

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5893 - L2 Version 002
Chandra X-Ray Center

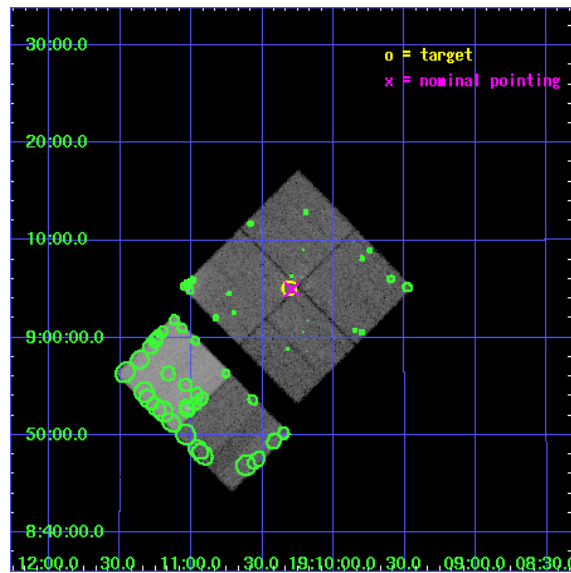
L2 Processing Date : Mar 18 2006

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1 Front

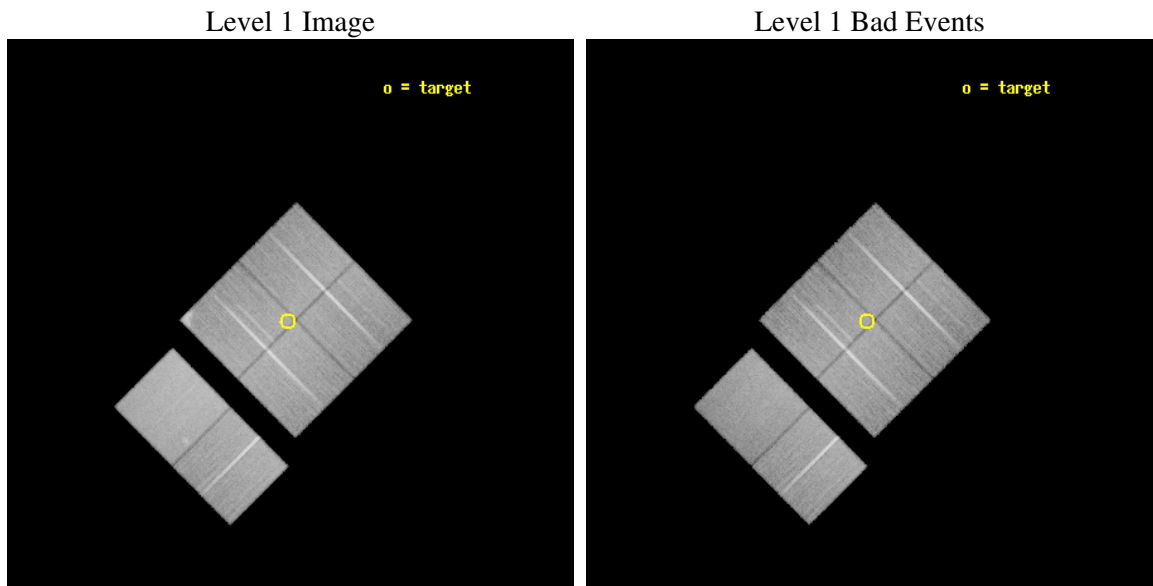
seq_num	900393
obs_id	5893
title	ACIS-I Reveals a 60 Mega Kelvin Cocoon Surrounding a Galactic Star Burst Monster
observer	Dr. Masahiro Tsujimoto
object	W49A
dtcycle	0
cycle	P
ra_targ	287.5775
dec_targ	9.084444
ra_nom	287.57315691093
dec_nom	9.0826819349024
roll_nom	225.20936916575
revision	2
ontime	33958.399873495
livetime	33528.398167003
ontime0	33958.399873495
ontime1	33955.158883184
ontime2	33948.676902741
ontime3	33958.399873495
ontime6	33958.399873495
ontime7	33958.399873495
l2events	281446



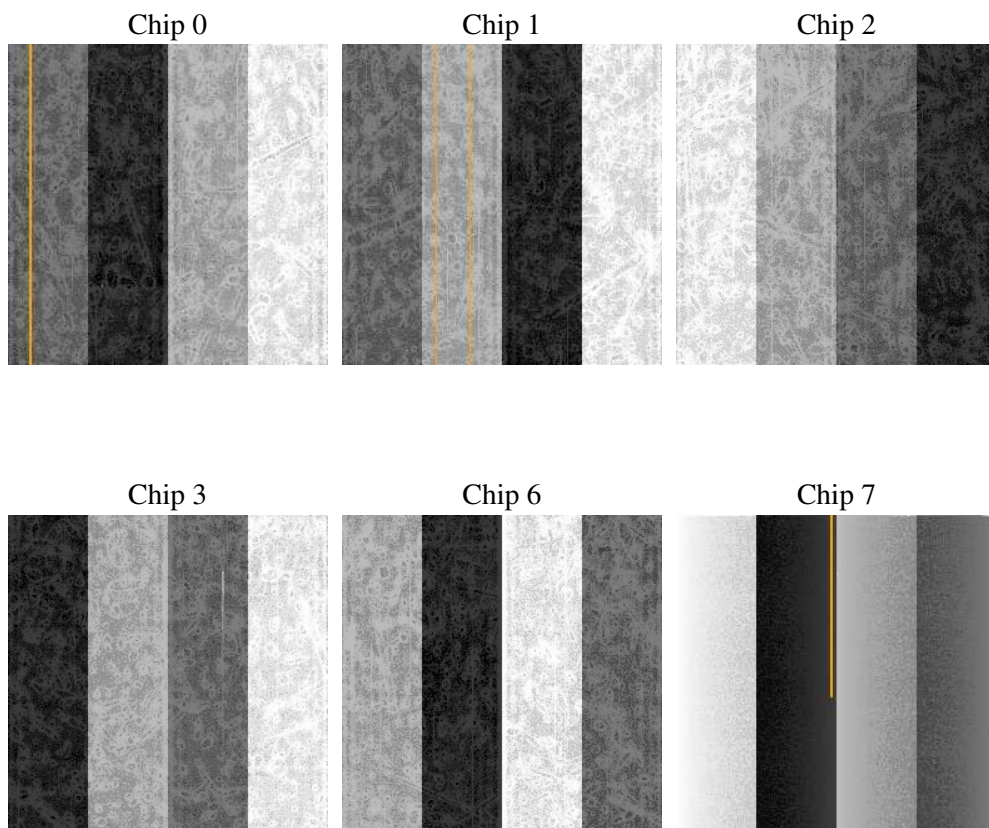
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-18T21:47:08
revision	2

sched_exp_time	34000.000000
ontime	33962.570455939
ontime0	33962.570475847
ontime1	33959.329465628
ontime2	33952.847485185
ontime3	33962.570455939
ontime6	33962.570455939
ontime7	33962.570475847
l1events	1588789

2.1.4 Events

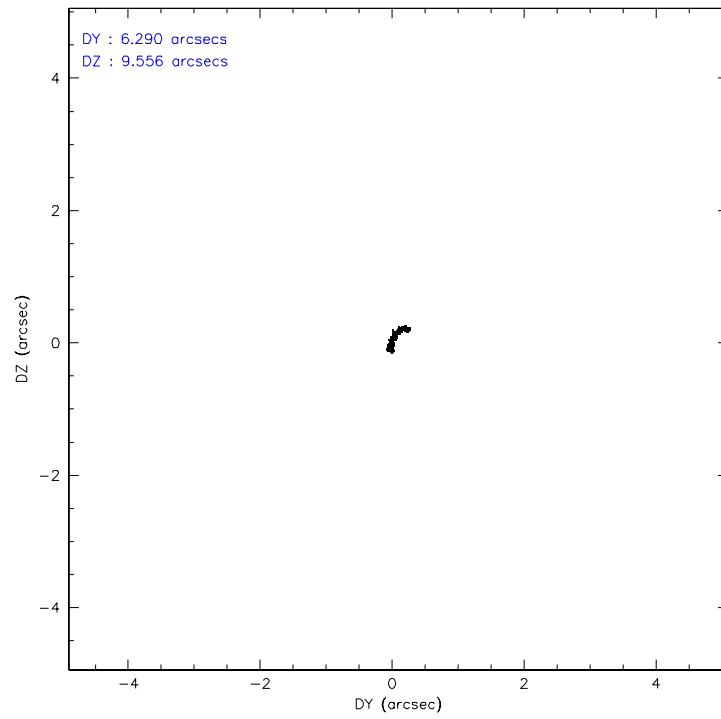
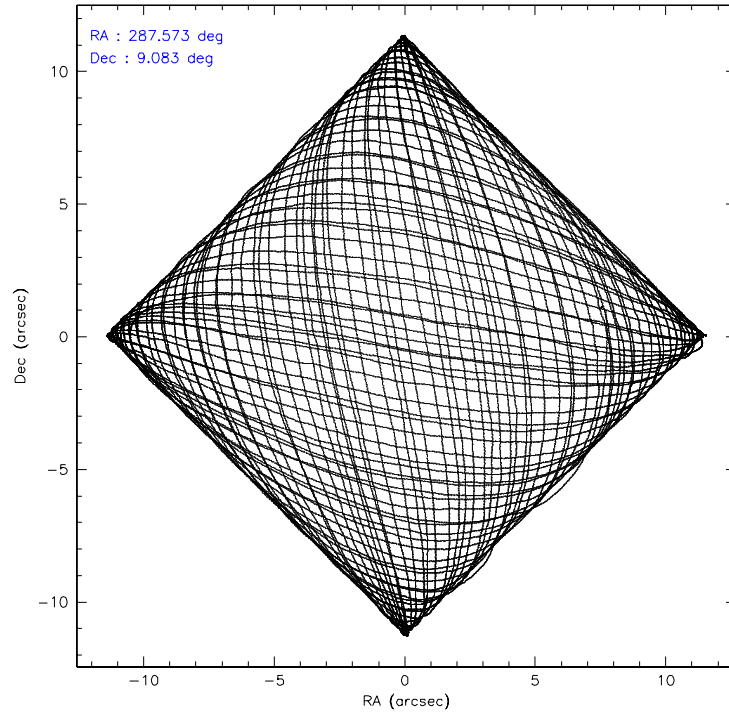
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	230606	237791	259576	259362	266897	334557
rejected events	196194	201617	225716	216748	233545	206794
rejected %	85%	84%	86%	83%	87%	61%

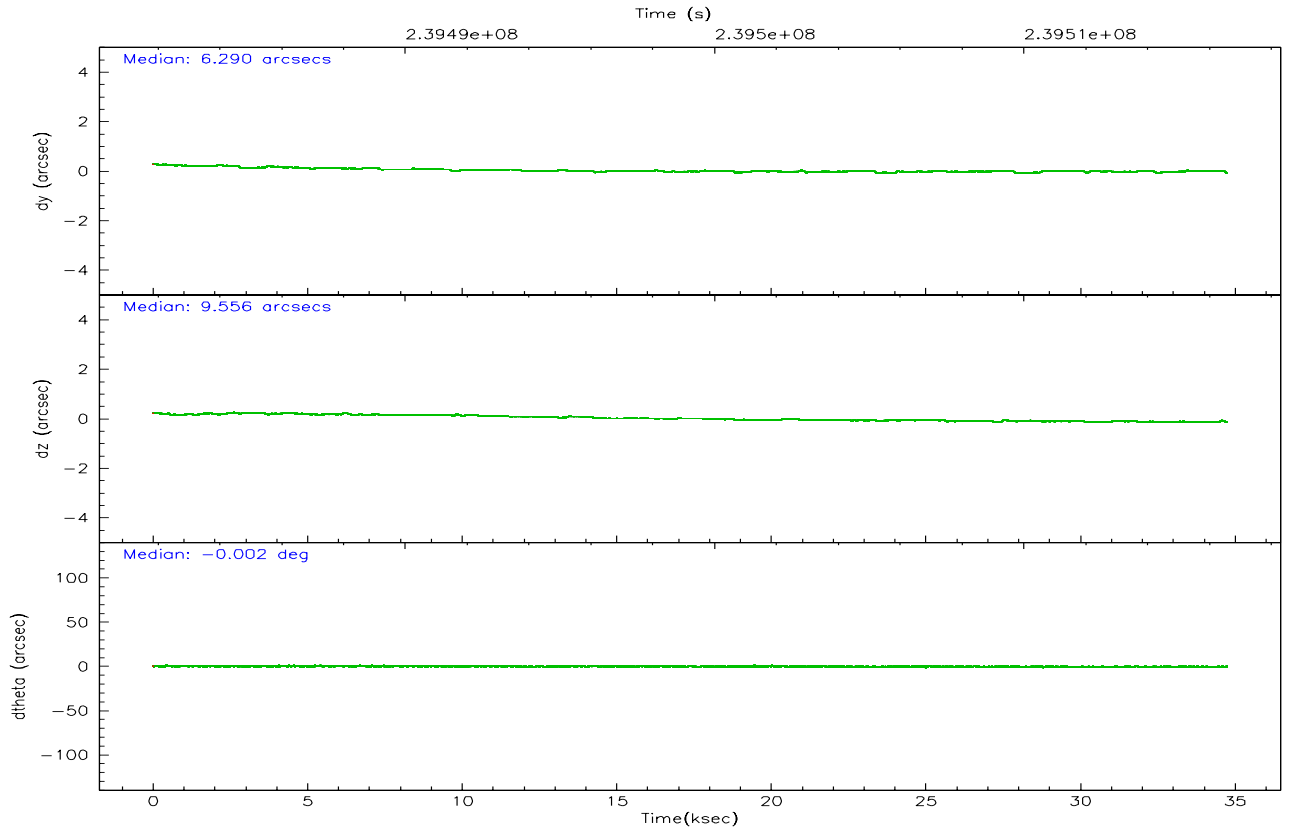
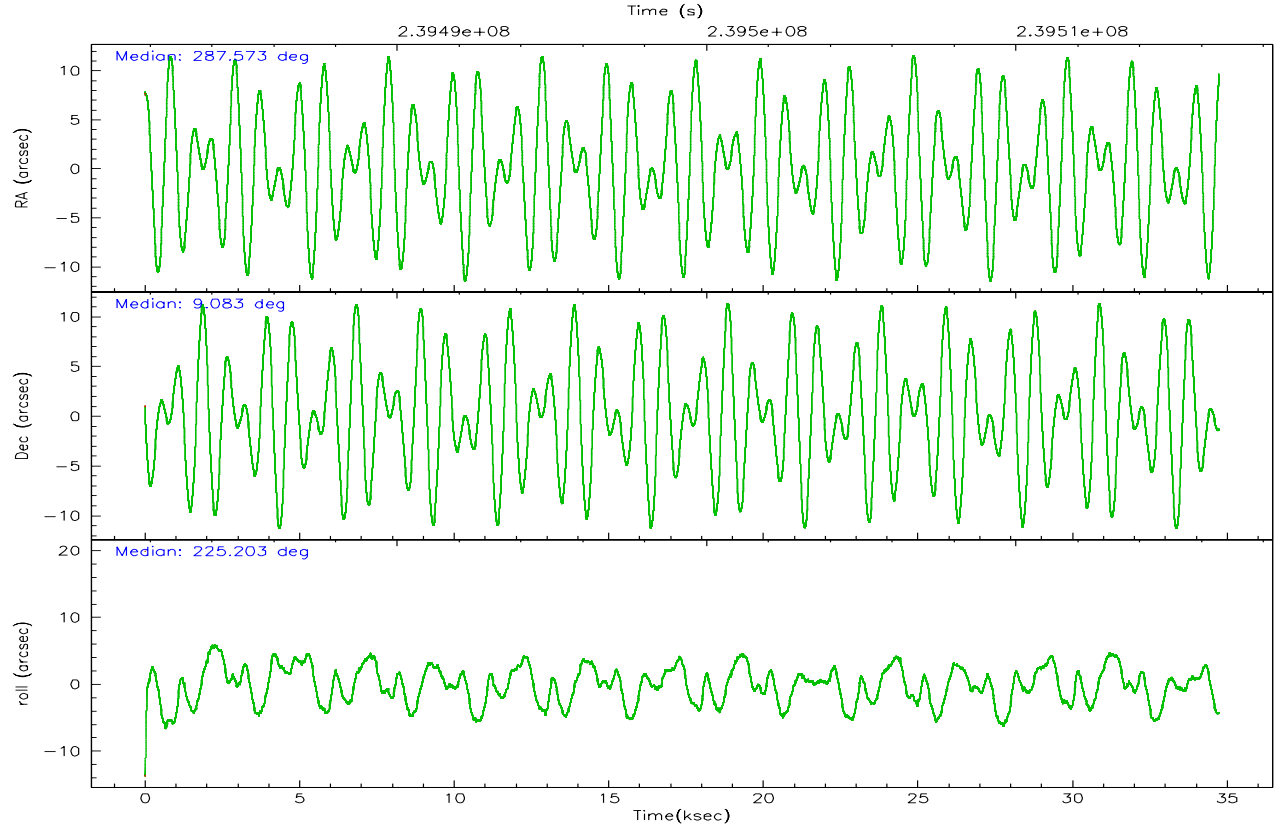
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14184	13051	14951	21010	12207	7143
	6%	5%	5%	8%	4%	2%
grade 1 events	132	113	130	164	118	178
	0%	0%	0%	0%	0%	0%
grade 2 events	8218	9607	7684	8662	8773	31847
	3%	4%	2%	3%	3%	9%
grade 3 events	3019	2946	2634	3232	2865	6172
	1%	1%	1%	1%	1%	1%
grade 4 events	2663	2951	2894	3204	2750	5930
	1%	1%	1%	1%	1%	1%
grade 5 events	9551	9960	9302	10710	11273	20877
	4%	4%	3%	4%	4%	6%
grade 6 events	6331	7622	5700	6508	6760	76683
	2%	3%	2%	2%	2%	22%
grade 7 events	186508	191541	216281	205872	222151	185727
	80%	80%	83%	79%	83%	55%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	287.580125	287.5731569109261	Alternating exposures requested	N	N
Pointing Dec	9.109197	9.082681934902382	Primary exposure time	0.000000	3.2
Pointing Roll	224.999582	225.2093691657503			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	239482583.184000	239481345.08051			
Observation start date	2005-08-03T18:55:19	2005-08-03T18:35:45			
Observation end time	239516583.184000	239517390.23216			
Observation end date	2005-08-04T04:21:59	2005-08-04T04:36:30			
Read mode	TIMED	TIMED			

2.3 Aspect



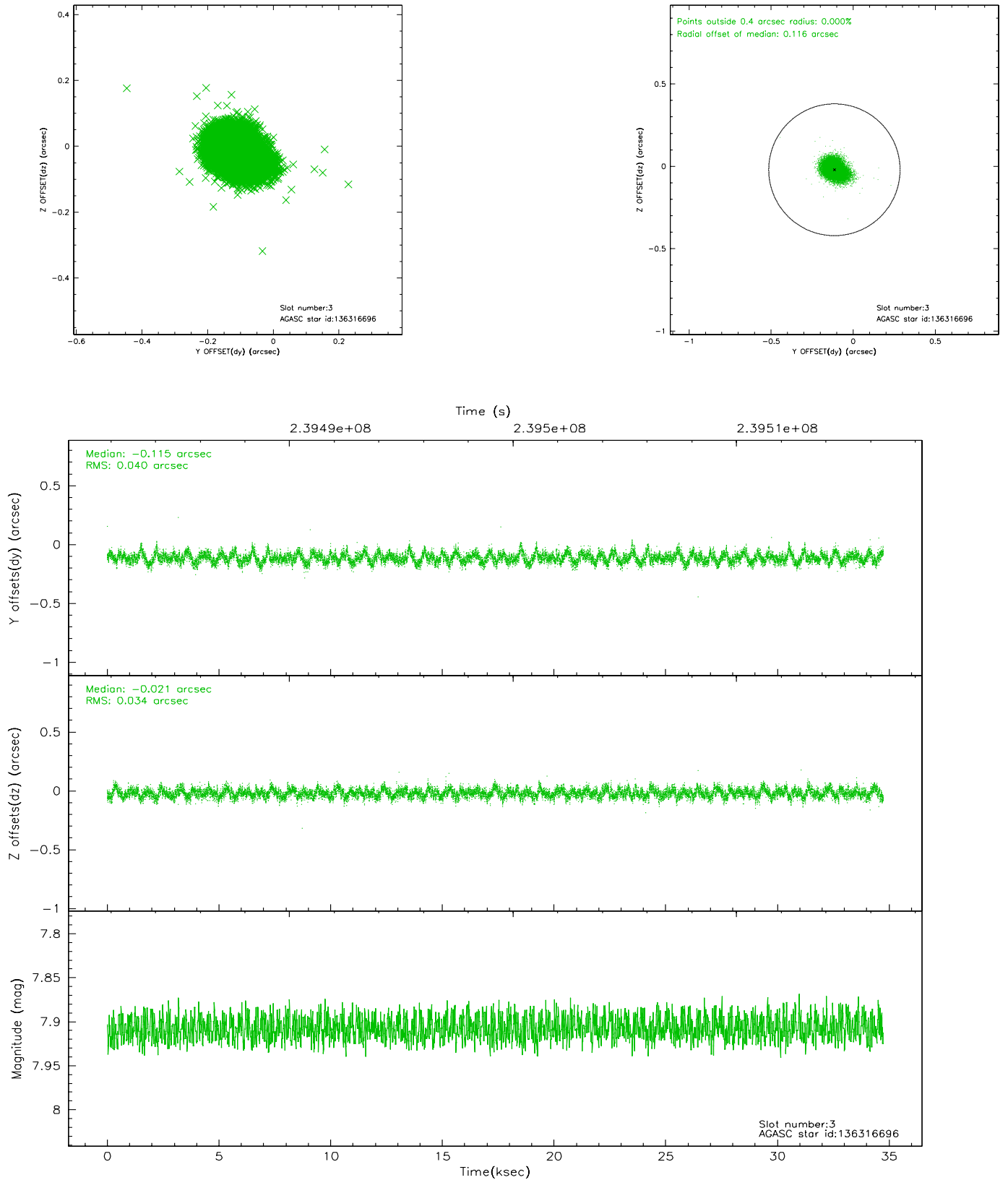


Slot Statistics

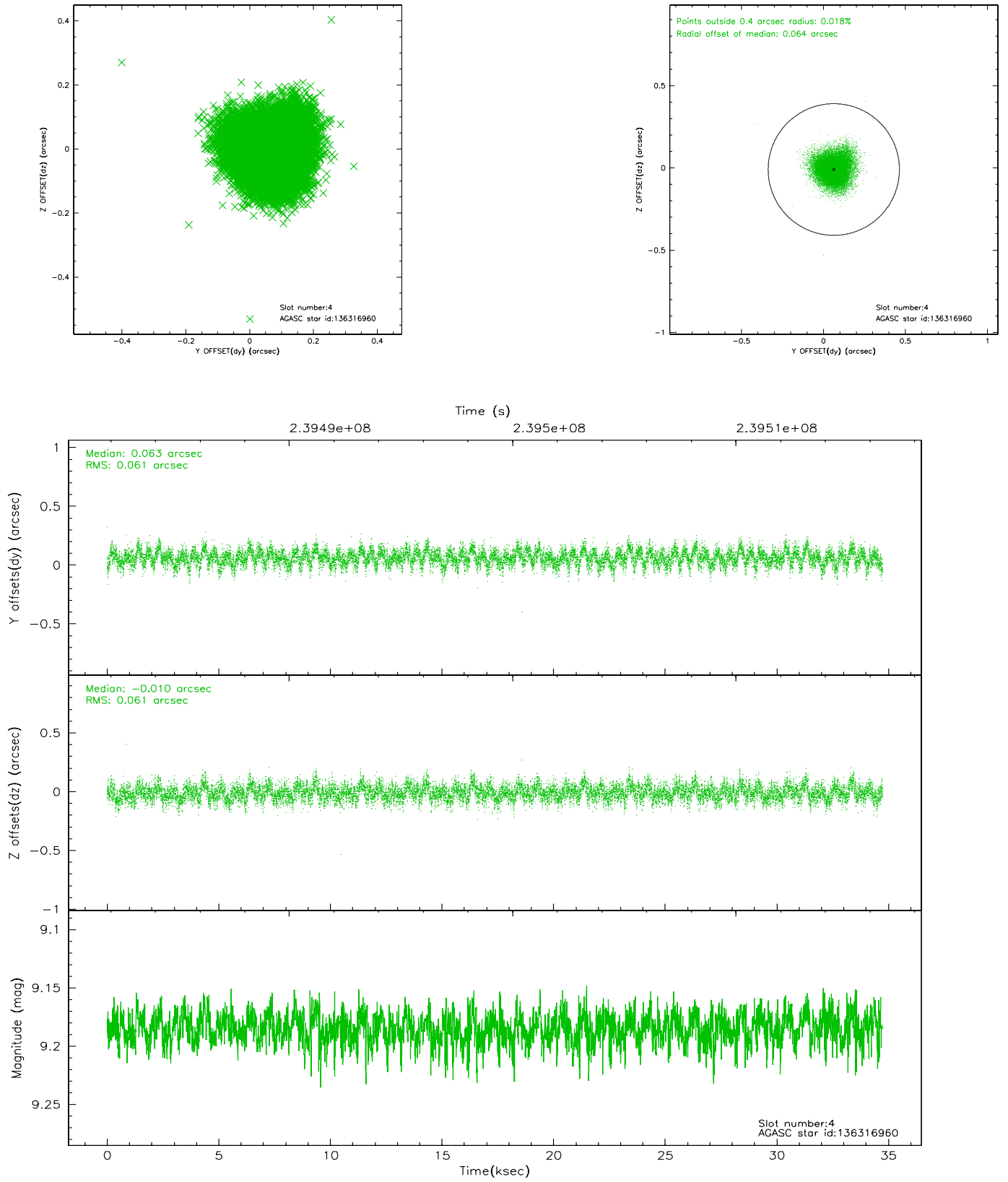
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	8474	-0.013	0.048	0.008	0.013	0.000000	0.000000	933.37	-832.99
1	FID	ACIS-I-5	7.23	8475	-0.137	0.020	0.006	0.010	0.000000	0.000000	-1814.85	1064.43
2	FID	ACIS-I-6	7.26	8475	0.058	0.003	0.008	0.014	0.000000	0.000000	398.93	1708.98
3	GUIDE	136316696	7.91	16945	-0.115	-0.021	0.056	0.091	287.190166	9.367792	321.12	-1638.27
4	GUIDE	136316960	9.18	16937	0.063	-0.010	0.091	0.148	287.104881	9.133555	1132.20	-1257.01
5	GUIDE	136317344	9.26	16945	0.168	-0.016	0.091	0.155	287.032148	8.921467	1855.56	-900.90
6	GUIDE	136451040	7.20	16945	-0.121	-0.079	0.051	0.085	287.806788	8.498975	982.62	2124.07
7	GUIDE	136979696	9.38	16942	0.008	0.121	0.087	0.142	287.607746	9.703592	-1582.02	-1443.48

2.4 Star Slots

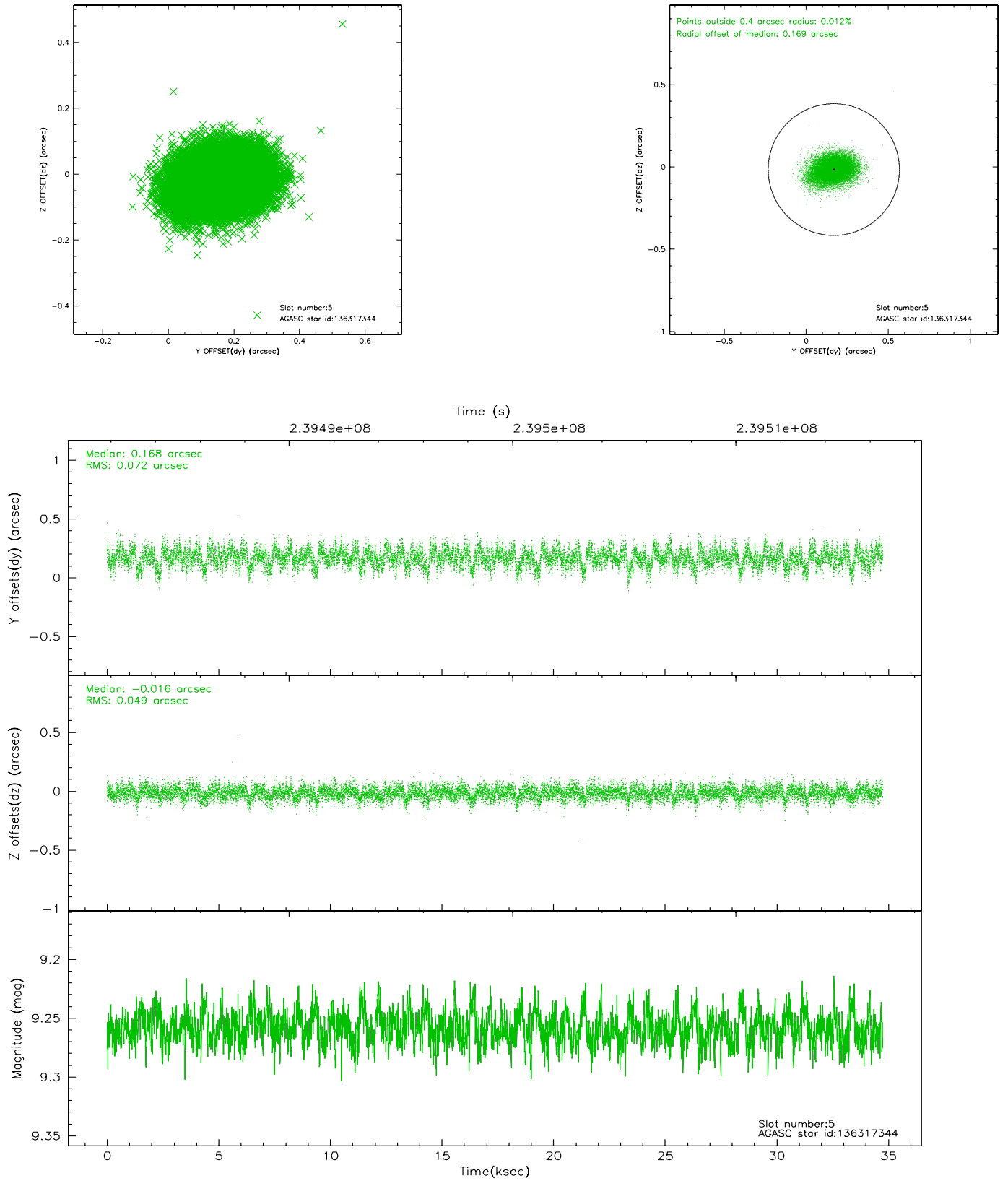
2.4.1 Slot 3



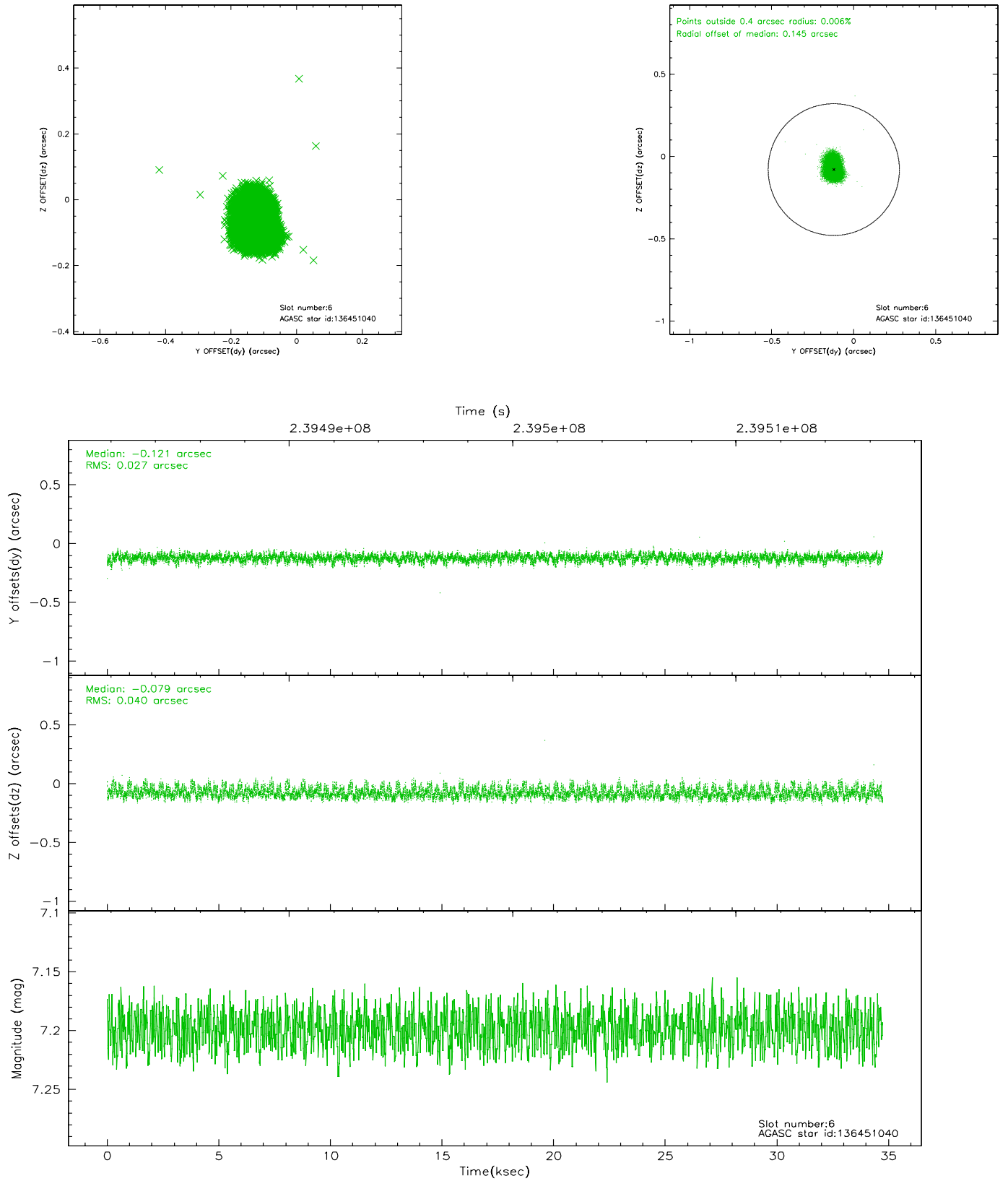
2.4.2 Slot 4



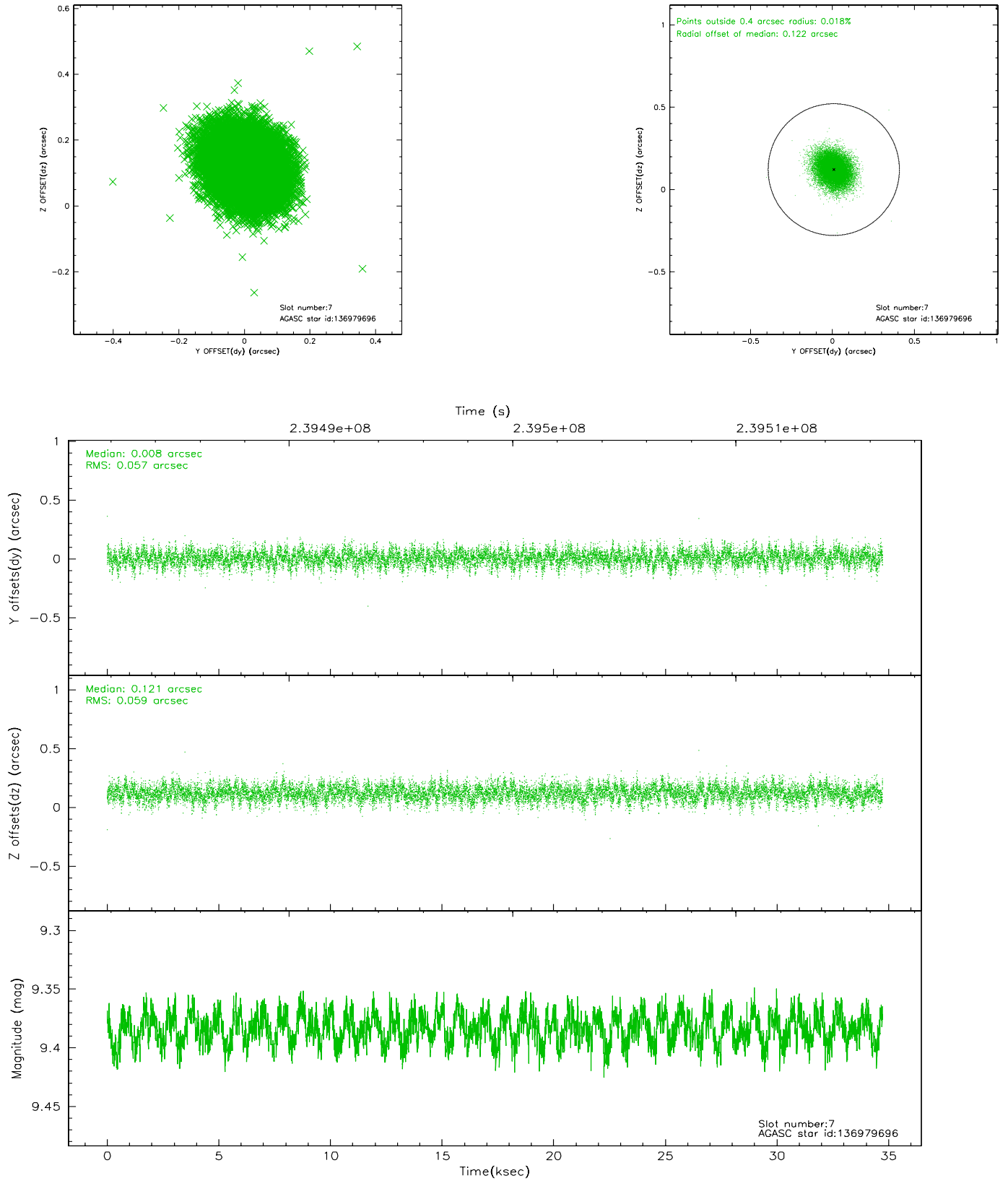
2.4.3 Slot 5



2.4.4 Slot 6

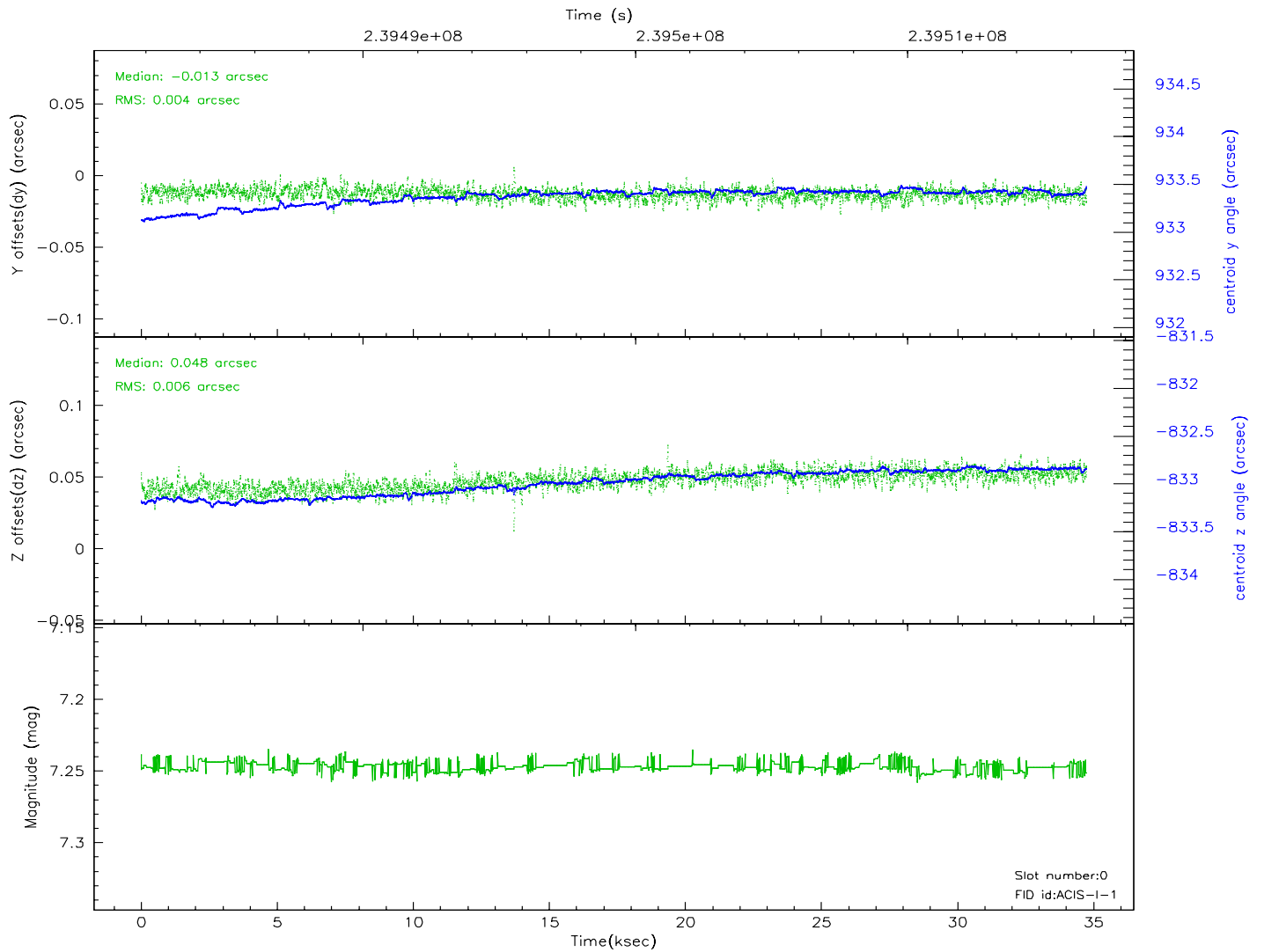
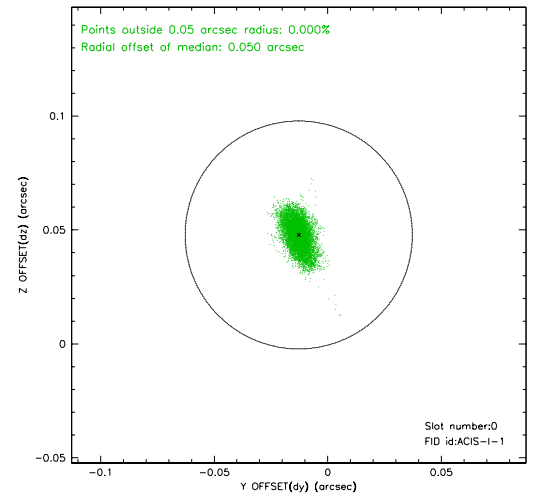
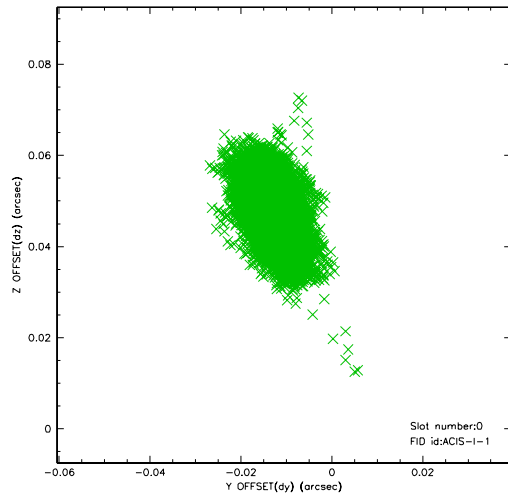


2.4.5 Slot 7

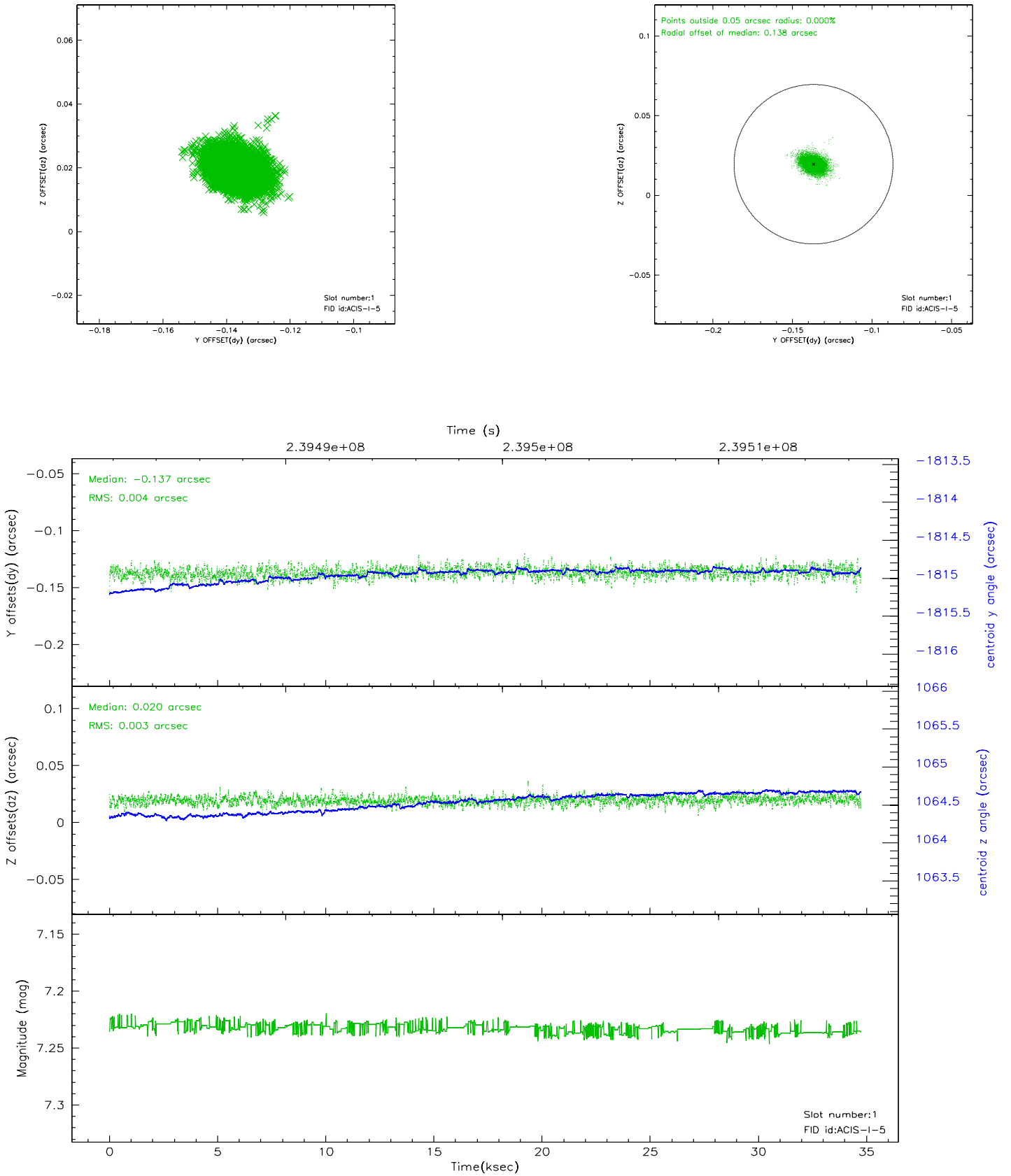


2.5 FID Slots

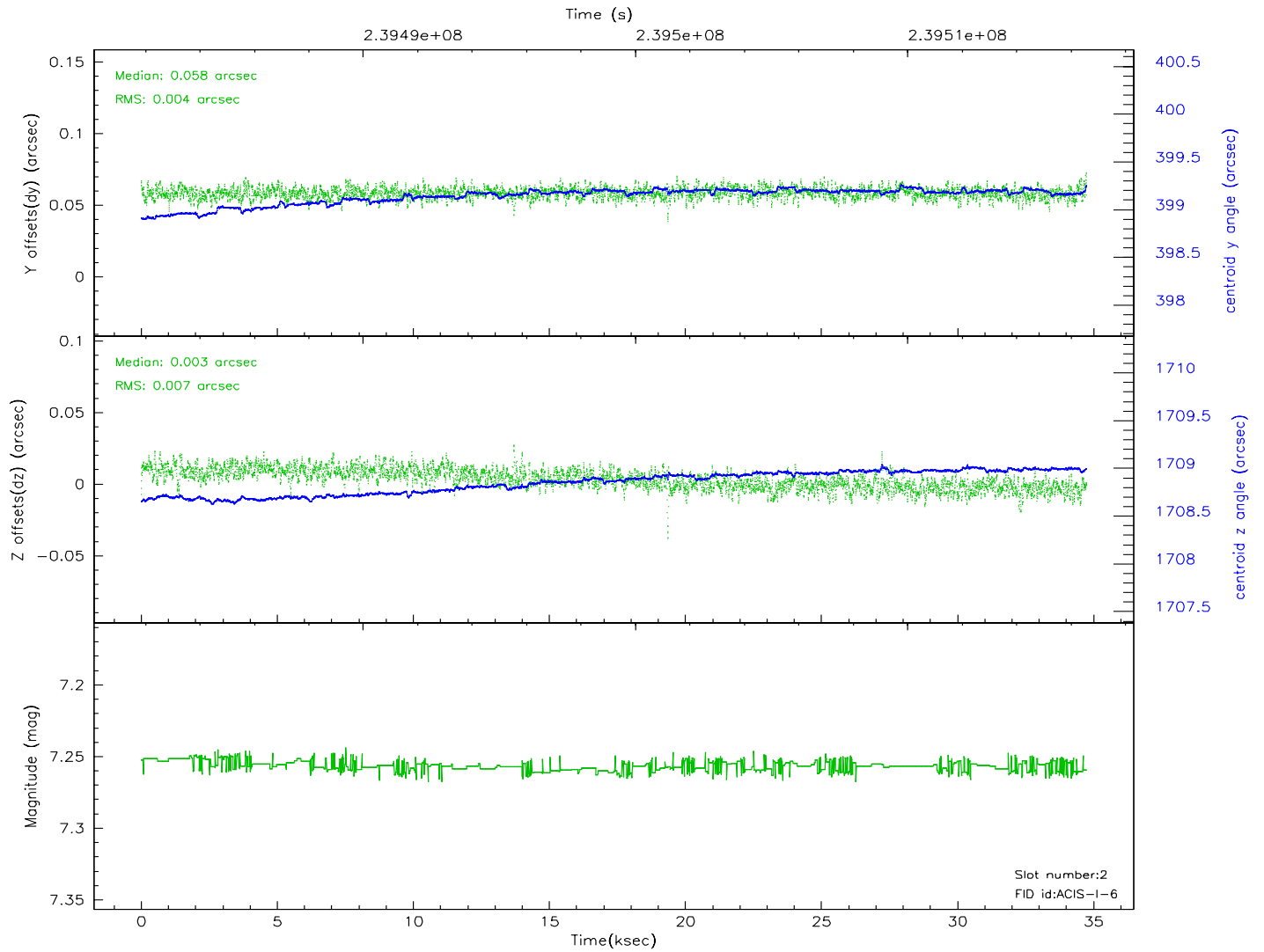
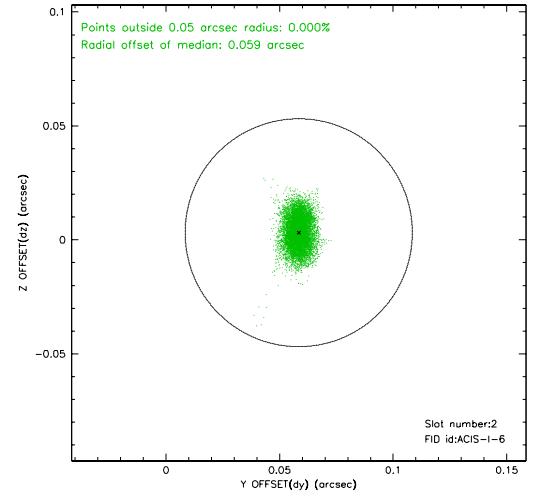
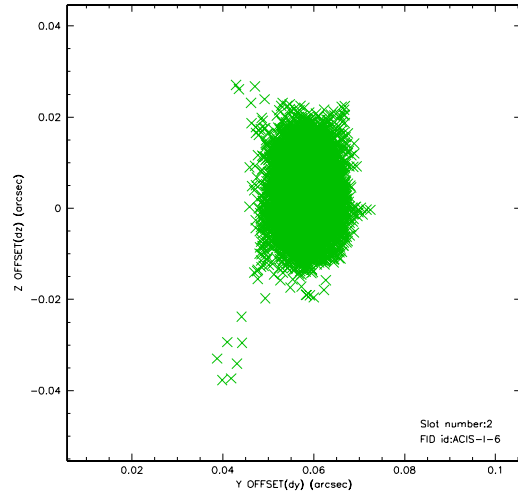
2.5.1 Slot 0



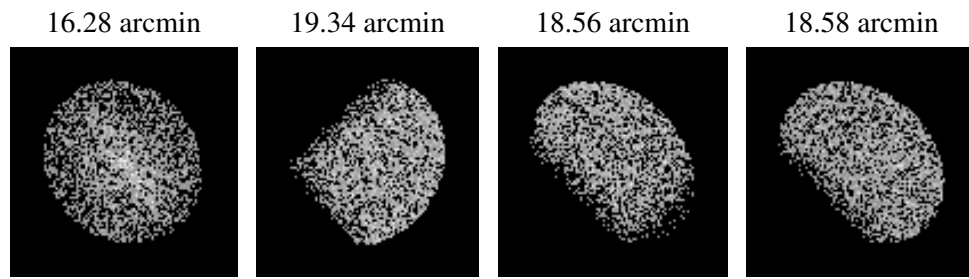
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.9584

A.2 Comments

A small portion of the X-ray-bright nebula appears on the corner of the ACIS I-3 chip. Telemetry did not saturate.

The ACIS focal plane was above calibration temperature limits for the entire observation.