

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6106 - L2 Version 002
Chandra X-Ray Center

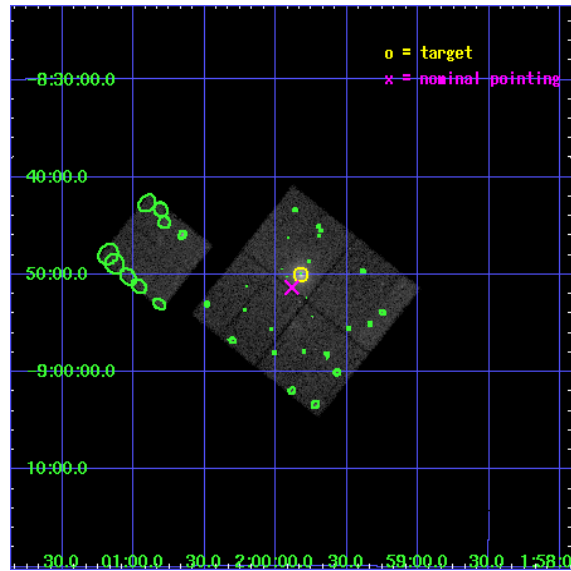
L2 Processing Date : Apr 8 2006

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1 Front

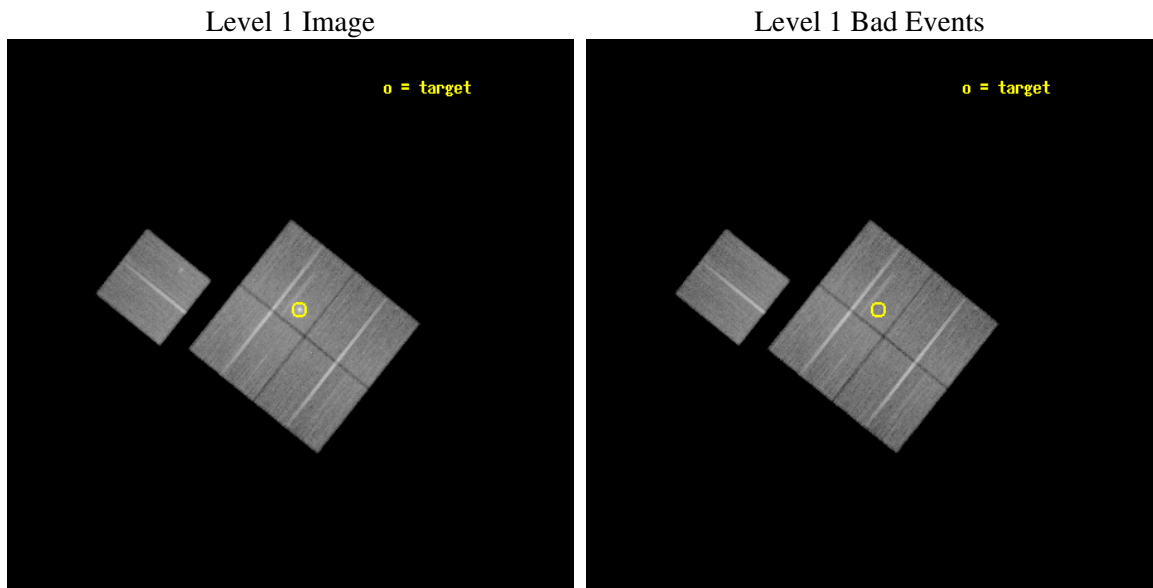
seq_num	800554
obs_id	6106
title	Probing dark energy using the X-ray gas mass fraction in dynamically relaxed galaxy clusters
observer	Dr Steven Allen
object	MACS0159.8-0849
dtcycle	0
cycle	P
ra_targ	29.955833
dec_targ	-8.832917
ra_nom	29.971764394459
dec_nom	-8.8556610192262
roll_nom	308.61322742178
revision	2
ontime	35770.899931222
livetime	35303.526789467
ontime0	35758.335980266
ontime1	35764.617970735
ontime2	35764.617950797
ontime3	35770.899931222
ontime6	35767.758931041
l2events	117360



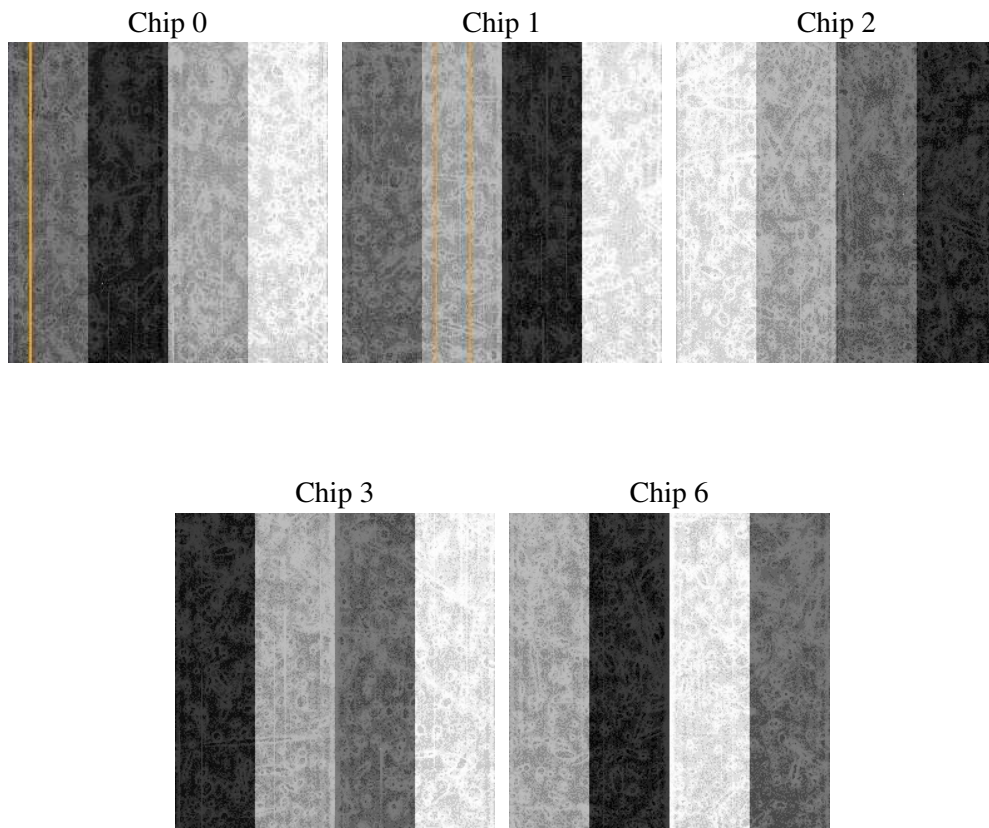
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-08T13:14:16
revision	2

sched_exp_time	36000.000000
ontime	35776.127118826
ontime0	35766.704187989
ontime1	35769.845168233
ontime2	35769.845148295
ontime3	35776.127118826
ontime6	35776.127138764
l1events	1238644

2.1.4 Events

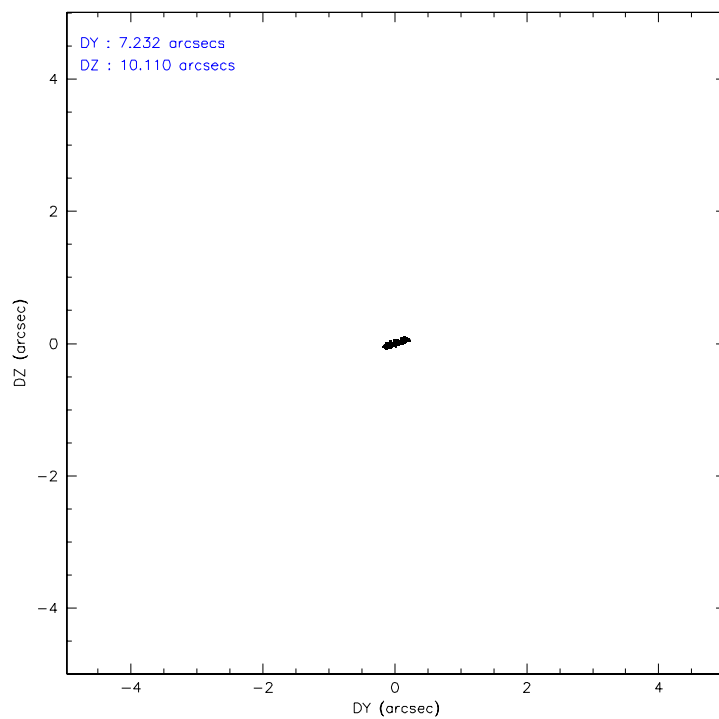
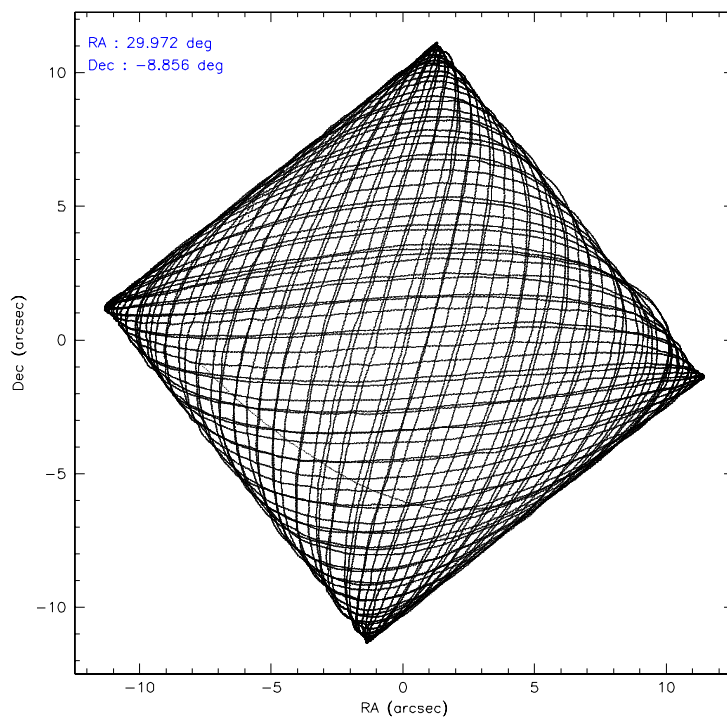
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	224848	229443	271505	265751	247097
rejected events	200241	202892	246955	225895	222134
rejected %	89%	88%	90%	85%	89%

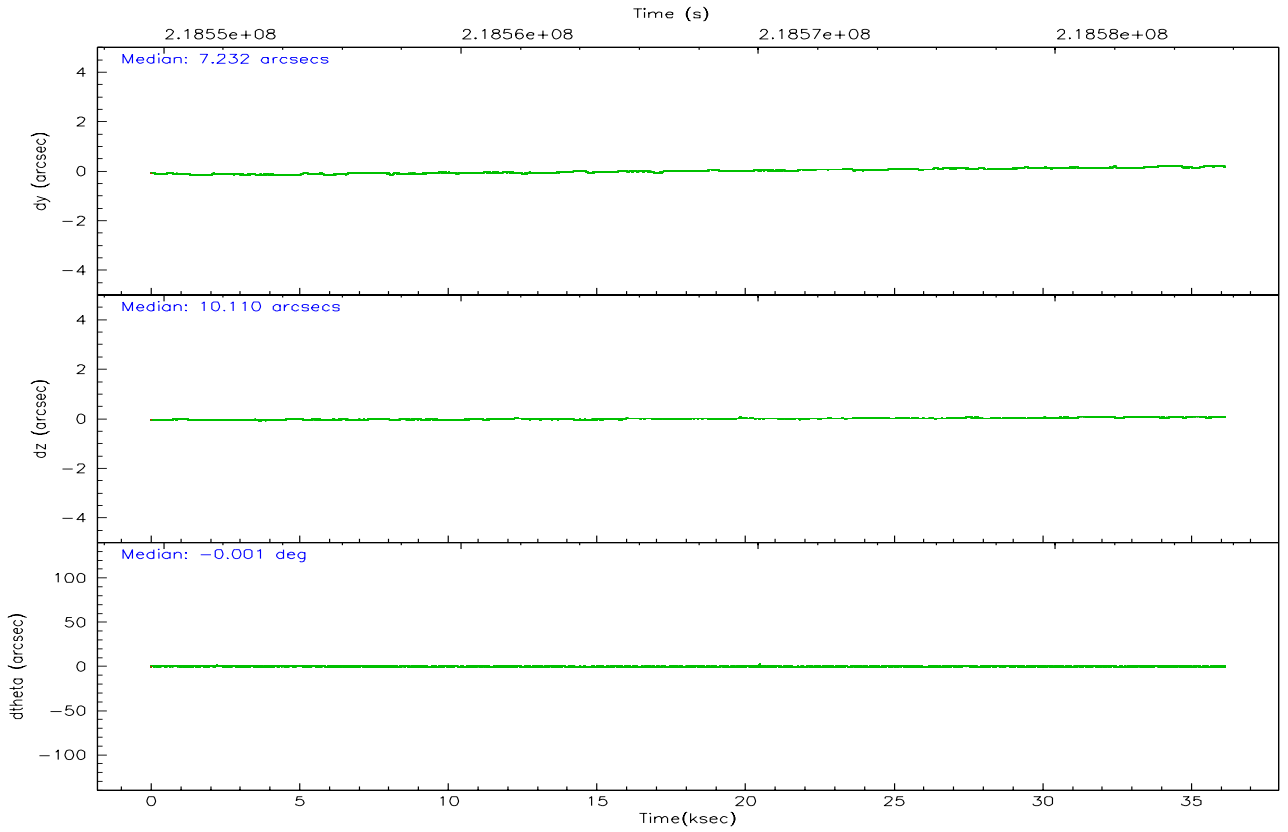
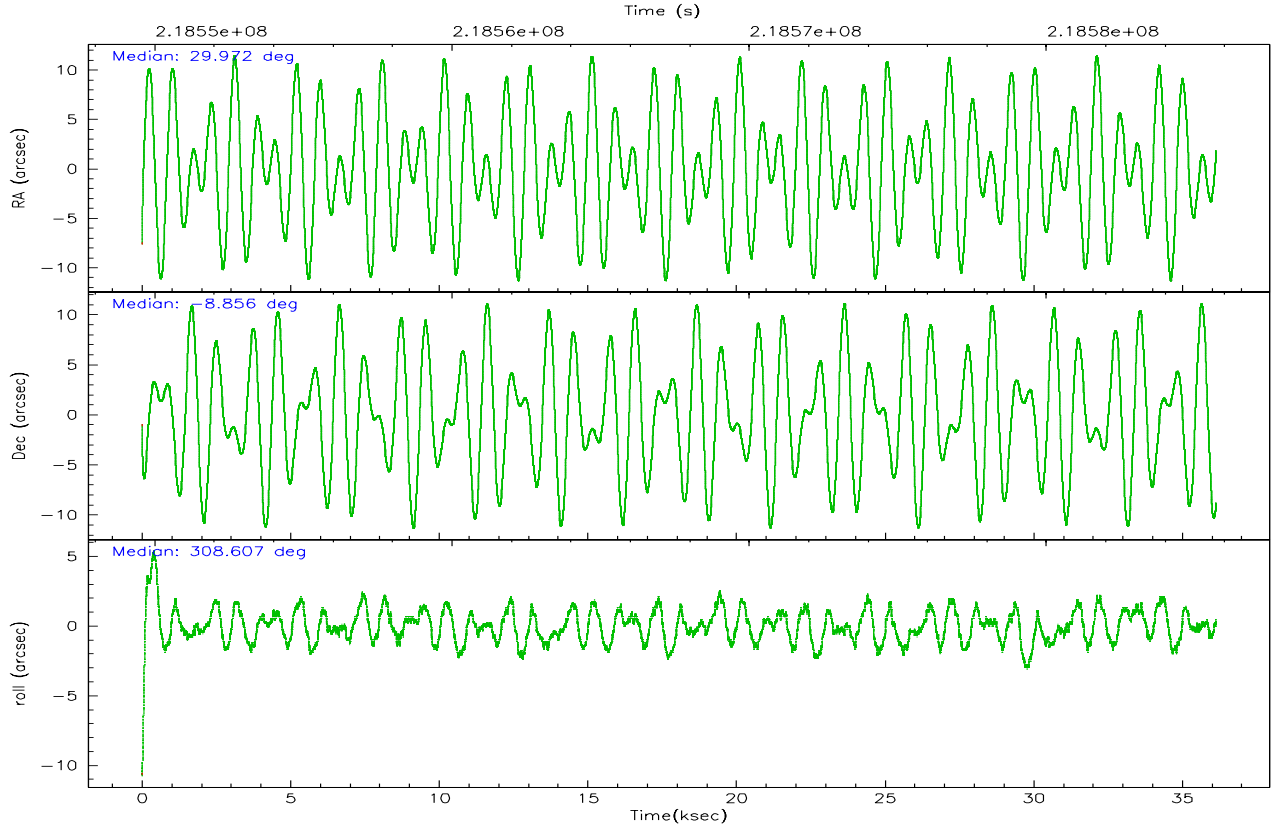
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8859	9741	9074	22170	9151
	3%	4%	3%	8%	3%
grade 1 events	127	126	124	232	116
	0%	0%	0%	0%	0%
grade 2 events	5897	5701	5991	6523	5411
	2%	2%	2%	2%	2%
grade 3 events	2712	3006	2610	3129	2782
	1%	1%	0%	1%	1%
grade 4 events	2609	2855	2661	3091	2707
	1%	1%	0%	1%	1%
grade 5 events	8113	8932	7963	9584	9298
	3%	3%	2%	3%	3%
grade 6 events	4540	5251	4215	4948	4915
	2%	2%	1%	1%	1%
grade 7 events	191991	193831	238867	216074	212717
	85%	84%	87%	81%	86%

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	29.945928	29.97176439445874	Alternating exposures requested	N	N
Pointing Dec	-8.845784	-8.855661019226218	Primary exposure time	0.000000	3.1
Pointing Roll	308.400571	308.6132274217807			
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	218549705.184000	218547929.02999			
Observation start date	2004-12-04T12:14:01	2004-12-04T11:45:29			
Observation end time	218585705.184000	218586204.06922			
Observation end date	2004-12-04T22:14:01	2004-12-04T22:23:24			
Read mode	TIMED	TIMED			

2.3 Aspect



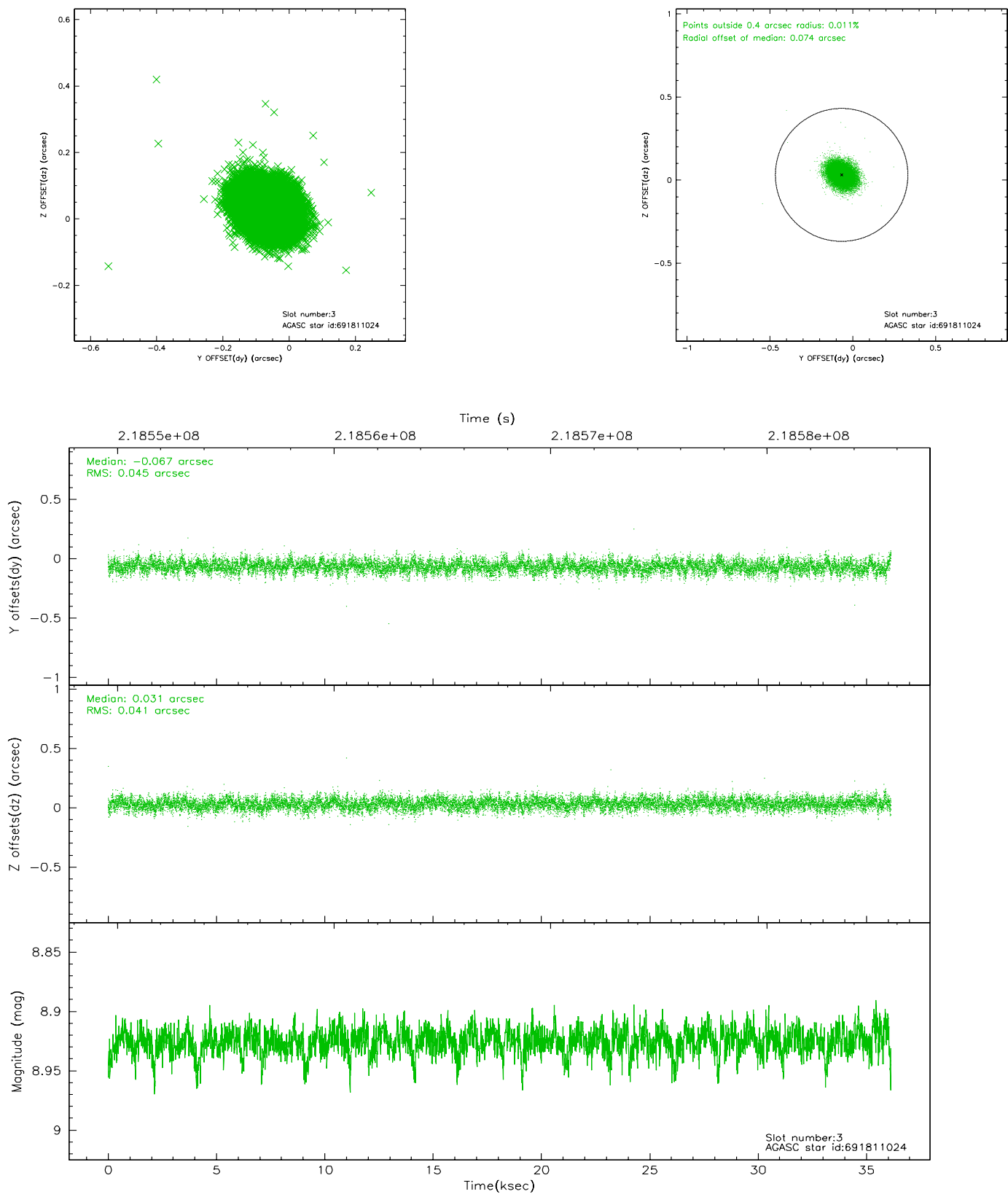


Slot Statistics

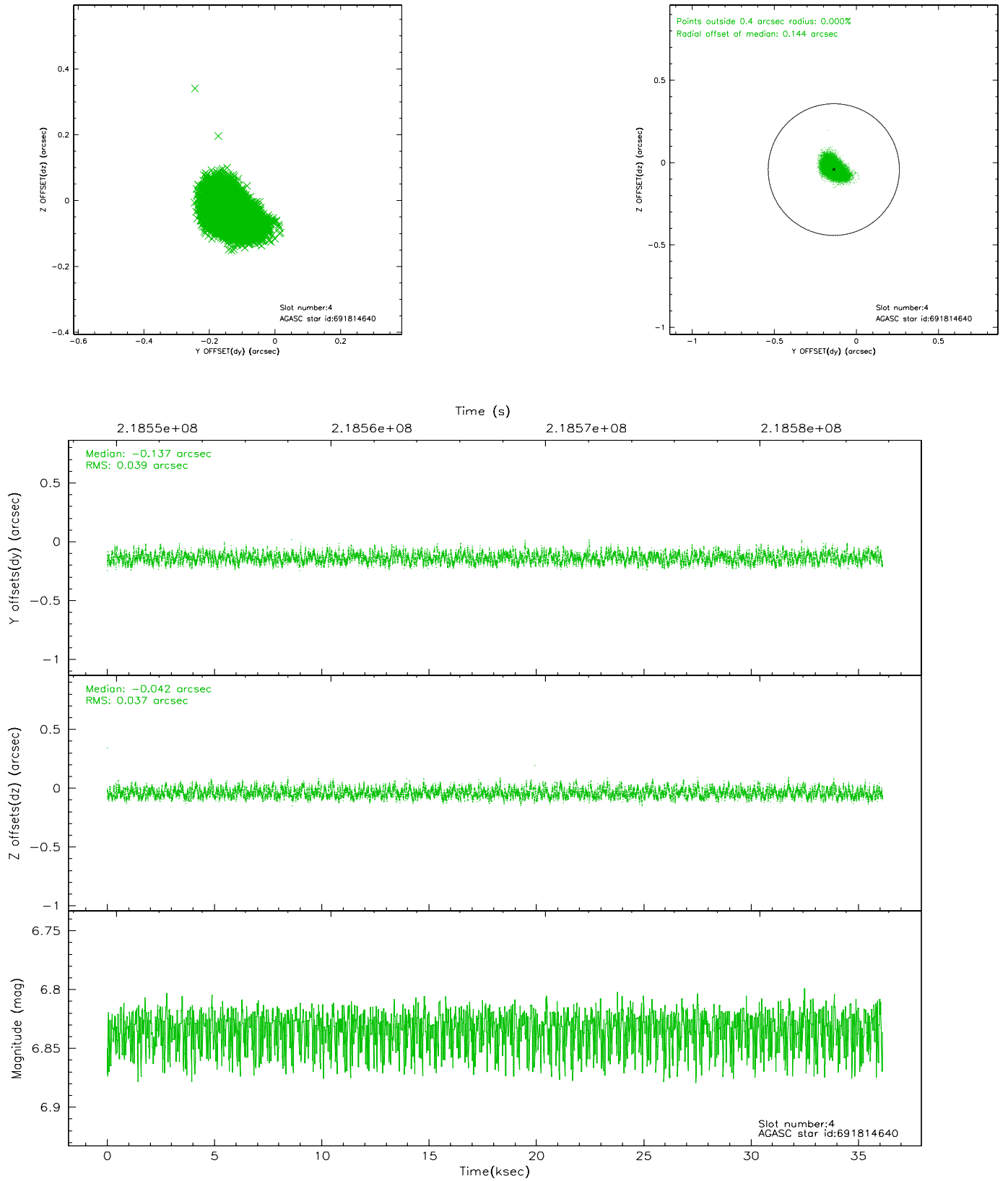
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	8812	0.046	-0.005	0.006	0.010	0.000000	0.000000	932.39	-918.72
1	FID	ACIS-I-5	7.23	8810	-0.166	0.066	0.006	0.011	0.000000	0.000000	-1815.89	978.84
2	FID	ACIS-I-6	7.25	8811	0.029	0.010	0.007	0.011	0.000000	0.000000	397.91	1623.31
3	GUIDE	691811024	8.93	17621	-0.067	0.031	0.064	0.105	29.791583	-8.363095	-1703.11	648.47
4	GUIDE	691814640	6.83	17626	-0.137	-0.042	0.058	0.093	30.206085	-8.471716	-479.40	1562.51
5	GUIDE	691817096	8.32	17625	0.008	-0.100	0.076	0.119	29.769058	-8.981725	-6.71	-796.78
6	GUIDE	692203704	9.54	17609	0.209	0.166	0.095	0.154	30.759553	-8.916713	2000.25	2107.70
7	GUIDE	691810800	8.53	17618	-0.014	-0.055	0.069	0.112	29.827543	-9.580078	1811.42	-1970.90

2.4 Star Slots

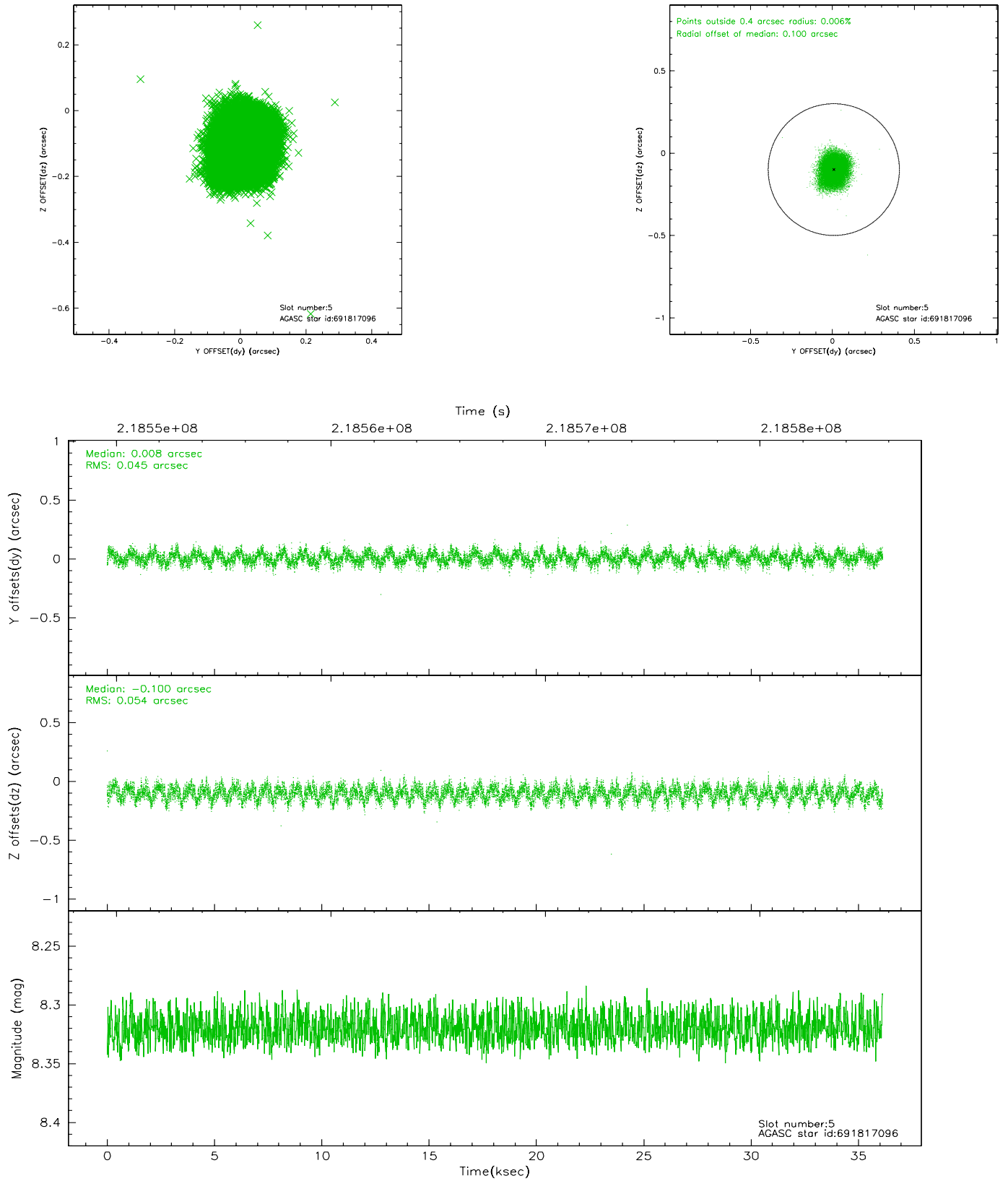
2.4.1 Slot 3



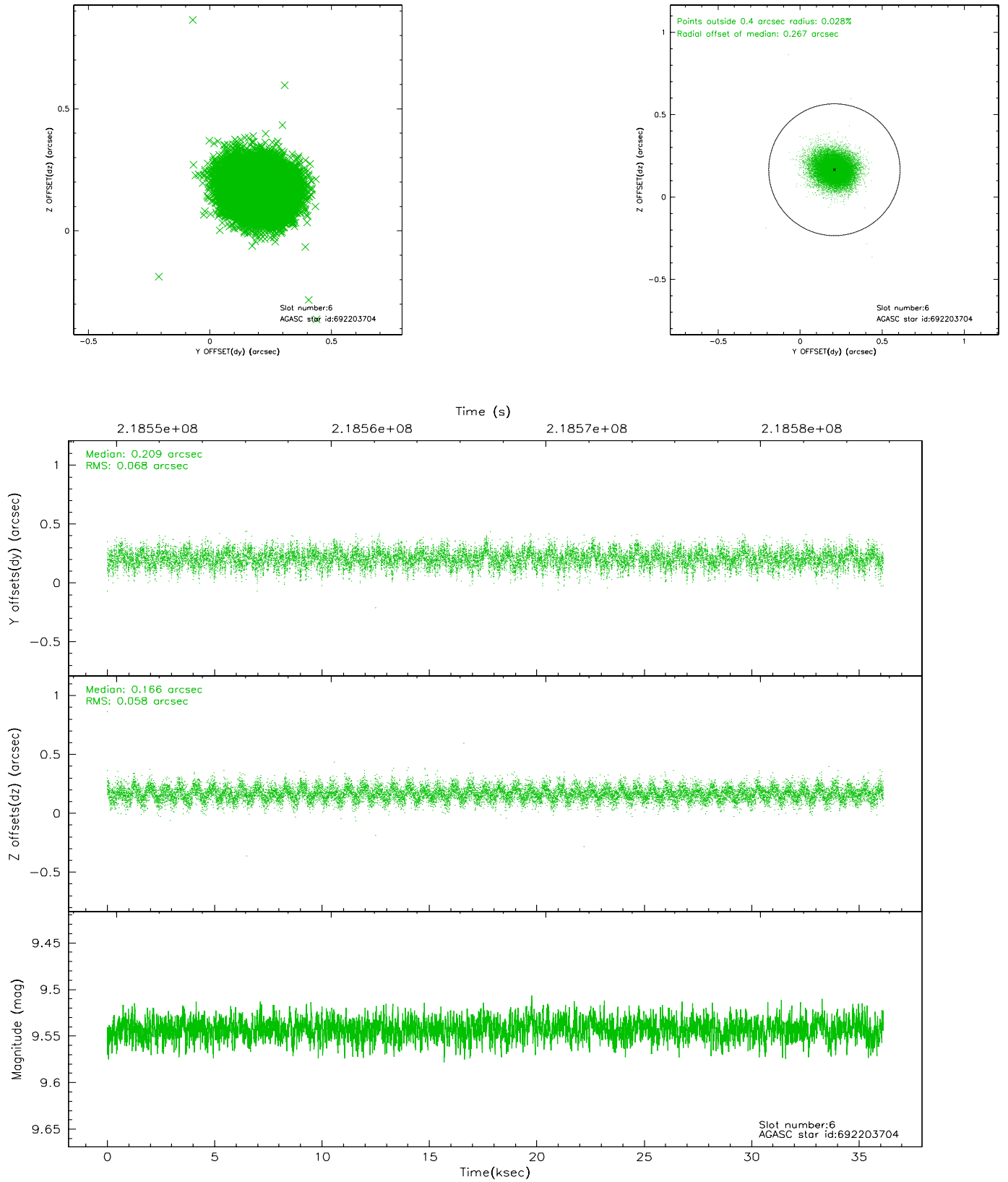
2.4.2 Slot 4



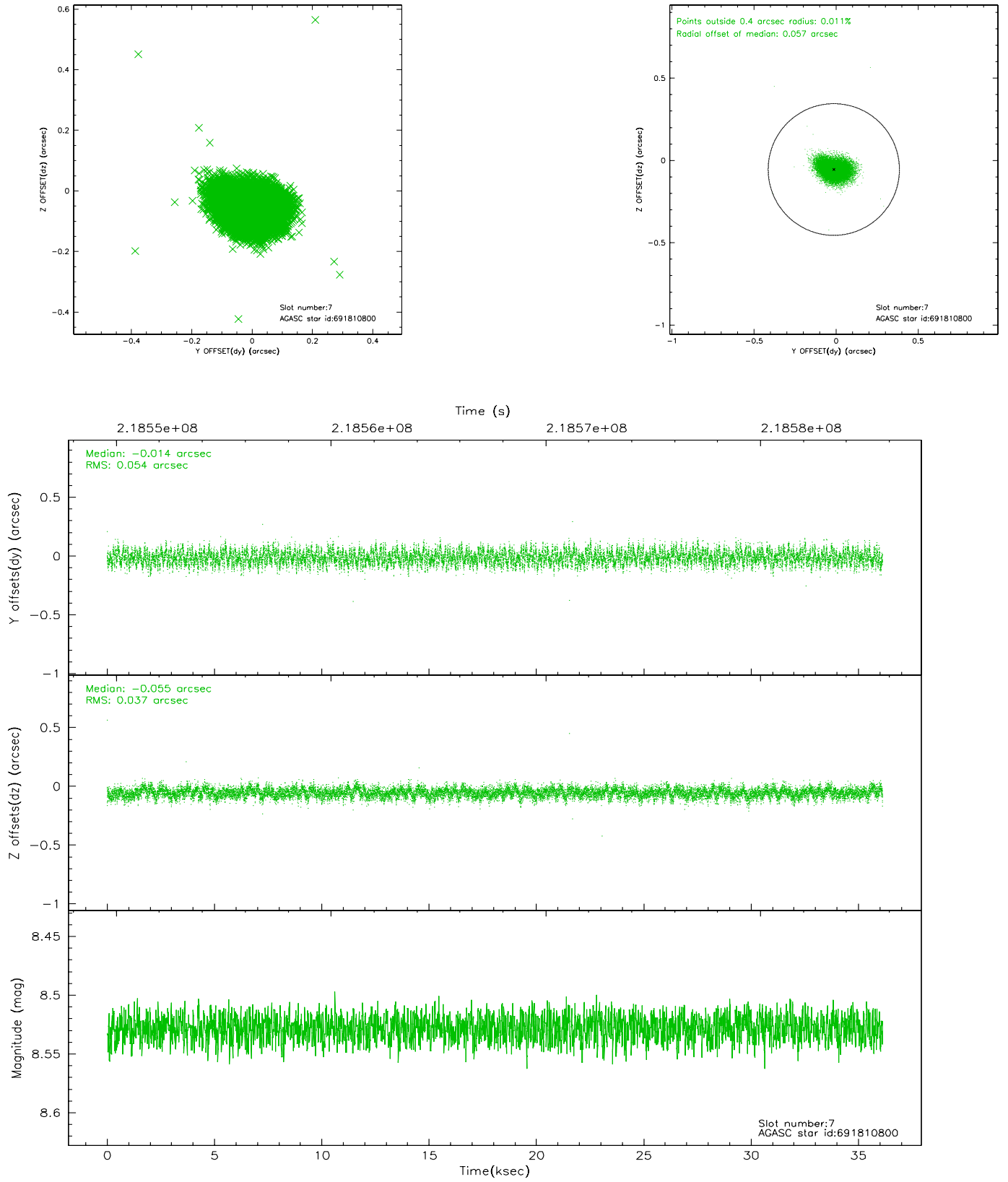
2.4.3 Slot 5



2.4.4 Slot 6

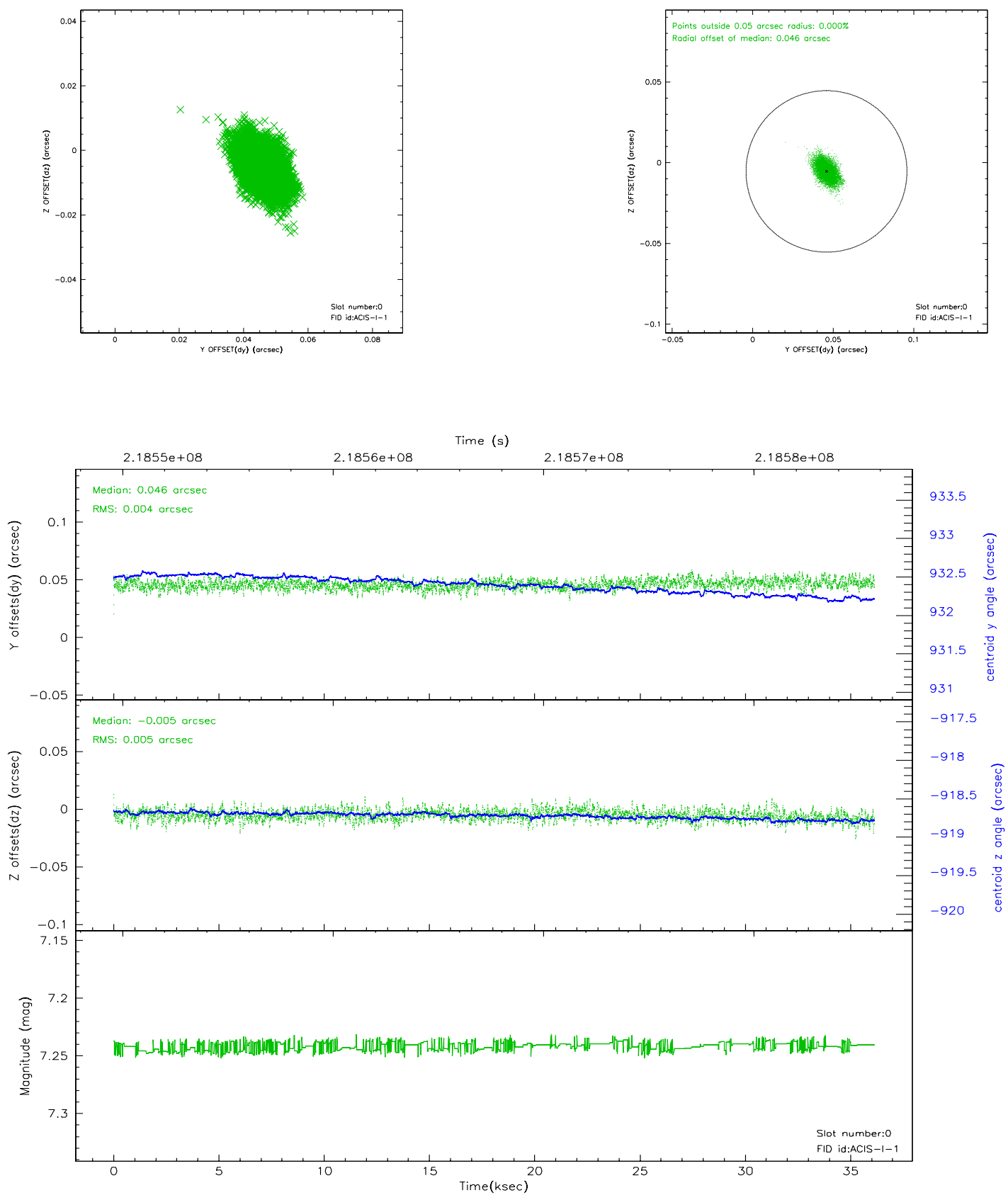


2.4.5 Slot 7

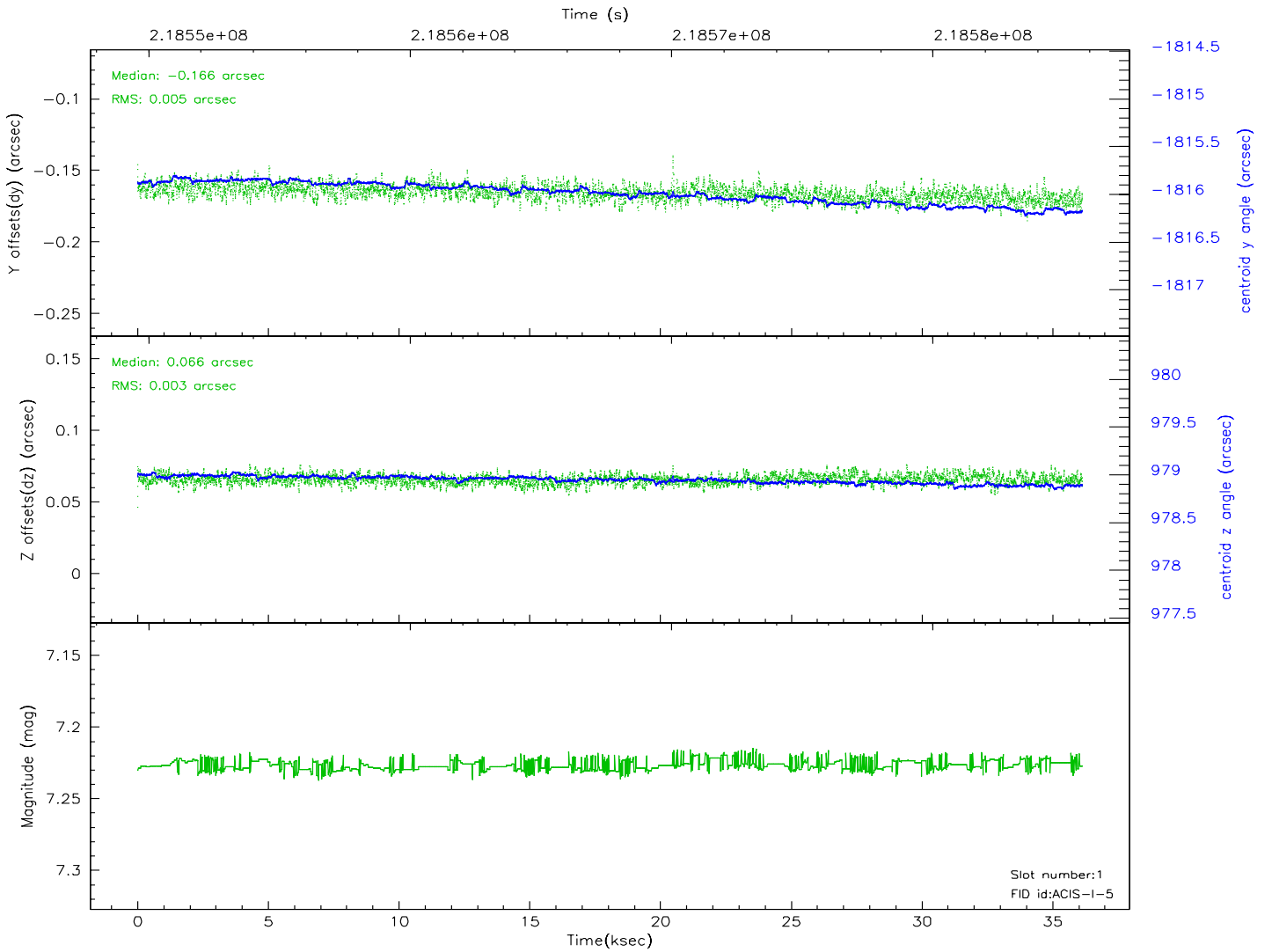
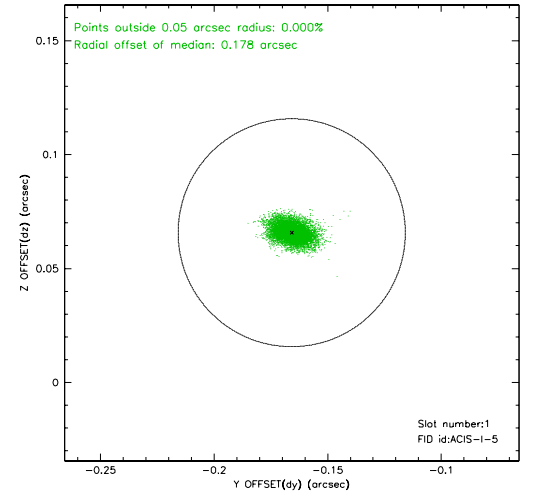
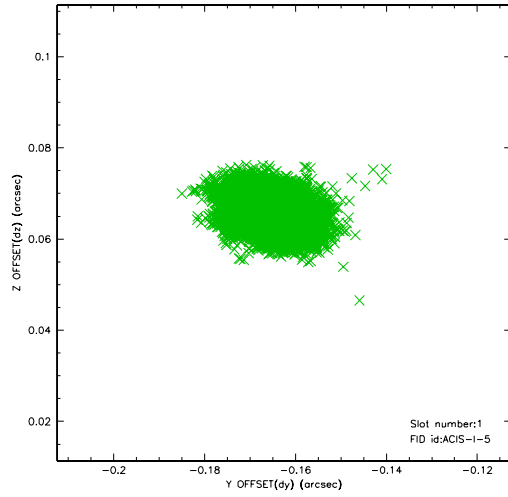


2.5 FID Slots

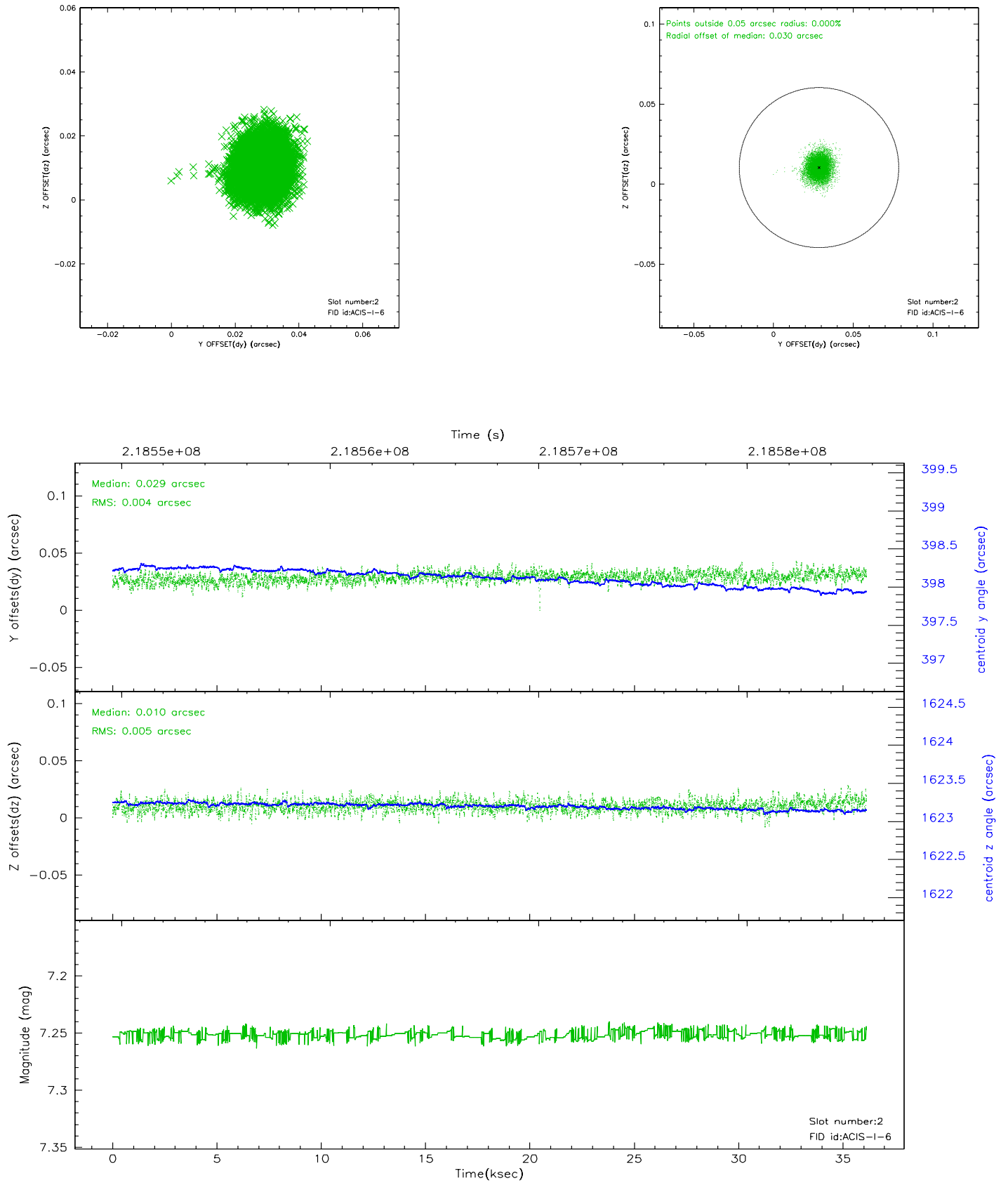
2.5.1 Slot 0



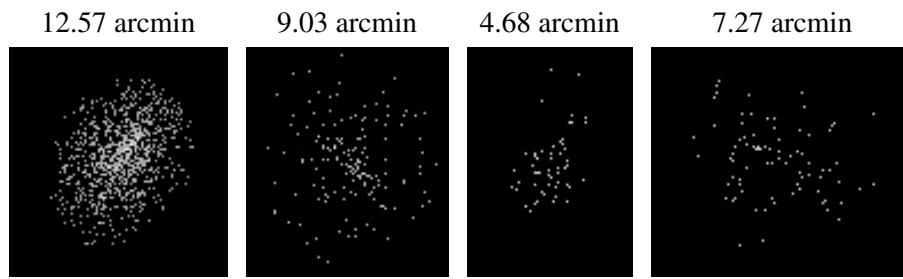
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.77089

A.2 Comments