

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5165 - L2 Version 002
Chandra X-Ray Center

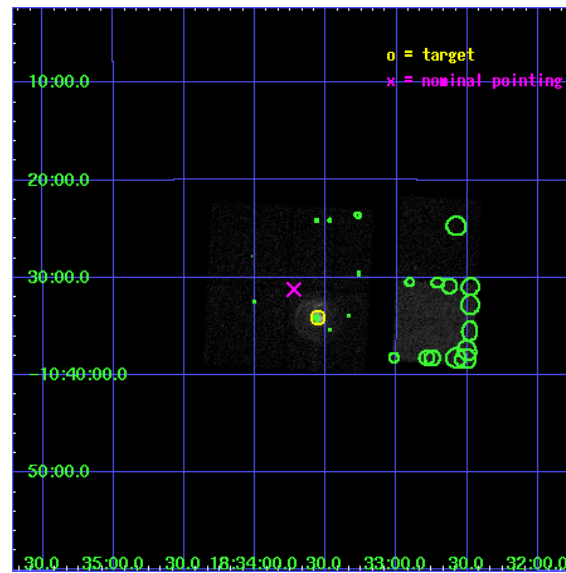
L2 Processing Date : Jun 1 2006

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1 Front

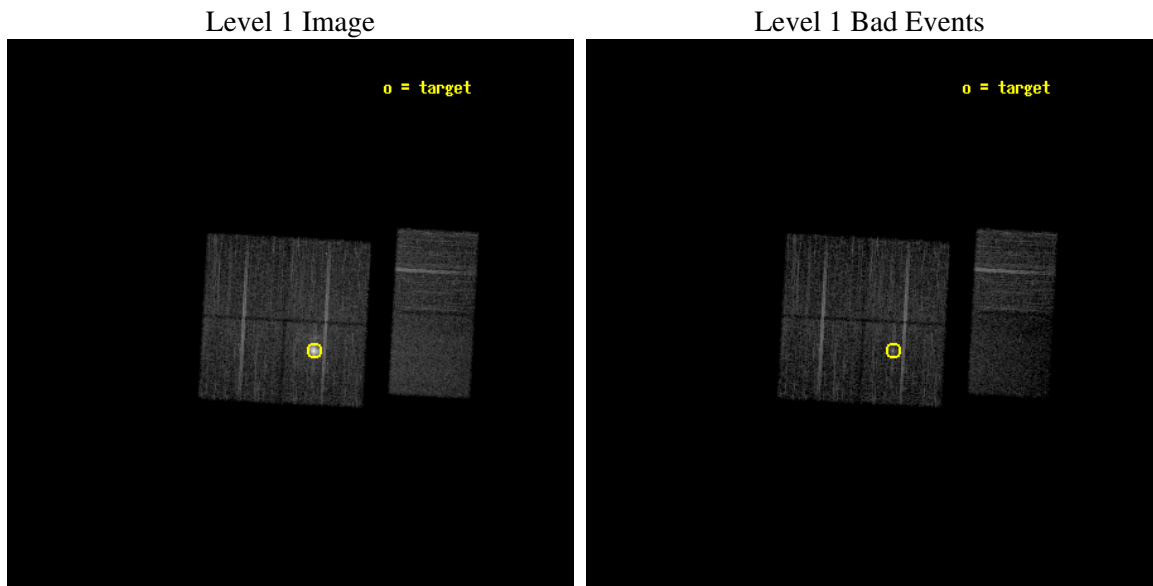
seq_num	590363
obs_id	5165
title	AO5A Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	G21.5-09[I3,-120,-2.5,2.5,0]
dtcycle	0
cycle	P
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.43137307289
dec_nom	-10.52046728073
roll_nom	93.094416551286
revision	4
ontime	9676.7999639511
livetime	9554.2664961382
ontime0	9676.7999639511
ontime1	9676.7999639511
ontime2	9676.7999639511
ontime3	9676.7999639511
ontime6	9676.7999639511
ontime7	9676.7999639511
l2events	73197



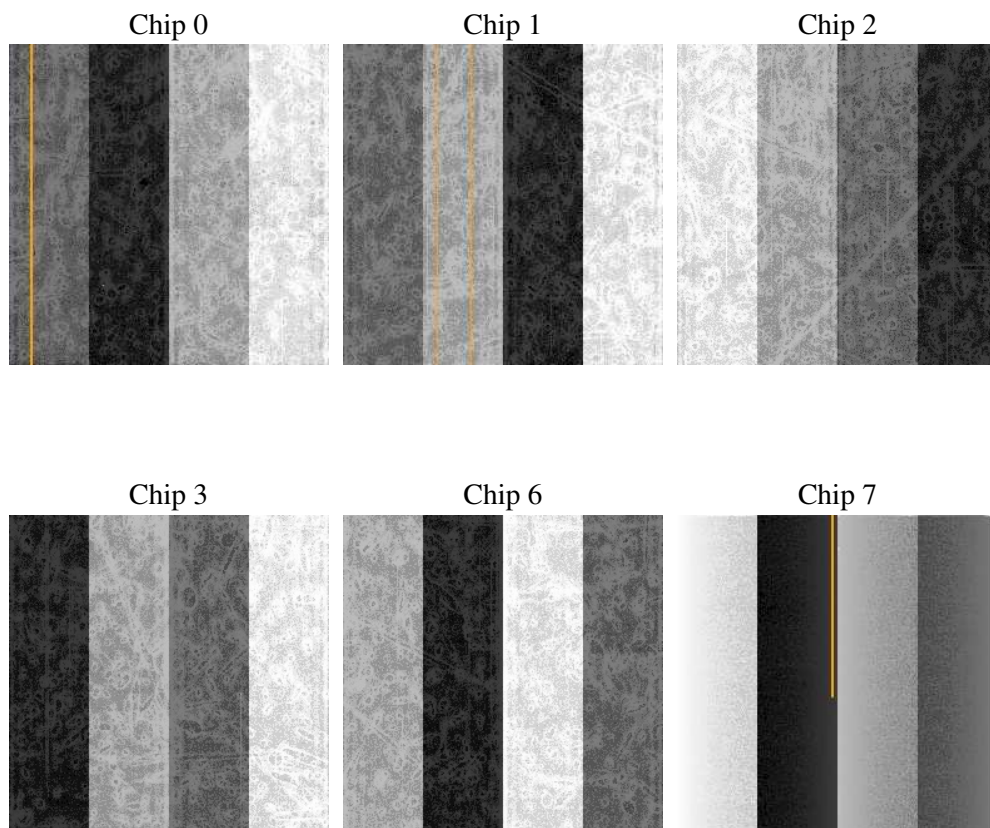
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-01T17:24:24
revision	4

sched_exp_time	9540.231000
ontime	9865.6167435944
ontime0	9865.6167735159
ontime1	9865.6167435944
ontime2	9865.6167435944
ontime3	9865.6167435944
ontime6	9865.6167735159
ontime7	9865.6167735159
l1events	341584

2.1.4 Events

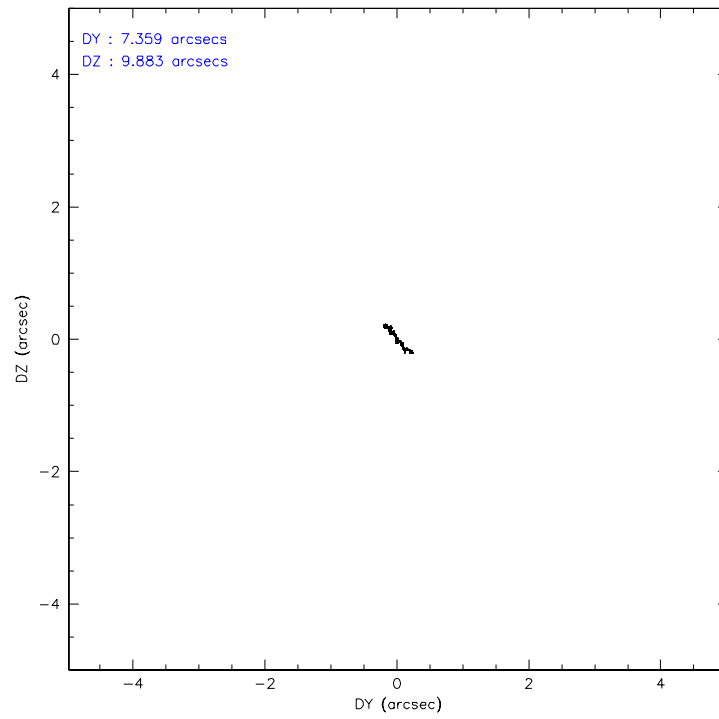
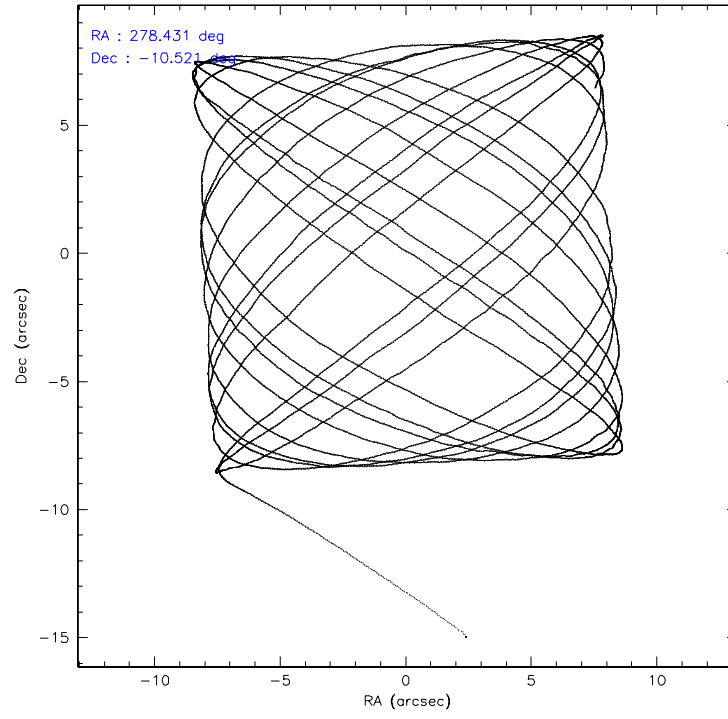
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	48381	49595	55964	82078	55252	50314
rejected events	42946	43669	49765	47578	49668	27823
rejected %	88%	88%	88%	57%	89%	55%

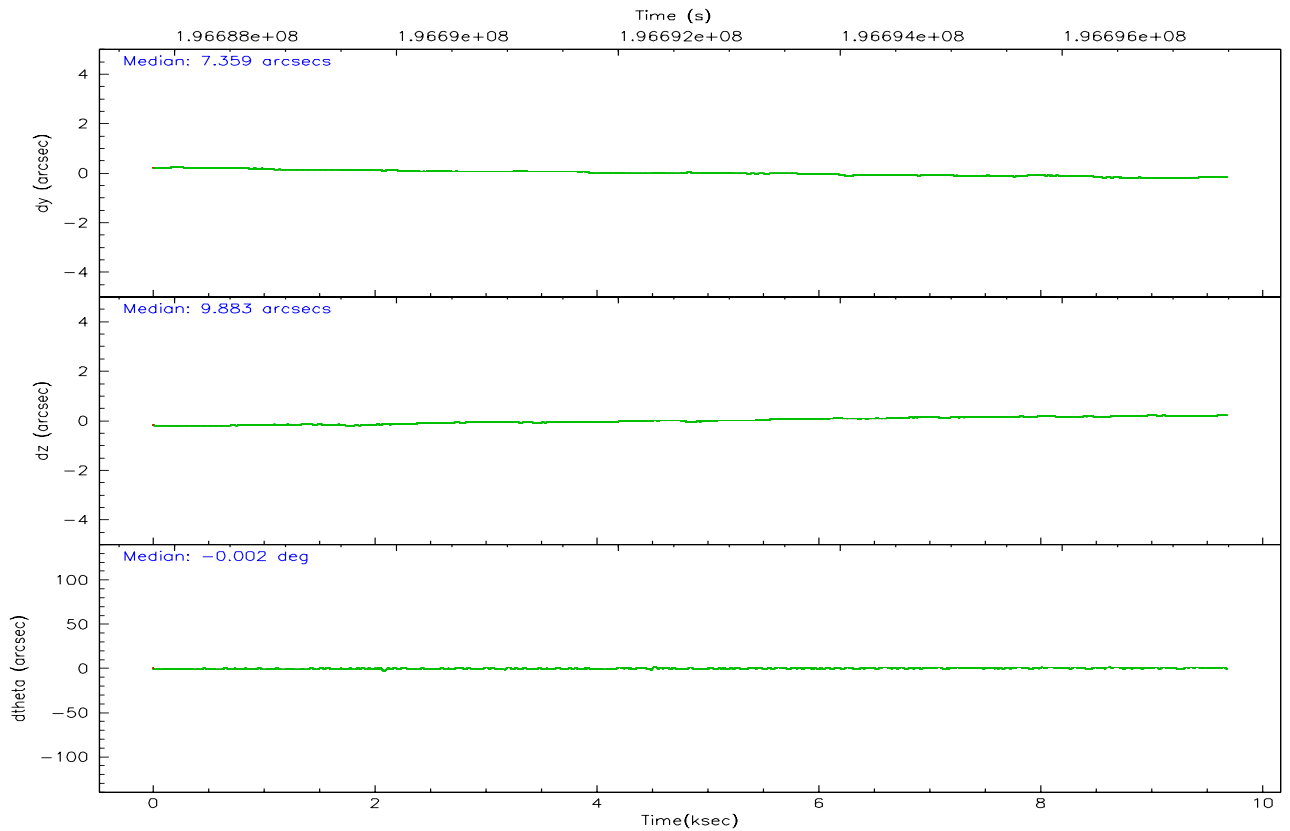
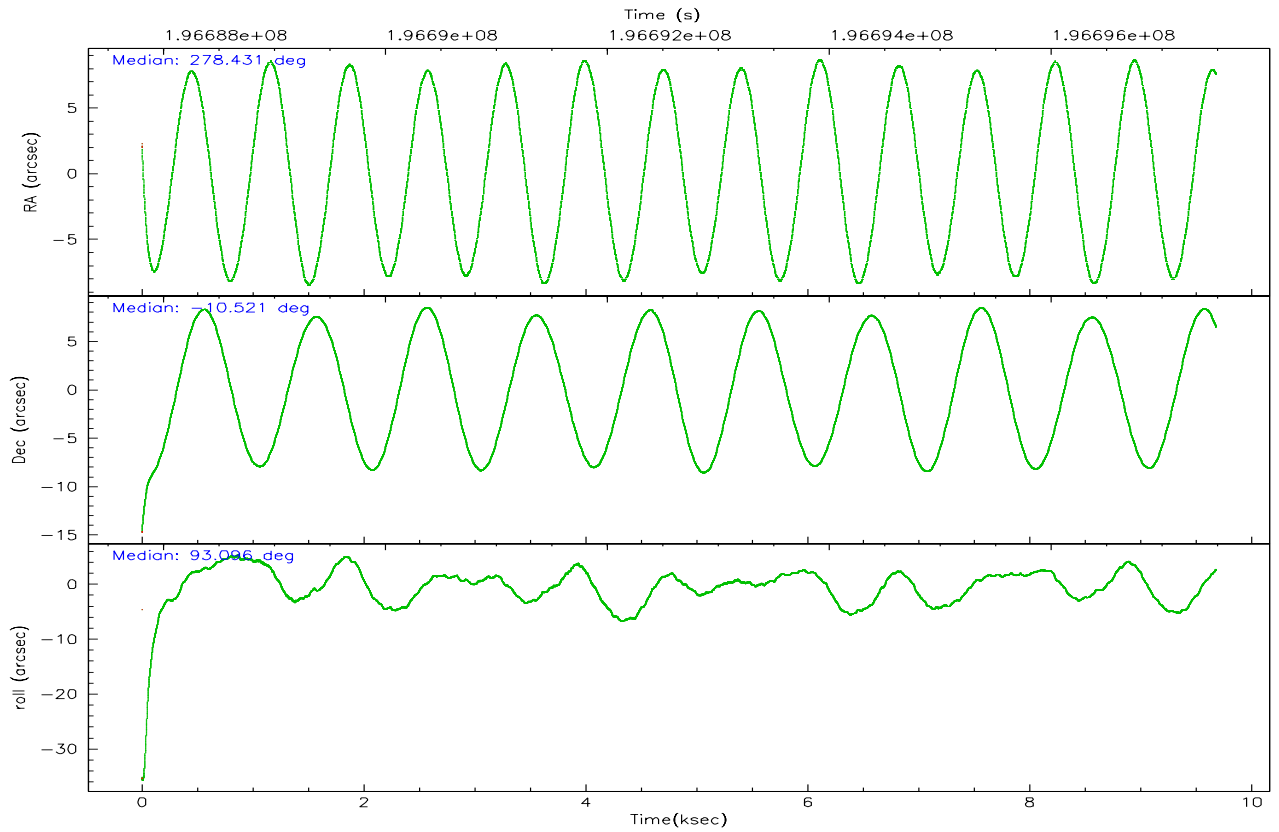
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2110	2335	2800	24212	2195	1531
	4%	4%	5%	29%	3%	3%
grade 1 events	20	21	36	258	19	30
	0%	0%	0%	0%	0%	0%
grade 2 events	1228	1255	1301	4825	1226	5866
	2%	2%	2%	5%	2%	11%
grade 3 events	639	725	625	1925	618	1513
	1%	1%	1%	2%	1%	3%
grade 4 events	556	668	635	1817	599	1391
	1%	1%	1%	2%	1%	2%
grade 5 events	1569	1660	1466	1945	1792	4094
	3%	3%	2%	2%	3%	8%
grade 6 events	1005	1093	933	2343	1067	12650
	2%	2%	1%	2%	1%	25%
grade 7 events	41254	41838	48168	44753	47736	23239
	85%	84%	86%	54%	86%	46%

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	278.446683	278.4313730728898	Alternating exposures requested	N	N
Pointing Dec	-10.543341	-10.52046728073026	Primary exposure time	0.000000	3.2
Pointing Roll	92.888568	93.09441655128599			
Window start time	194486464.184000	194486464.184000			
Window stop time	197078464.184000	197078464.184000			
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	196687951.184000	196686809.54588			
Observation start date	2004-03-26T11:31:27	2004-03-26T11:13:29			
Observation end time	196697491.184000	196697805.74636			
Observation end date	2004-03-26T14:10:27	2004-03-26T14:16:45			
Read mode	TIMED	TIMED			

2.3 Aspect



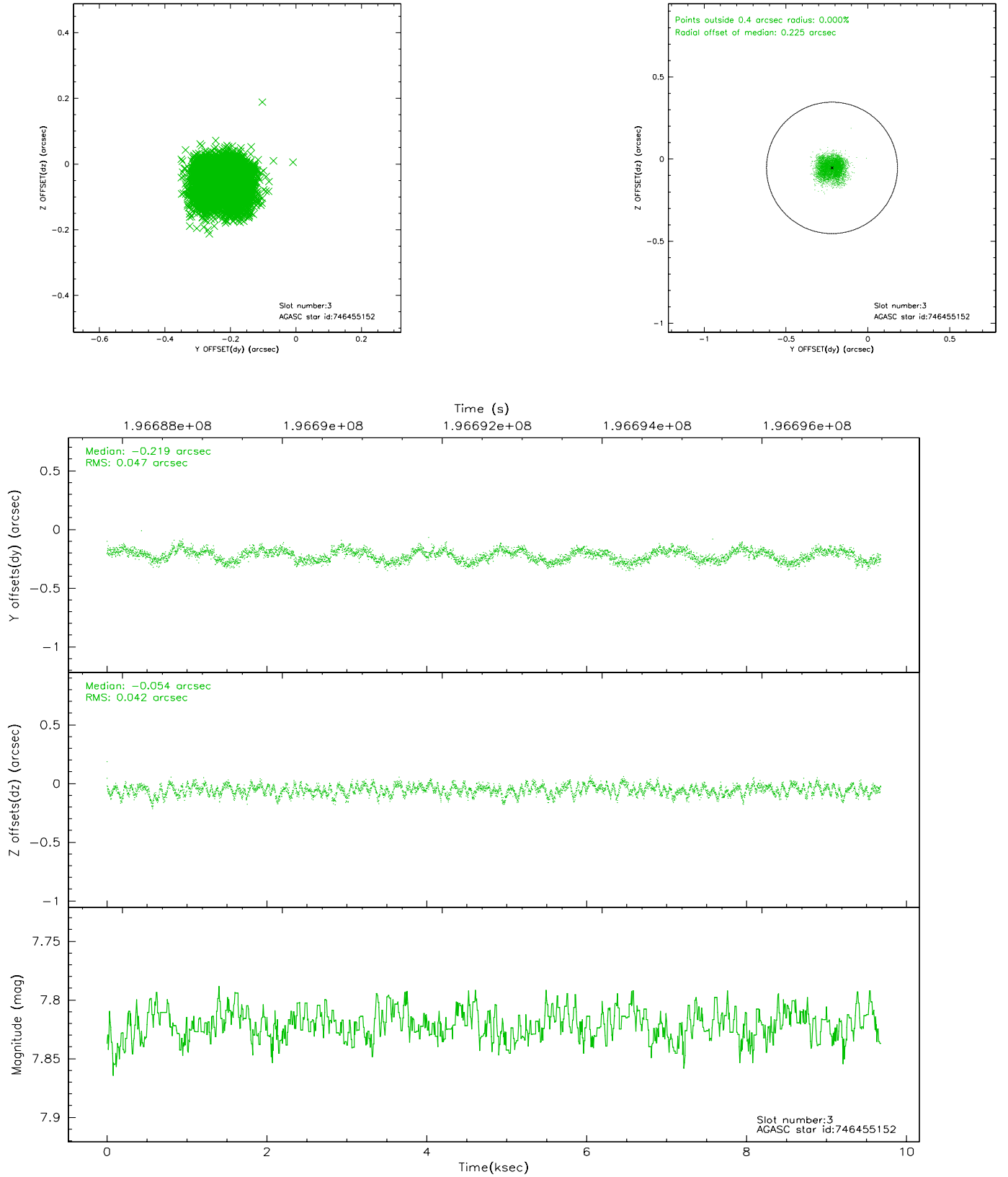


Slot Statistics

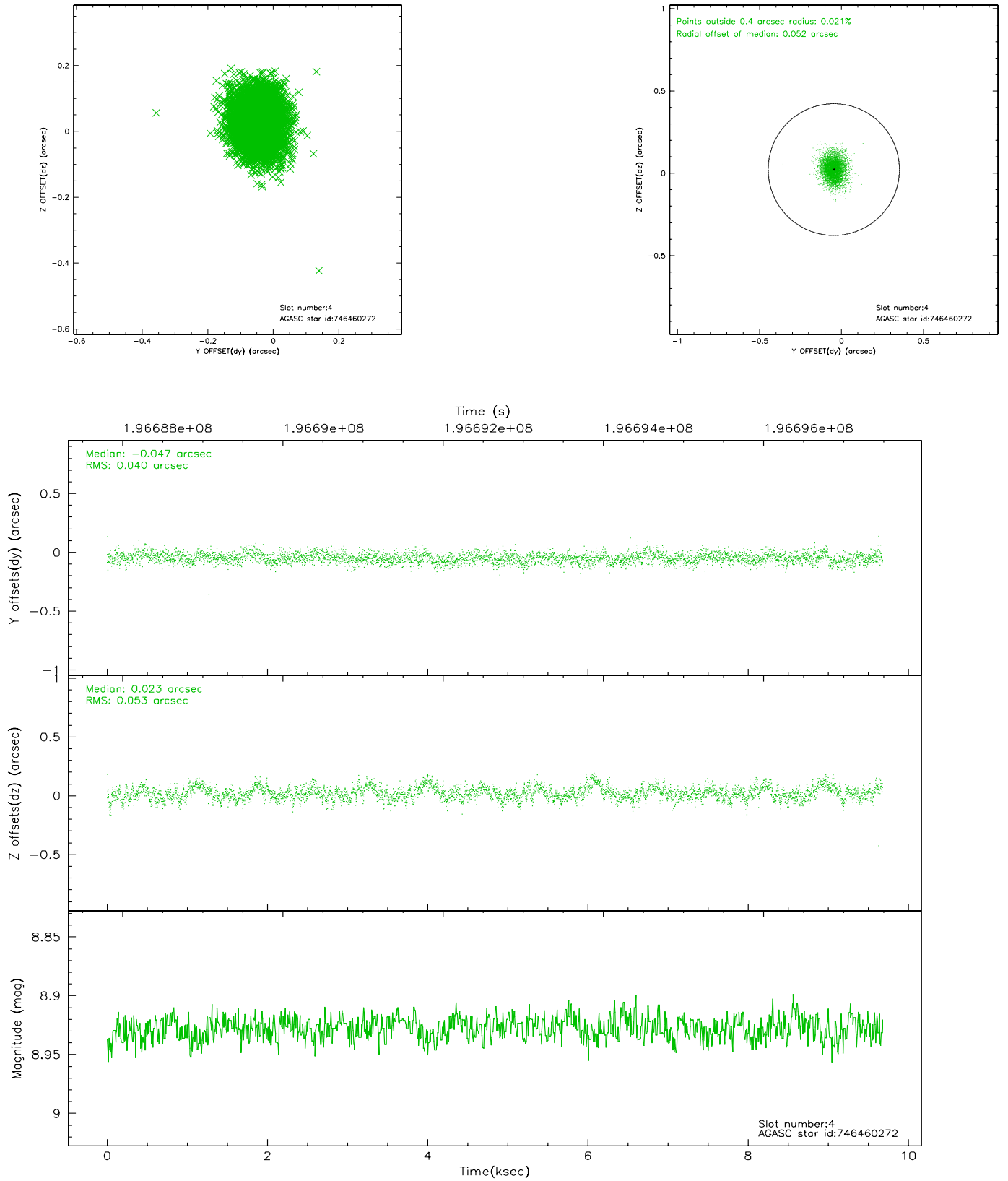
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2362	-0.017	0.047	0.007	0.012	0.000000	0.000000	932.29	-833.31
1	FID	ACIS-I-5	7.23	2362	-0.125	0.018	0.007	0.012	0.000000	0.000000	-1815.61	1063.87
2	FID	ACIS-I-6	7.25	2362	0.051	0.005	0.008	0.013	0.000000	0.000000	397.31	1708.99
3	GUIDE	746455152	7.82	4723	-0.219	-0.054	0.068	0.105	278.447893	-9.976732	2037.14	-107.07
4	GUIDE	746460272	8.93	4721	-0.047	0.023	0.070	0.117	278.847488	-10.152127	1334.86	-1489.38
5	GUIDE	746460328	9.81	4723	0.060	-0.065	0.136	0.220	278.603974	-9.898096	2292.07	-674.46
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	746462392	8.53	4722	0.206	0.098	0.095	0.140	279.038421	-10.890715	-1356.22	-2026.56

2.4 Star Slots

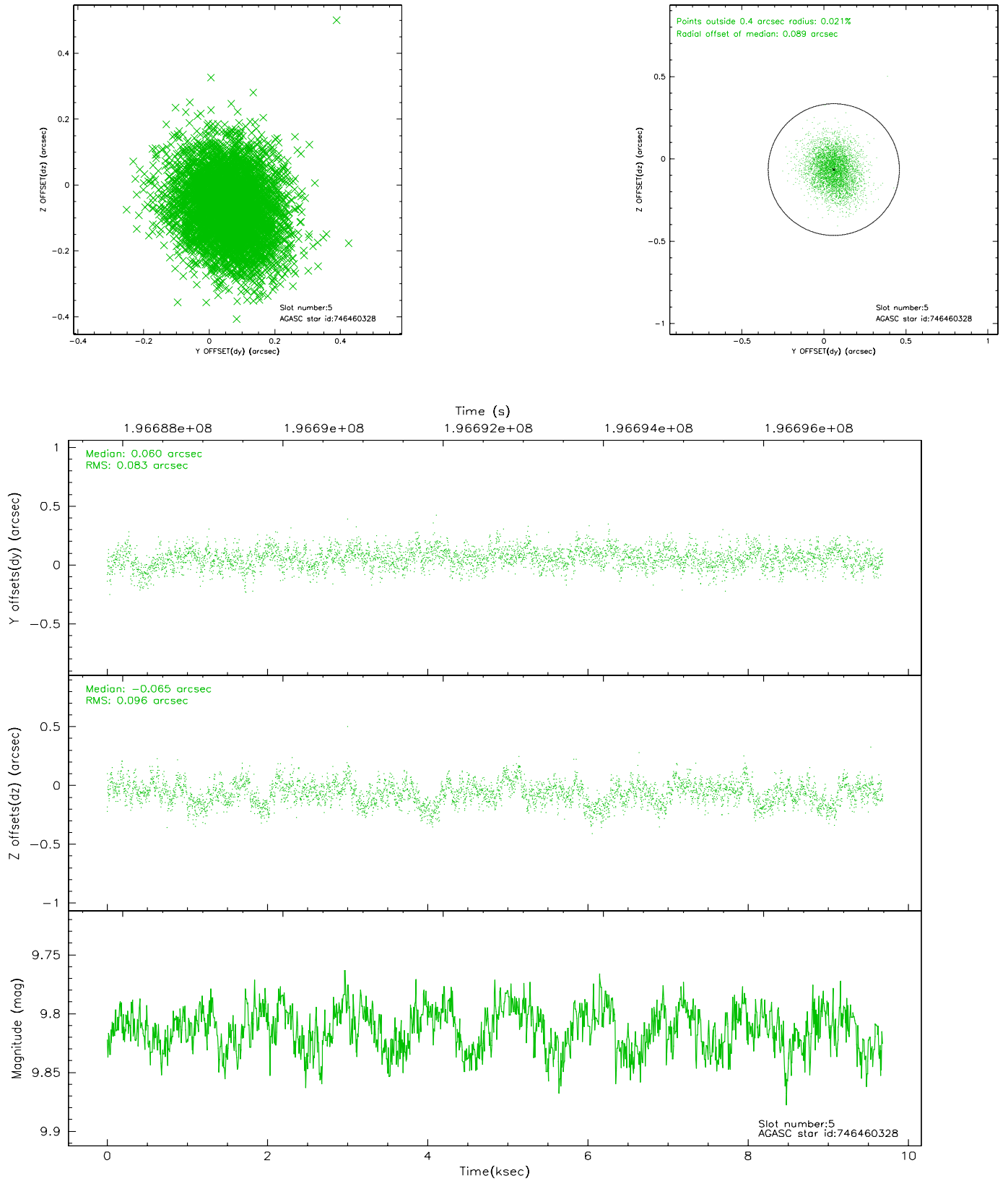
2.4.1 Slot 3



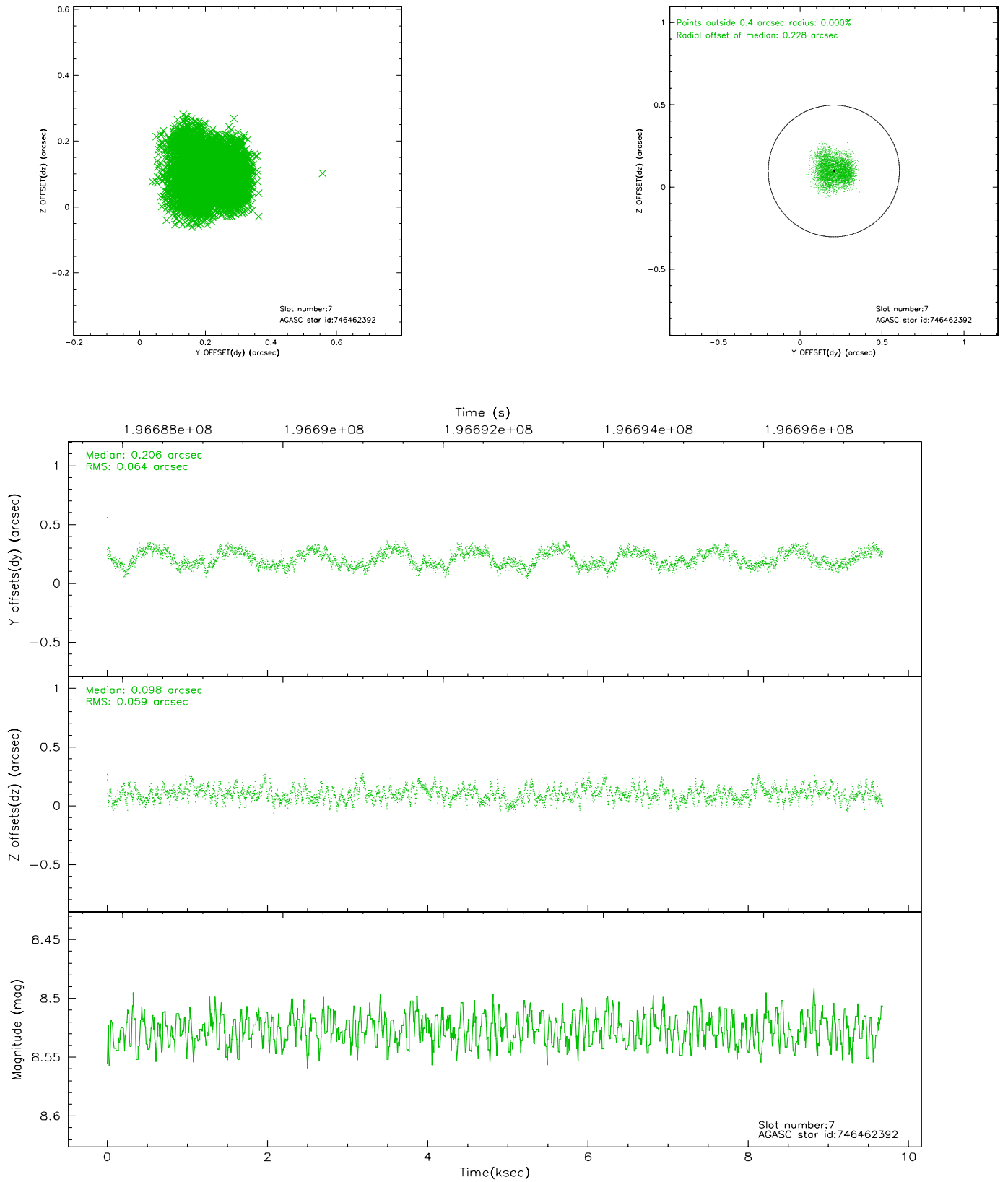
2.4.2 Slot 4



2.4.3 Slot 5

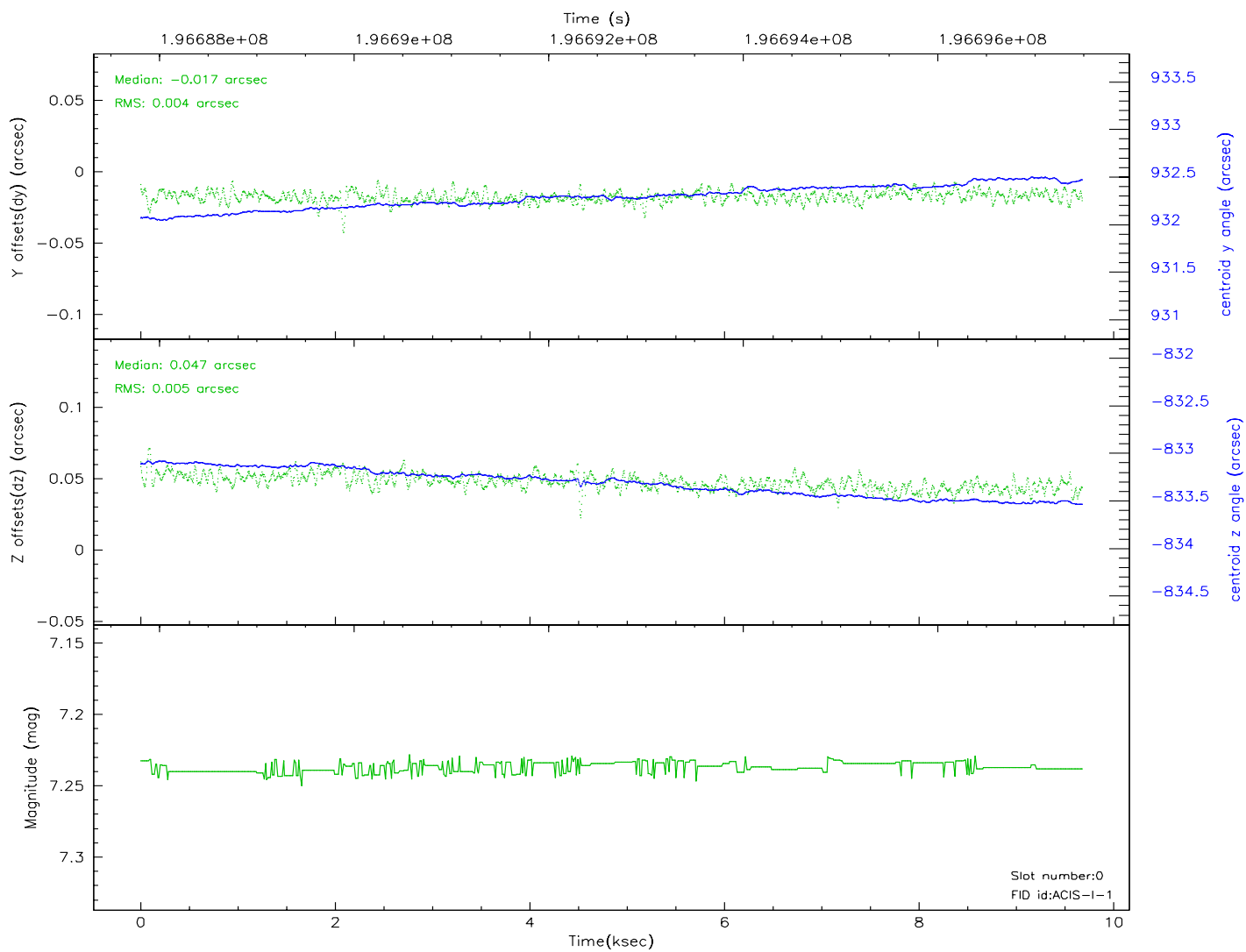
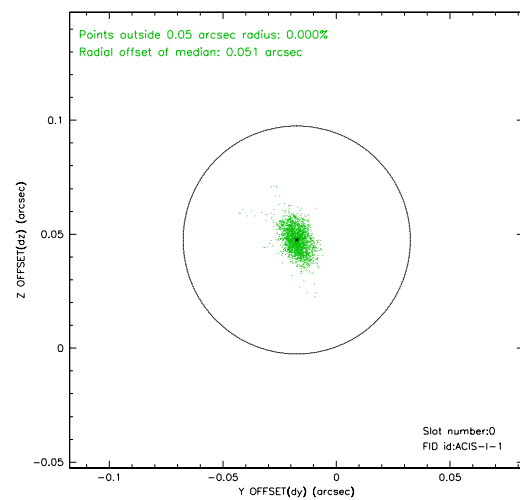
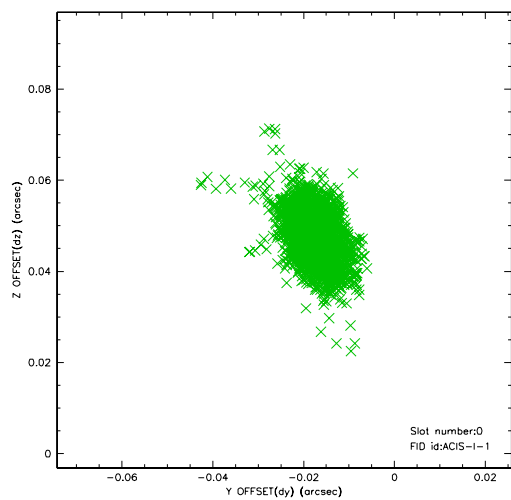


2.4.4 Slot 7

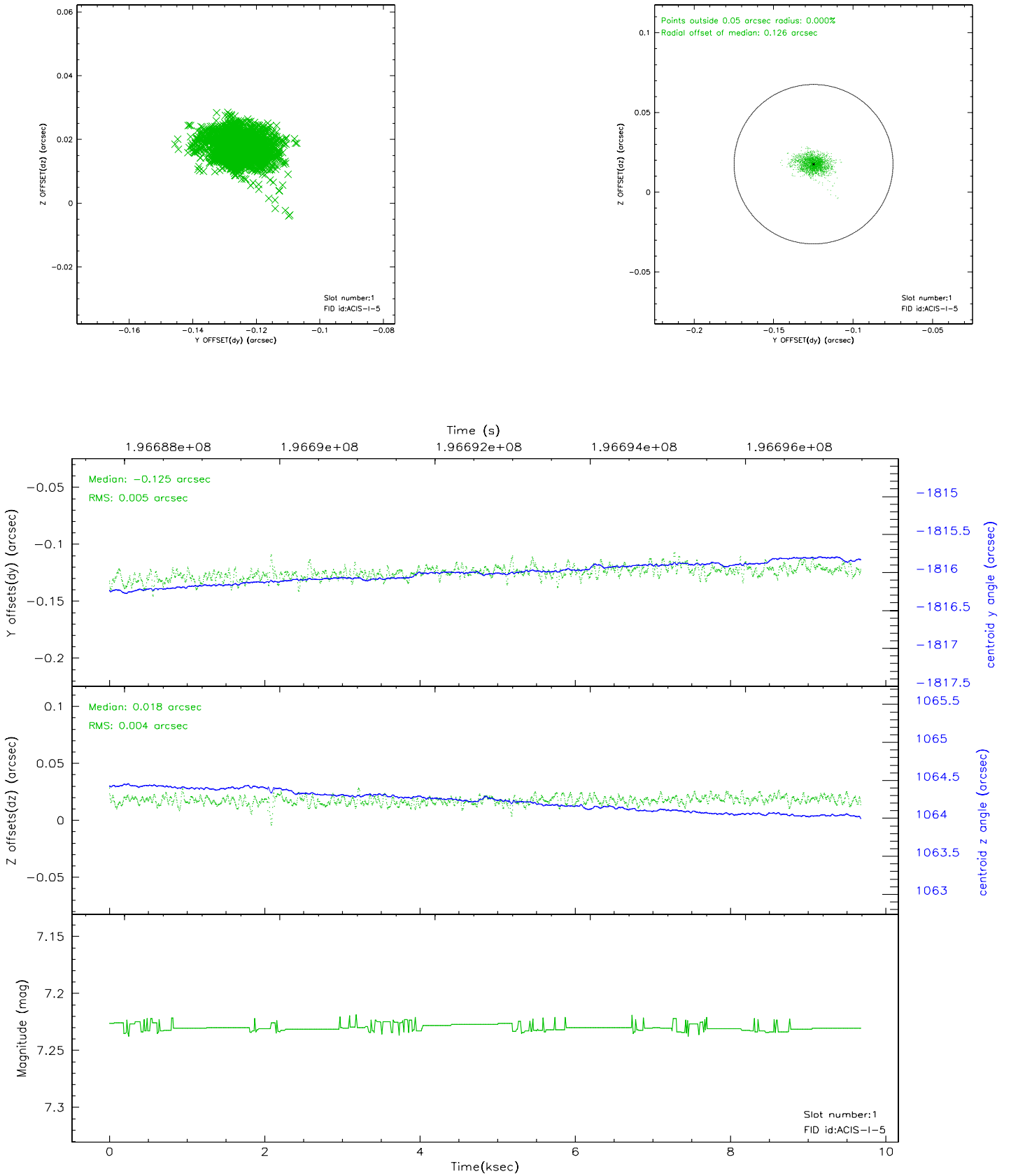


2.5 FID Slots

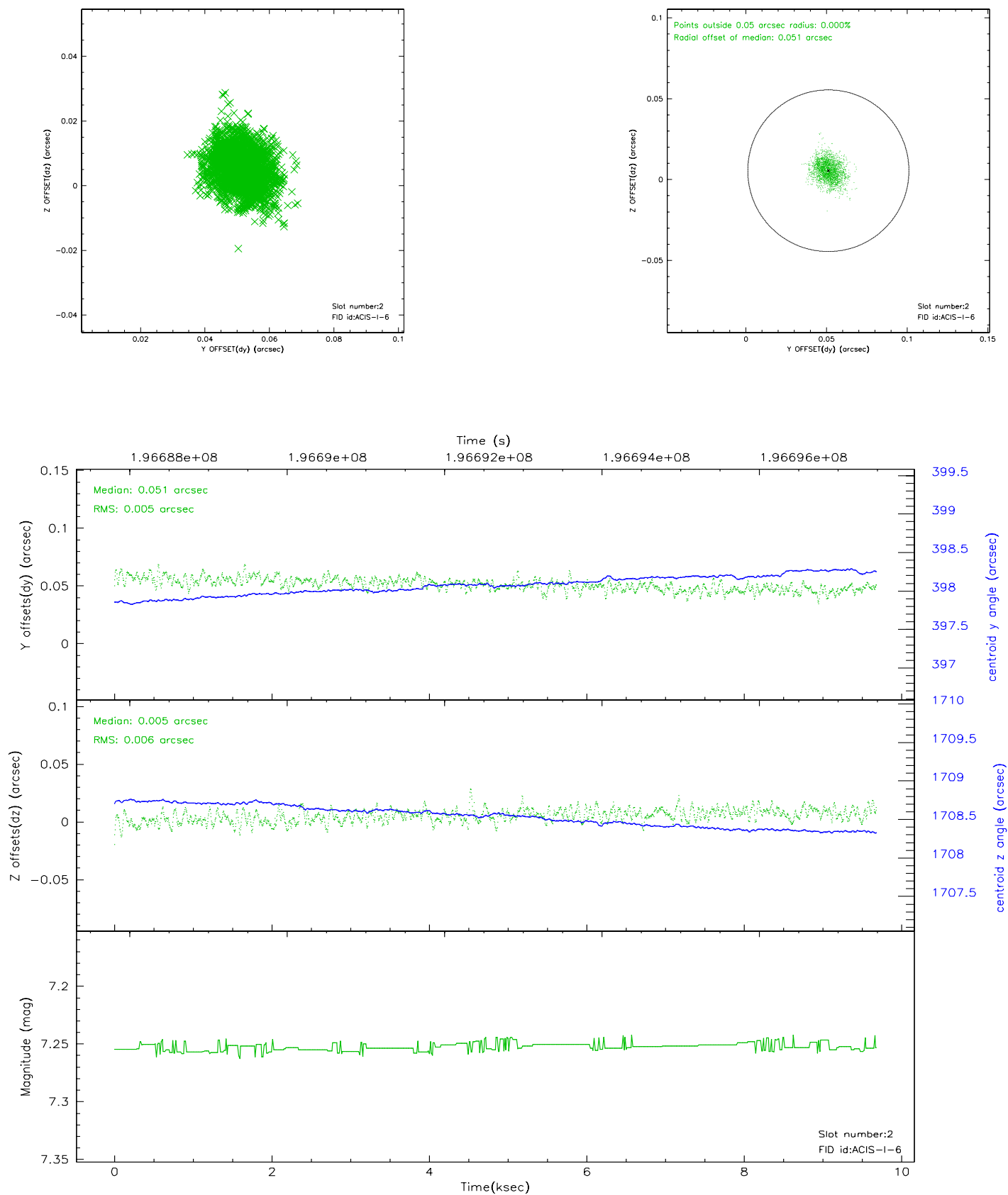
2.5.1 Slot 0



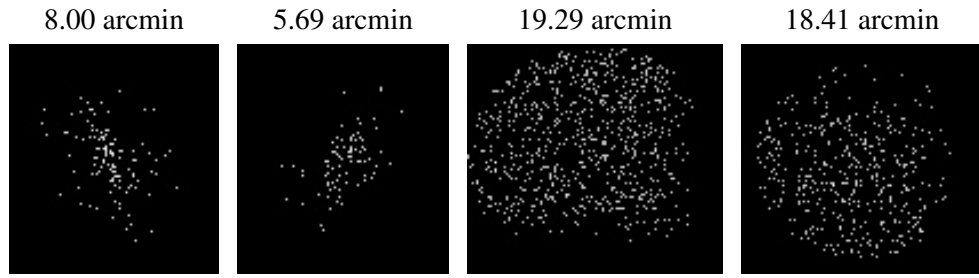
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.676

A.2 Comments

Window constraint met.