

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5815 - L2 Version 002
Chandra X-Ray Center

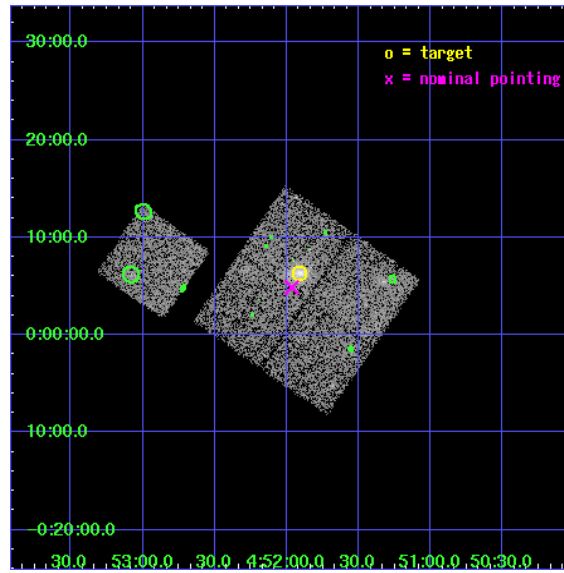
L2 Processing Date: Feb 15 2006

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1 Front

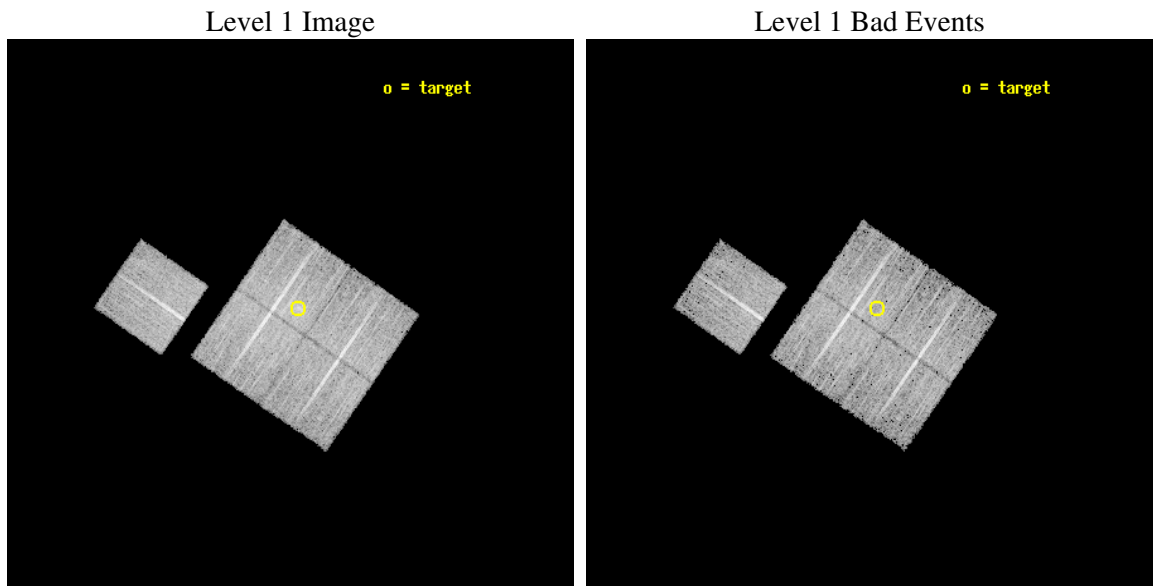
seq_num	800528
obs_id	5815
title	MACS: The most massive galaxy clusters at $z>0.3$
observer	Dr. Harald Ebeling
object	MACSJ0451.9+0006
dtcycle	0
cycle	P
ra_targ	72.977083
dec_targ	0.104806
ra_nom	72.991179943598
dec_nom	0.08108172669111
roll_nom	304.61734267646
revision	2
ontime	10350.899980098
livetime	10215.657851636
ontime0	10350.899980098
ontime1	10347.758989841
ontime2	10350.899980098
ontime3	10350.899980098
ontime6	10350.899980098
l2events	29115



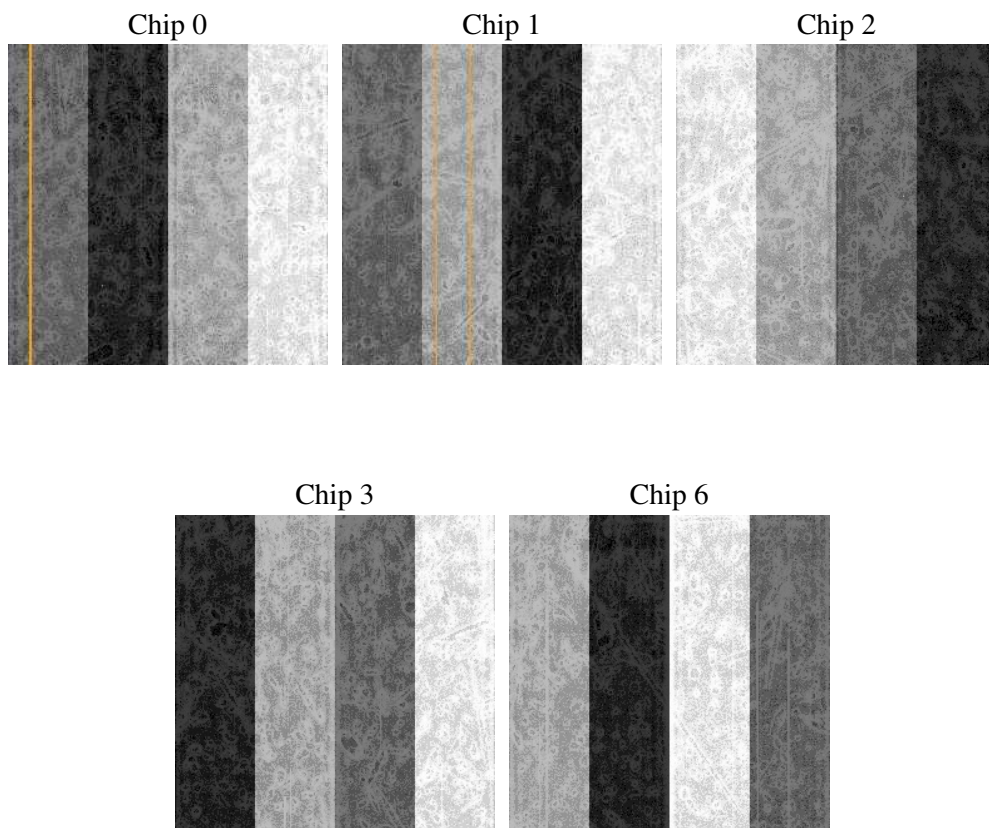
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-16T01:34:26
revision	2

sched_exp_time	10300.000000
ontime	10355.922157019
ontime0	10355.922157019
ontime1	10352.781166762
ontime2	10355.922157019
ontime3	10355.922157019
ontime6	10355.922176927
l1events	301564

2.1.4 Events

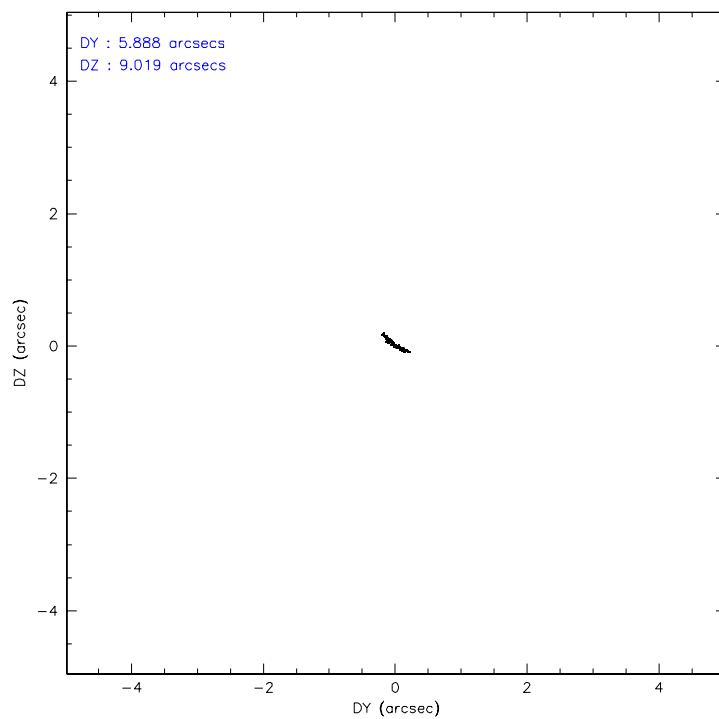
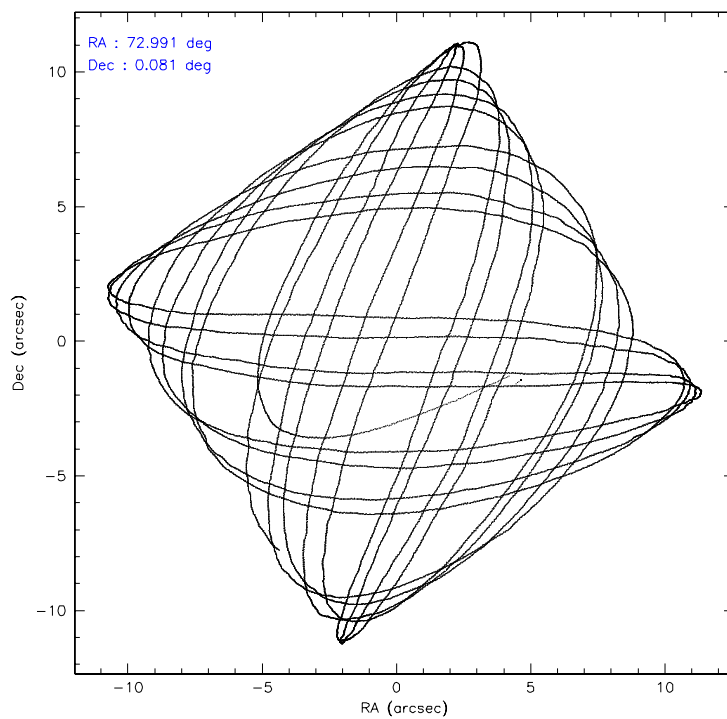
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	55074	58407	64654	63597	59832
rejected events	48923	50973	58257	55822	53154
rejected %	88%	87%	90%	87%	88%

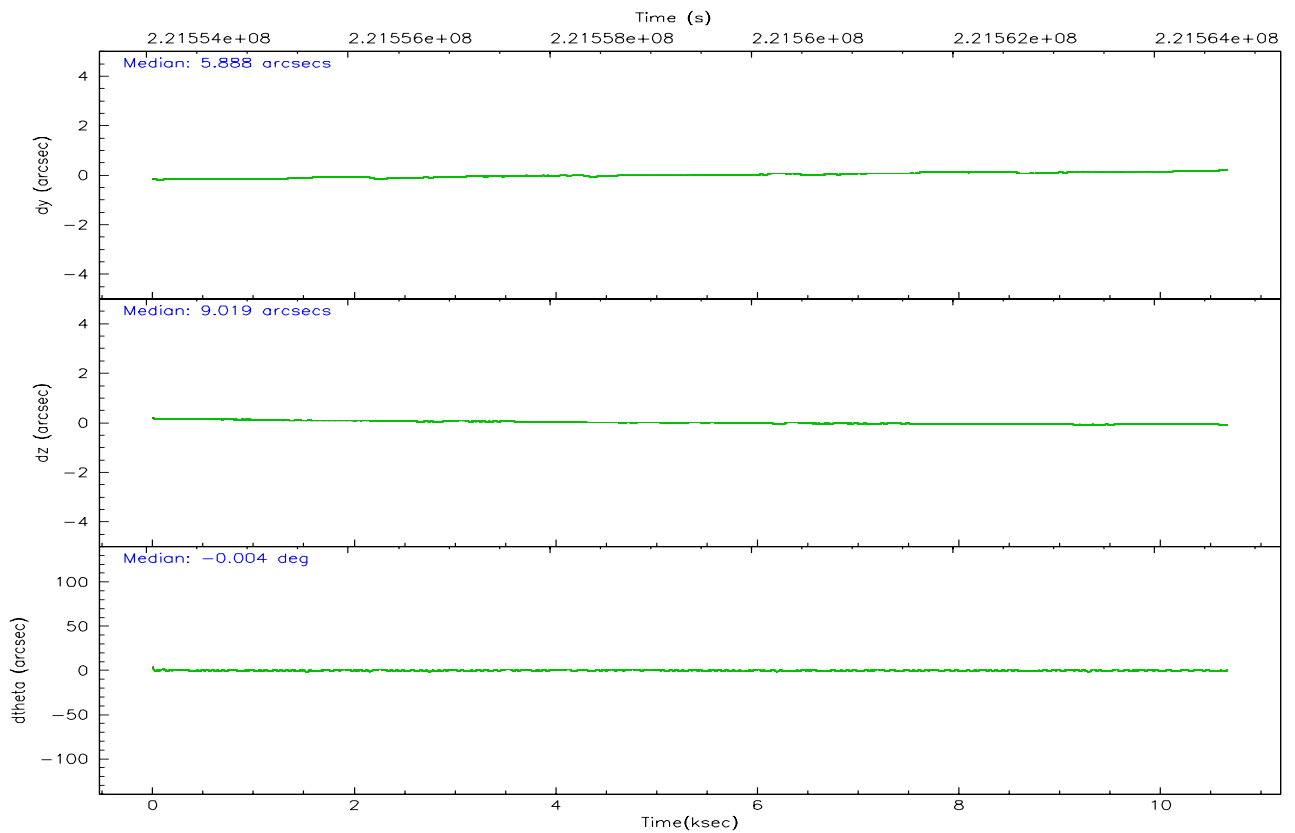
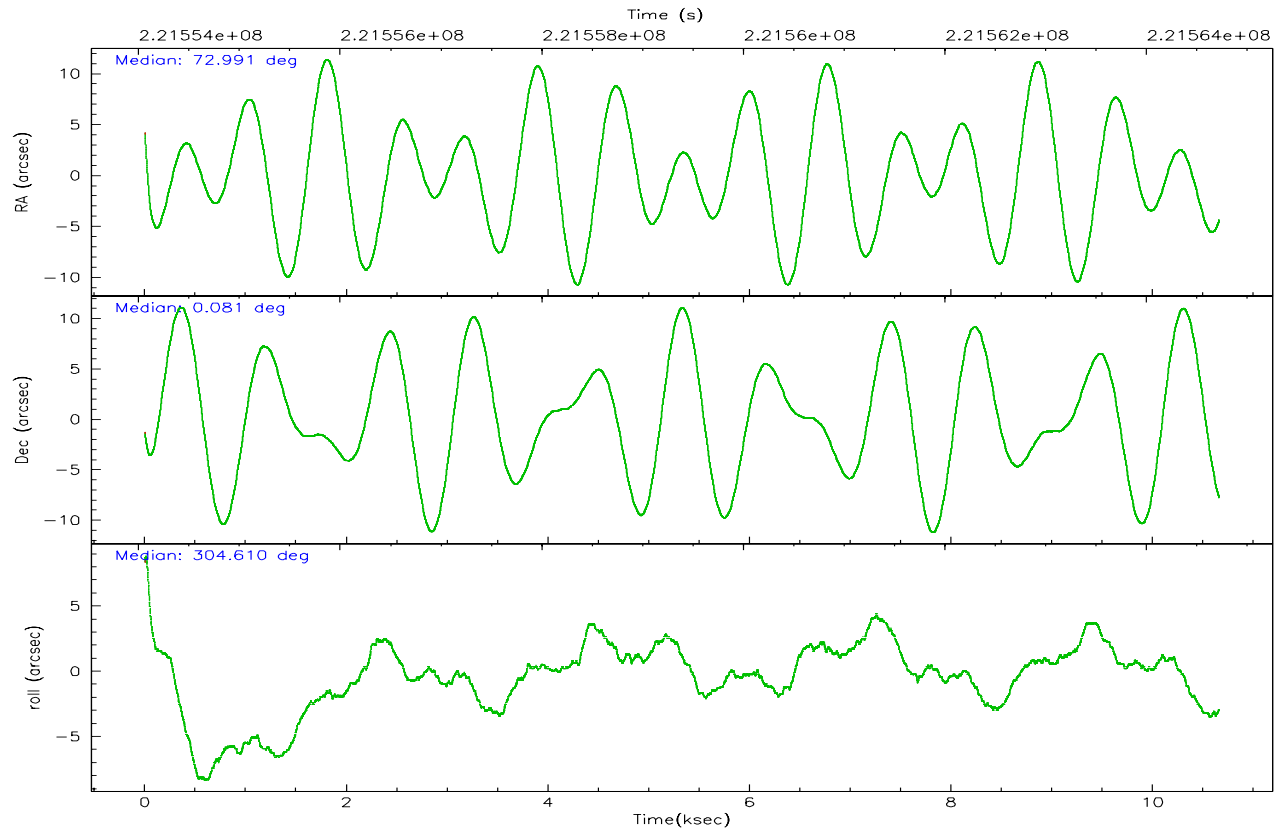
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2153	3018	2463	3851	2628
	3%	5%	3%	6%	4%
grade 1 events	39	25	32	41	25
	0%	0%	0%	0%	0%
grade 2 events	1471	1540	1470	1393	1340
	2%	2%	2%	2%	2%
grade 3 events	721	762	665	700	744
	1%	1%	1%	1%	1%
grade 4 events	641	746	709	662	664
	1%	1%	1%	1%	1%
grade 5 events	2046	2284	2020	2471	2310
	3%	3%	3%	3%	3%
grade 6 events	1168	1370	1091	1173	1303
	2%	2%	1%	1%	2%
grade 7 events	46835	48662	56204	53306	50818
	85%	83%	86%	83%	84%

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	72.966421	72.99117994359845	Alternating exposures requested	N	N
Pointing Dec	0.092654	0.08108172669111038	Primary exposure time	0.000000	3.1
Pointing Roll	304.408679	304.6173426764641			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-229.442463	-229.4438428438578			
SIM translation stage offset (mm)	-4.15	-4.148610159071865			
Observation start time	221554428.184000	221553413.66534			
Observation start date	2005-01-08T06:52:44	2005-01-08T06:36:53			
Observation end time	221564728.184000	221565051.00336			
Observation end date	2005-01-08T09:44:24	2005-01-08T09:50:51			
Read mode	TIMED	TIMED			

2.3 Aspect



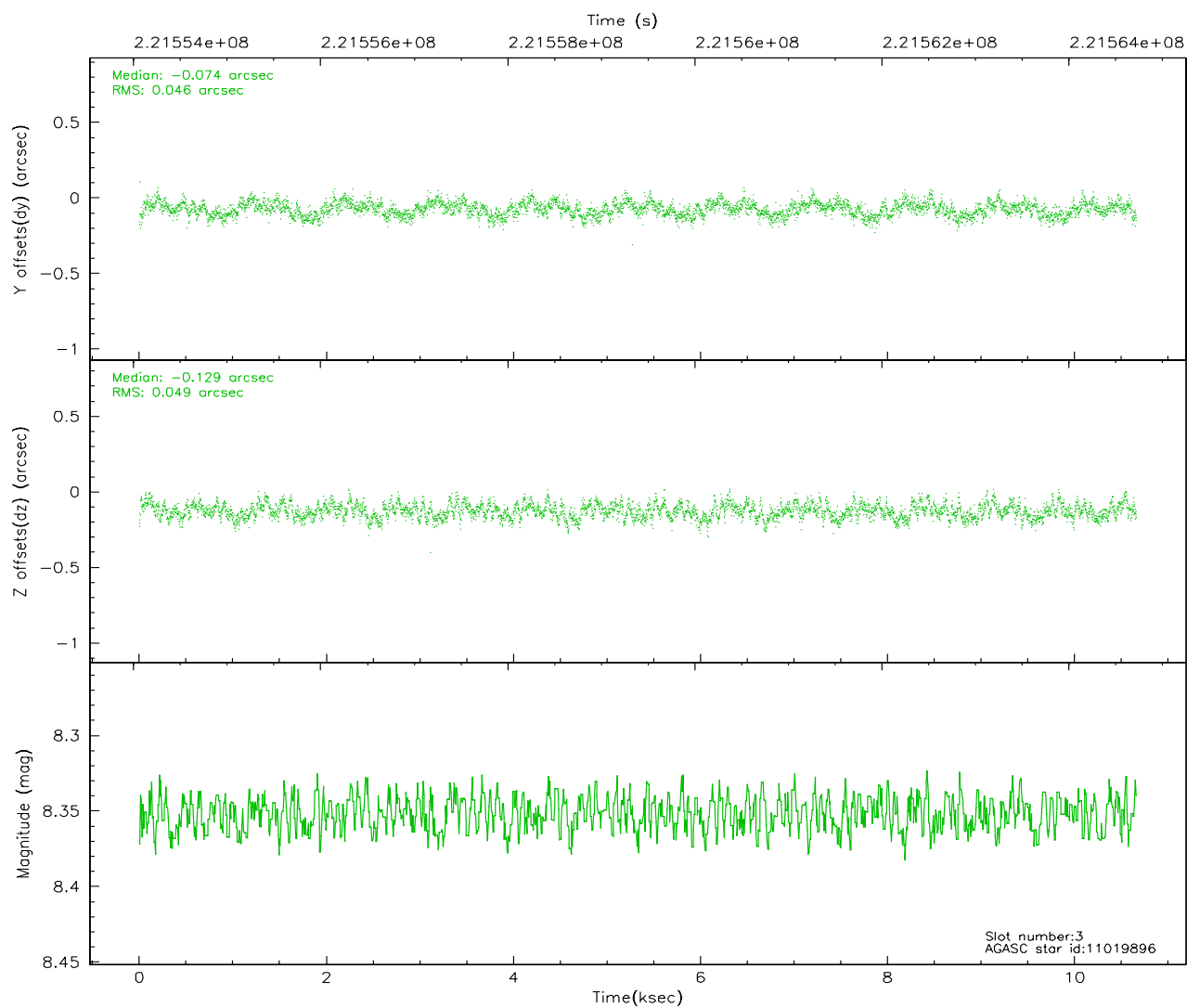
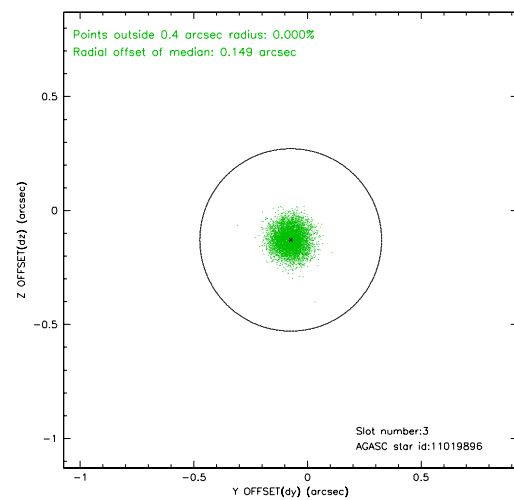
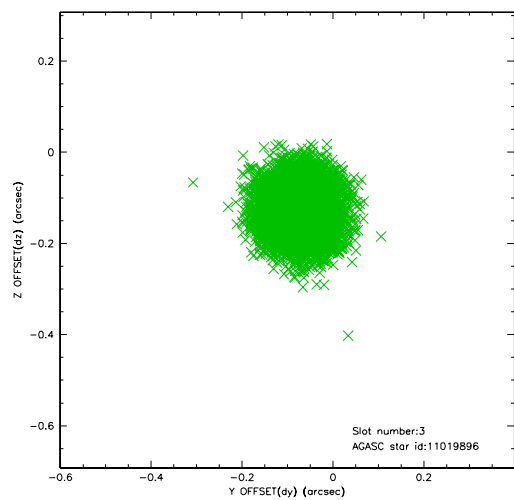


Slot Statistics

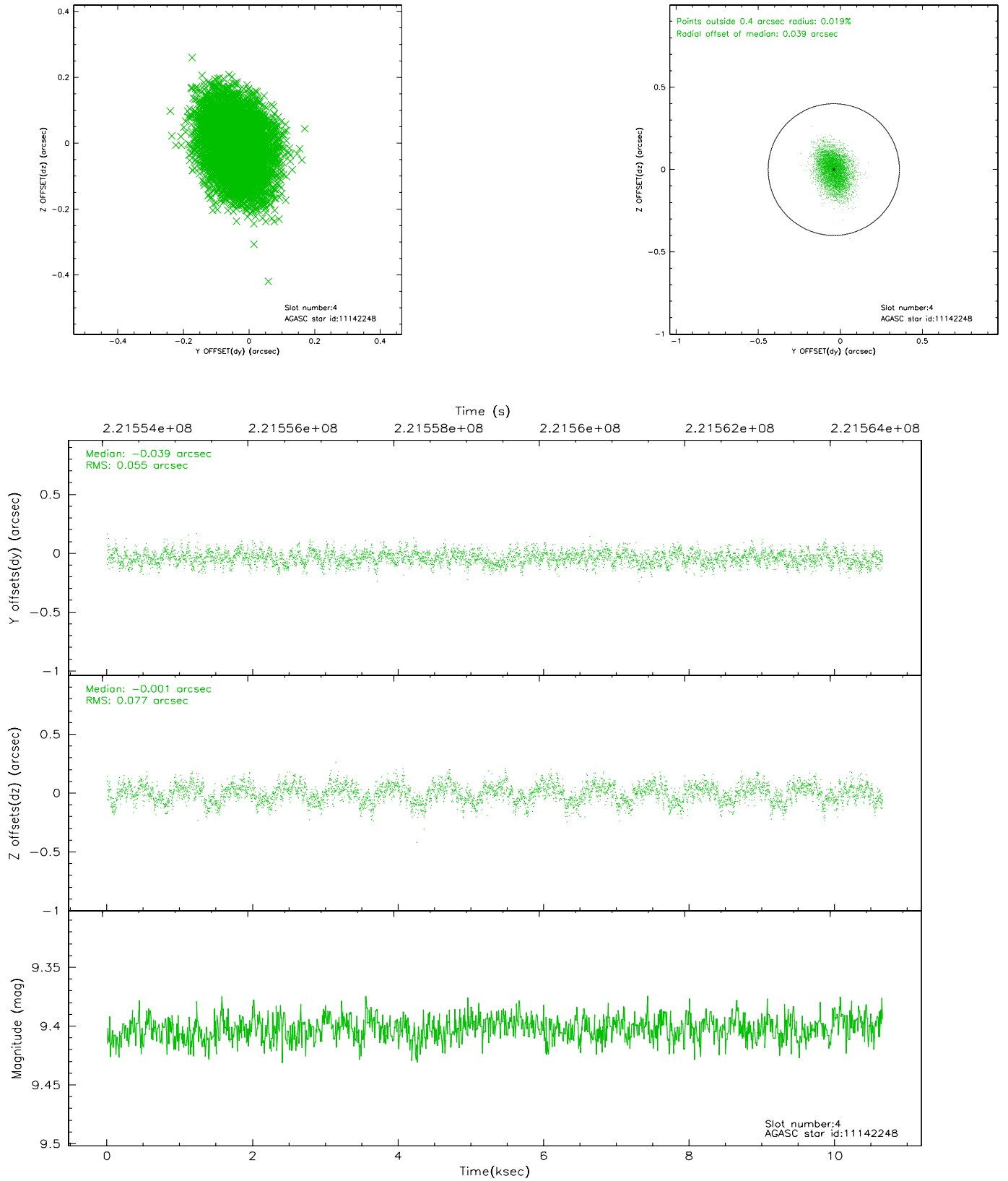
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	2601	0.011	-0.027	0.009	0.014	0.000000	0.000000	933.78	-917.59
1	FID	ACIS-I-4	7.16	2601	0.014	0.038	0.008	0.013	0.000000	0.000000	2153.81	982.56
2	FID	ACIS-I-5	7.22	2601	-0.123	0.061	0.006	0.011	0.000000	0.000000	-1813.78	980.35
3	GUIDE	11019896	8.35	5200	-0.074	-0.129	0.072	0.113	73.037984	0.047559	279.95	120.74
4	GUIDE	11142248	9.40	5198	-0.039	-0.001	0.100	0.164	73.305083	0.415306	-269.07	1662.23
5	GUIDE	11142264	9.19	5198	-0.047	-0.018	0.090	0.147	73.396604	0.253700	397.00	1605.68
6	GUIDE	620764456	8.78	5198	-0.035	0.008	0.066	0.110	72.919857	-0.086986	439.46	-503.35
7	GUIDE	620895584	9.08	5195	0.198	0.145	0.077	0.125	73.838744	-0.099511	2345.92	2200.46

2.4 Star Slots

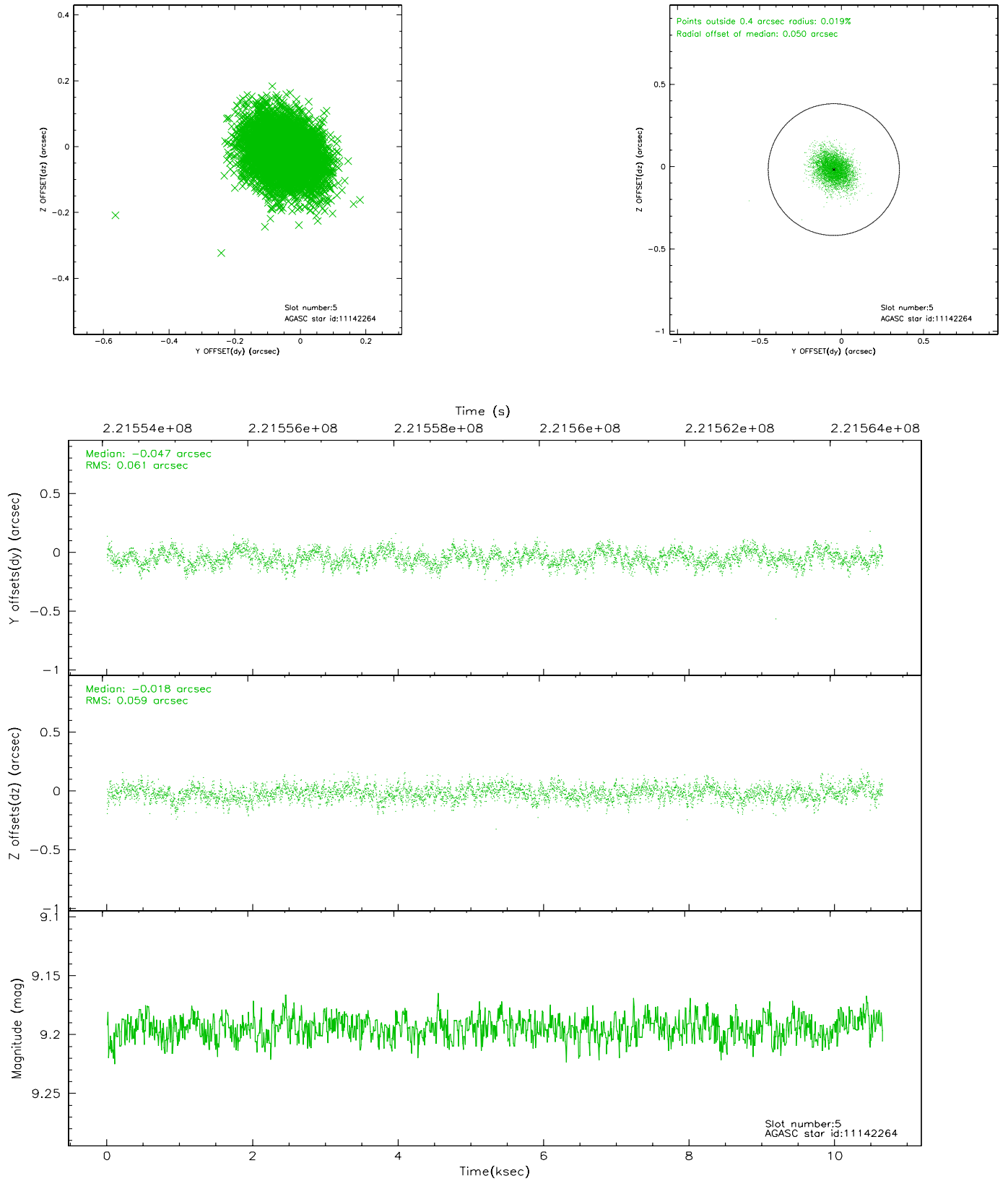
2.4.1 Slot 3



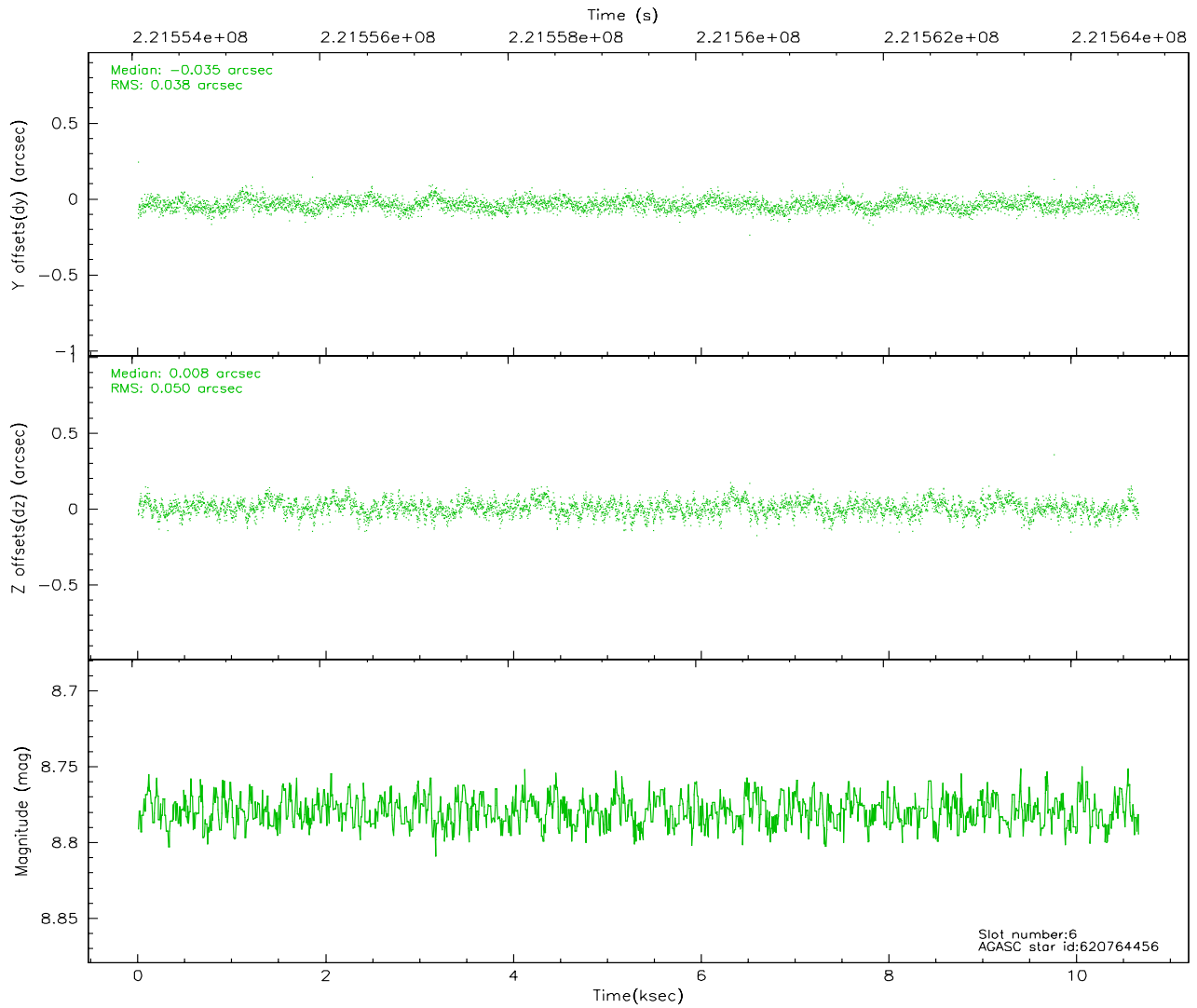
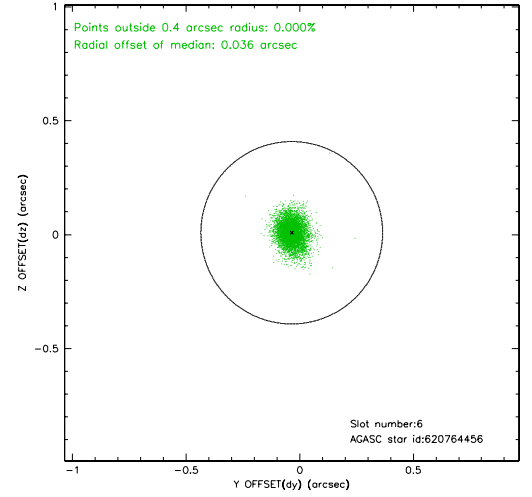
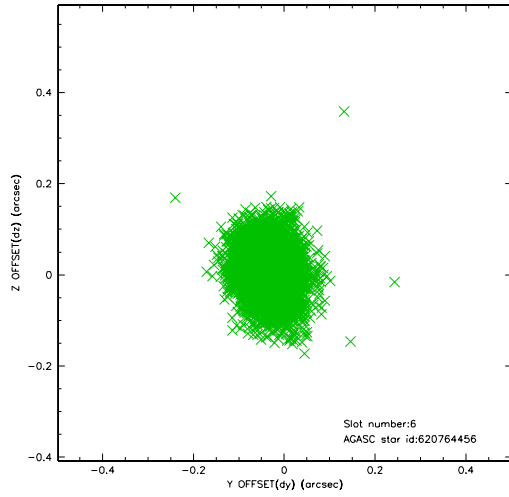
2.4.2 Slot 4



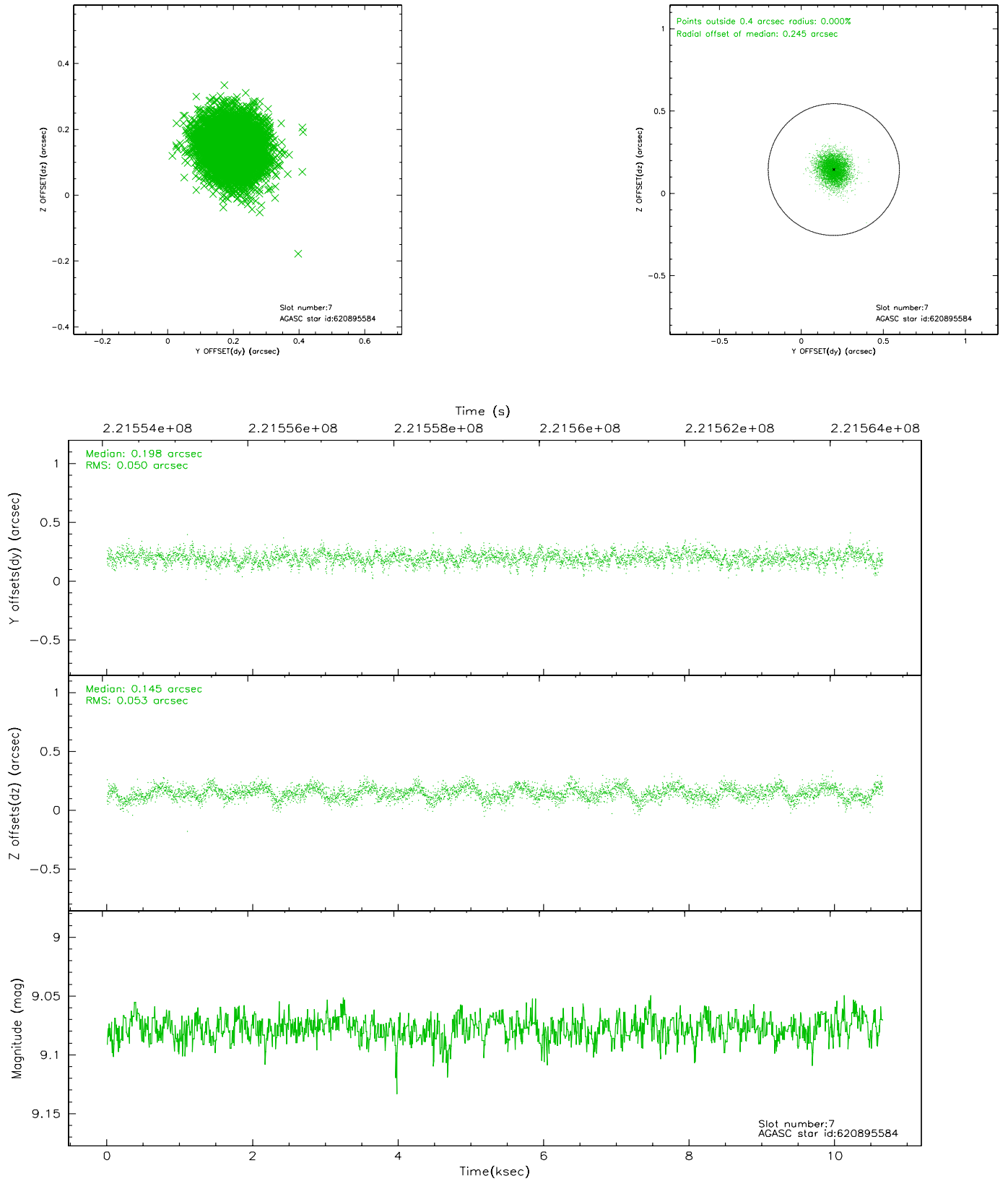
2.4.3 Slot 5



2.4.4 Slot 6

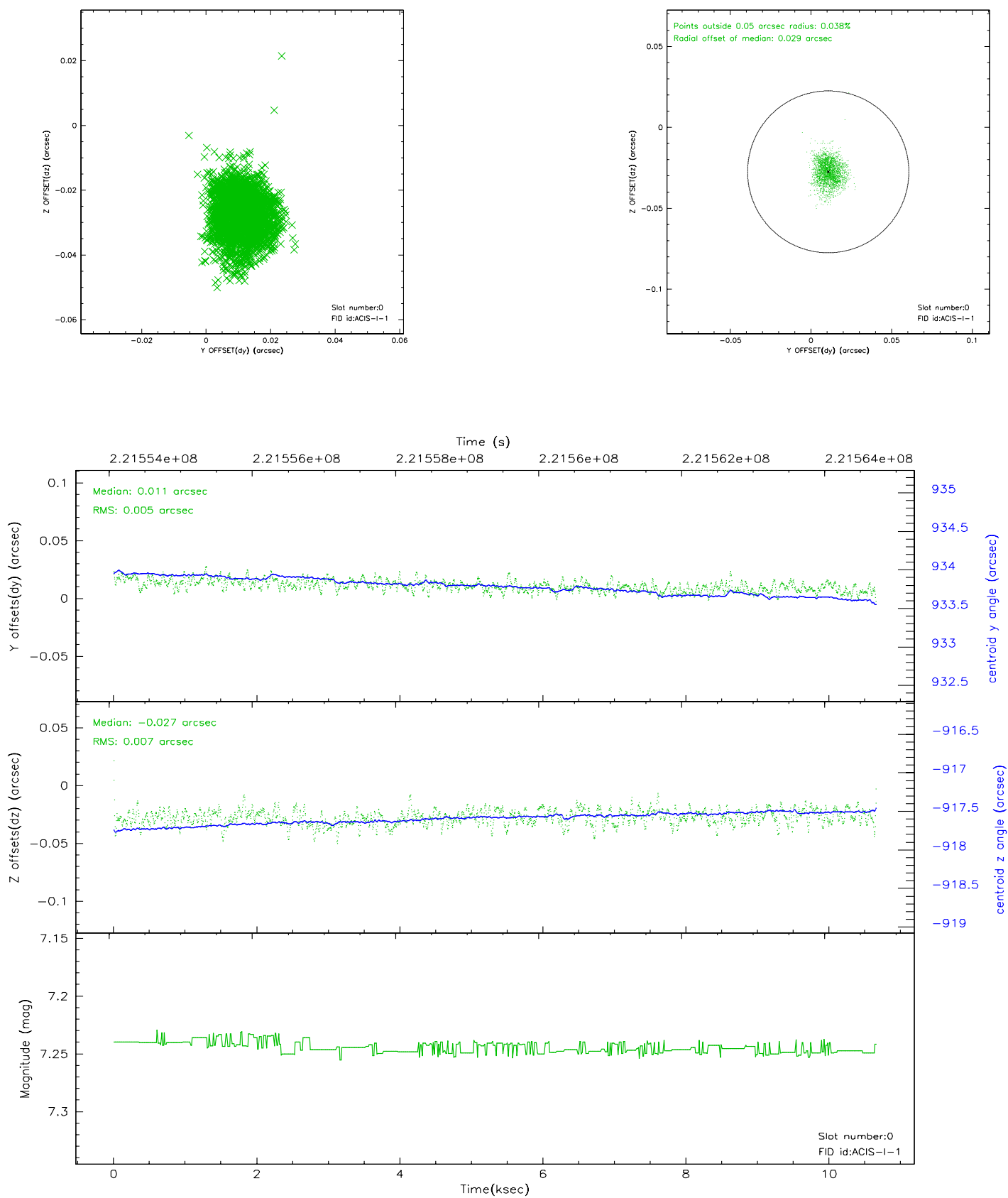


2.4.5 Slot 7

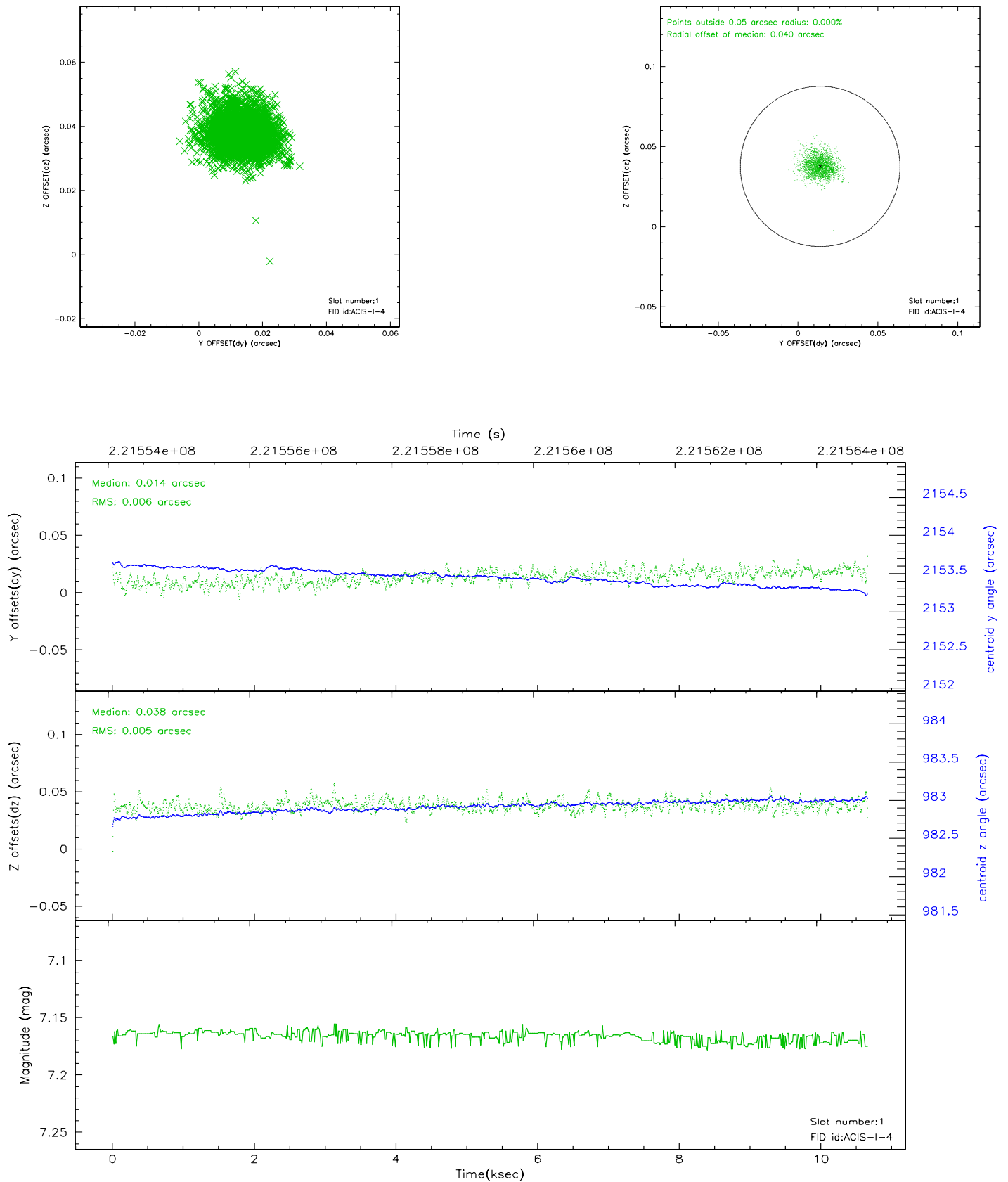


2.5 FID Slots

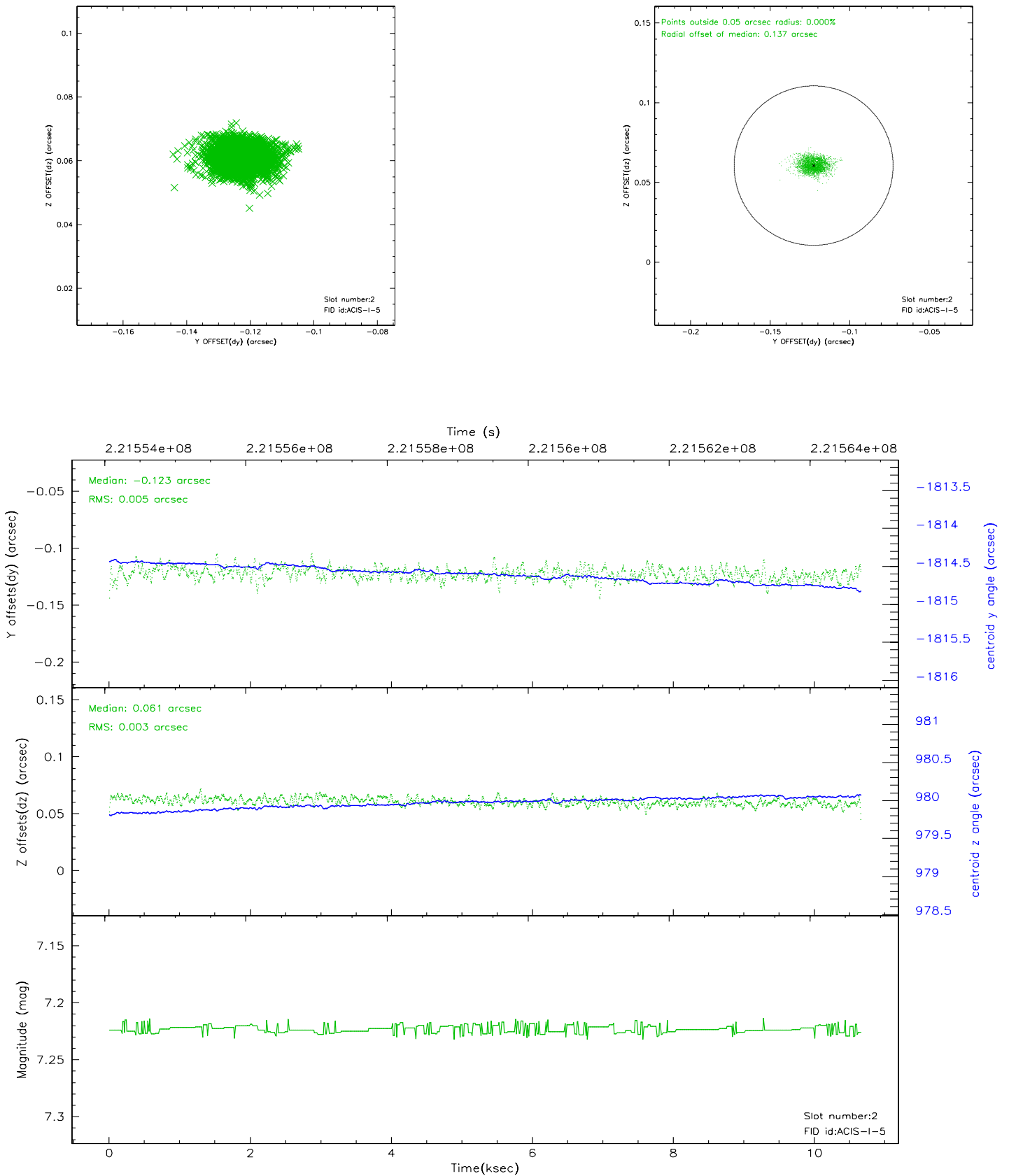
2.5.1 Slot 0



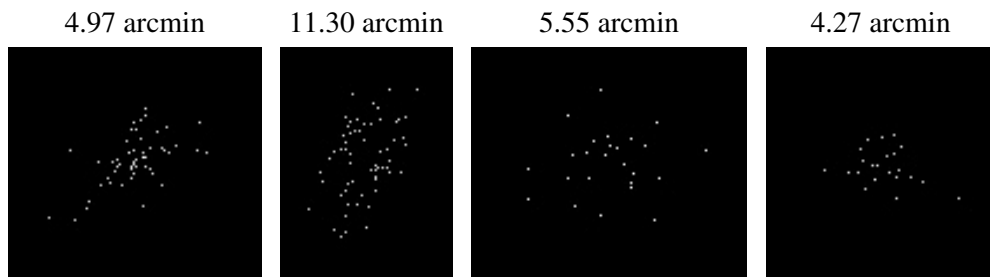
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.35089

A.2 Comments

Charge time:

Using existing charge time of 10.35089.