

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5156 - L2 Version 001
Chandra X-Ray Center

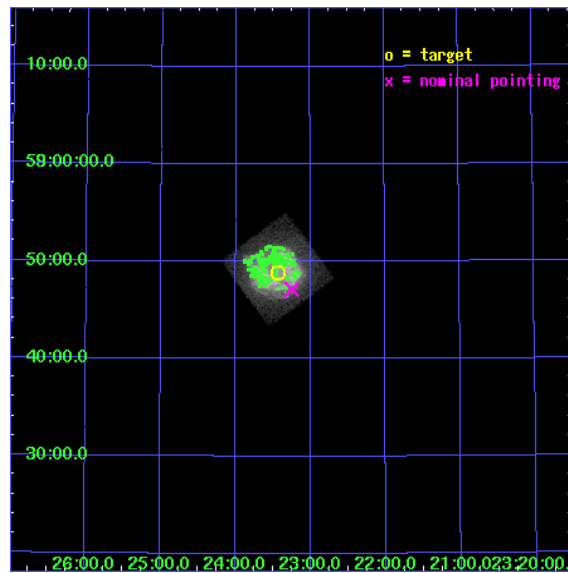
L2 Processing Date : Apr 13 2006

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1 Front

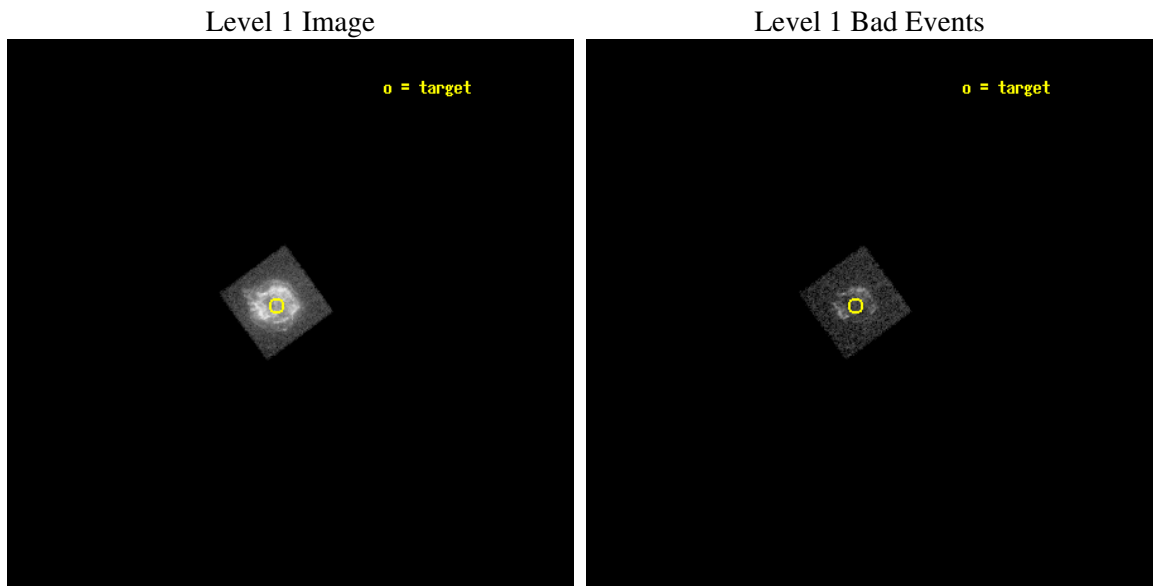
seq_num	590354
obs_id	5156
title	AO5B Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	Cas A[S3,-120,-2.0,0,0]
dtcycle	0
cycle	P
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.8118026459
dec_nom	58.785688642909
roll_nom	233.7356356308
revision	2
ontime	1093.2628567219
livetime	1079.4193041462
ontime4	1754.4230459929
ontime5	1942.399992764
ontime6	1935.9180221558
ontime7	1093.2628567219
ontime8	1942.399992764
ontime9	1897.0262186229
l2events	324442



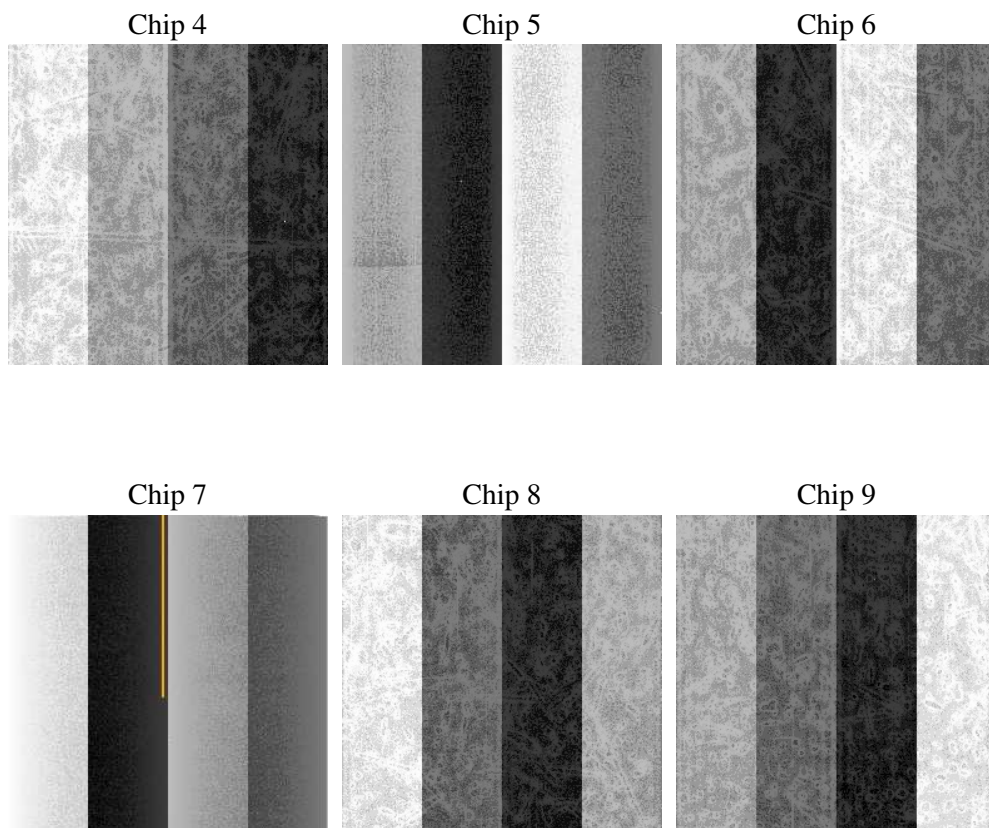
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-13T11:08:57
revision	2

sched_exp_time	2000.000000
ontime	1098.7097810805
ontime4	1763.1109705269
ontime5	1951.0879172981
ontime6	1944.6059466898
ontime7	1098.7097810805
ontime8	1951.0879172981
ontime9	1905.714143157
l1events	376347

2.1.4 Events

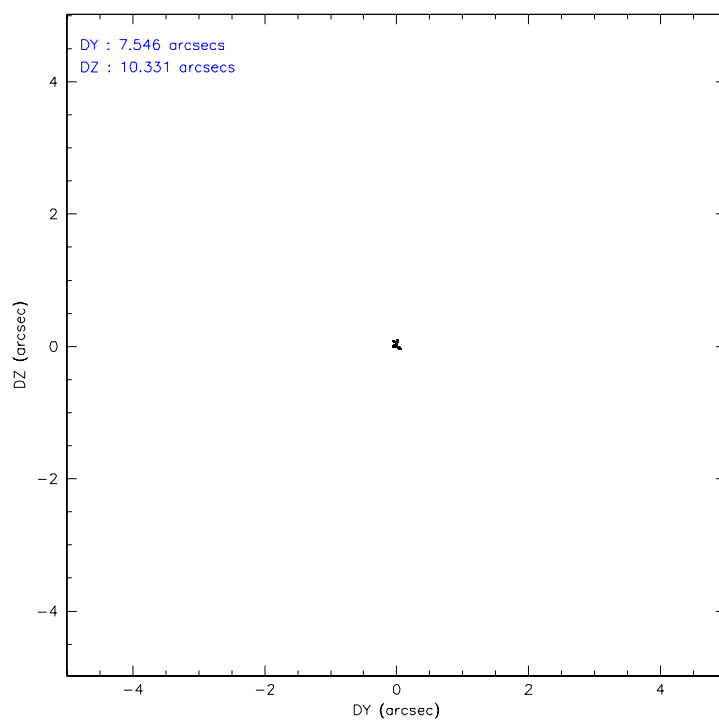
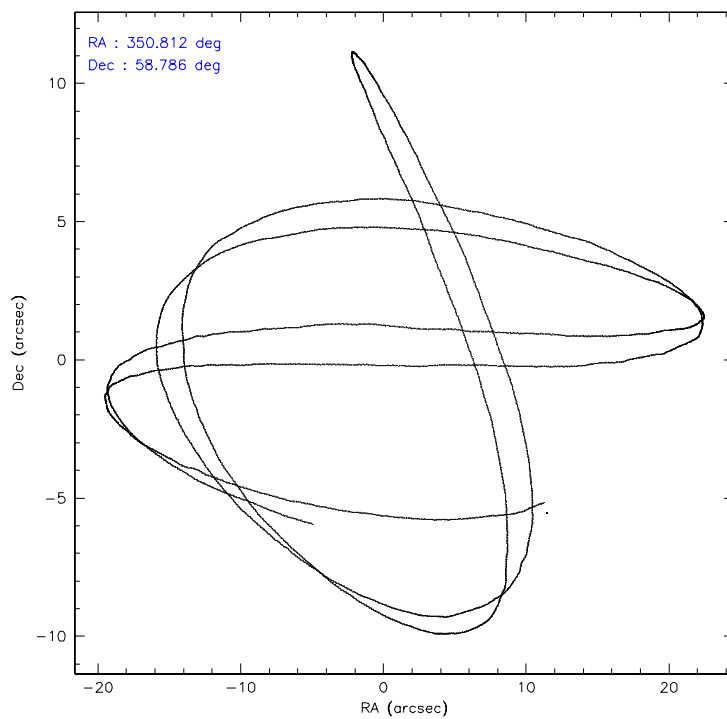
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	376347	0	0
rejected events	0	0	0	48351	0	0
rejected %	0%	0%	0%	12%	0%	0%

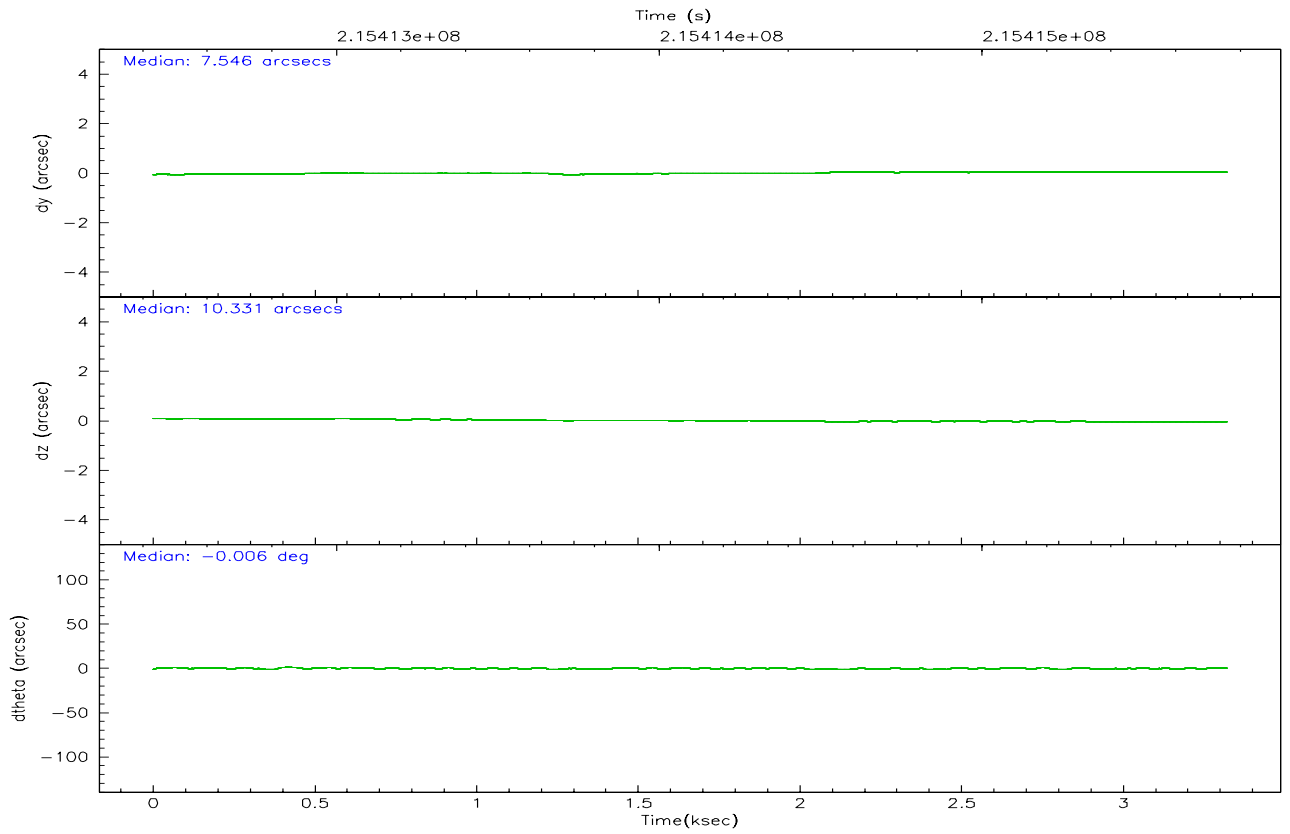
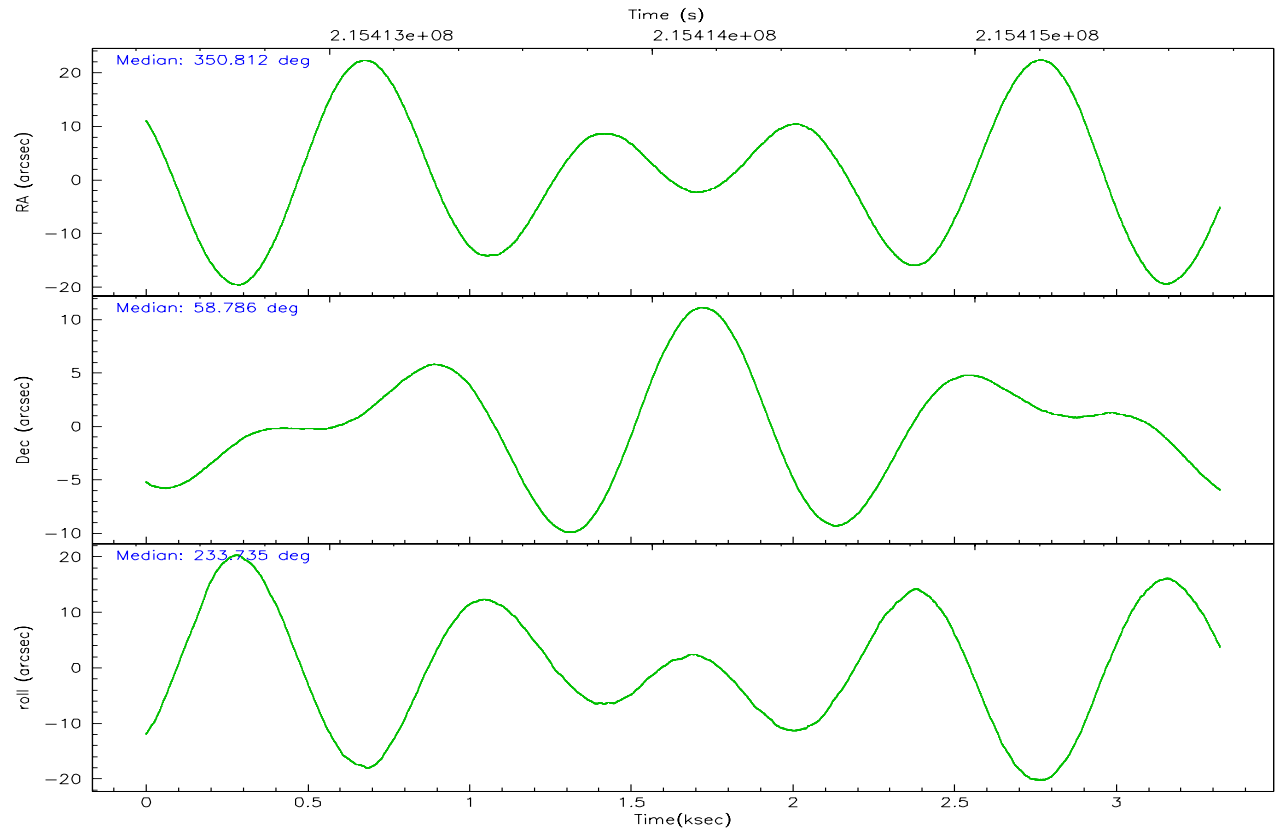
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	74437	0	0
	0%	0%	0%	19%	0%	0%
grade 1 events	0	0	0	1378	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	95815	0	0
	0%	0%	0%	25%	0%	0%
grade 3 events	0	0	0	35209	0	0
	0%	0%	0%	9%	0%	0%
grade 4 events	0	0	0	34828	0	0
	0%	0%	0%	9%	0%	0%
grade 5 events	0	0	0	6744	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	0	89587	0	0
	0%	0%	0%	23%	0%	0%
grade 7 events	0	0	0	38349	0	0
	0%	0%	0%	10%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-456789	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	350.817096	350.8118026458986	Alternating exposures requested	N	N
Pointing Dec	58.812877	58.78568864290935	Primary exposure time	0.000000	3.2
Pointing Roll	233.574479	233.7356356308006			
Window start time	212976064.184000	212976064.184000			
Window stop time	215568064.184000	215568064.184000			
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	215413754.184000	215412224.28926			
Observation start date	2004-10-29T05:08:10	2004-10-29T04:43:44			
Observation end time	215415754.184000	215415949.13943			
Observation end date	2004-10-29T05:41:30	2004-10-29T05:45:49			
Read mode	TIMED	TIMED			

2.3 Aspect



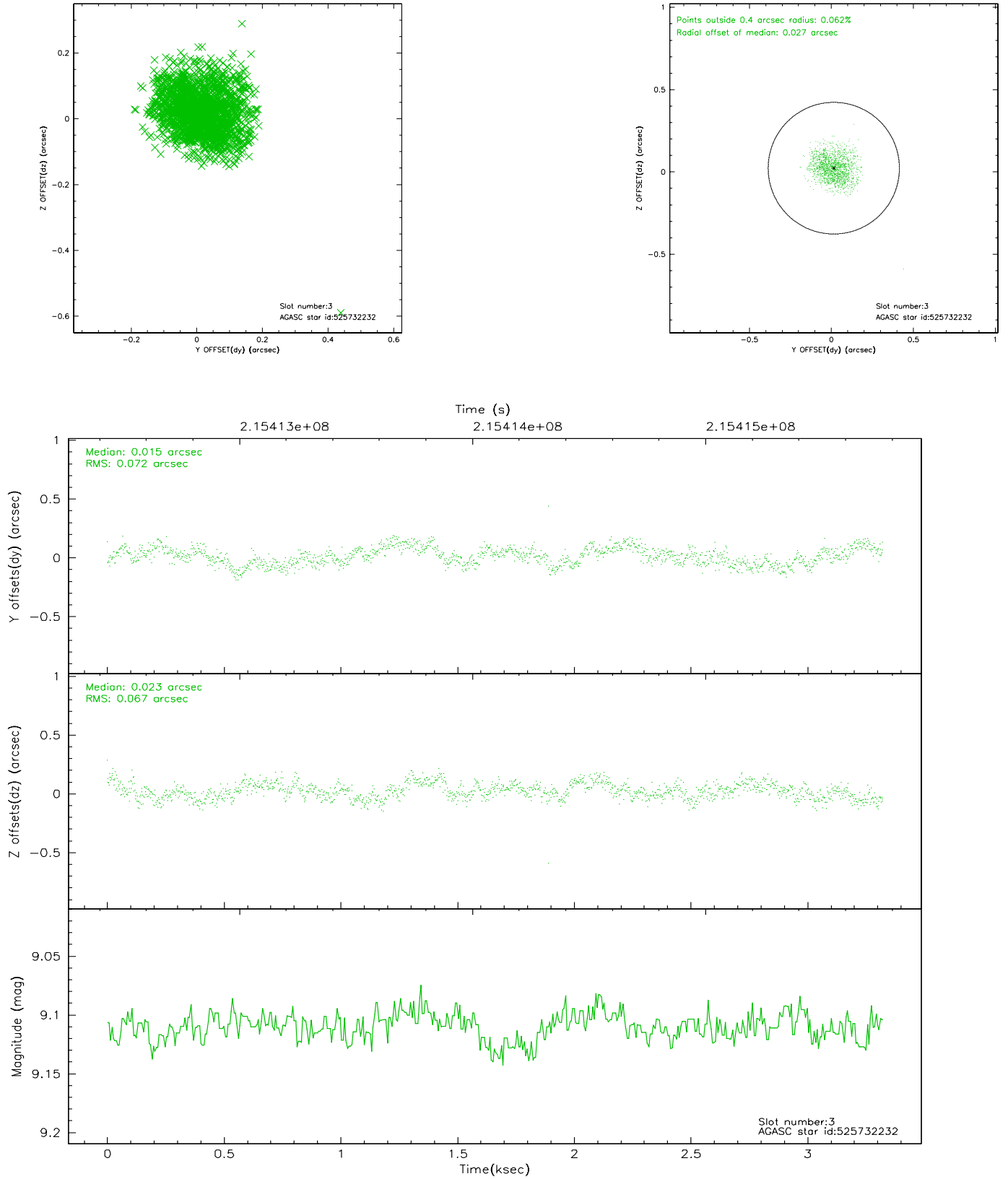


Slot Statistics

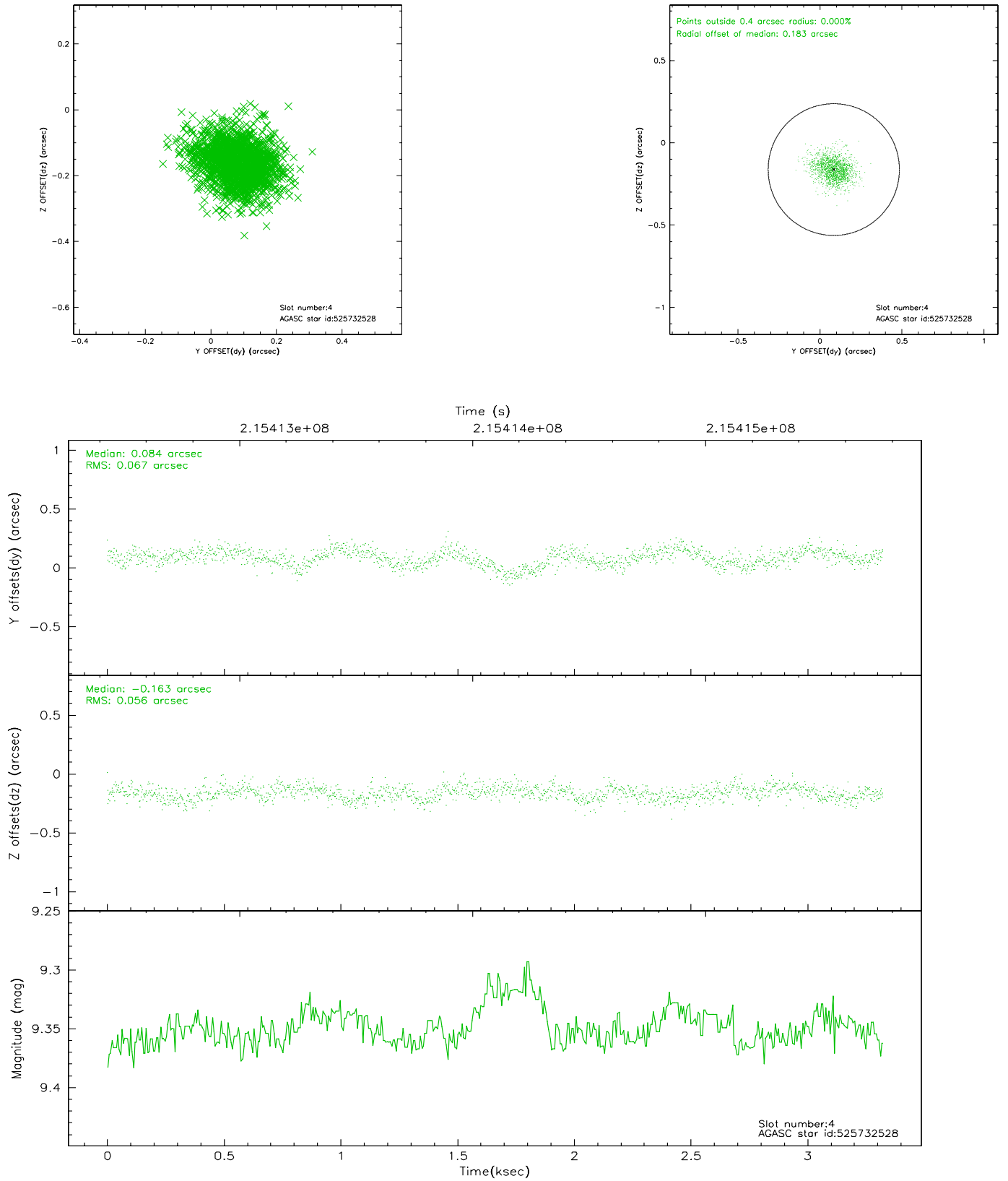
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	811	0.019	-0.029	0.006	0.010	0.000000	0.000000	935.75	-1727.20
1	FID	ACIS-S-5	7.24	811	-0.043	0.015	0.006	0.011	0.000000	0.000000	-1812.25	168.41
2	FID	ACIS-S-6	7.34	811	0.003	0.025	0.006	0.012	0.000000	0.000000	399.21	814.56
3	GUIDE	525732232	9.11	1618	0.015	0.023	0.106	0.162	351.669550	58.757012	-791.65	1395.41
4	GUIDE	525732528	9.35	1621	0.084	-0.163	0.091	0.152	351.607241	59.298932	-2277.84	125.59
5	GUIDE	525735976	8.85	1619	-0.014	-0.134	0.066	0.105	350.142956	58.277622	2301.33	114.04
6	GUIDE	525736400	9.08	1622	-0.084	0.150	0.068	0.117	350.974563	59.175145	-1221.04	-540.20
7	GUIDE	525732488	8.43	1621	-0.007	0.123	0.108	0.157	350.087090	58.516915	1665.13	-475.79

2.4 Star Slots

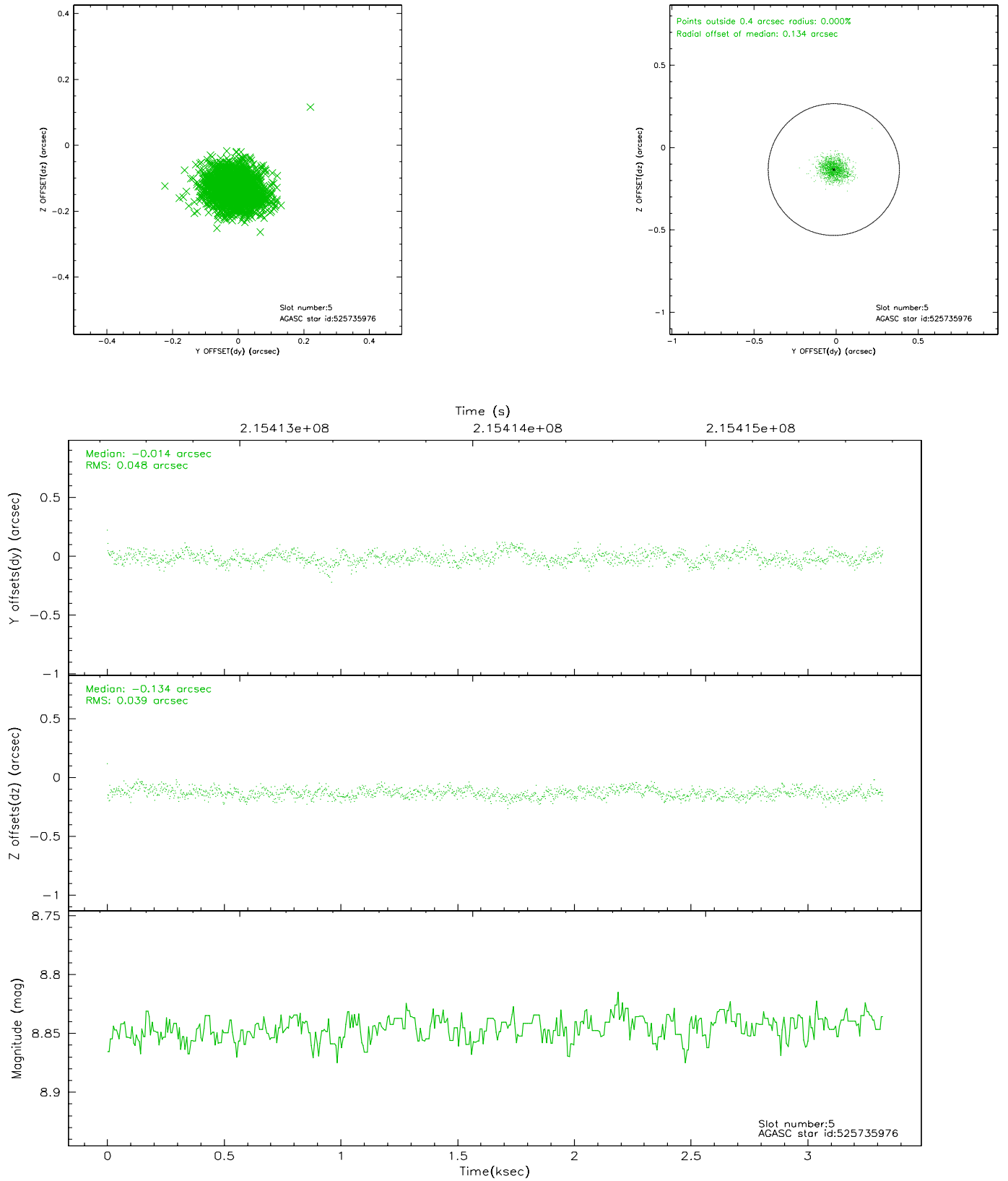
2.4.1 Slot 3



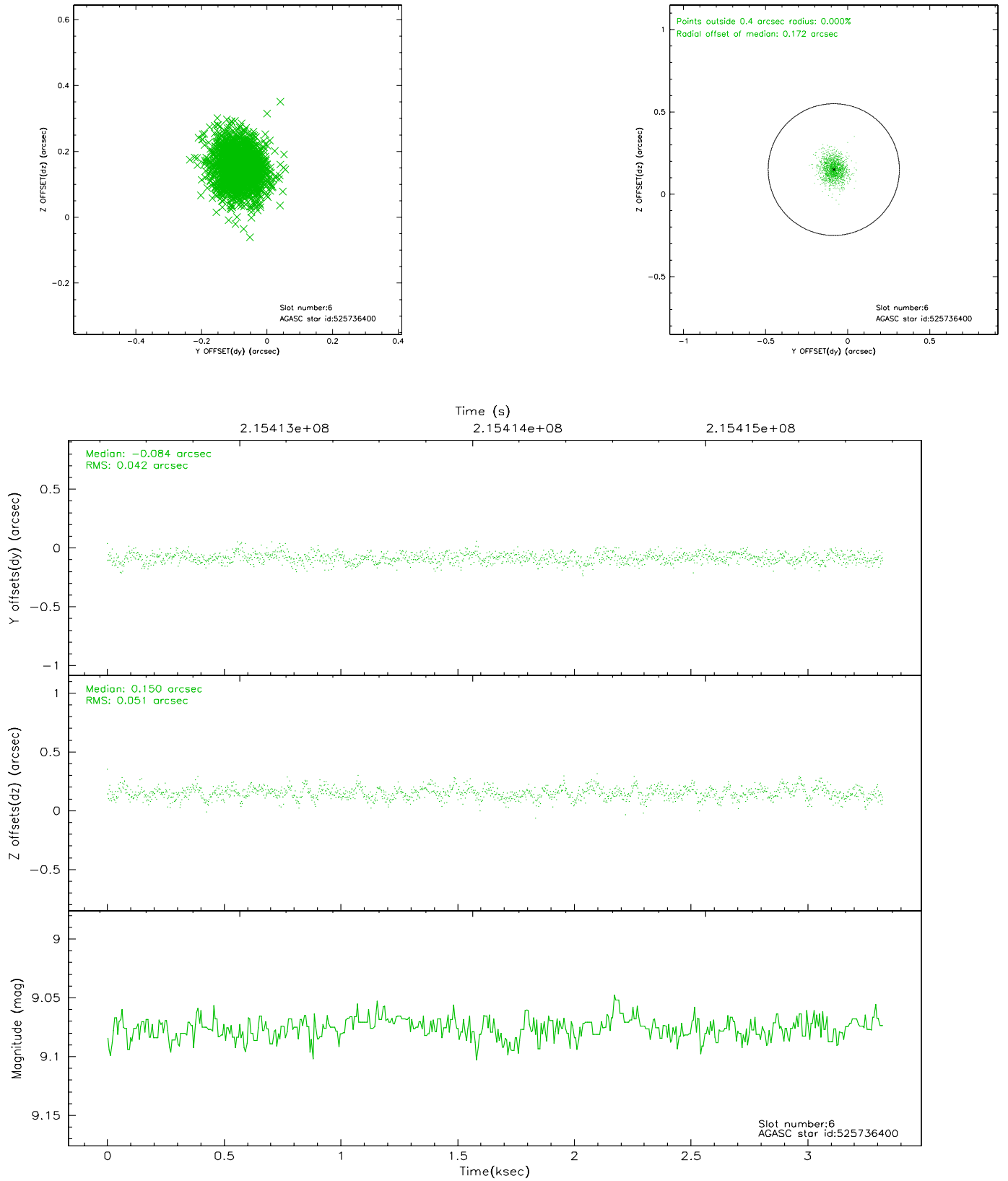
2.4.2 Slot 4



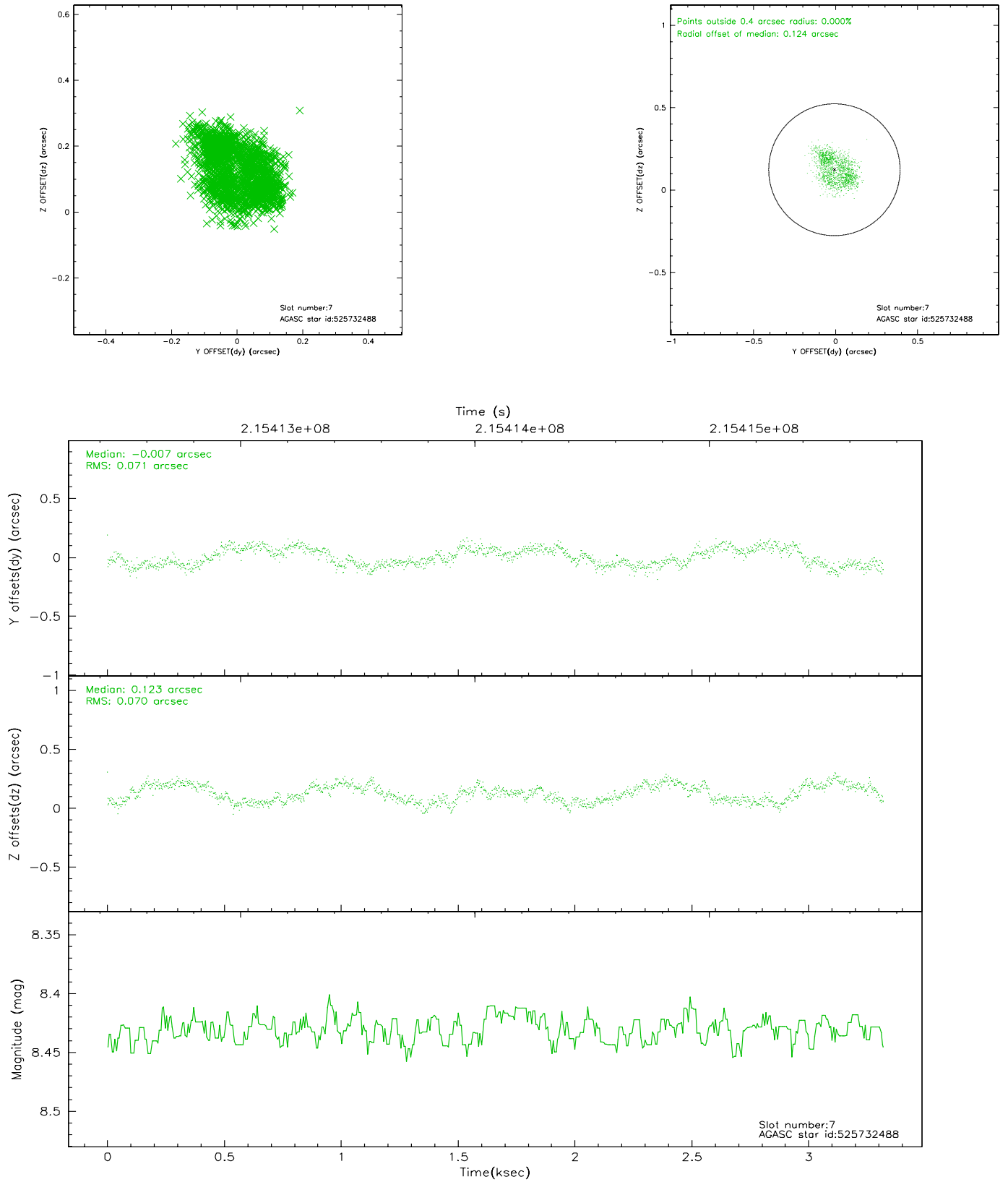
2.4.3 Slot 5



2.4.4 Slot 6

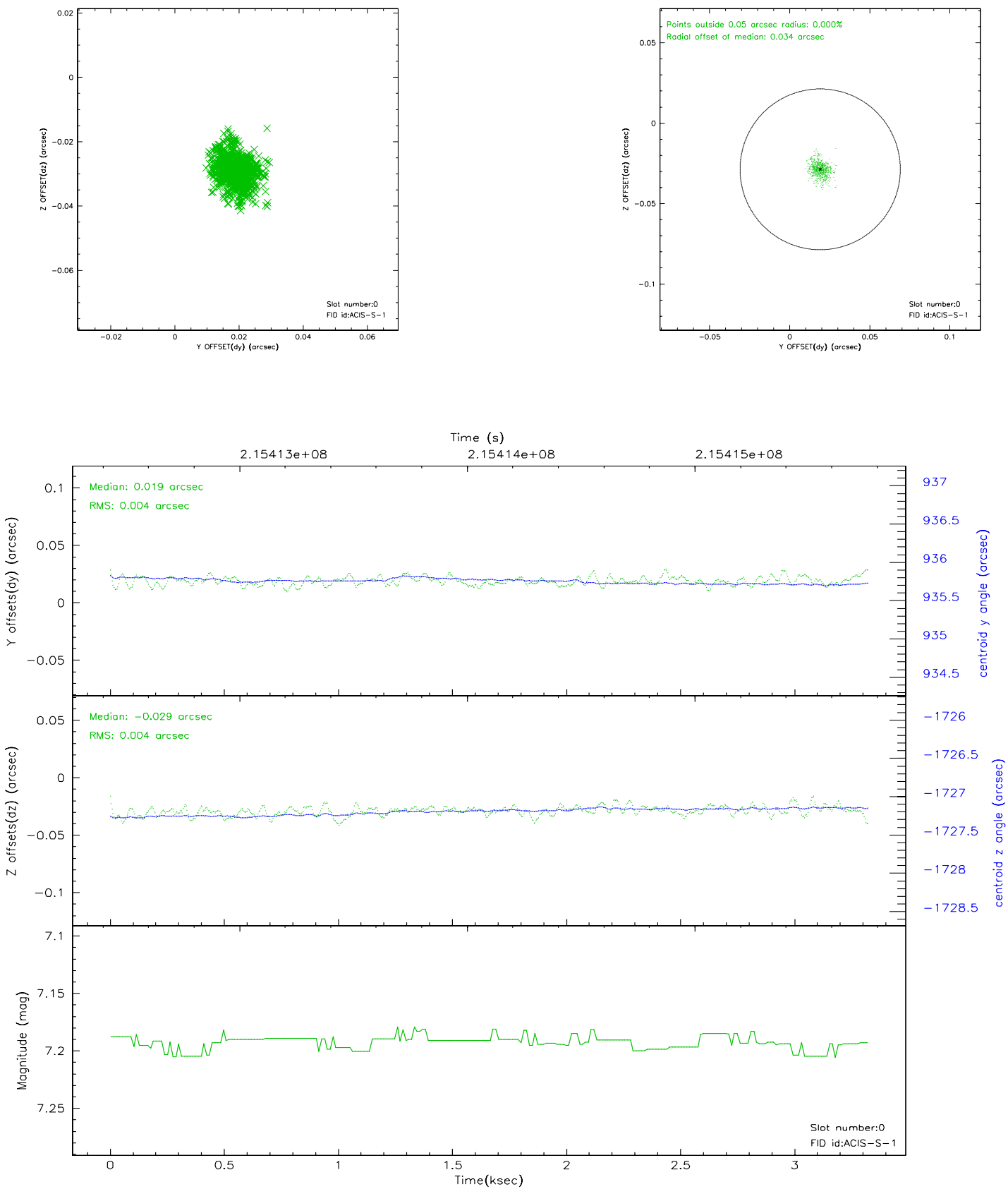


2.4.5 Slot 7

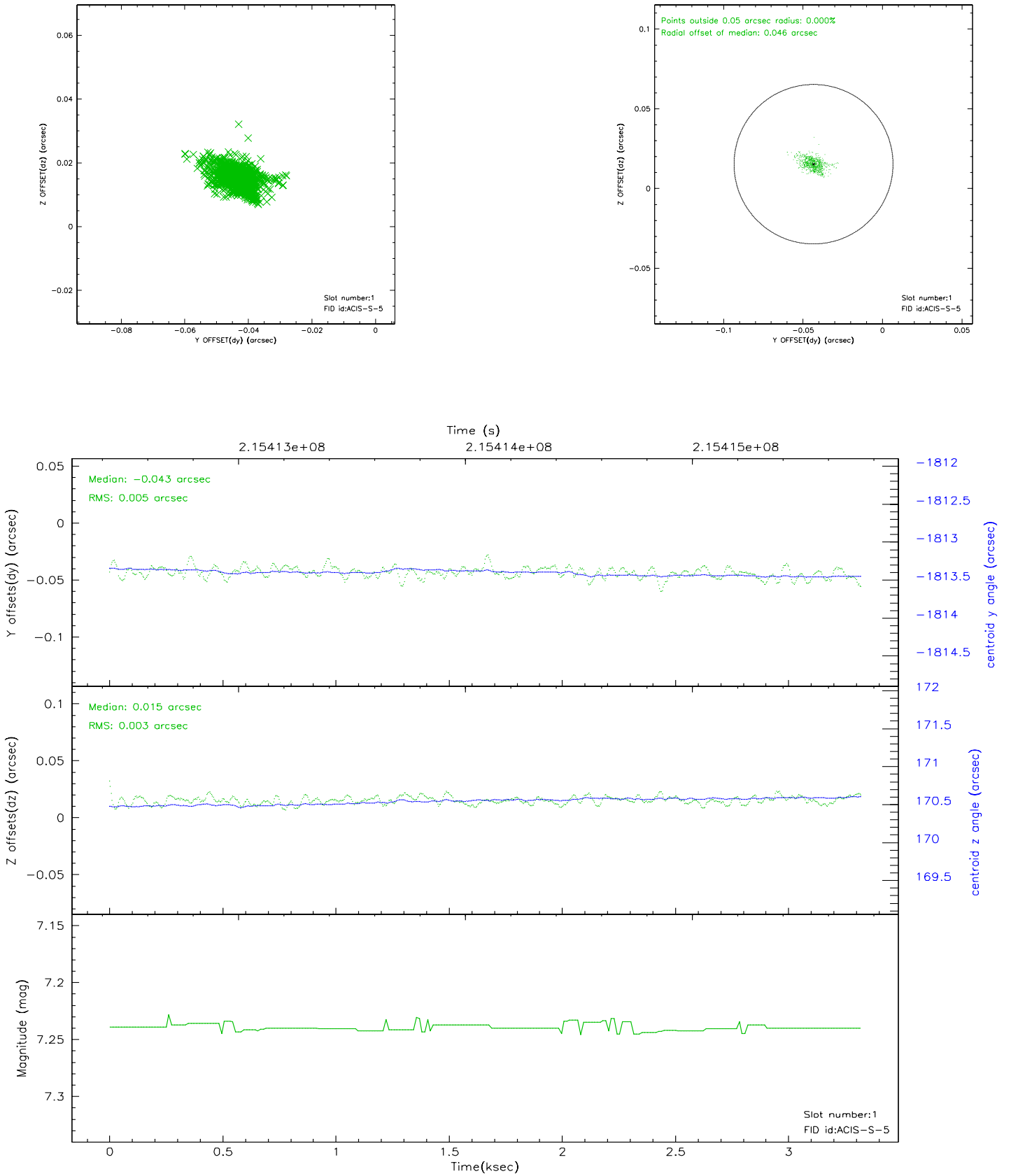


2.5 FID Slots

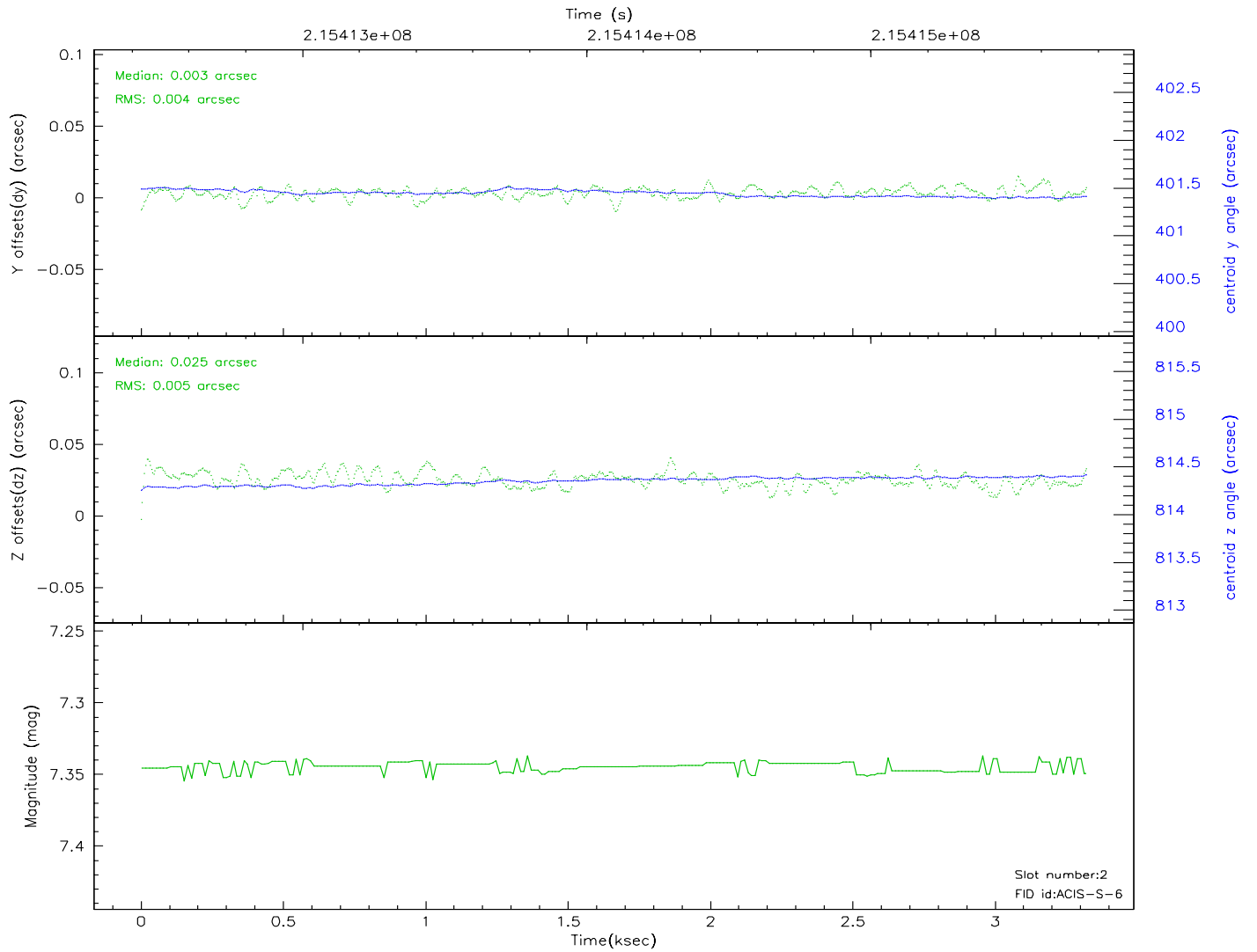
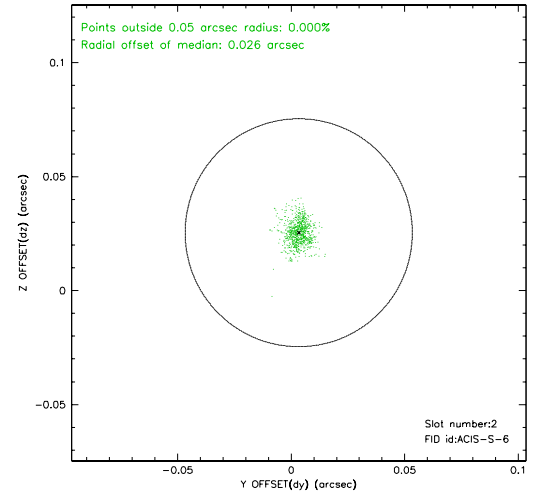
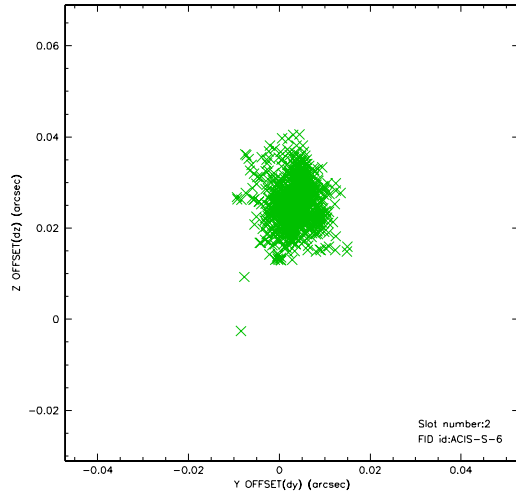
2.5.1 Slot 0



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)	2006.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.093

A.2 Comments

Window constraint met.

There is a difference in planned vs. actual chips used in ACIS; however, since all chips but S3, which is in both the planned and actual configurations, were excluded from the observation, this has no impact.