime8	38022.399858356
ontime9	38022.399858356
l2events	294271



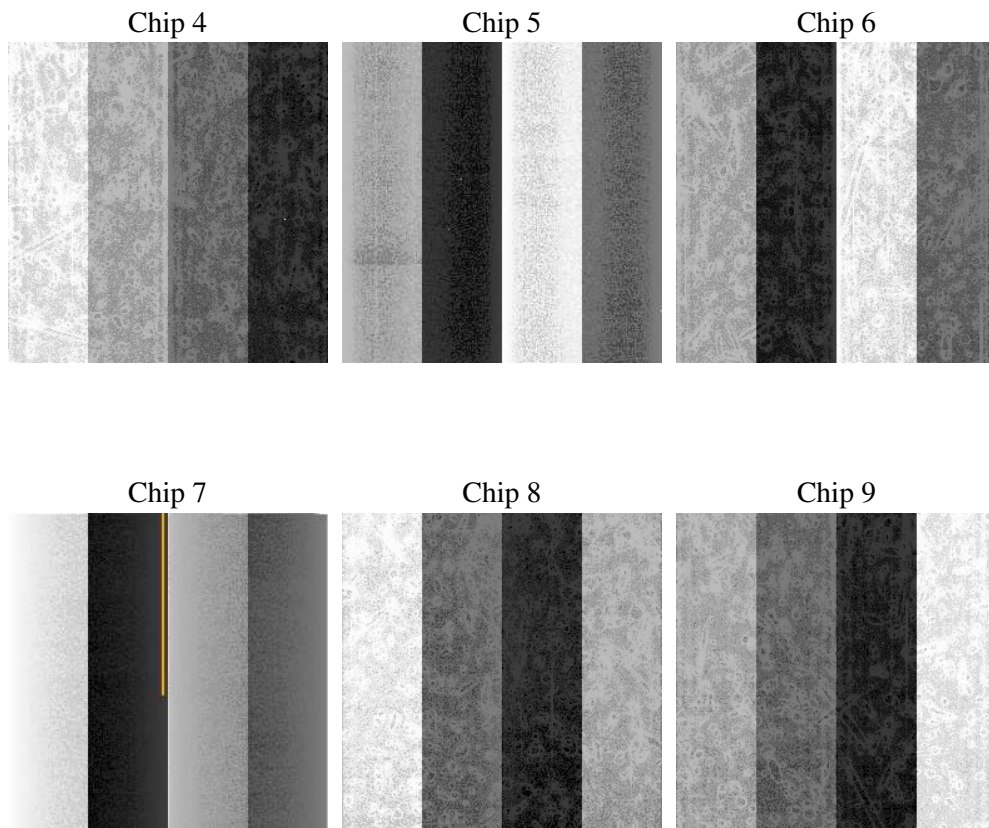
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-15T16:46:31
revision	2

sched_exp_time	38000.000000
ontime	38765.733191222
ontime4	38765.733171284
ontime5	38765.733171284
ontime6	38765.733171284
ontime7	38765.733191222
ontime8	38765.733171284
ontime9	38765.733171284
l1events	1361295

2.1.4 Events

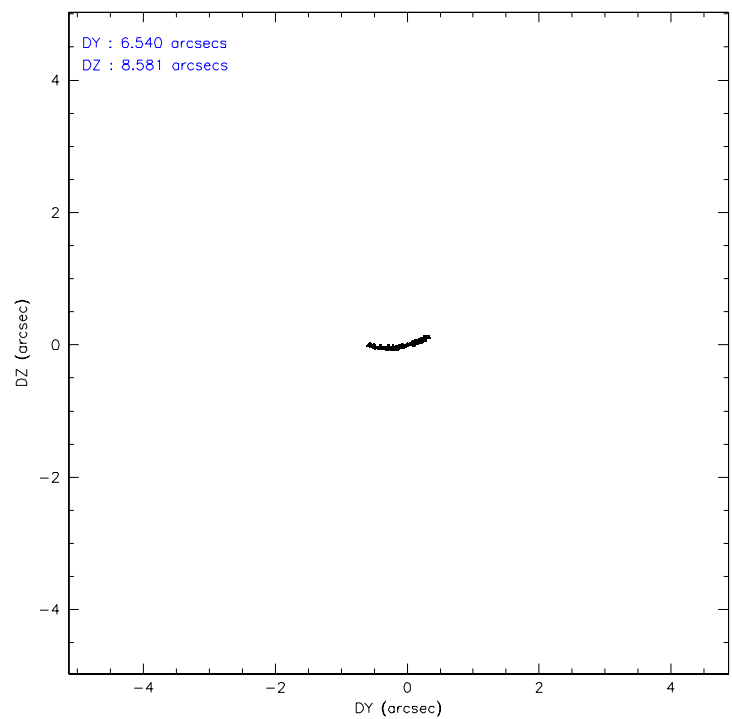
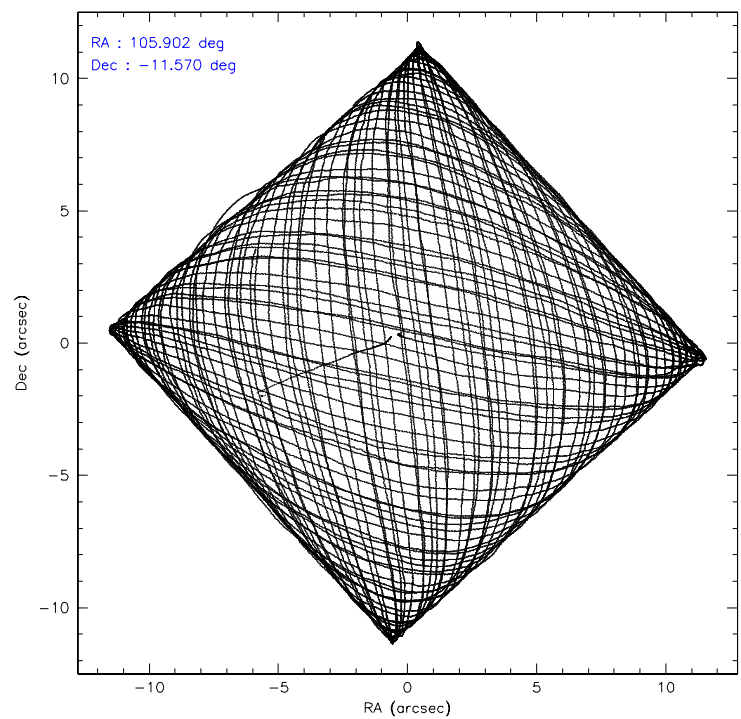
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	217820	280436	196185	214998	255139	196717
rejected events	195043	139021	170265	123853	185185	163842
rejected %	89%	49%	86%	57%	72%	83%

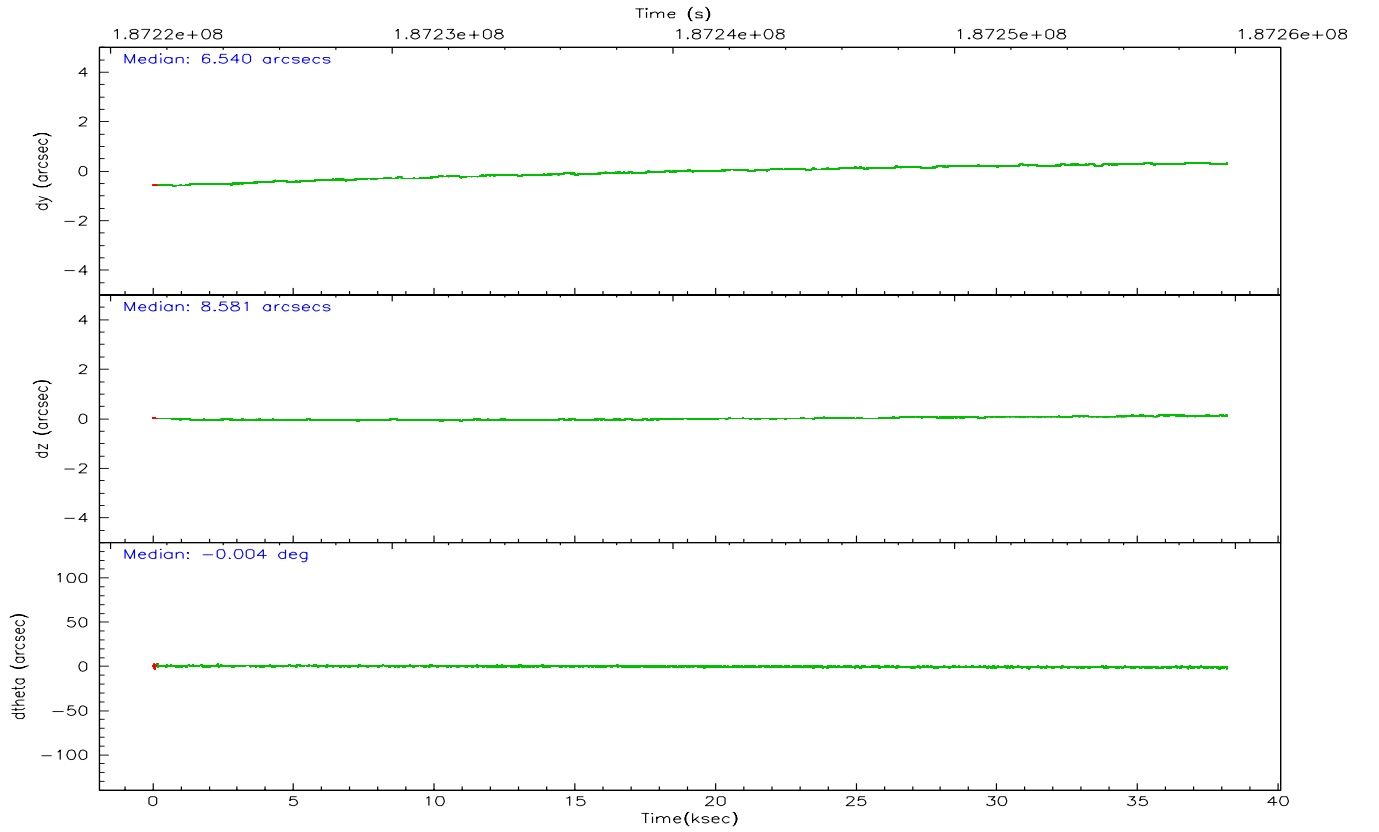
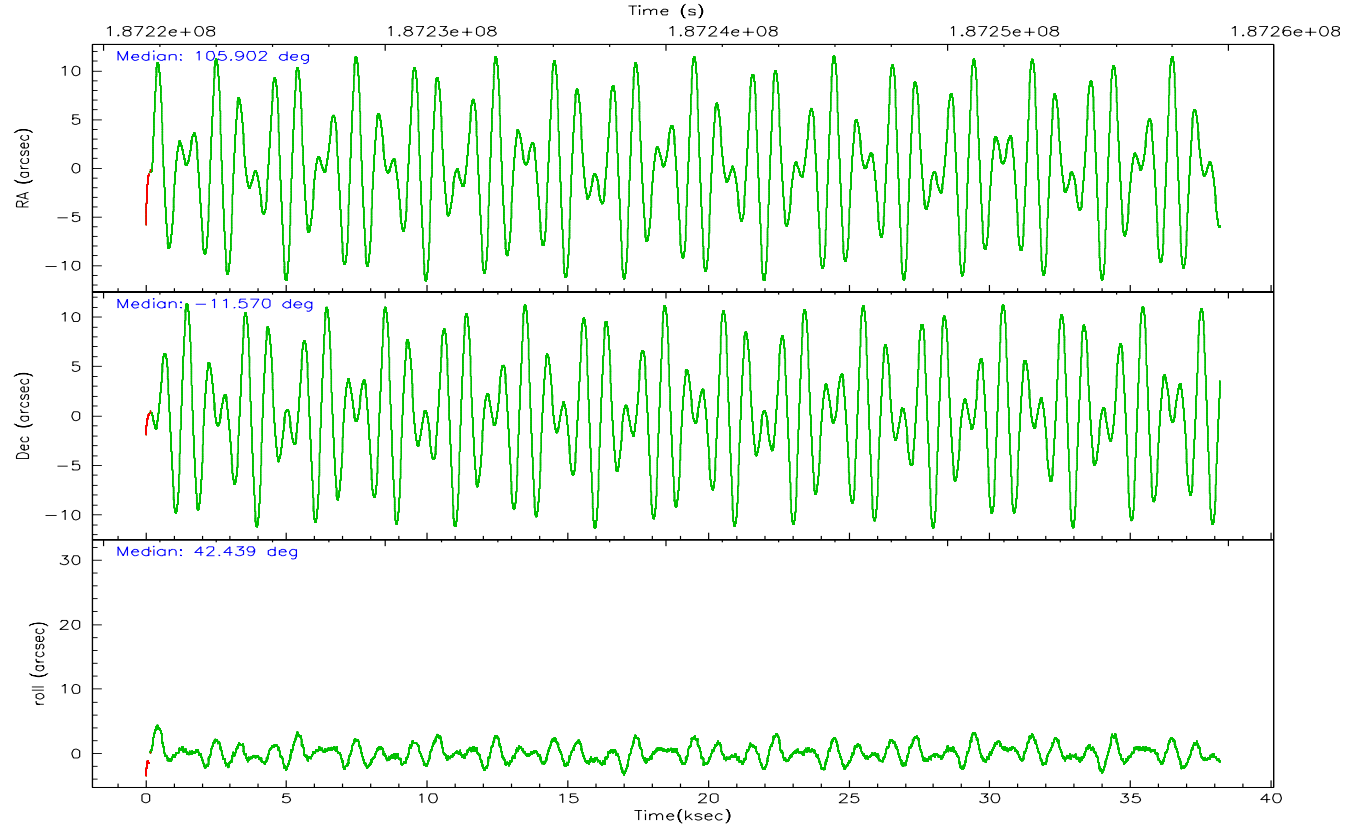
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	10097	21287	12555	5948	24953	19665
	4%	7%	6%	2%	9%	9%
grade 1 events	191	101	101	112	218	126
	0%	0%	0%	0%	0%	0%
grade 2 events	4995	43562	4843	22542	12820	4707
	2%	15%	2%	10%	5%	2%
grade 3 events	2353	3955	2361	5440	9467	2459
	1%	1%	1%	2%	3%	1%
grade 4 events	2261	3860	2319	5454	8772	2266
	1%	1%	1%	2%	3%	1%
grade 5 events	7246	13772	7719	15931	10702	8377
	3%	4%	3%	7%	4%	4%
grade 6 events	3510	71500	4305	53595	15245	4471
	1%	25%	2%	24%	5%	2%
grade 7 events	187167	122399	161982	105976	172962	154646
	85%	43%	82%	49%	67%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	105.894478	105.902491152197	Alternating exposures requested	N	N
Pointing Dec	-11.596143	-11.57008427867754	Primary exposure time	0.000000	3.2
Pointing Roll	42.289704	42.44793576432677			
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	187221696.184000	187220336.04499			
Observation start date	2003-12-07T22:00:32	2003-12-07T21:38:56			
Observation end time	187259696.184000	187260214.69672			
Observation end date	2003-12-08T08:33:52	2003-12-08T08:43:34			
Read mode	TIMED	TIMED			

2.3 Aspect



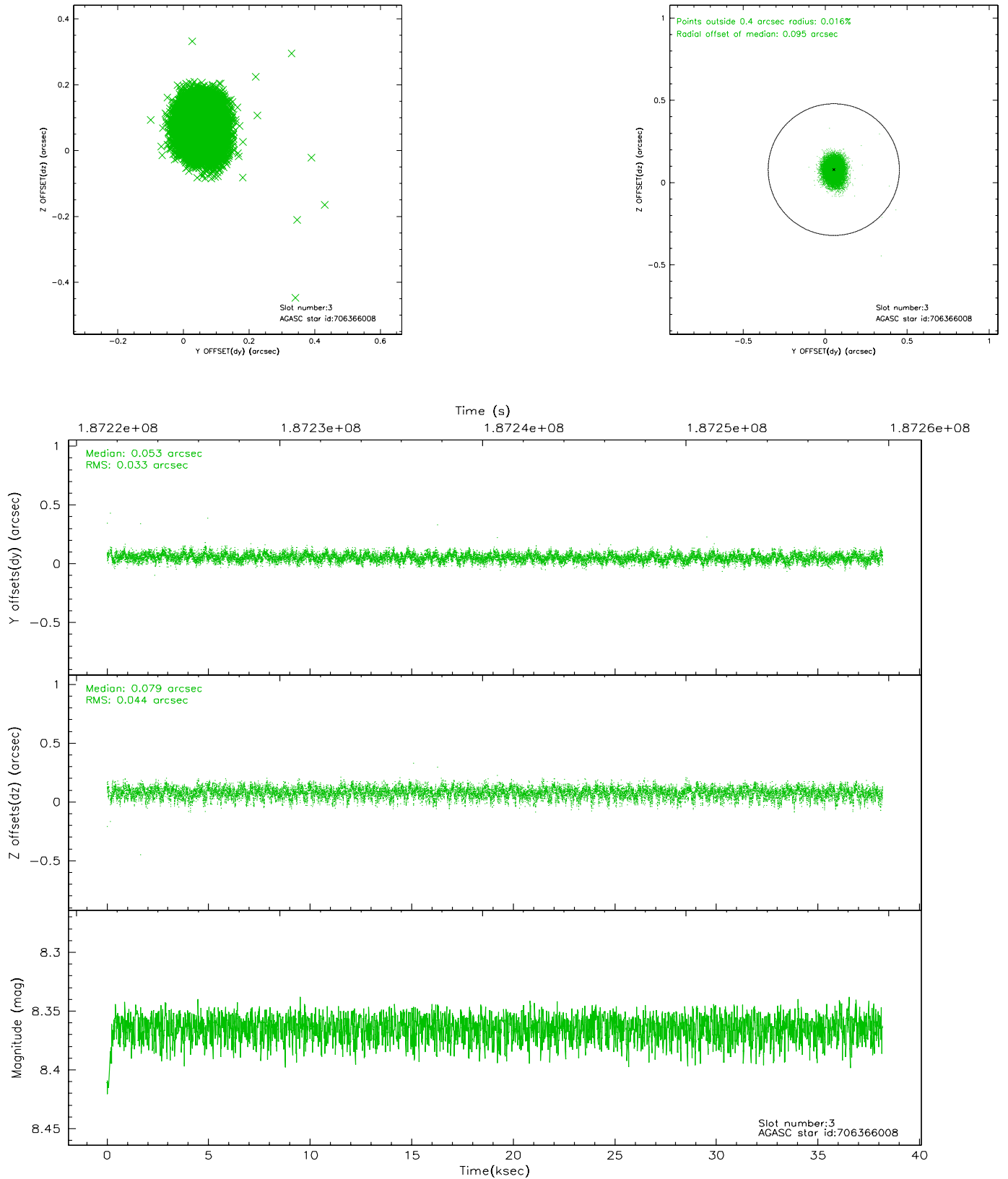


Slot Statistics

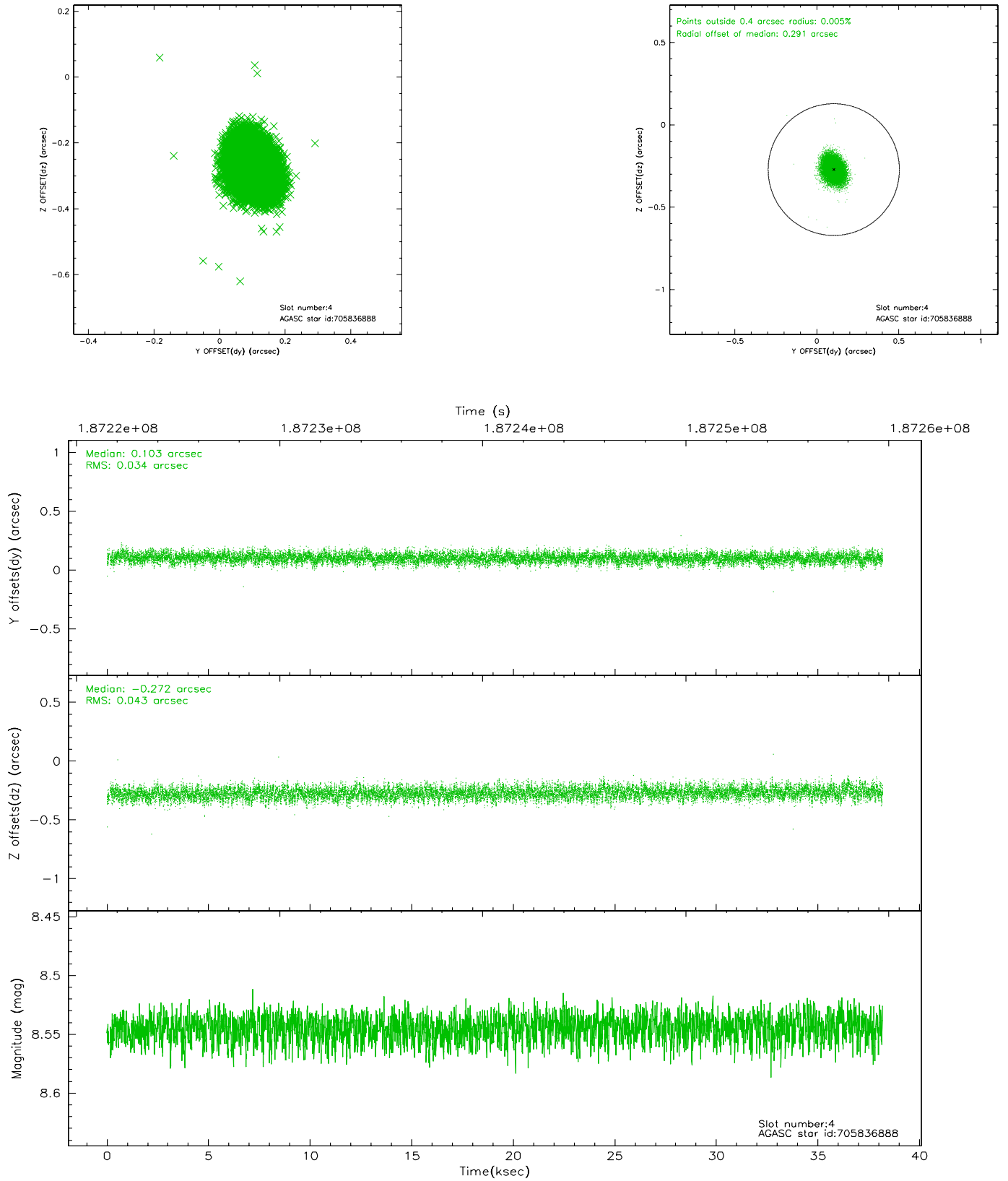
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	9299	0.039	-0.003	0.009	0.016	0.000000	0.000000	936.80	-1725.40
1	FID	ACIS-S-2	7.11	9299	-0.036	-0.017	0.007	0.011	0.000000	0.000000	-759.16	-1729.95
2	FID	ACIS-S-5	7.23	9299	-0.027	0.026	0.009	0.015	0.000000	0.000000	-1812.38	172.22
3	GUIDE	706366008	8.36	18596	0.053	0.079	0.058	0.095	105.814268	-12.218973	-1716.97	-1468.94
4	GUIDE	705836888	8.54	18597	0.103	-0.272	0.058	0.095	105.340597	-11.232126	-566.42	2283.67
5	GUIDE	706348312	8.05	18598	-0.052	0.045	0.063	0.101	106.639528	-11.450407	2295.85	-1382.75
6	GUIDE	706356824	8.86	18593	-0.102	0.151	0.073	0.117	106.690847	-11.618918	2020.19	-1952.82
7	MONITOR		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

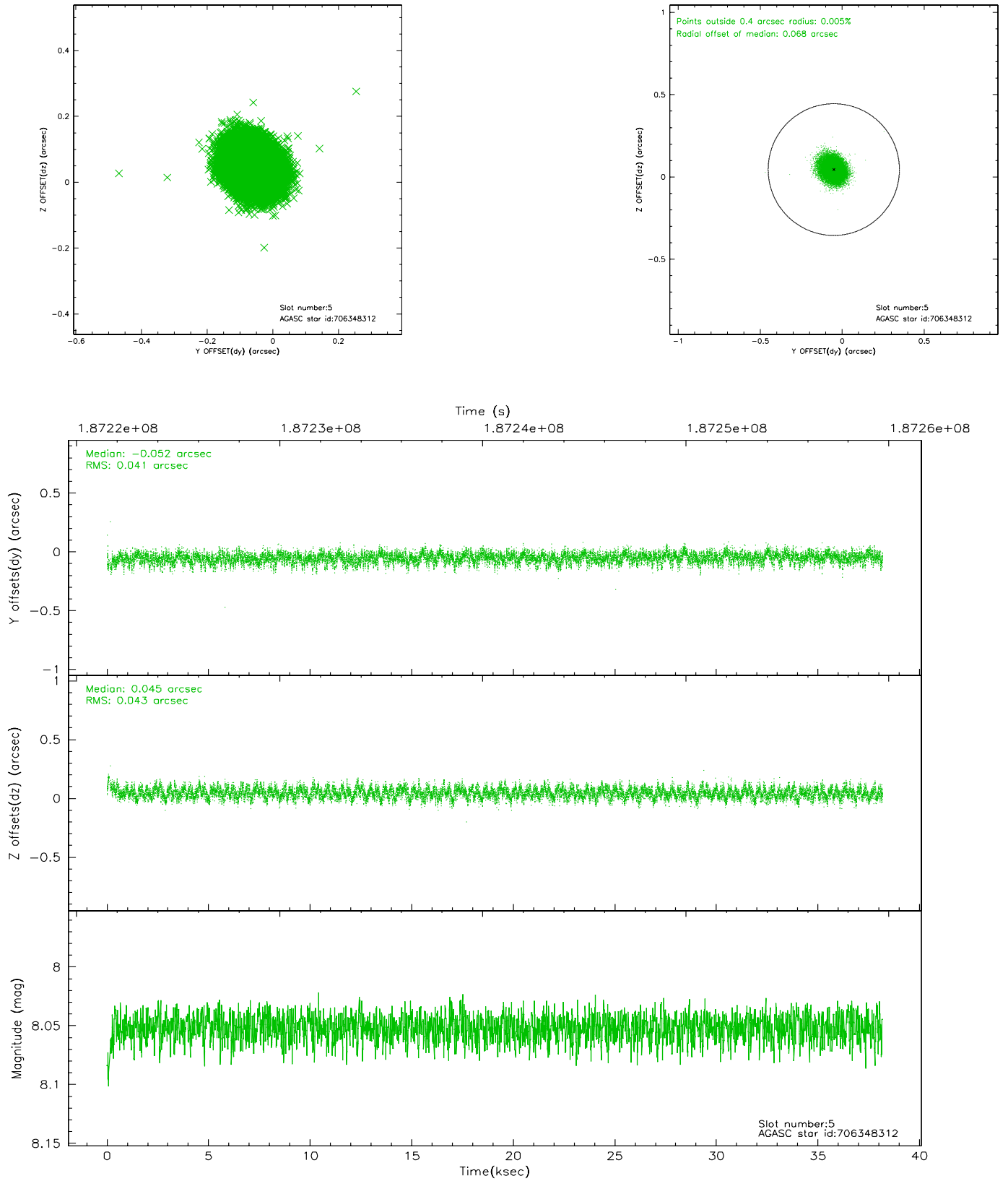
2.4.1 Slot 3



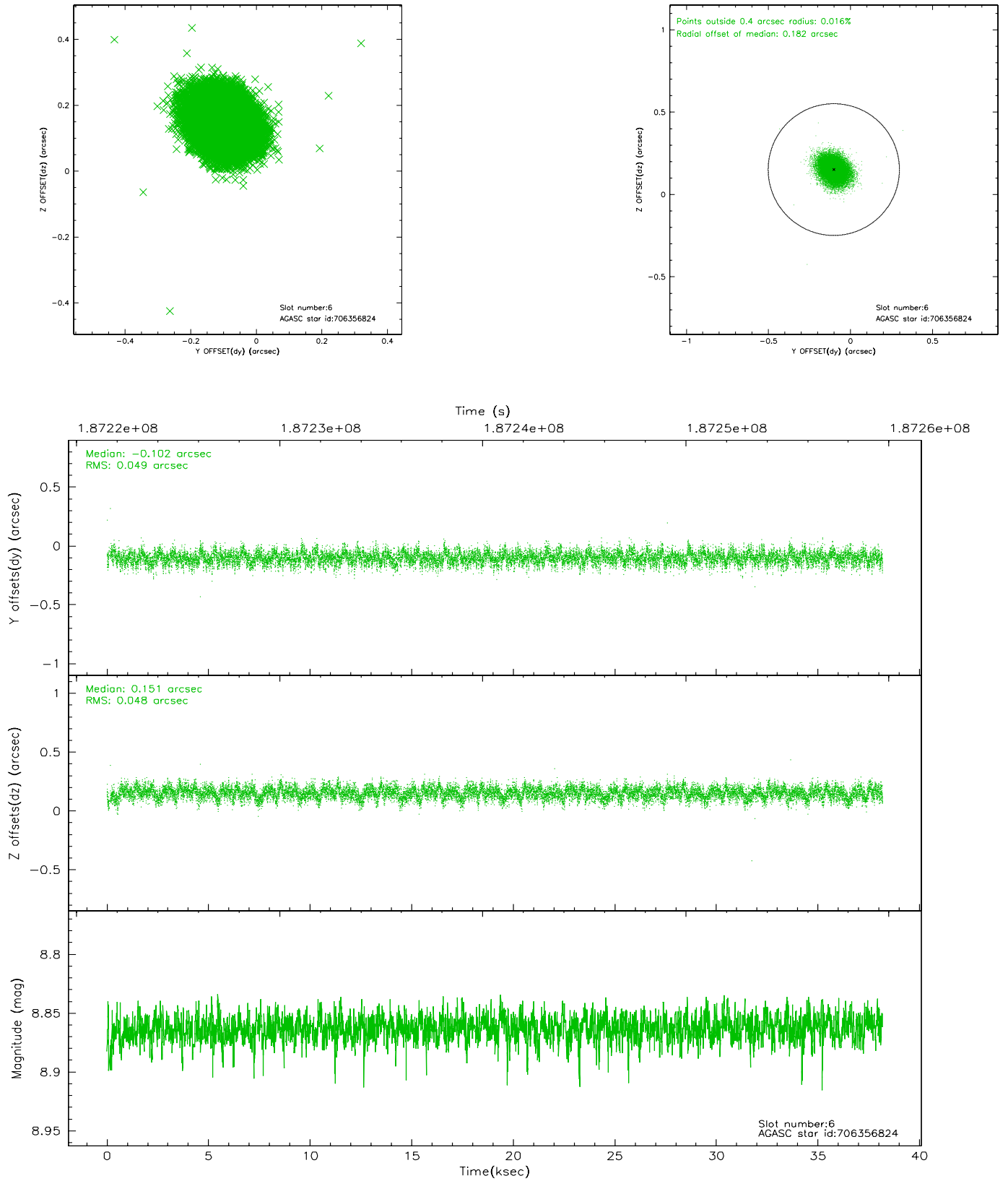
2.4.2 Slot 4



2.4.3 Slot 5

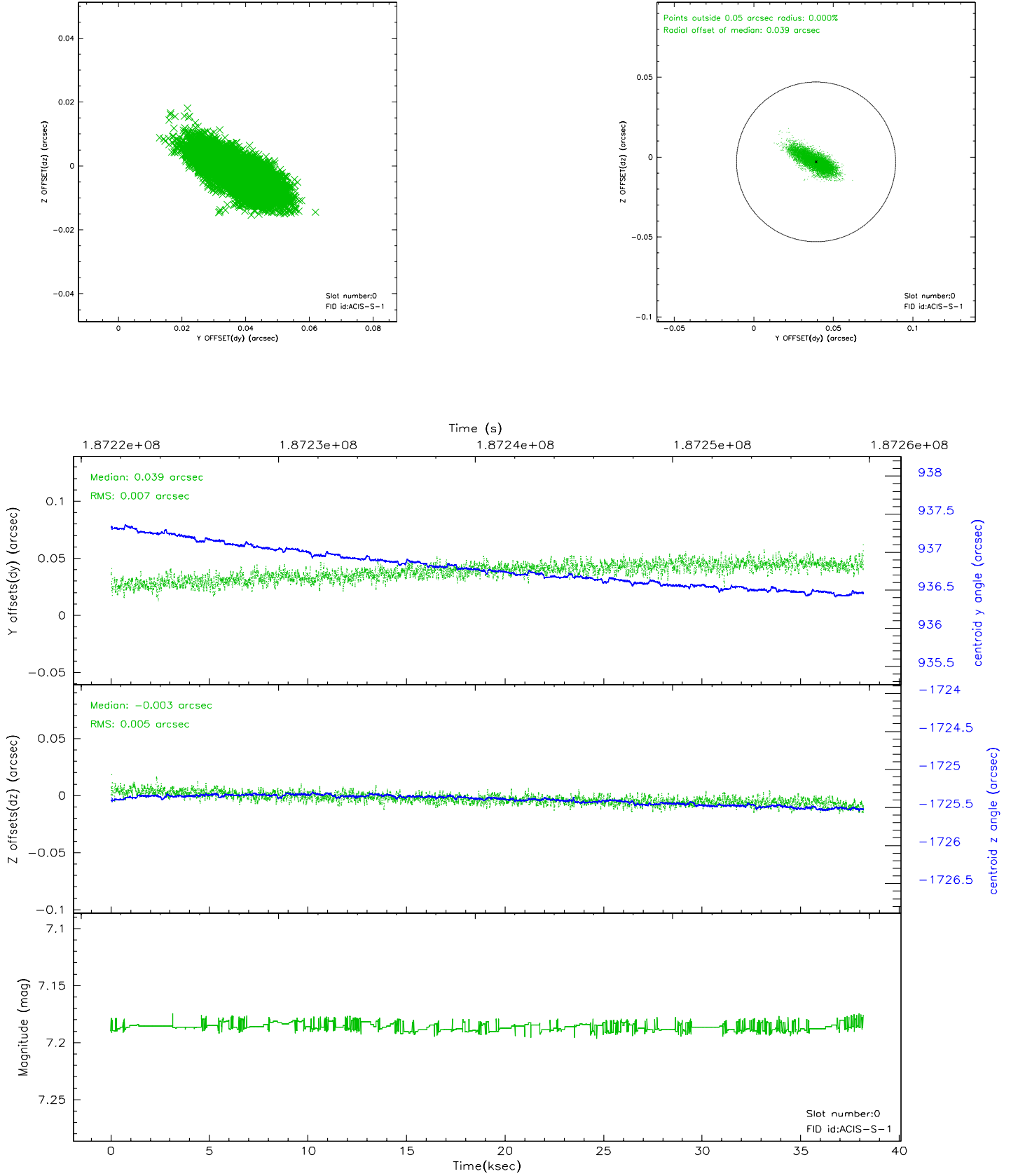


2.4.4 Slot 6

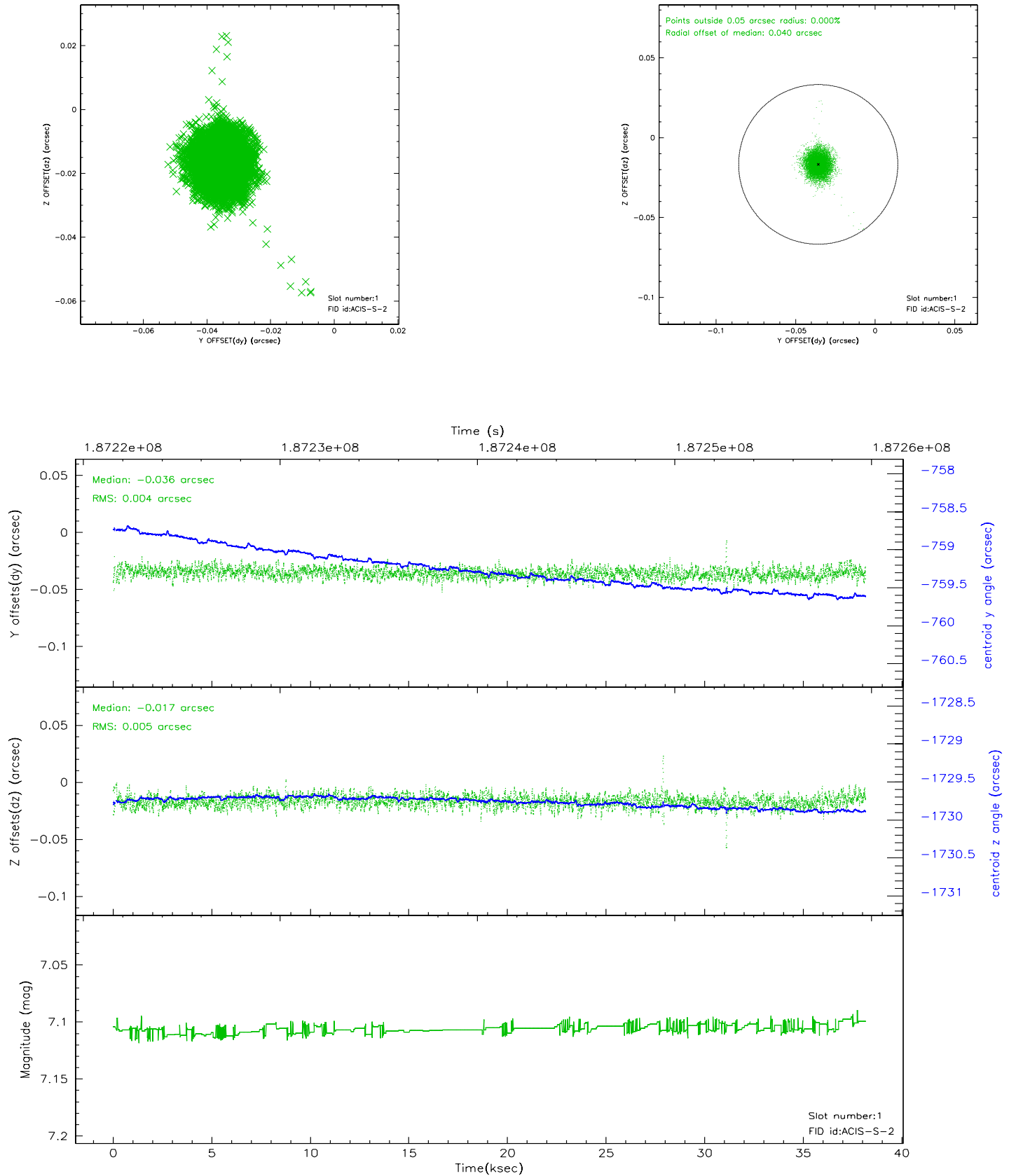


2.5 FID Slots

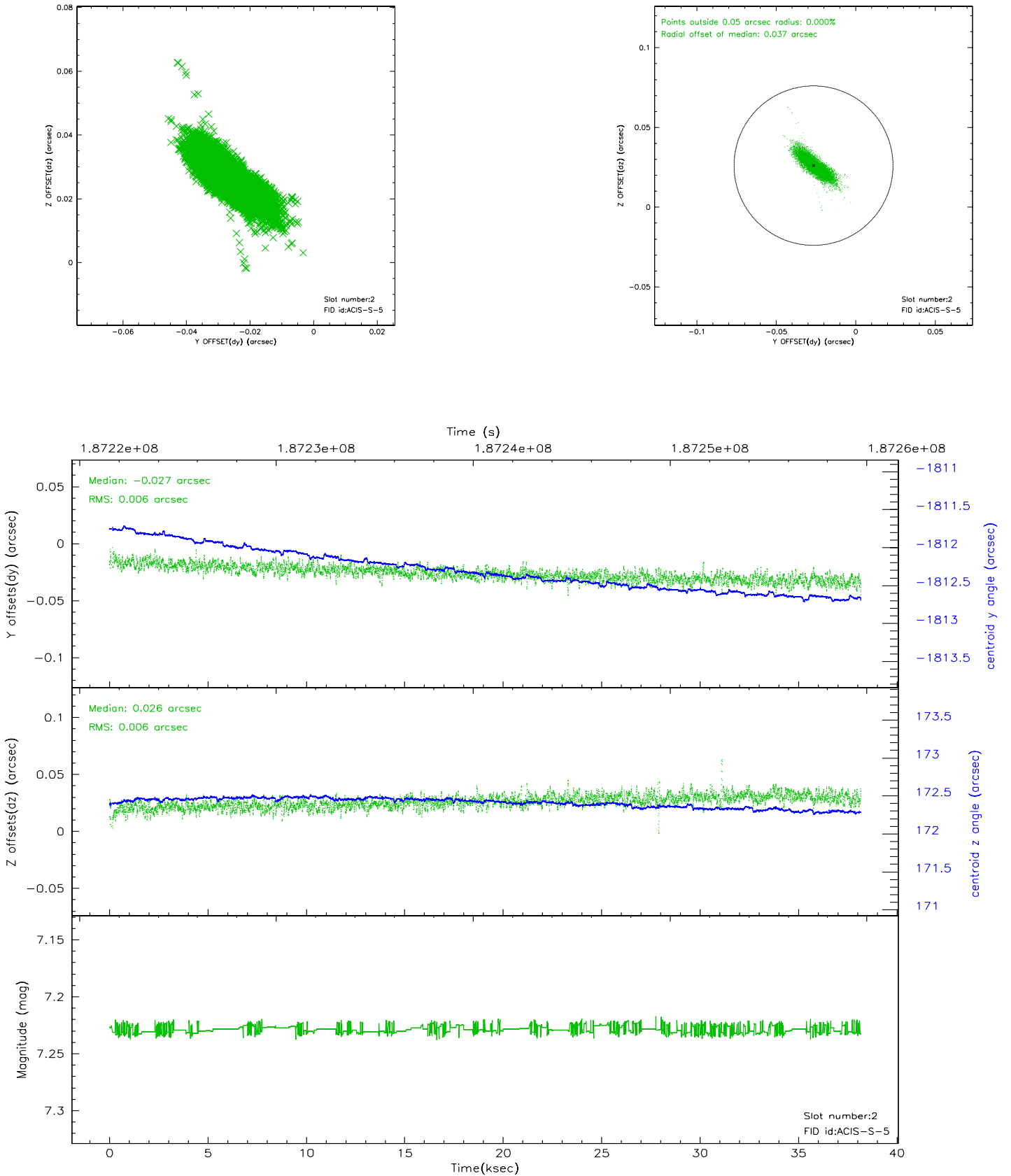
2.5.1 Slot 0



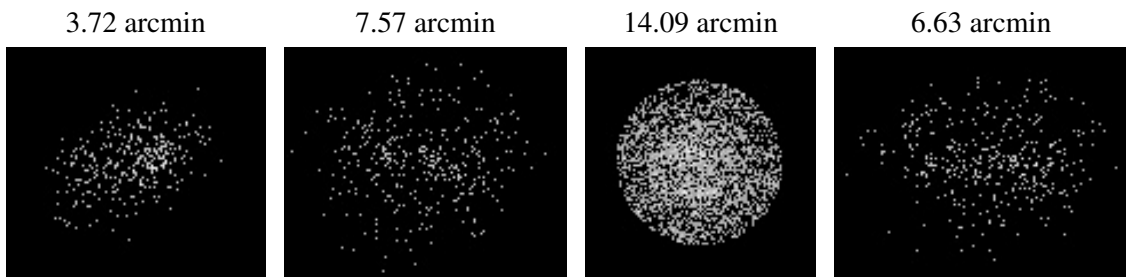
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.022

A.2 Comments

Roll preference met. Window preference not met.

A monitor star was used in this observation.