

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2224 - L2 Version 001
Chandra X-Ray Center

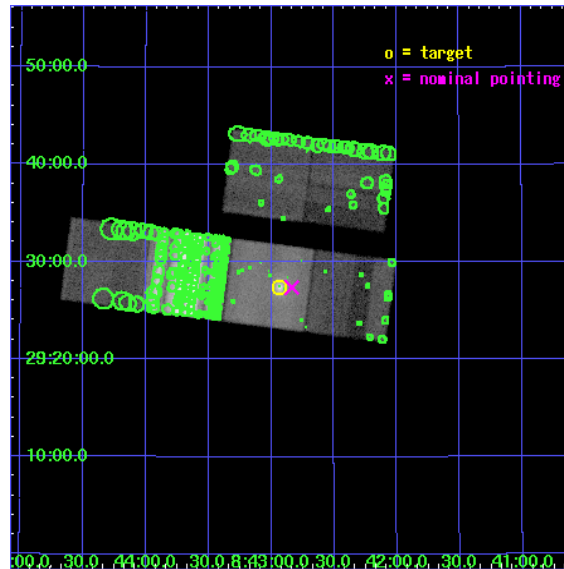
L2 Processing Date : Nov 4 2006

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

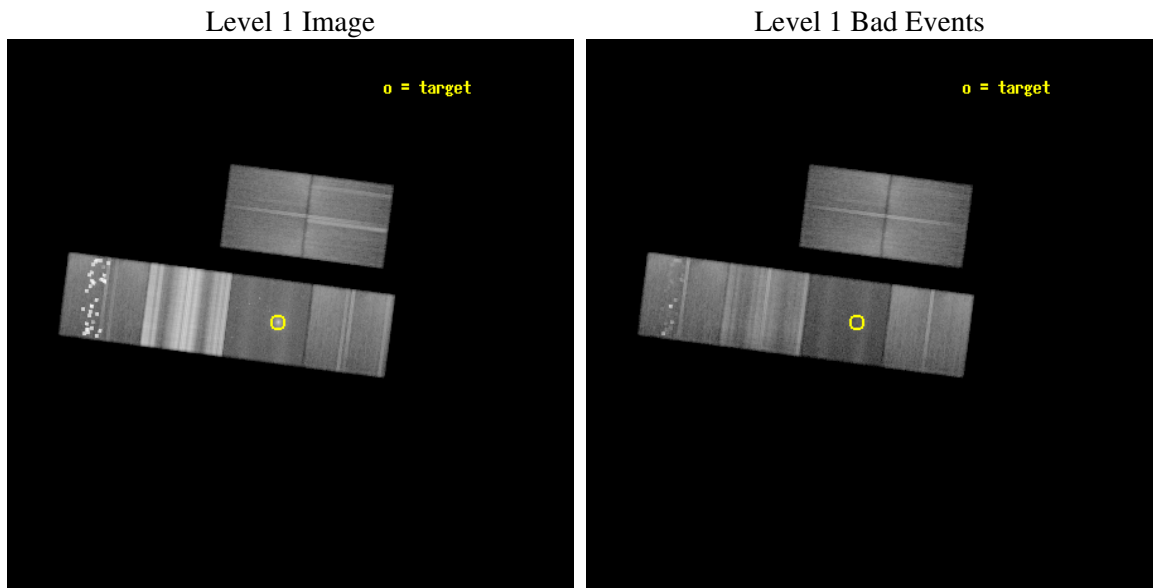
seq_num	800163
obs_id	2224
title	CHANDRA OBSERVATIONS OF MS0440.5+0204 & MS0839.9+2938: COOLING FLOW CLUSTERS IN FORMATION?
observer	Prof. Brian McNamara
object	MS0839.9+2938
dtcycle	0
cycle	P
ra_targ	130.732917
dec_targ	29.4575
ra_nom	130.70893159644
dec_nom	29.456605342478
roll_nom	187.37532734235
revision	2
ontime	30153.55906783
livetime	29771.73654662
ontime2	30156.800028086
ontime3	30153.559037909
ontime6	30156.800028086
ontime7	30153.55906783
ontime8	30153.559087768
ontime9	30156.800028086
l2events	992148



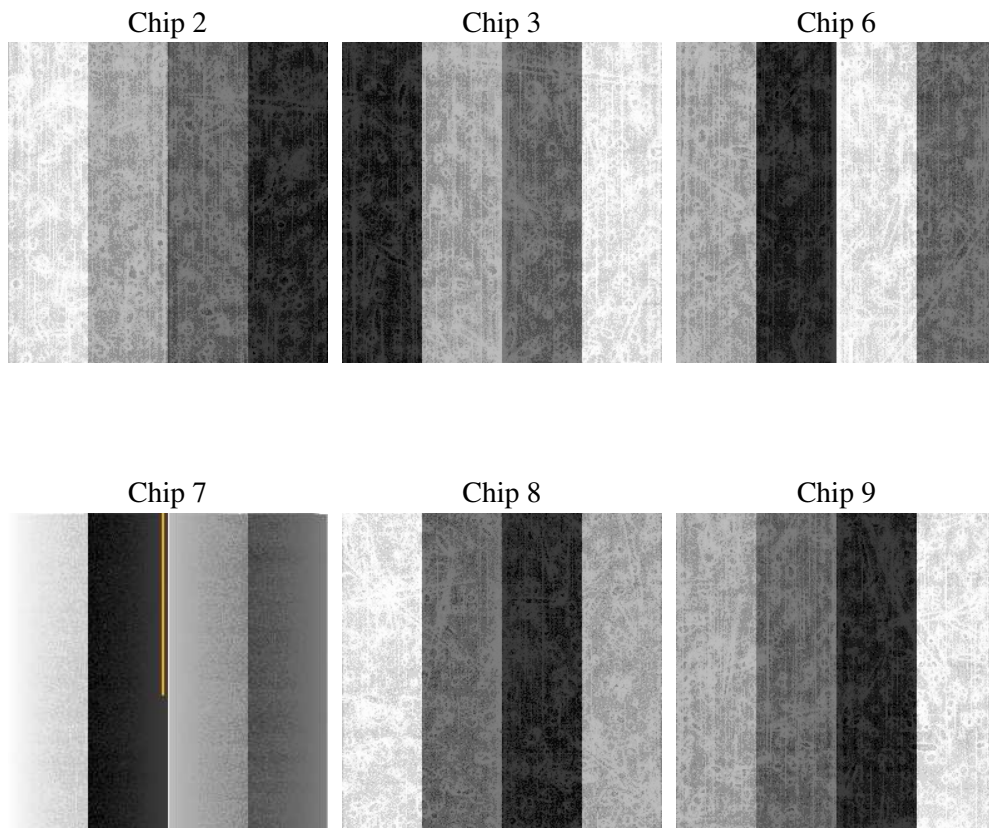
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-04T13:51:51
revision	2

sched_exp_time	30000.000000
ontime	30468.660583109
ontime2	30471.901543364
ontime3	30468.660553187
ontime6	30471.901543364
ontime7	30468.660583109
ontime8	30468.66057314
ontime9	30471.901513457
l1events	4138301

2.1.4 Events

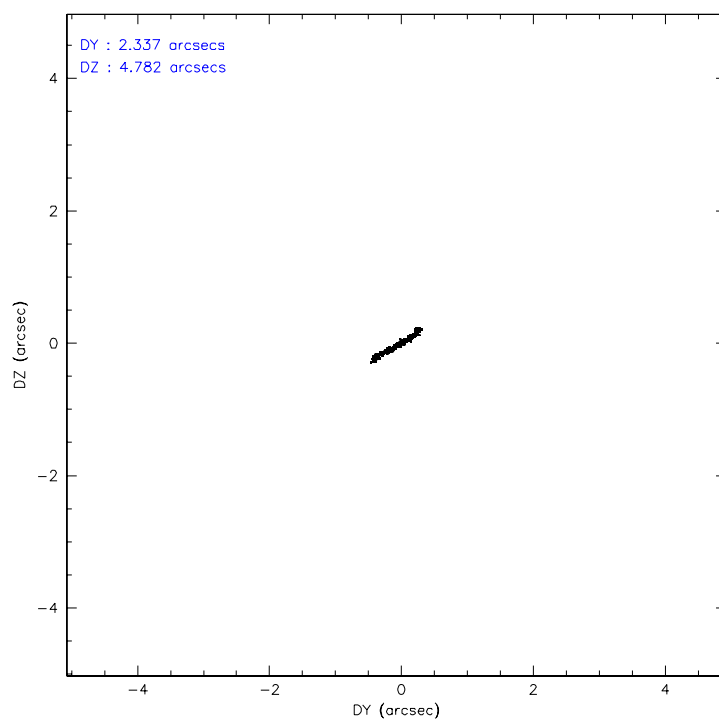
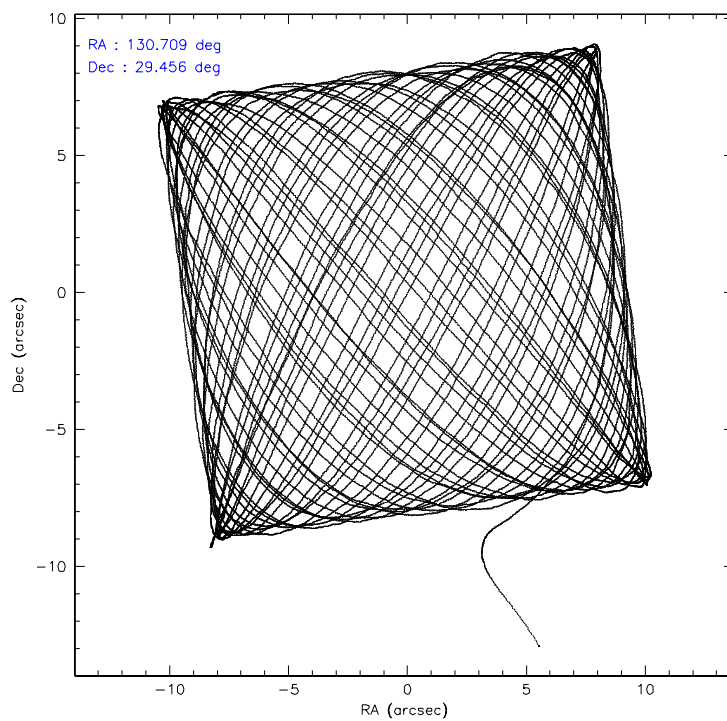
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	481528	430645	481573	305575	1716088	722892
rejected events	401200	385713	417359	168354	521606	395630
rejected %	83%	89%	86%	55%	30%	54%

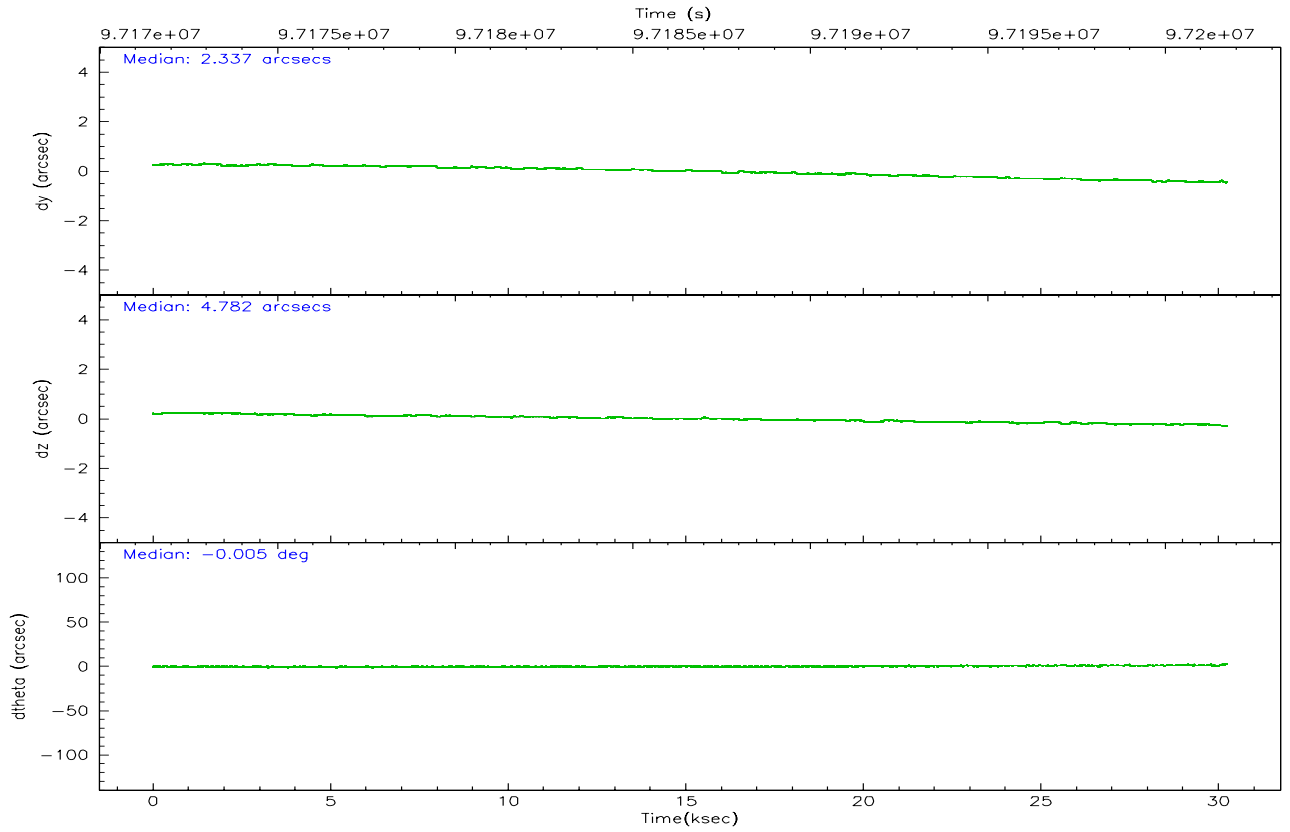
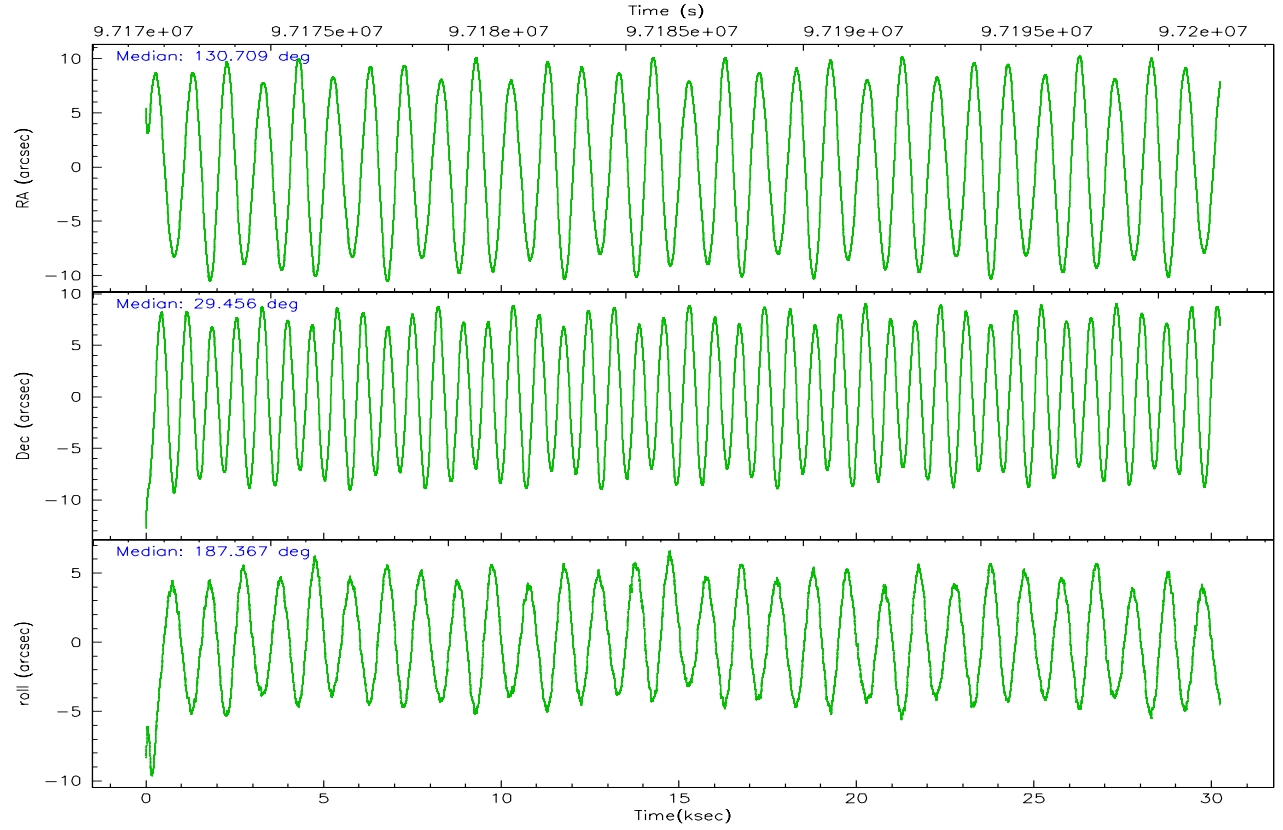
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	35315	13060	26401	16179	355643	208756
	7%	3%	5%	5%	20%	28%
grade 1 events	364	111	267	530	3151	8607
	0%	0%	0%	0%	0%	1%
grade 2 events	25968	14358	22620	40130	149304	93207
	5%	3%	4%	13%	8%	12%
grade 3 events	2139	2284	2463	10986	242473	2901
	0%	0%	0%	3%	14%	0%
grade 4 events	5758	2472	2442	10809	212337	9565
	1%	0%	0%	3%	12%	1%
grade 5 events	6758	6923	7740	18272	25633	15216
	1%	1%	1%	5%	1%	2%
grade 6 events	12162	13153	11050	60609	252323	16246
	2%	3%	2%	19%	14%	2%
grade 7 events	393064	378284	408590	148060	475224	368394
	81%	87%	84%	48%	27%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-236789	ACIS-236789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	130.733695	130.7089315964365	Subarray requested	NONE	NONE
Pointing Dec	29.473379	29.45660534247756	Alternating exposures requested	N	N
Pointing Roll	187.206522	187.3753273423469	Primary exposure time	0.000000	3.2
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	97171658.184000	97170425.67136			
Observation start date	2001-01-29T16:06:34	2001-01-29T15:47:05			
Observation end time	97201658.184000	97202217.58508401			
Observation end date	2001-01-30T00:26:34	2001-01-30T00:36:57			
Read mode	TIMED	TIMED			

2.3 Aspect



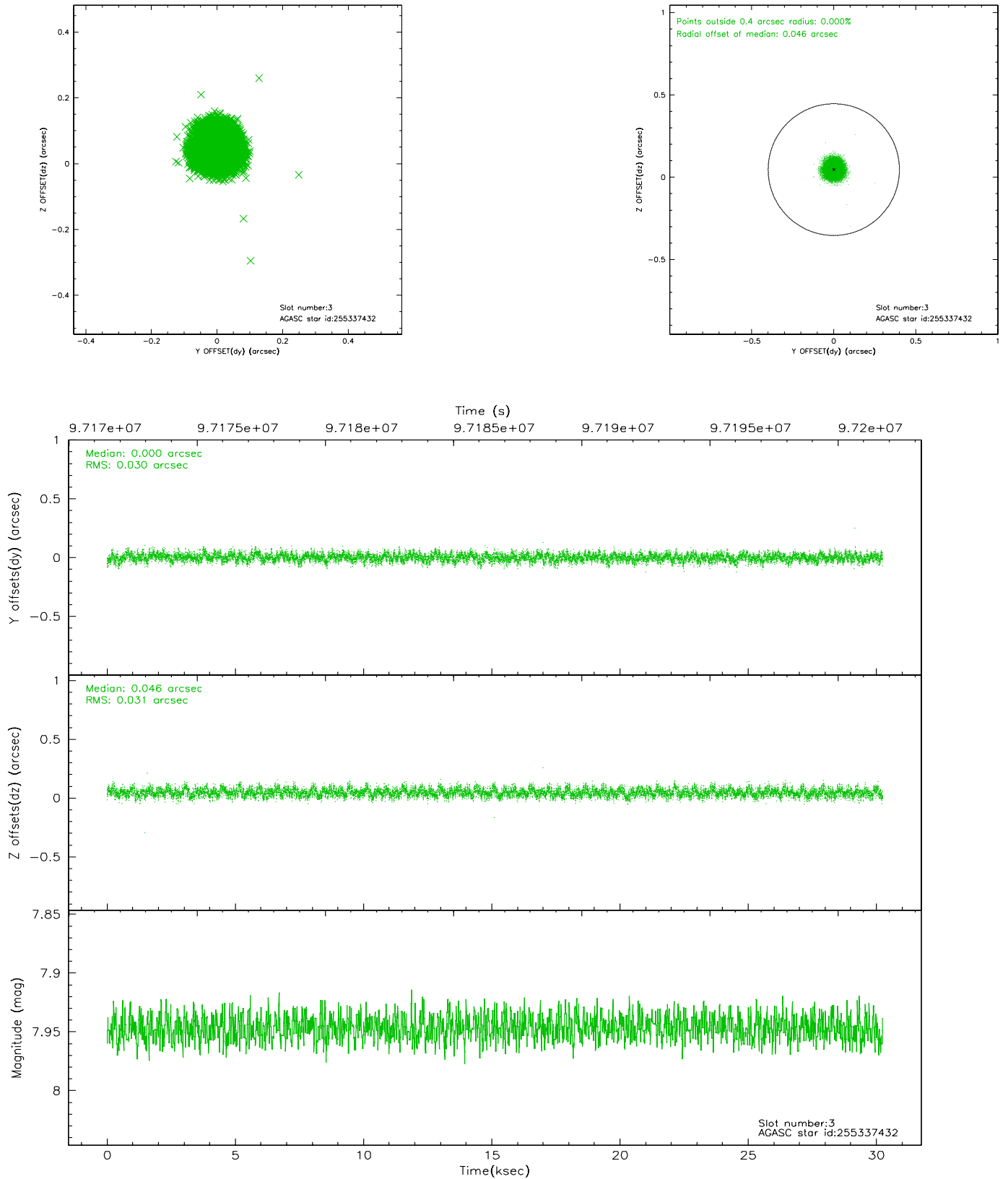


Slot Statistics

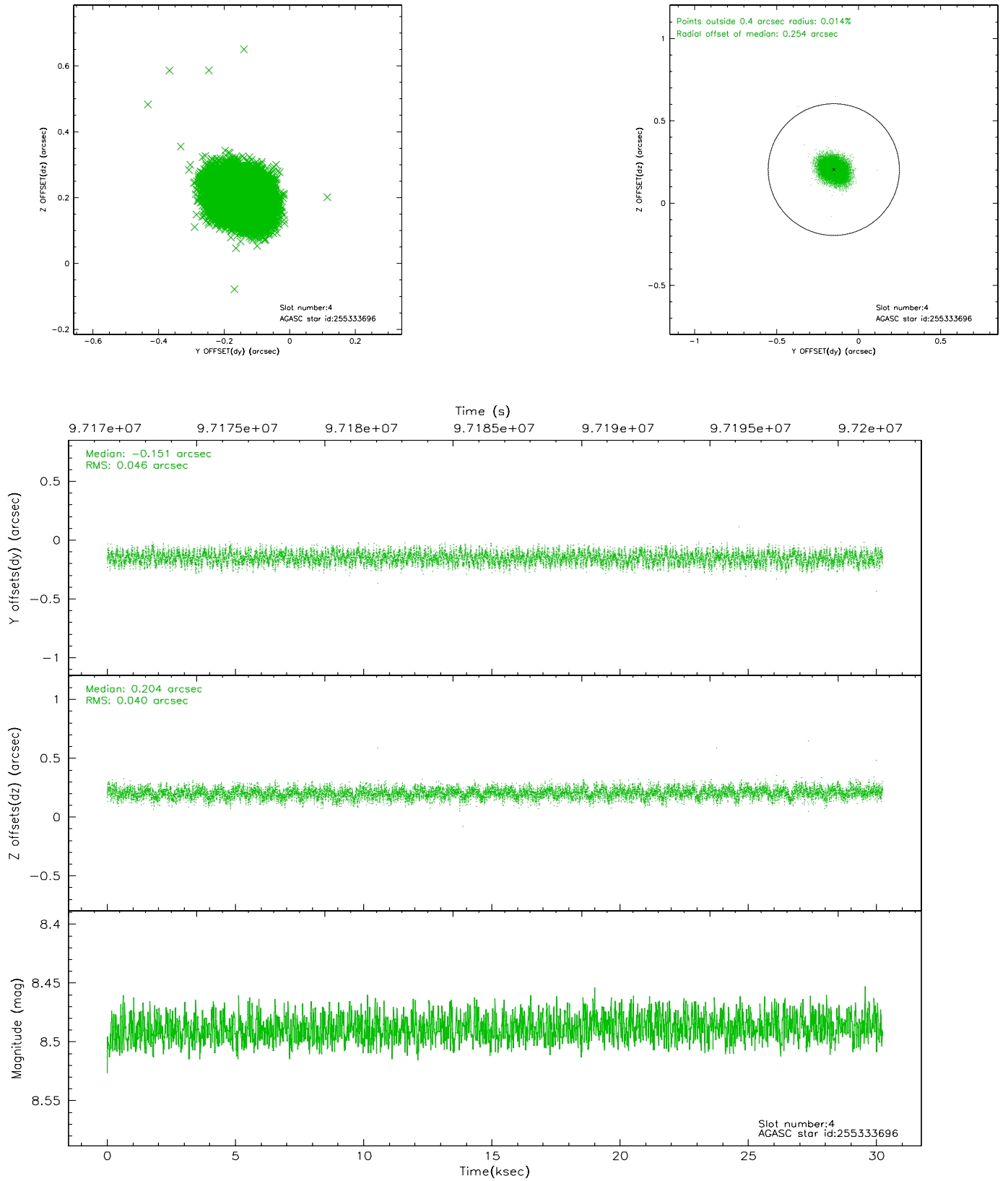
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7376	-0.019	0.012	0.007	0.012	0.000000	0.000000	-754.92	-1725.83
1	FID	ACIS-S-4	7.20	7377	-0.064	0.006	0.010	0.020	0.000000	0.000000	2158.25	182.62
2	FID	ACIS-S-5	7.24	7378	0.051	-0.008	0.008	0.014	0.000000	0.000000	-1807.63	176.29
3	GUIDE	255337432	7.95	14754	0.000	0.046	0.046	0.074	130.226540	29.206439	1701.05	749.89
4	GUIDE	255333696	8.49	14747	-0.151	0.204	0.066	0.104	130.413204	29.994468	756.16	-1987.91
5	GUIDE	255463912	8.43	14754	-0.071	-0.629	0.067	0.110	131.388127	29.267753	-1947.02	985.03
6	GUIDE	255332544	8.66	14754	0.017	0.016	0.052	0.085	130.024735	29.283160	2293.38	393.38
7	GUIDE	255464040	8.95	14750	0.206	0.364	0.086	0.135	131.534556	28.968726	-2275.70	2109.95

2.4 Star Slots

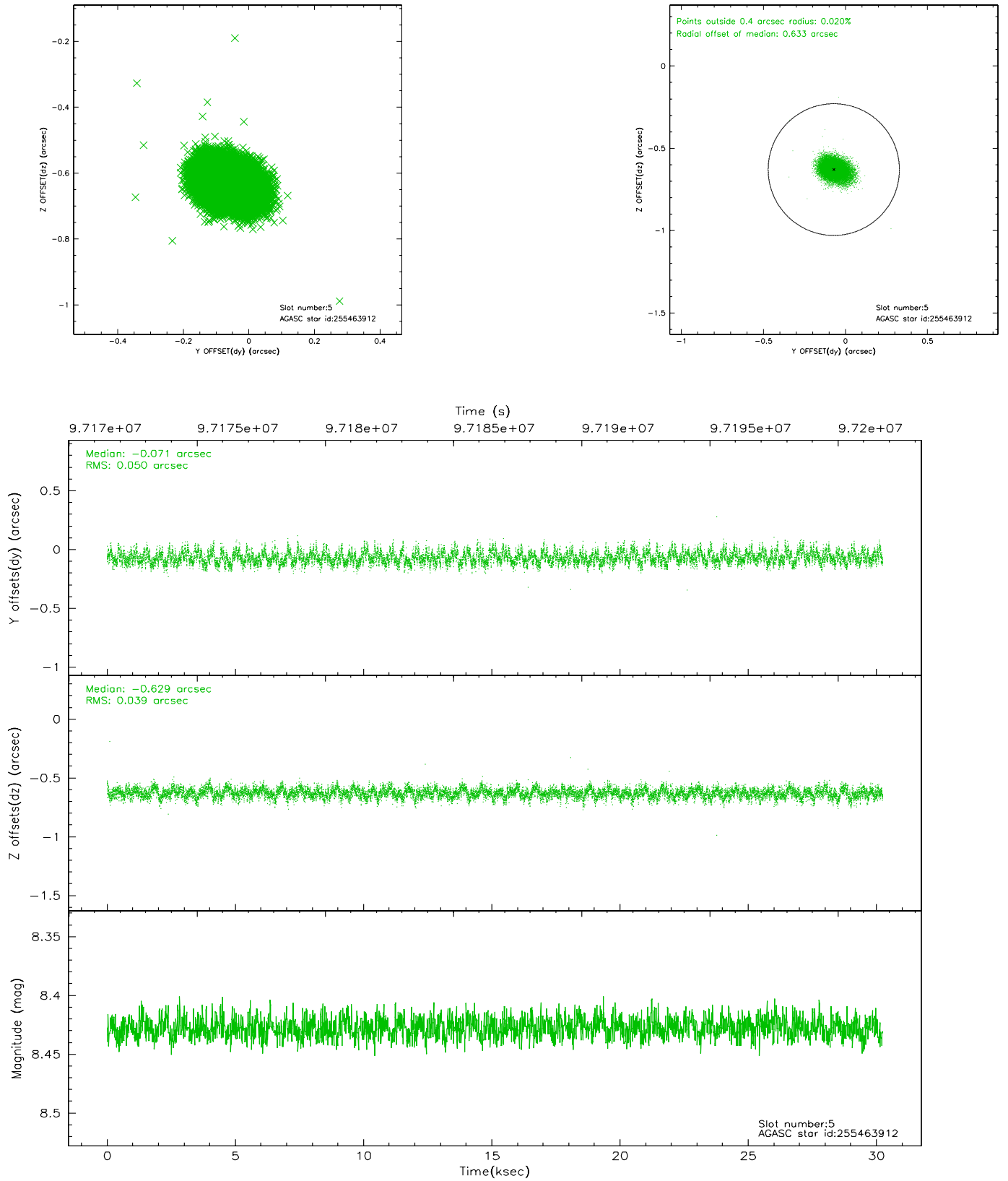
2.4.1 Slot 3



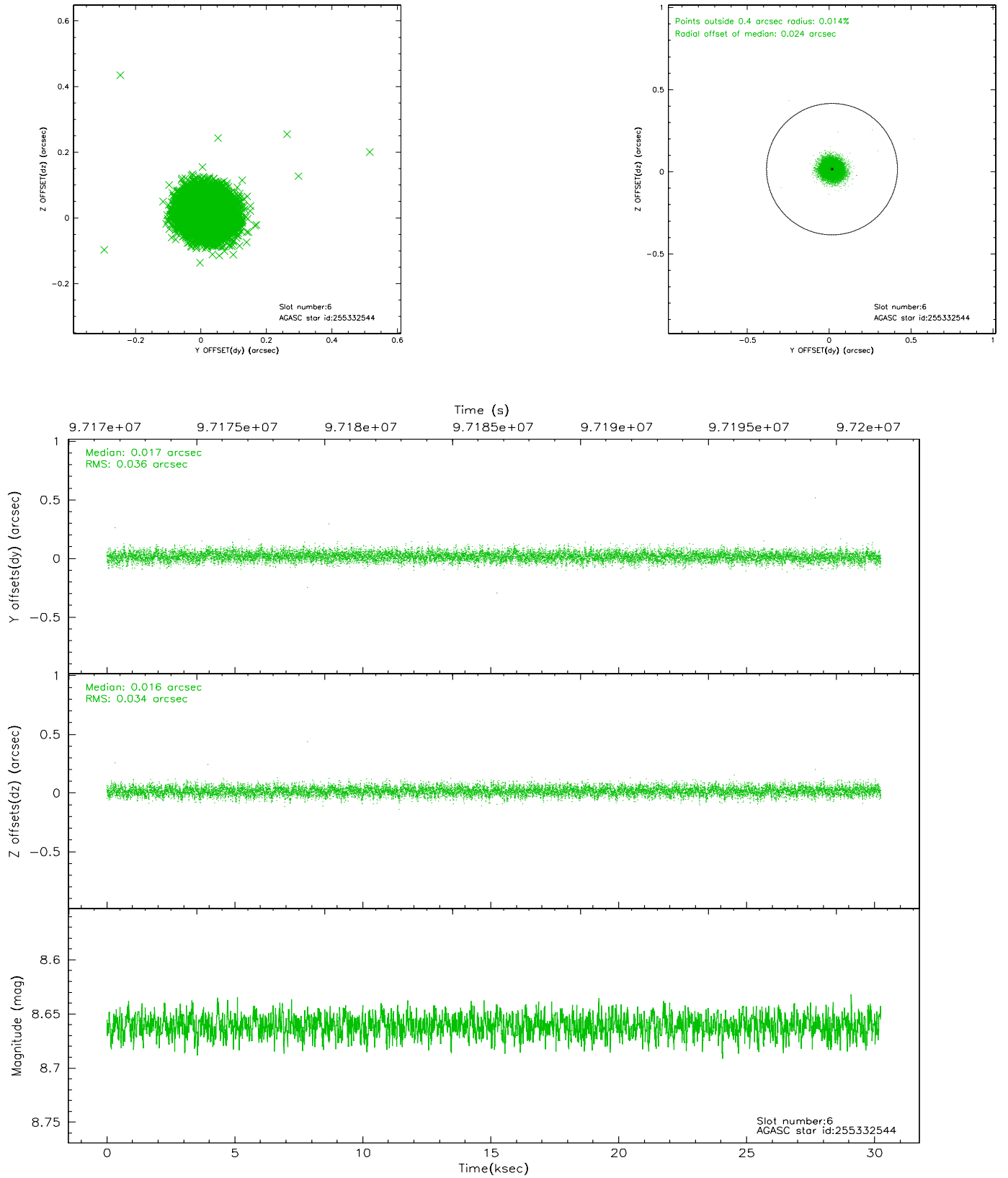
2.4.2 Slot 4



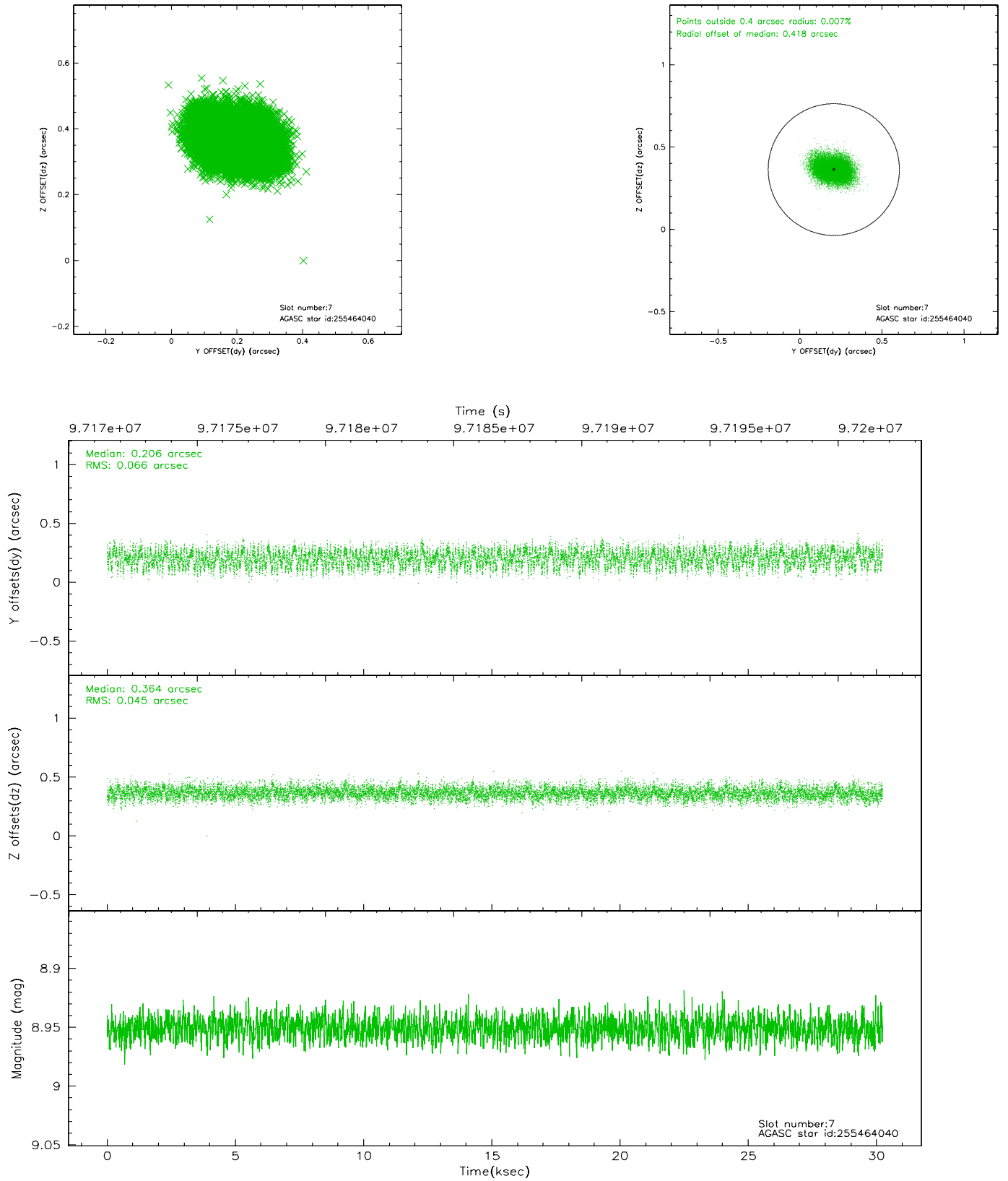
2.4.3 Slot 5



2.4.4 Slot 6

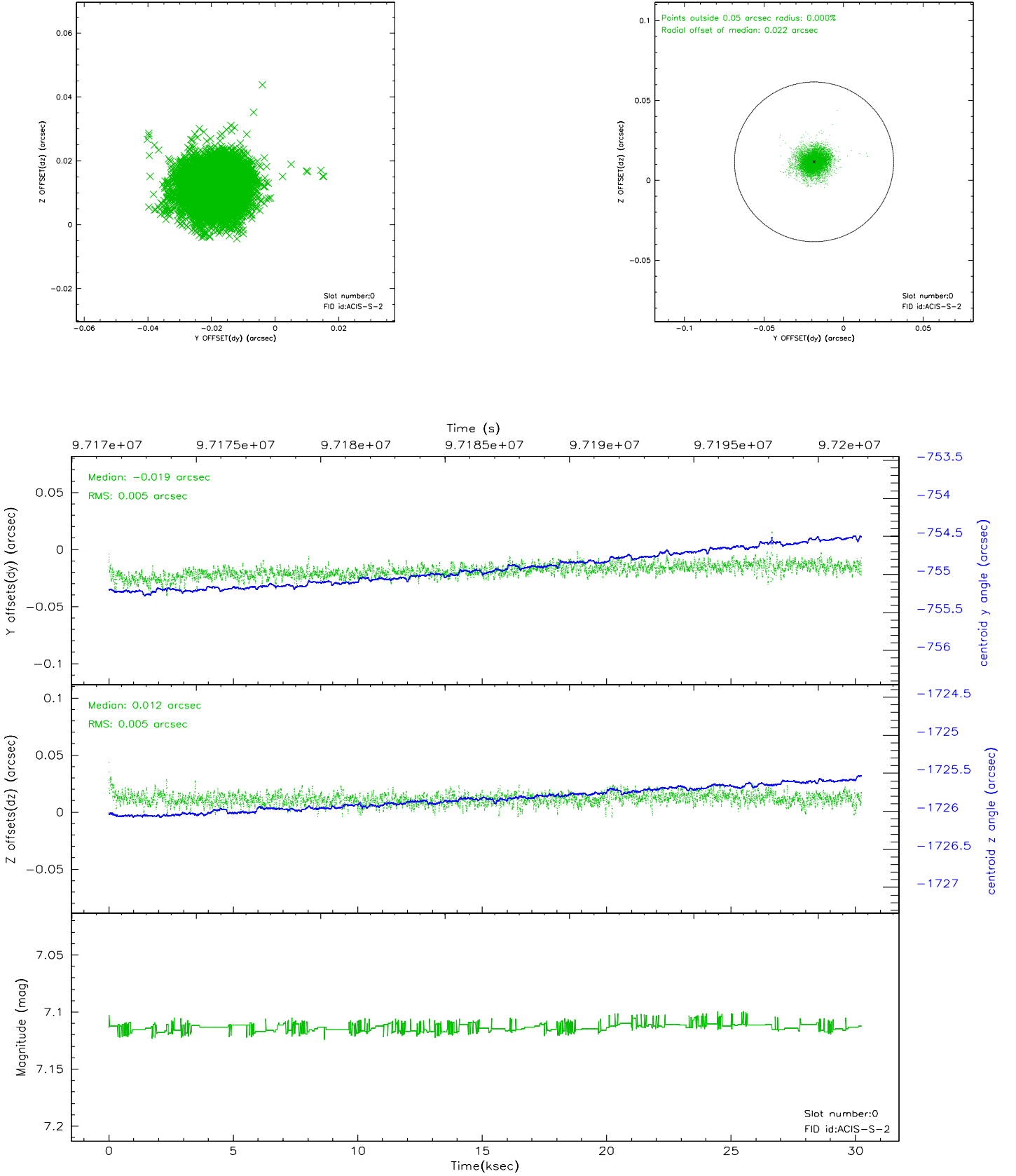


2.4.5 Slot 7

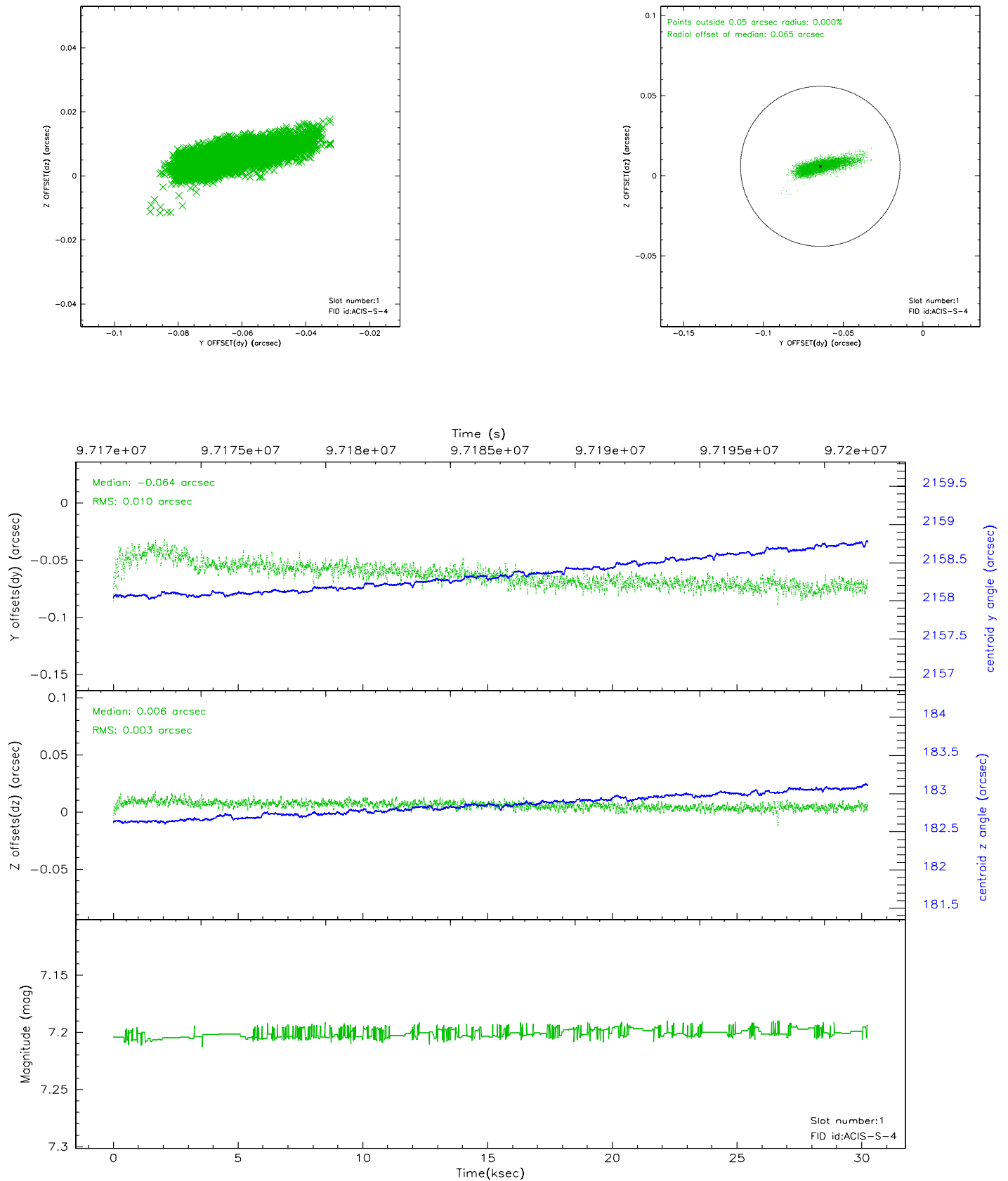


2.5 FID Slots

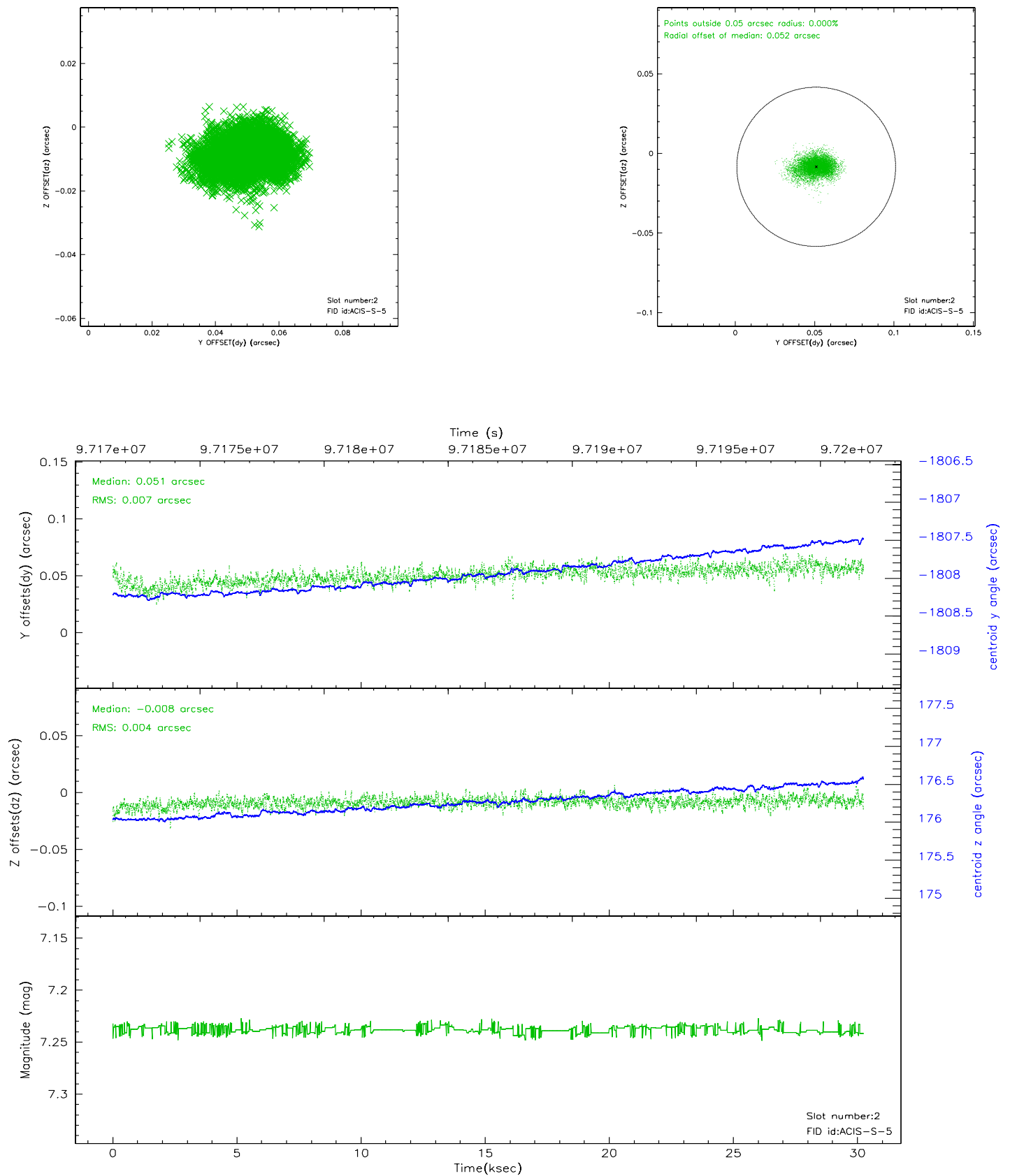
2.5.1 Slot 0



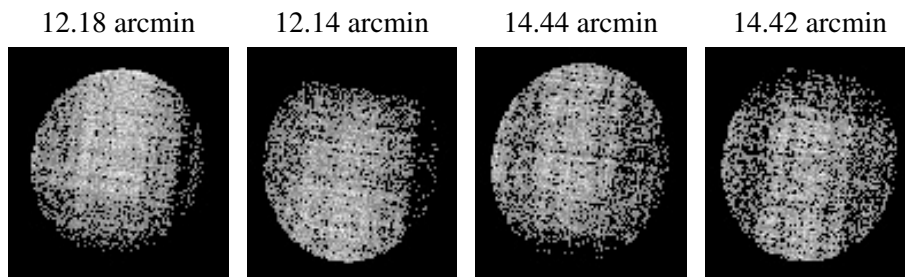
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.153

A.2 Comments