

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 904 - L2 Version 001
Chandra X-Ray Center

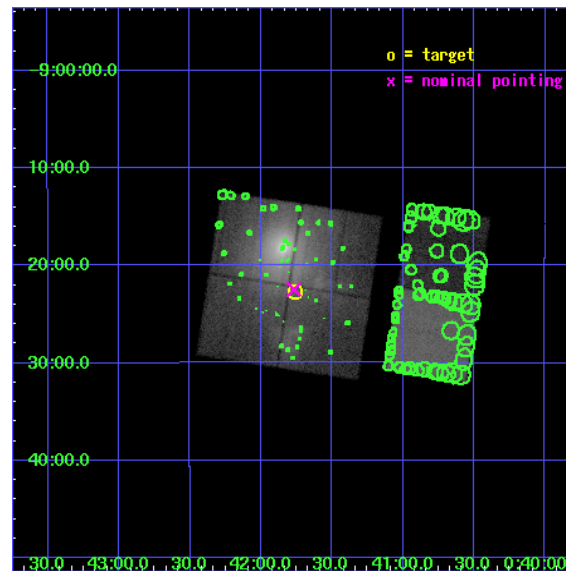
L2 Processing Date : Jun 5 2007

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1 Front

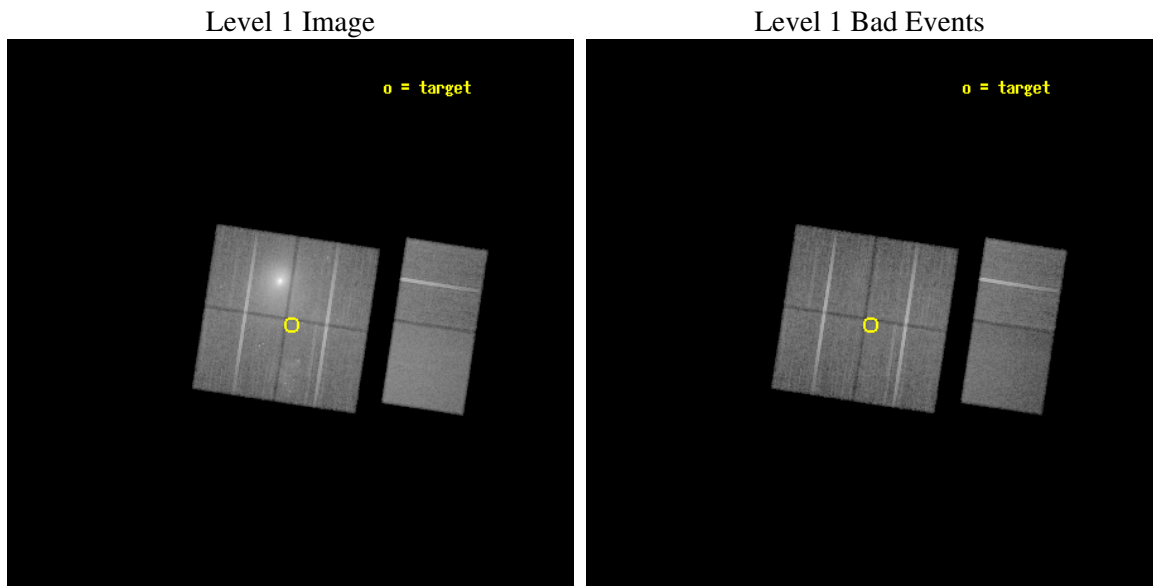
seq_num	800080
obs_id	904
title	SUBCLUSTER MERGERS, RADIO RELICS, AND THE COOLING FLOW IN ABELL 85
observer	Dr. Craig Sarazin
object	A85
dtcycle	0
cycle	P
ra_targ	10.440833
dec_targ	-9.379167
ra_nom	10.44206120775
dec_nom	-9.3744003311289
roll_nom	98.666553732356
revision	2
ontime	38911.91807586
livetime	38419.191939239
ontime0	38915.159066007
ontime1	38915.159066007
ontime2	38918.400036246
ontime3	38911.91807586
ontime6	38918.400036246
ontime7	38911.918095753
l2events	579755



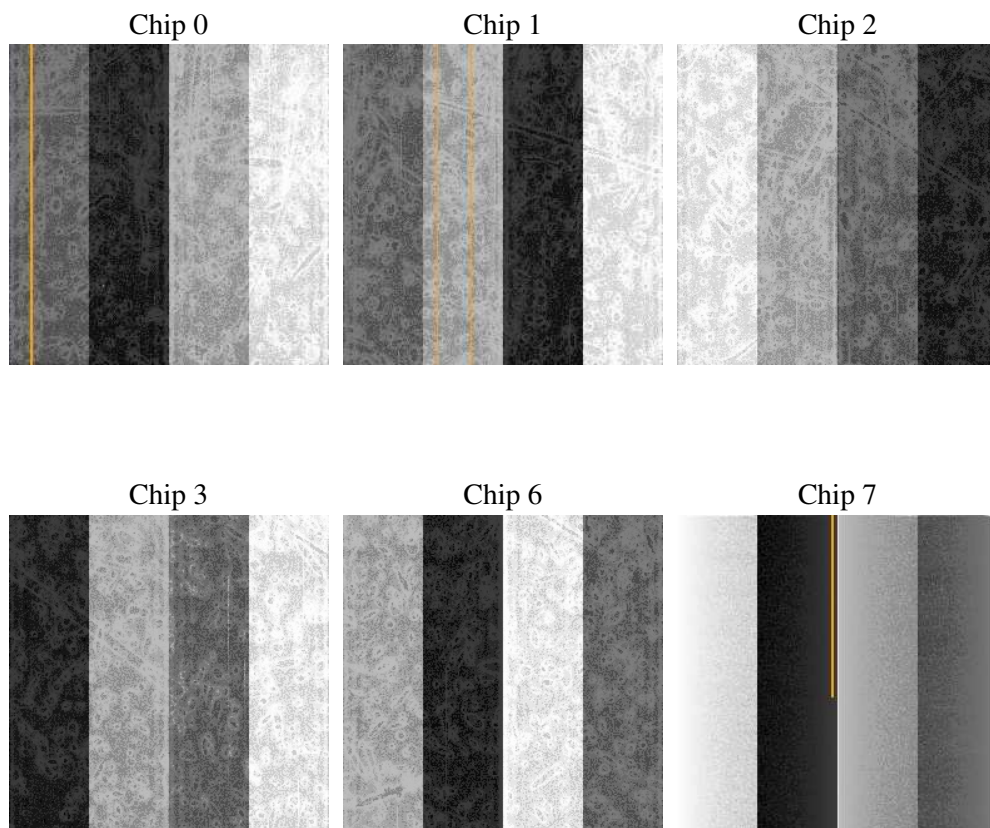
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-05T06:45:43
revision	2

sched_exp_time	38965.000000
ontime	38911.91807586
ontime0	38915.159066007
ontime1	38915.159066007
ontime2	38918.400036246
ontime3	38911.91807586
ontime6	38918.400036246
ontime7	38911.918095753
l1events	1793136

2.1.4 Events

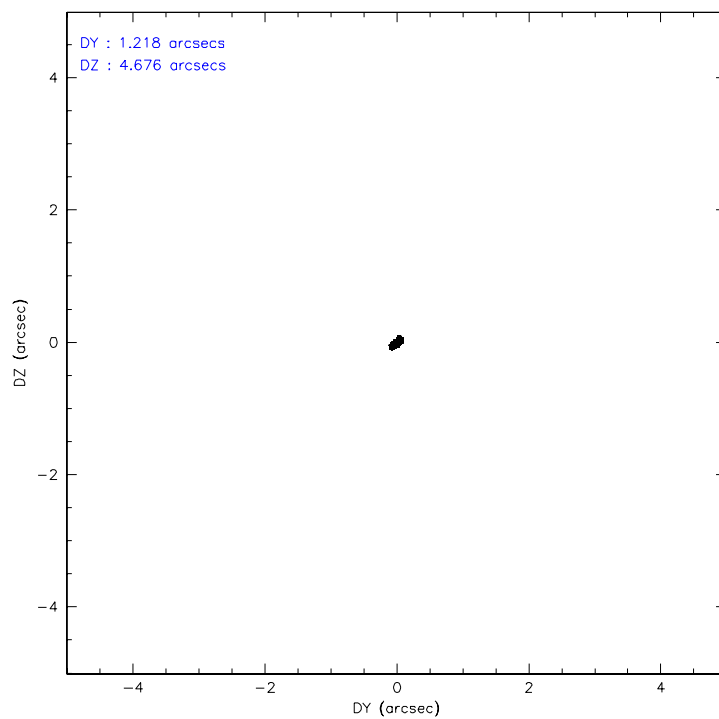
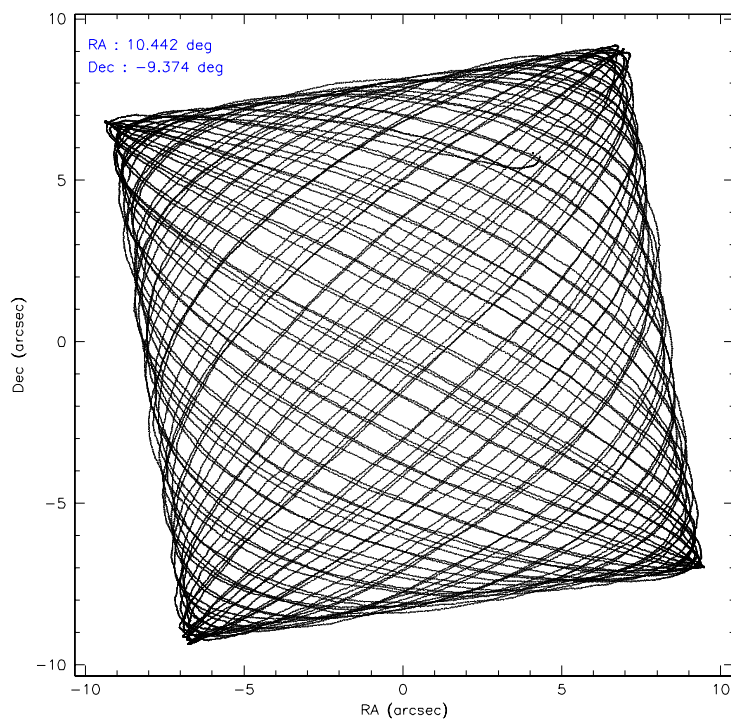
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	444459	245255	313399	260291	243026	286706
rejected events	190353	185816	209990	203656	215176	164993
rejected %	42%	75%	67%	78%	88%	57%

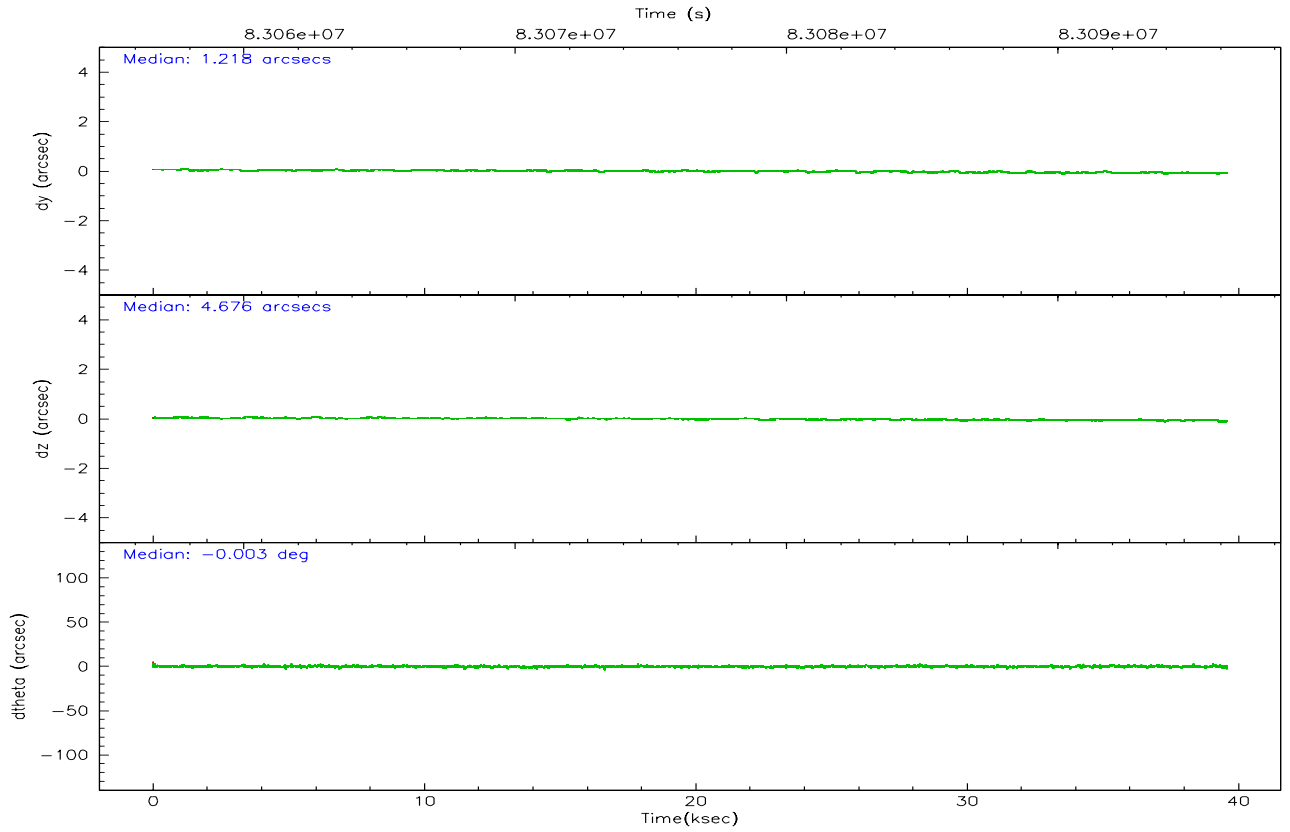
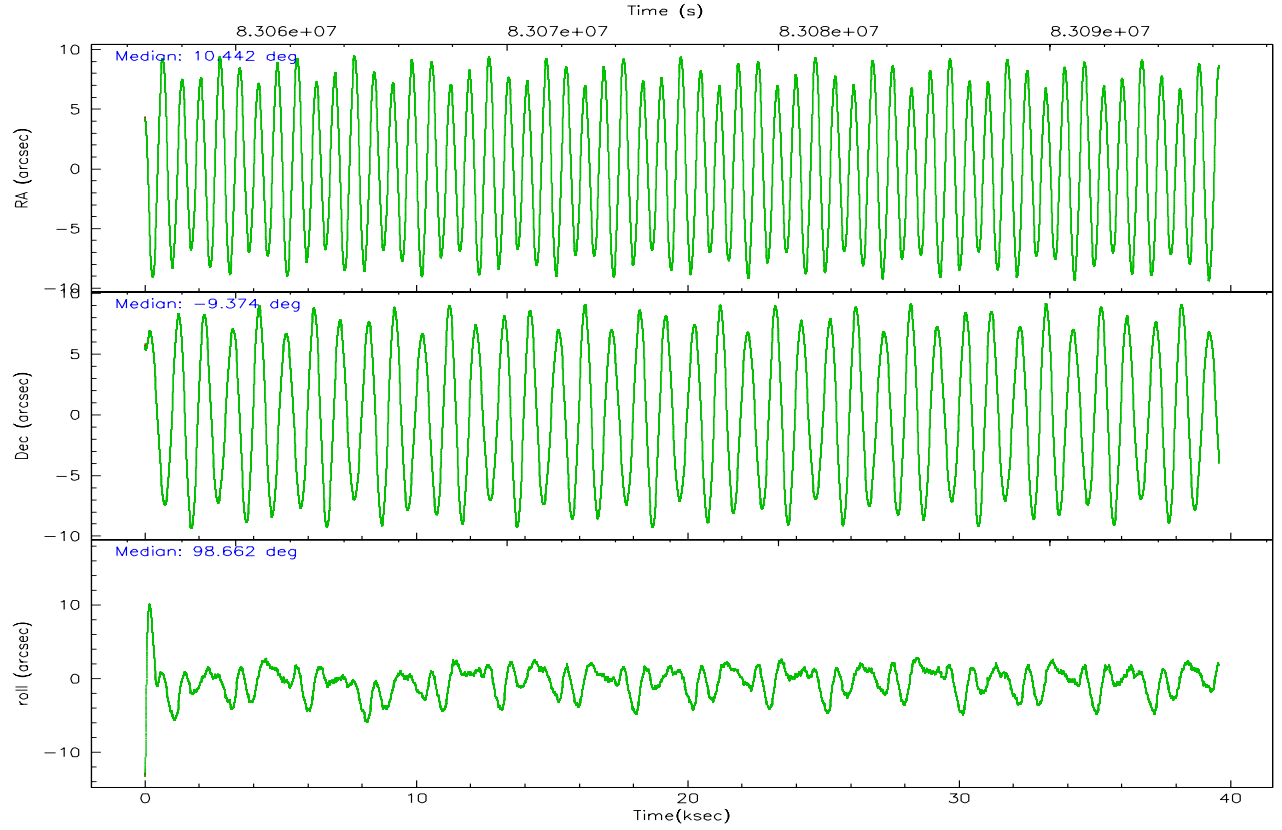
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	198477	37419	75075	37060	12094	12082
	44%	15%	23%	14%	4%	4%
grade 1 events	838	206	349	200	92	242
	0%	0%	0%	0%	0%	0%
grade 2 events	27870	8634	12814	7855	5335	23945
	6%	3%	4%	3%	2%	8%
grade 3 events	8938	3777	4660	3332	2620	11228
	2%	1%	1%	1%	1%	3%
grade 4 events	9098	3778	4617	3299	2681	11041
	2%	1%	1%	1%	1%	3%
grade 5 events	8593	8512	7709	8460	9494	27445
	1%	3%	2%	3%	3%	9%
grade 6 events	9765	5838	6261	5113	5130	63436
	2%	2%	1%	1%	2%	22%
grade 7 events	180880	177091	201914	194972	205580	137287
	40%	72%	64%	74%	84%	47%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	10.459414	10.44206120775011	Subarray requested	NONE	NONE
Pointing Dec	-9.395985	-9.374400331128903	Alternating exposures requested	N	N
Pointing Roll	98.460700	98.66655373235577	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5899487761303			
SIM translation stage offset (mm)	0	-0.002504226799430853			
Observation start time	83057273.184000	83056012.16042399			
Observation start date	2000-08-19T07:26:49	2000-08-19T07:06:52			
Observation end time	83096238.184000	83097001.39946			
Observation end date	2000-08-19T18:16:14	2000-08-19T18:30:01			
Read mode	TIMED	TIMED			

2.3 Aspect



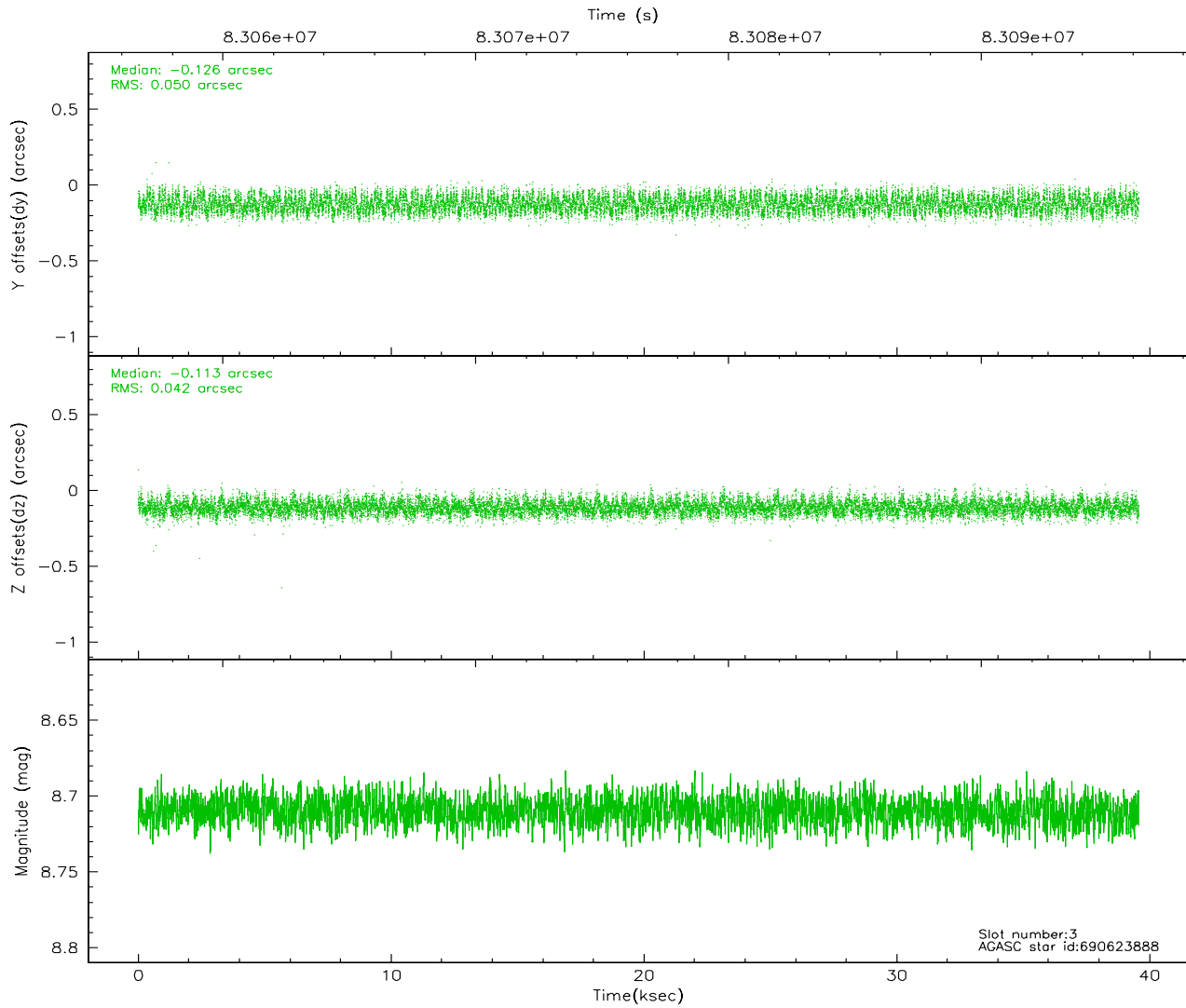
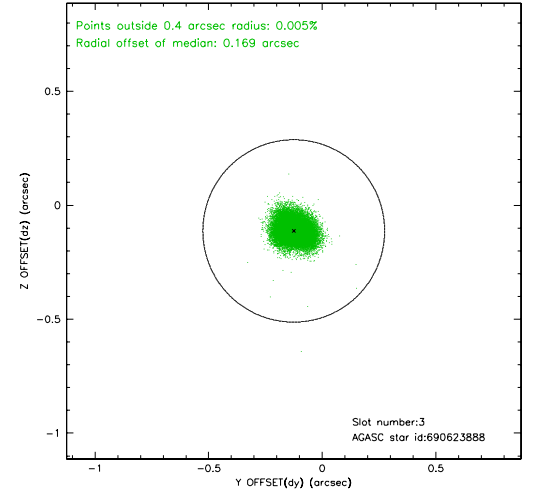
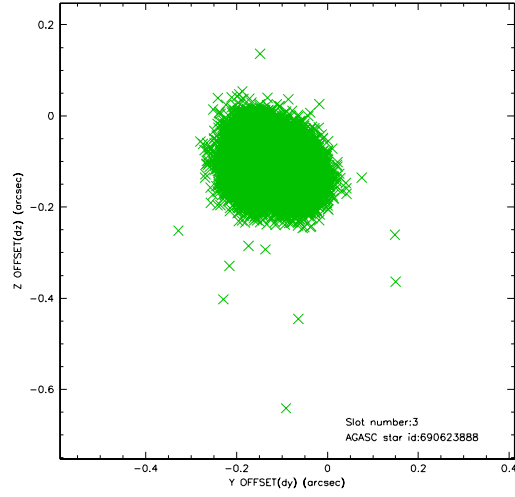


Slot Statistics

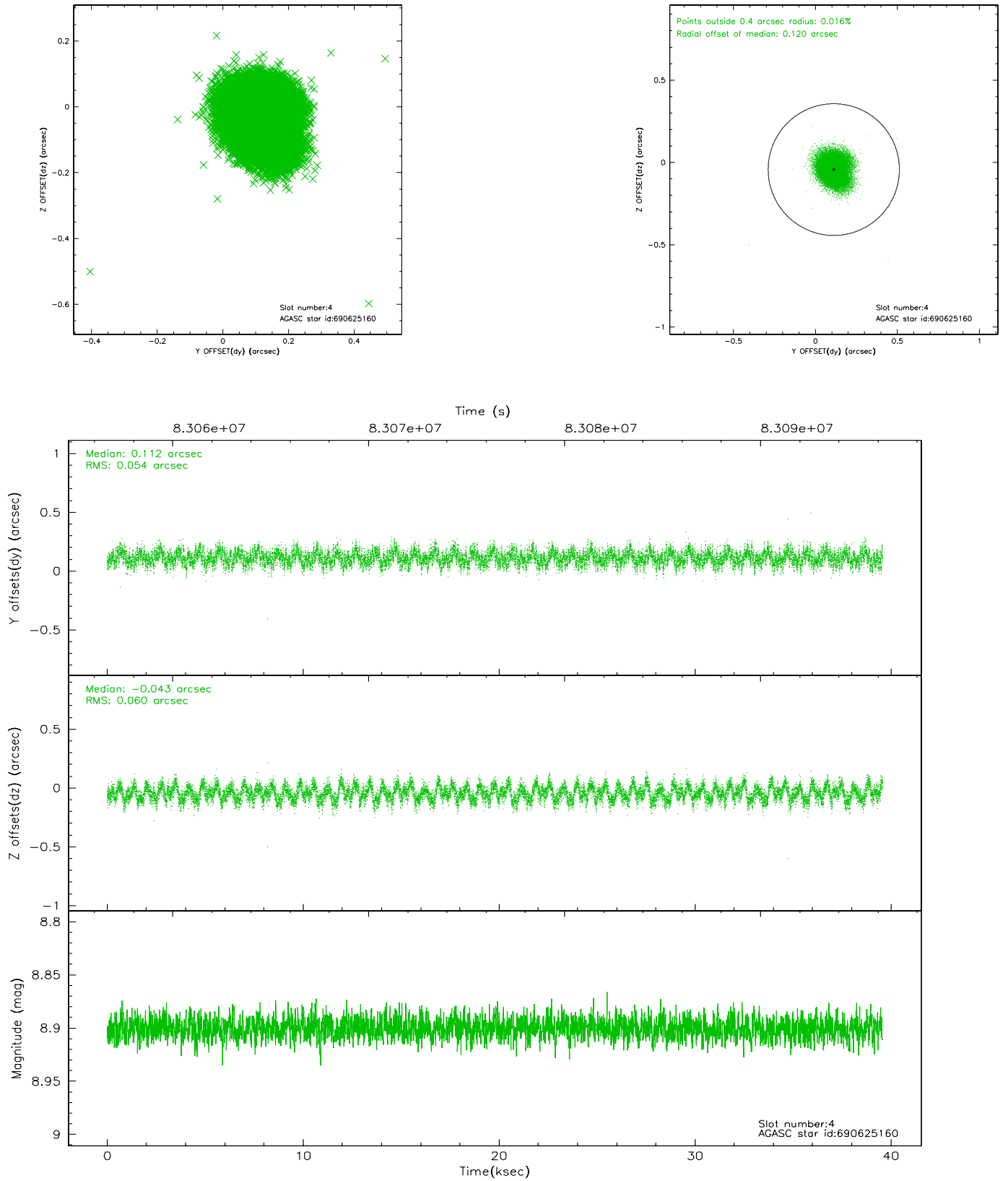
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	9651	-0.028	0.020	0.006	0.010	0.000000	0.000000	-755.56	-834.30
1	FID	ACIS-I-4	7.19	9652	-0.065	0.024	0.007	0.012	0.000000	0.000000	2158.43	1071.89
2	FID	ACIS-I-6	7.27	9653	-0.006	0.020	0.009	0.016	0.000000	0.000000	404.54	1714.08
3	GUIDE	690623888	8.71	19302	-0.126	-0.113	0.070	0.109	10.089843	-9.212040	847.29	1201.80
4	GUIDE	690625160	8.90	19298	0.112	-0.043	0.087	0.135	10.224219	-9.960066	-1886.16	1123.76
5	GUIDE	690632656	9.26	19298	0.031	-0.049	0.064	0.105	10.397747	-9.674983	-961.42	364.35
6	GUIDE	690623960	9.32	19301	-0.014	0.052	0.076	0.125	10.570675	-9.168103	753.16	-511.51
7	GUIDE	690635712	9.43	19290	-0.006	0.154	0.086	0.143	10.993747	-9.443521	-449.77	-1851.23

2.4 Star Slots

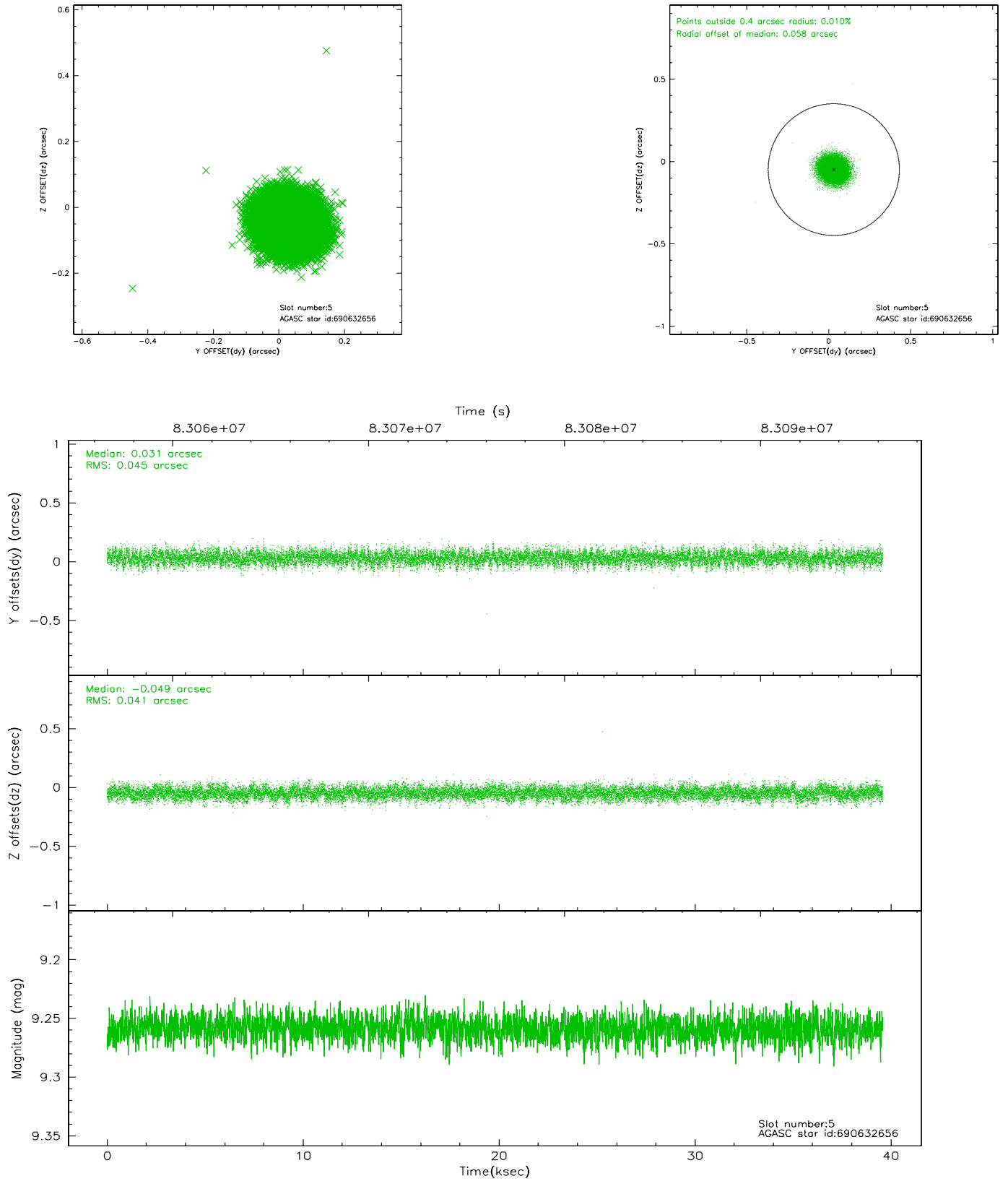
2.4.1 Slot 3



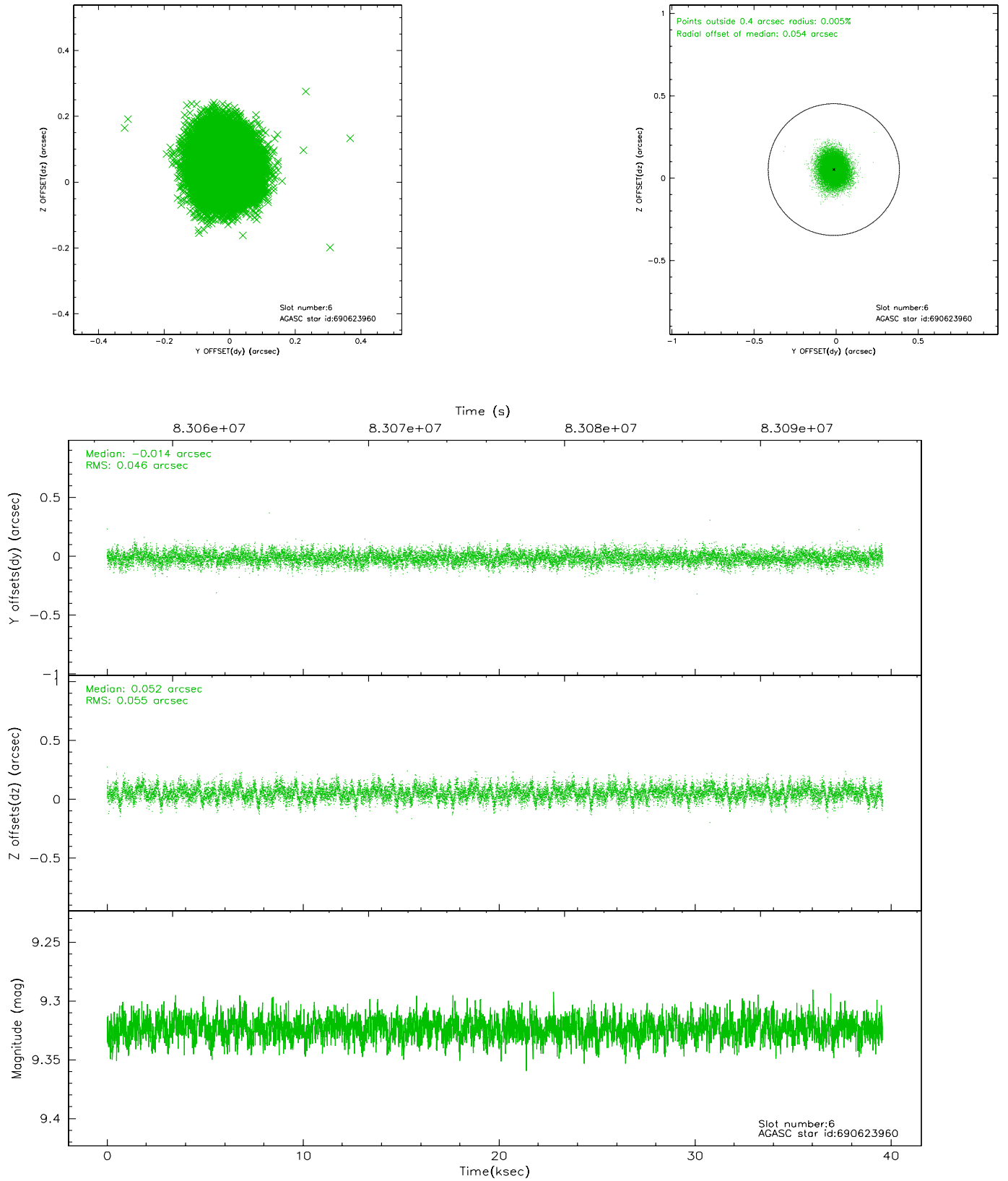
2.4.2 Slot 4



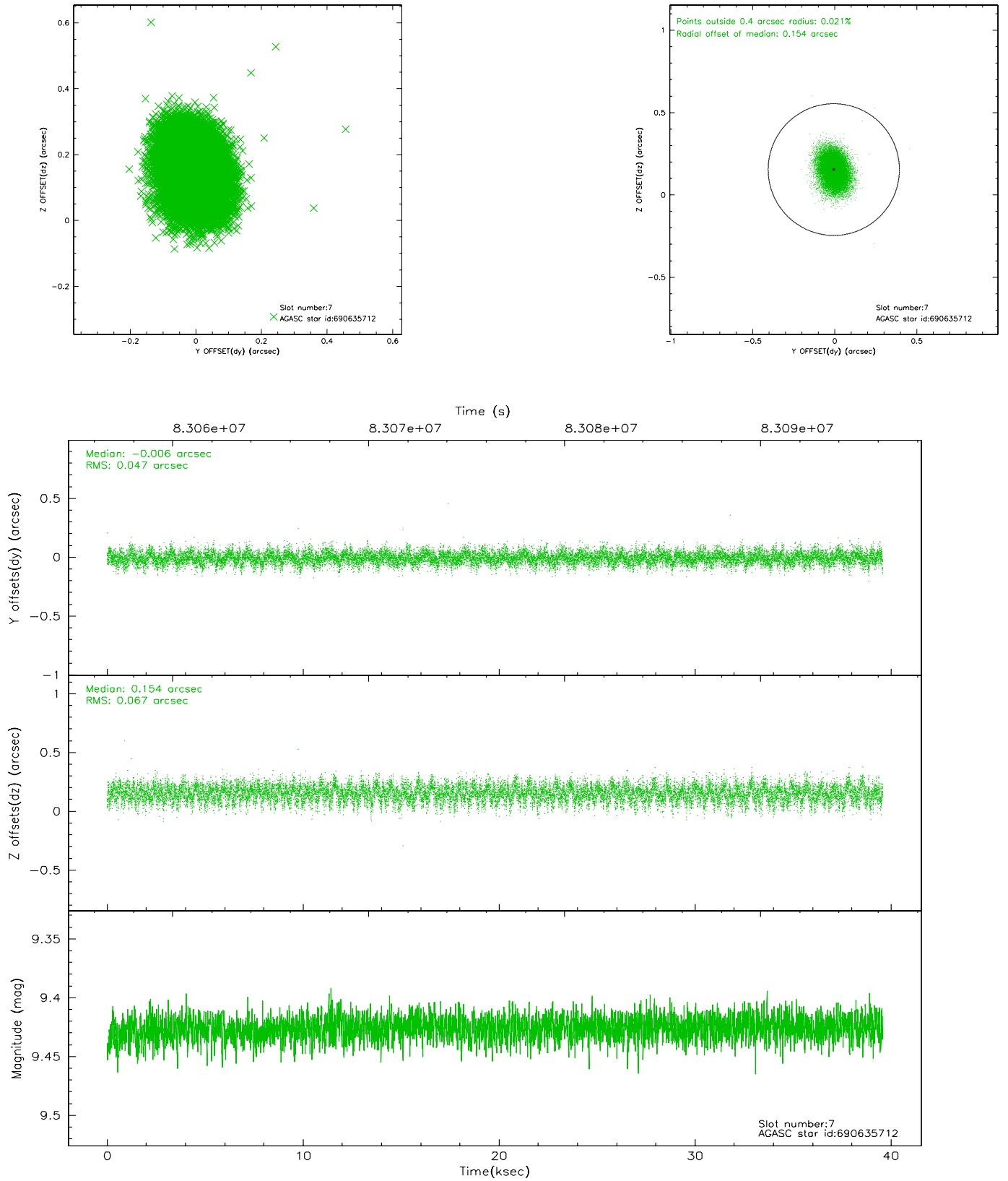
2.4.3 Slot 5



2.4.4 Slot 6

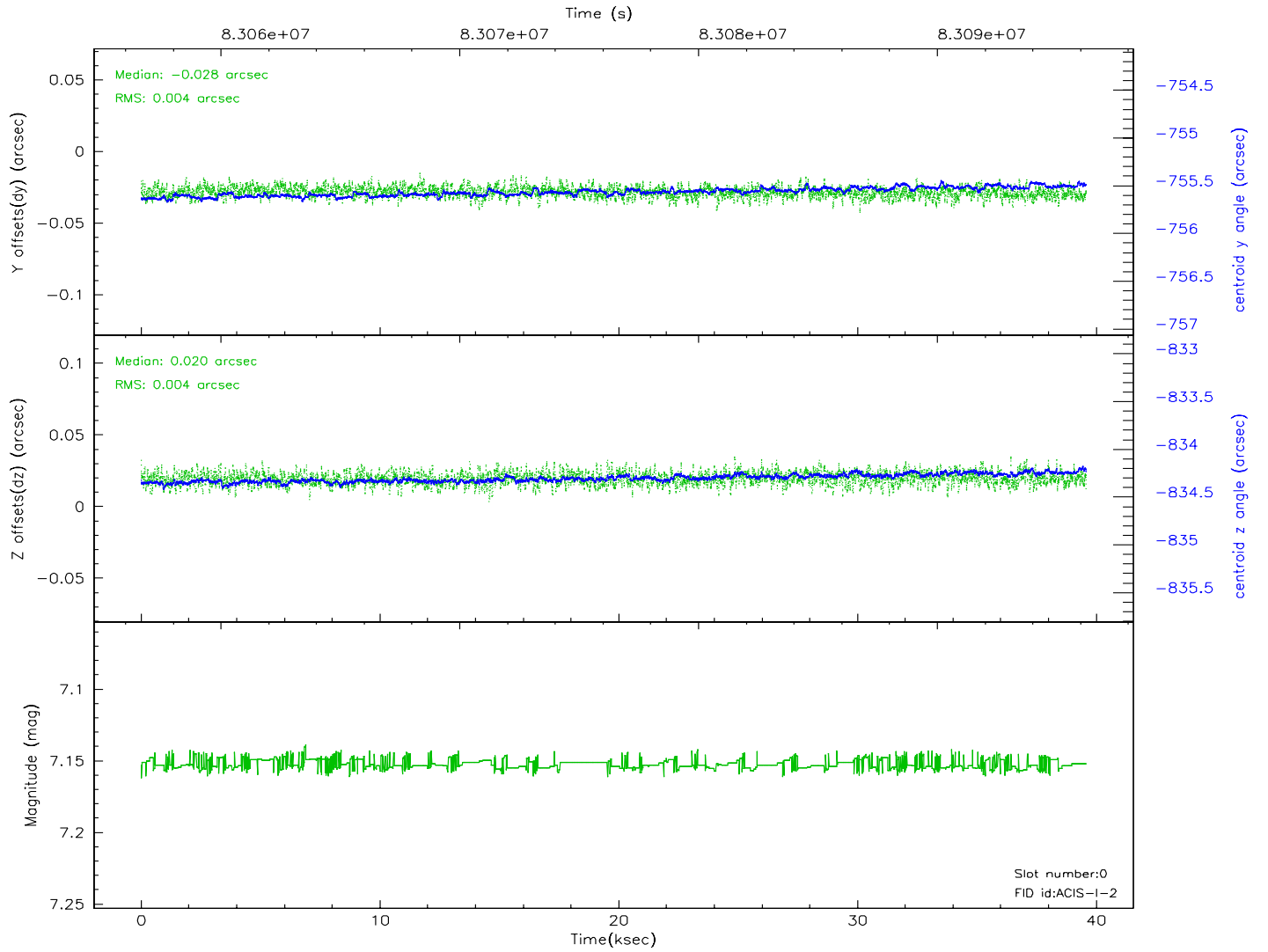
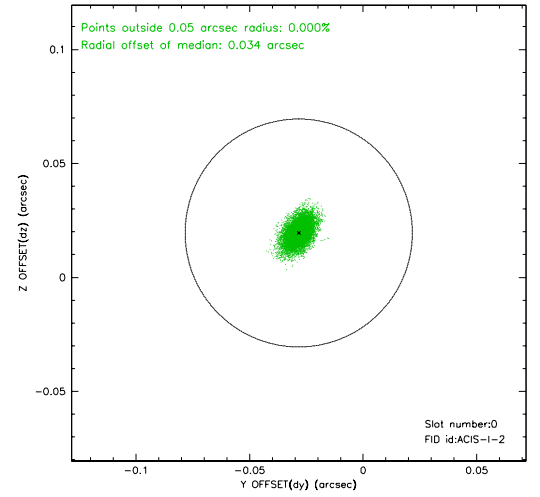
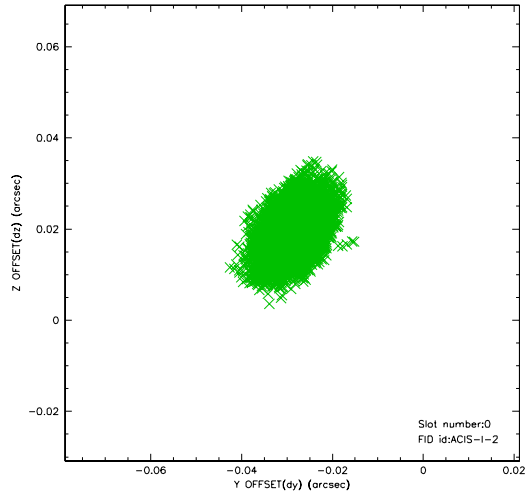


2.4.5 Slot 7

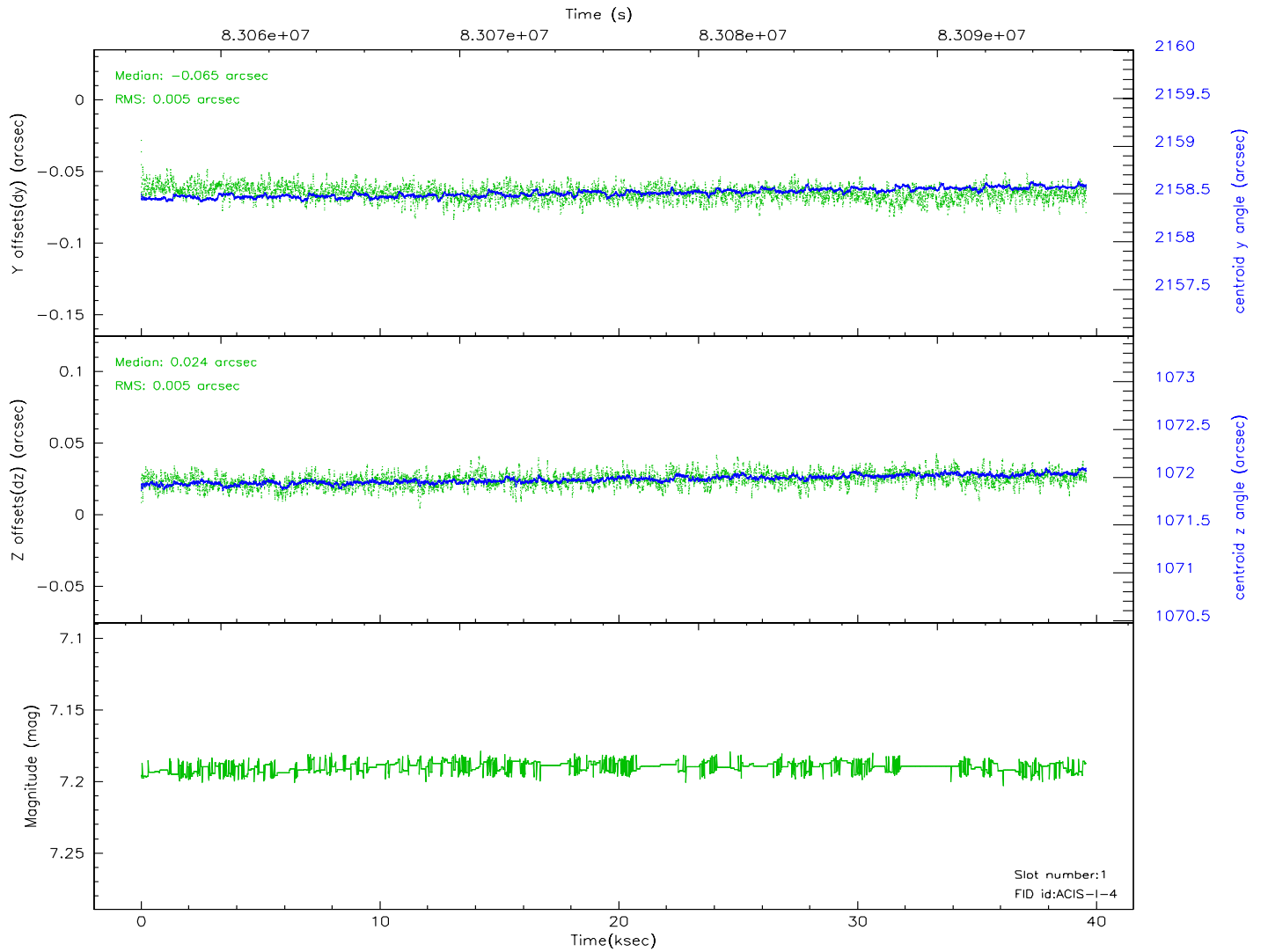
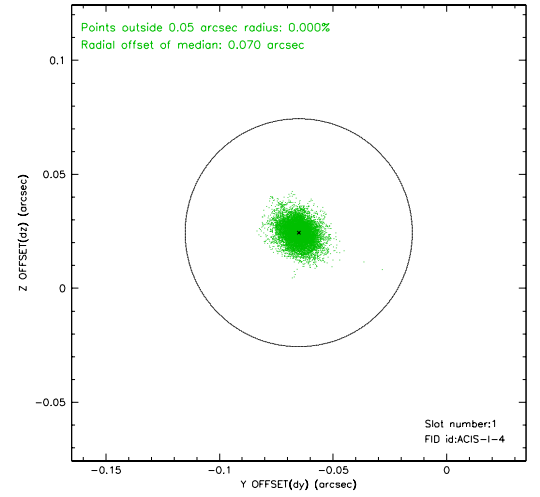
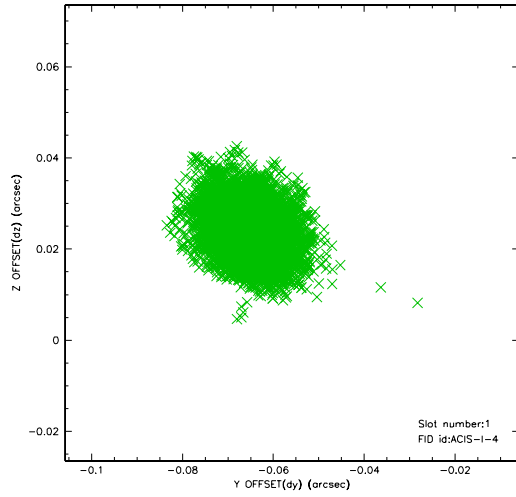


2.5 FID Slots

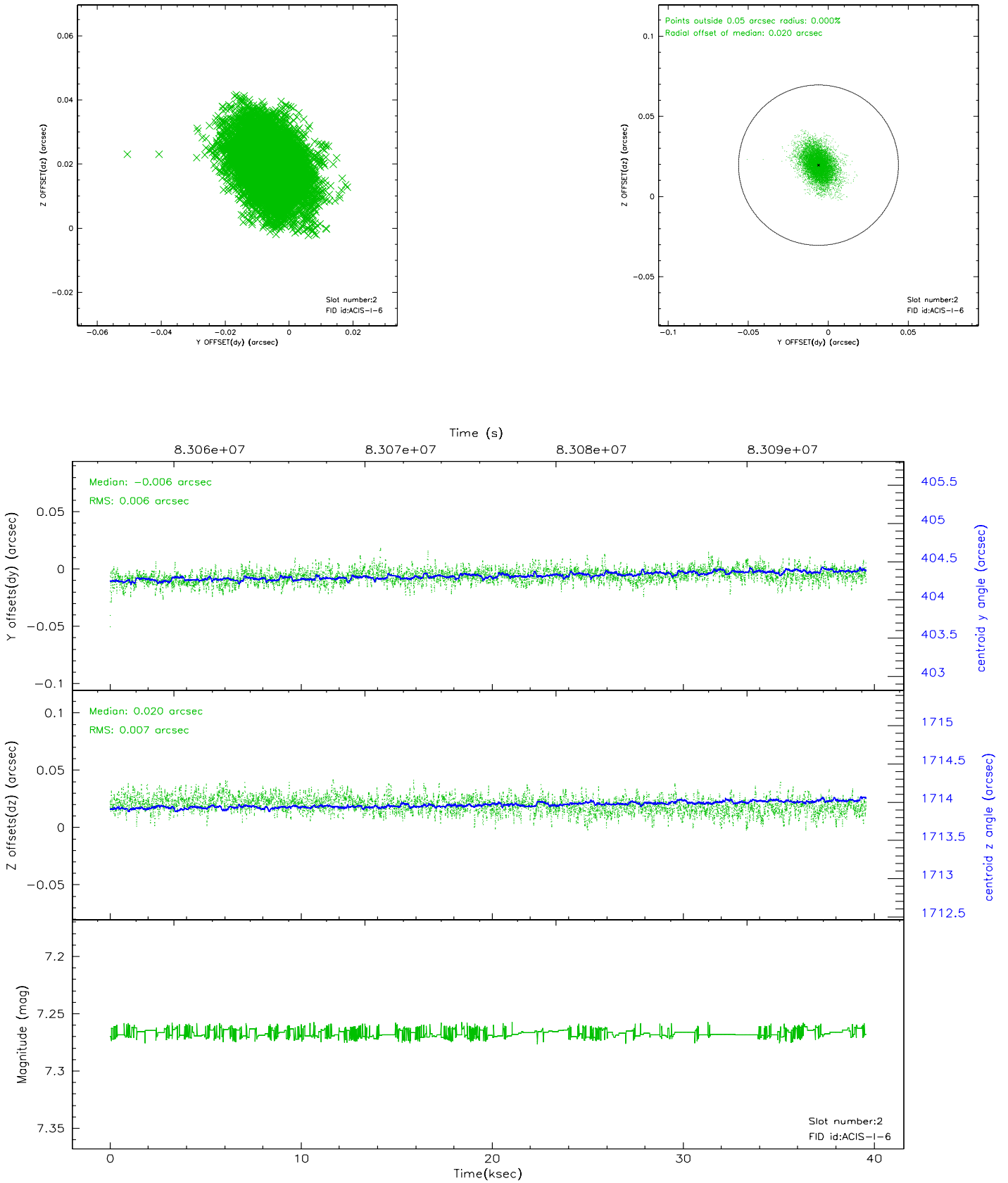
2.5.1 Slot 0



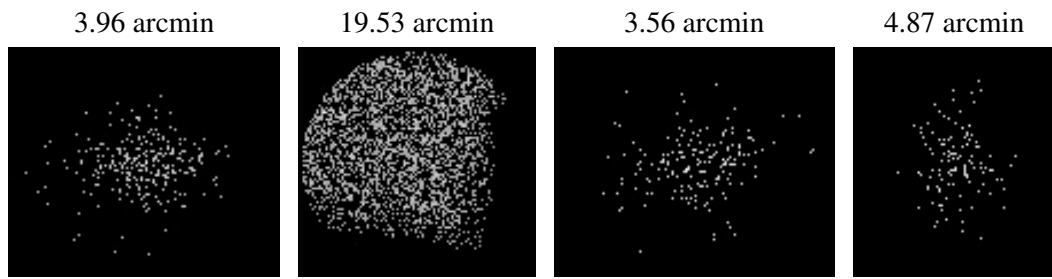
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.915

A.2 Comments