

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4600 - L2 Version 001
Chandra X-Ray Center

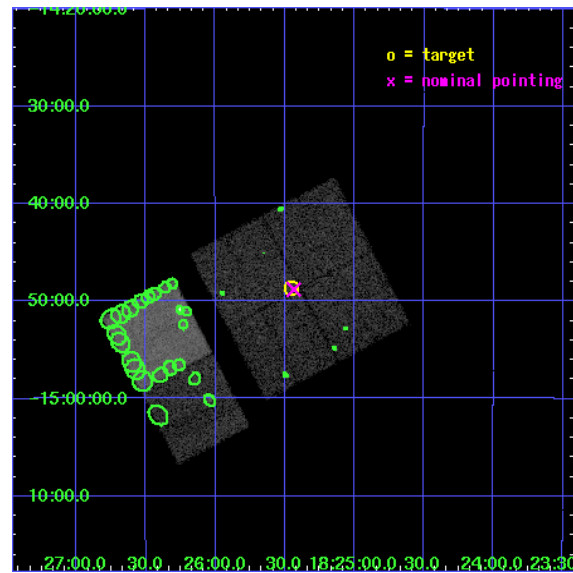
L2 Processing Date : Apr 29 2006

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1 Front

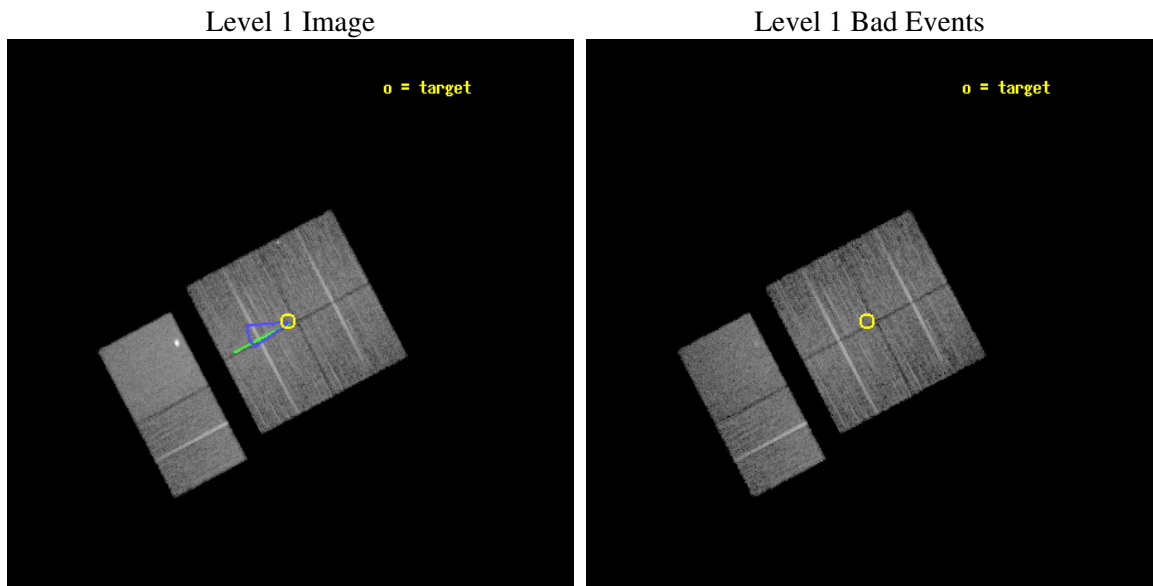
seq_num	500425
obs_id	4600
title	Center-filled Supernova Remnant G16.85-1.05 and its surroundings
observer	Professor Gordon Garmire
object	SNR G16.85-1.05
dtcycle	0
cycle	P
ra_targ	276.3625
dec_targ	-14.810556
ra_nom	276.35880647436
dec_nom	-14.813521623171
roll_nom	242.20773388859
revision	2
ontime	11177.59995836
livetime	11036.062457345
ontime0	11177.59995836
ontime1	11177.59995836
ontime2	11177.59995836
ontime3	11177.59995836
ontime6	11177.59995836
ontime7	11177.59995836
l2events	96674



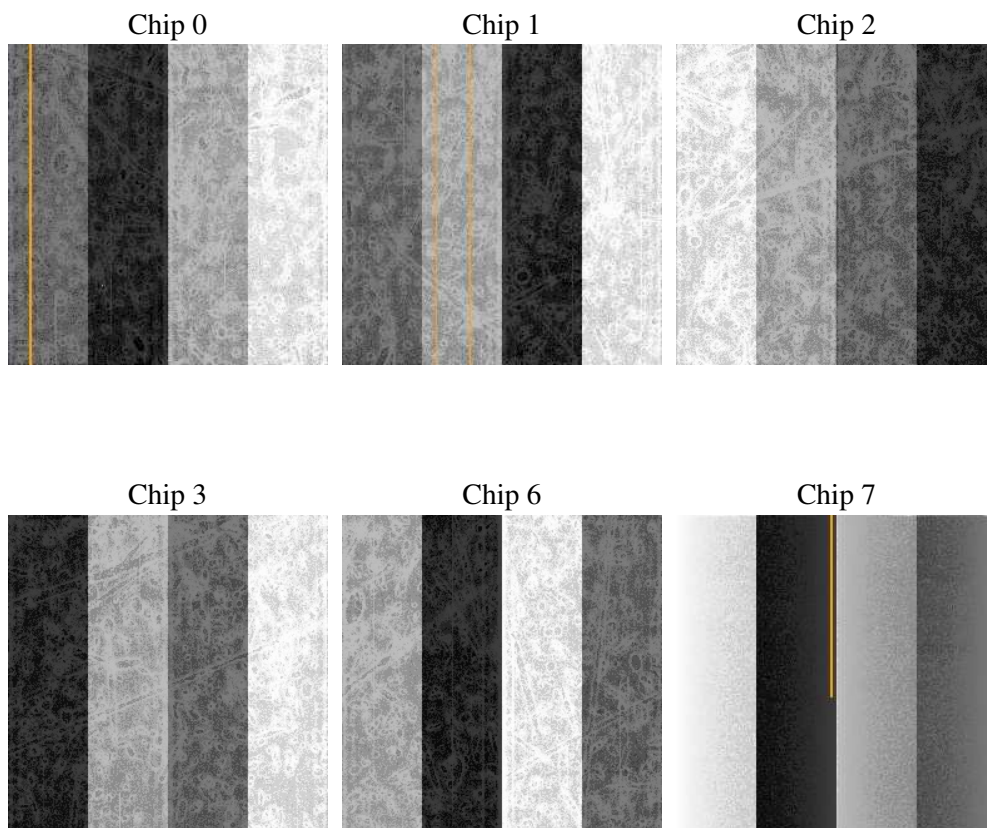
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-04-29T14:16:08
revision	2

sched_exp_time	11000.000000
ontime	12442.219701976
ontime0	12442.219701976
ontime1	12442.219701976
ontime2	12442.219701976
ontime3	12442.219701976
ontime6	12442.219701976
ontime7	12442.219701976
l1events	608785

2.1.4 Events

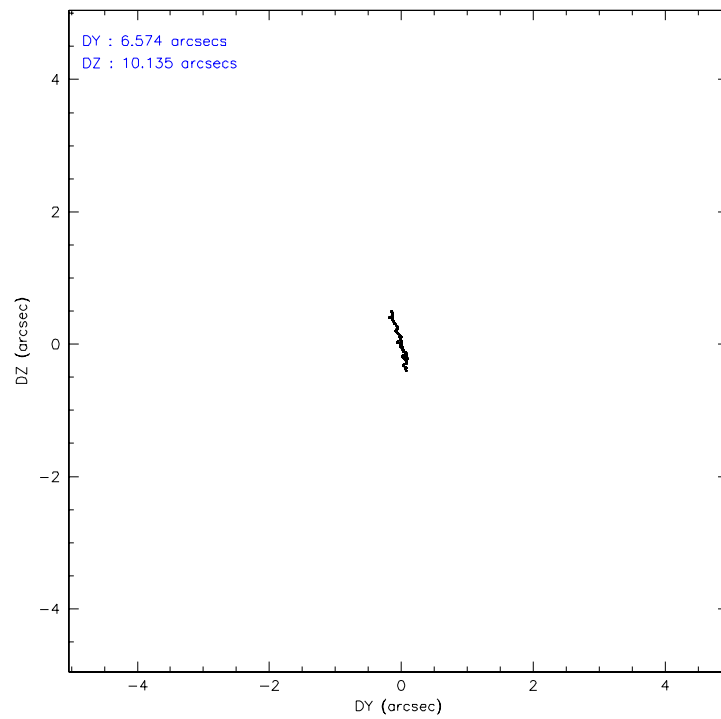
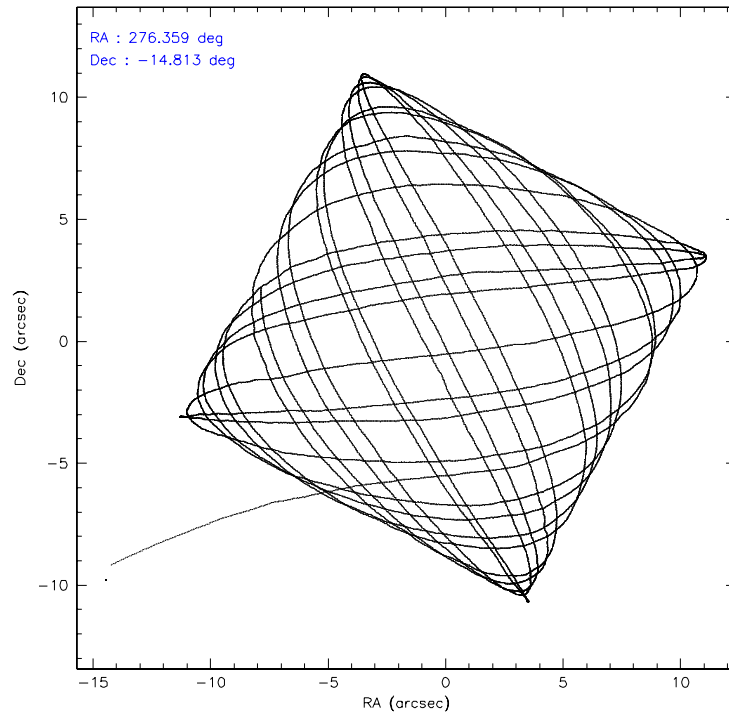
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	87730	91821	98864	96458	99728	134184
rejected events	77084	80313	88572	85691	88723	83690
rejected %	87%	87%	89%	88%	88%	62%

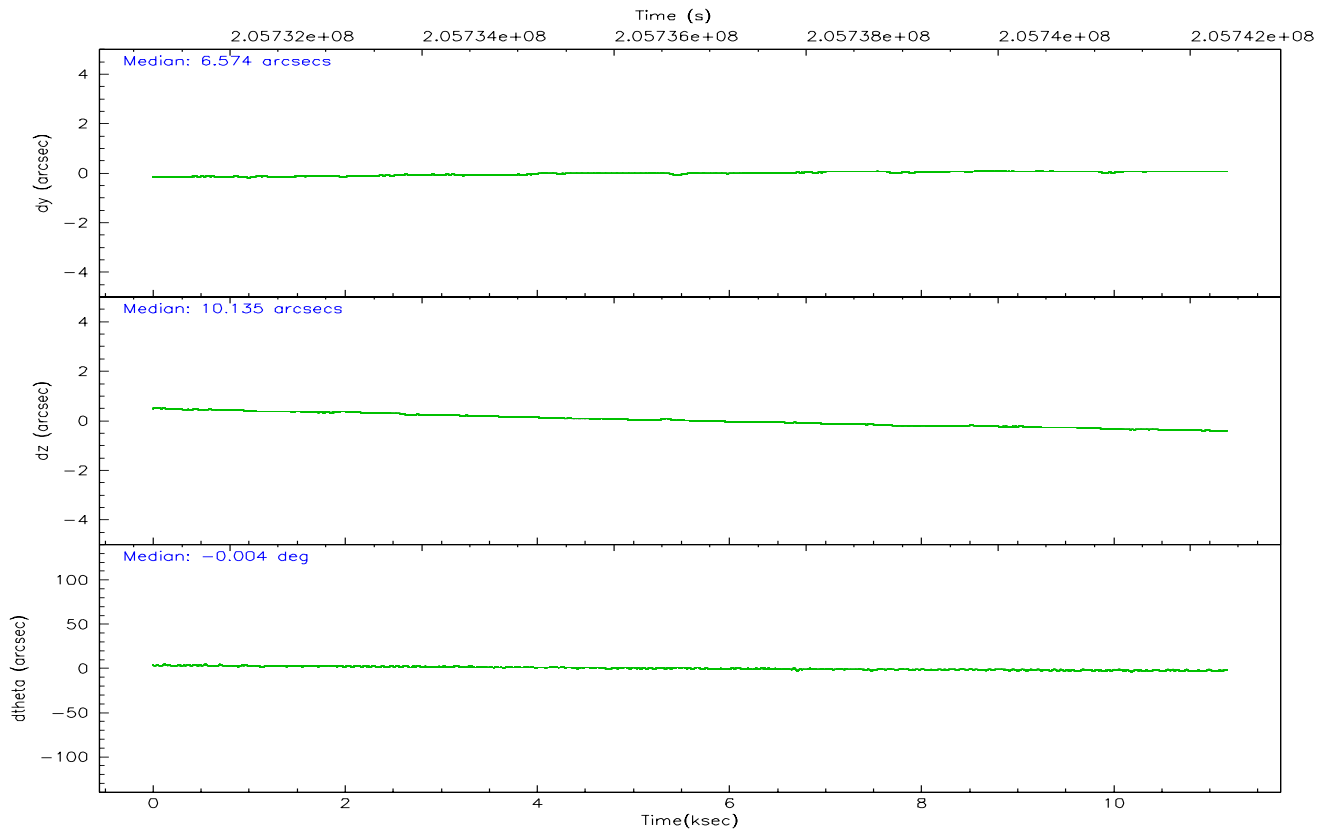
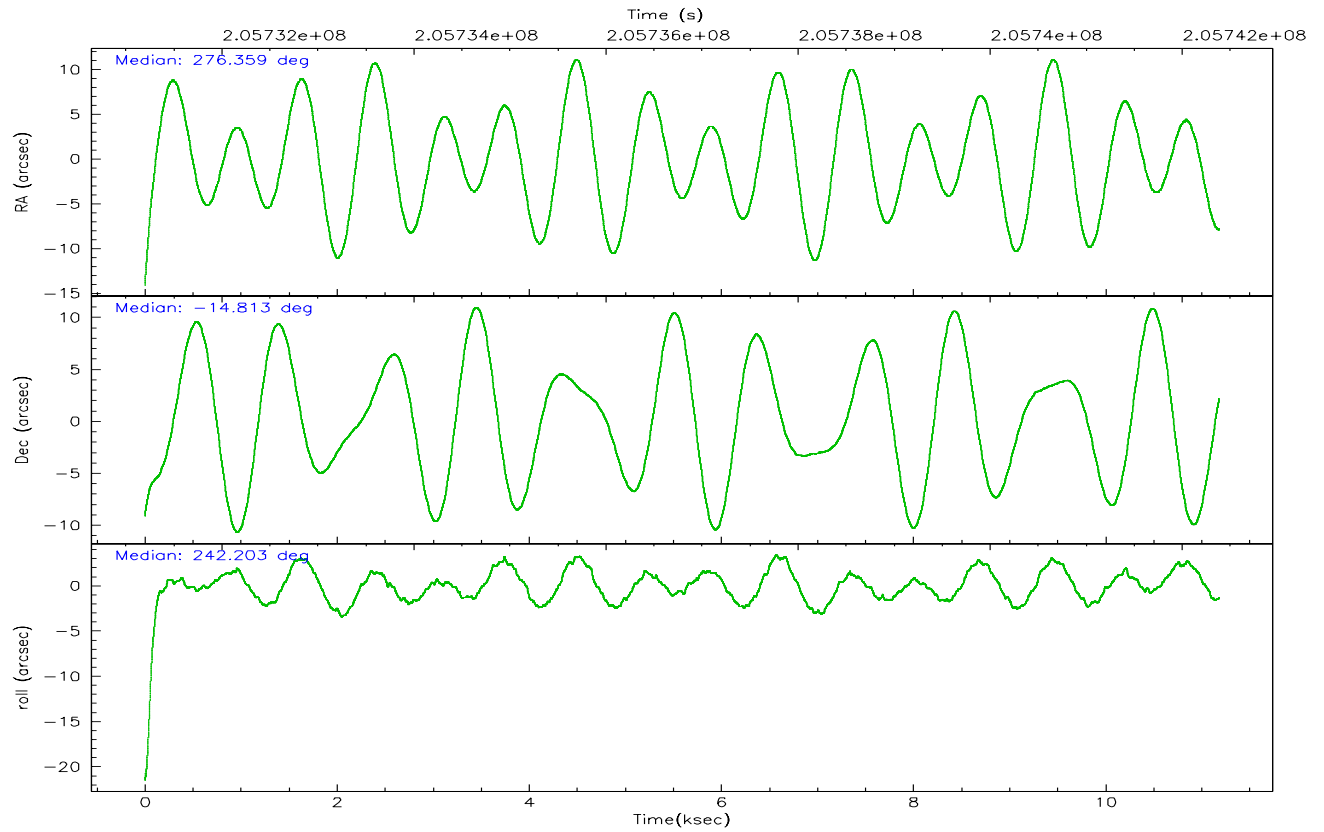
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5219	5394	5324	5651	5100	3958
	5%	5%	5%	5%	5%	2%
grade 1 events	55	42	54	74	74	78
	0%	0%	0%	0%	0%	0%
grade 2 events	2430	2663	2277	2189	2589	14402
	2%	2%	2%	2%	2%	10%
grade 3 events	1201	1248	1022	1132	1137	2991
	1%	1%	1%	1%	1%	2%
grade 4 events	1080	1224	1046	1042	1102	3005
	1%	1%	1%	1%	1%	2%
grade 5 events	3755	3961	3581	4149	4542	8513
	4%	4%	3%	4%	4%	6%
grade 6 events	1985	2275	1774	1922	2283	31166
	2%	2%	1%	1%	2%	23%
grade 7 events	72005	75014	83786	80299	82901	70071
	82%	81%	84%	83%	83%	52%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	276.357581	276.3588064743561	Alternating exposures requested	N	N
Pointing Dec	-14.786127	-14.81352162317098	Primary exposure time	0.000000	3.2
Pointing Roll	241.998752	242.207733888586			
Roll angle	250.000000	250.000000			
Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	N	N			
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	205731381.184000	205729679.74509			
Observation start date	2004-07-09T03:35:17	2004-07-09T03:07:59			
Observation end time	205742381.184000	205743749.92071			
Observation end date	2004-07-09T06:38:37	2004-07-09T07:02:29			
Read mode	TIMED	TIMED			

2.3 Aspect



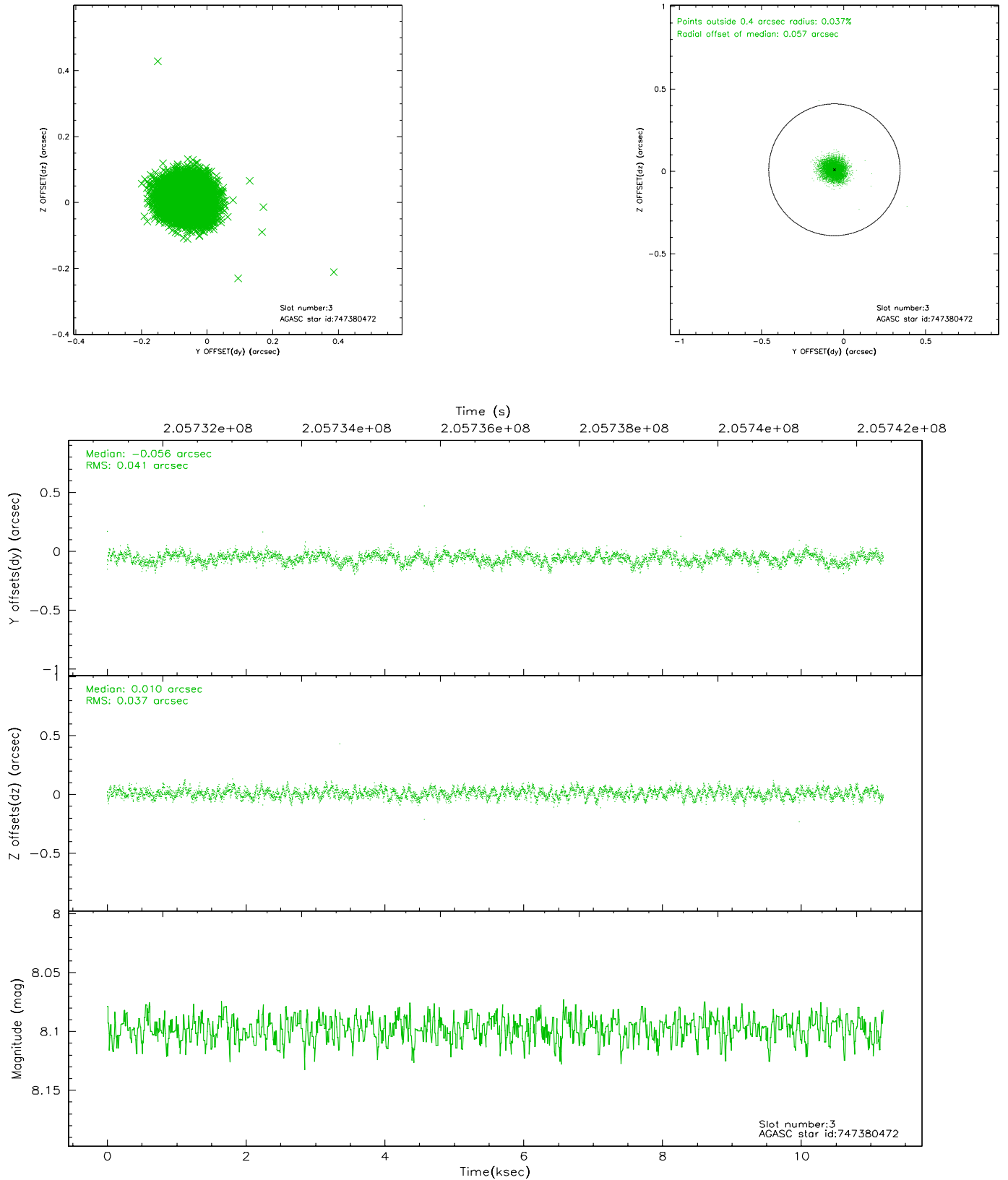


Slot Statistics

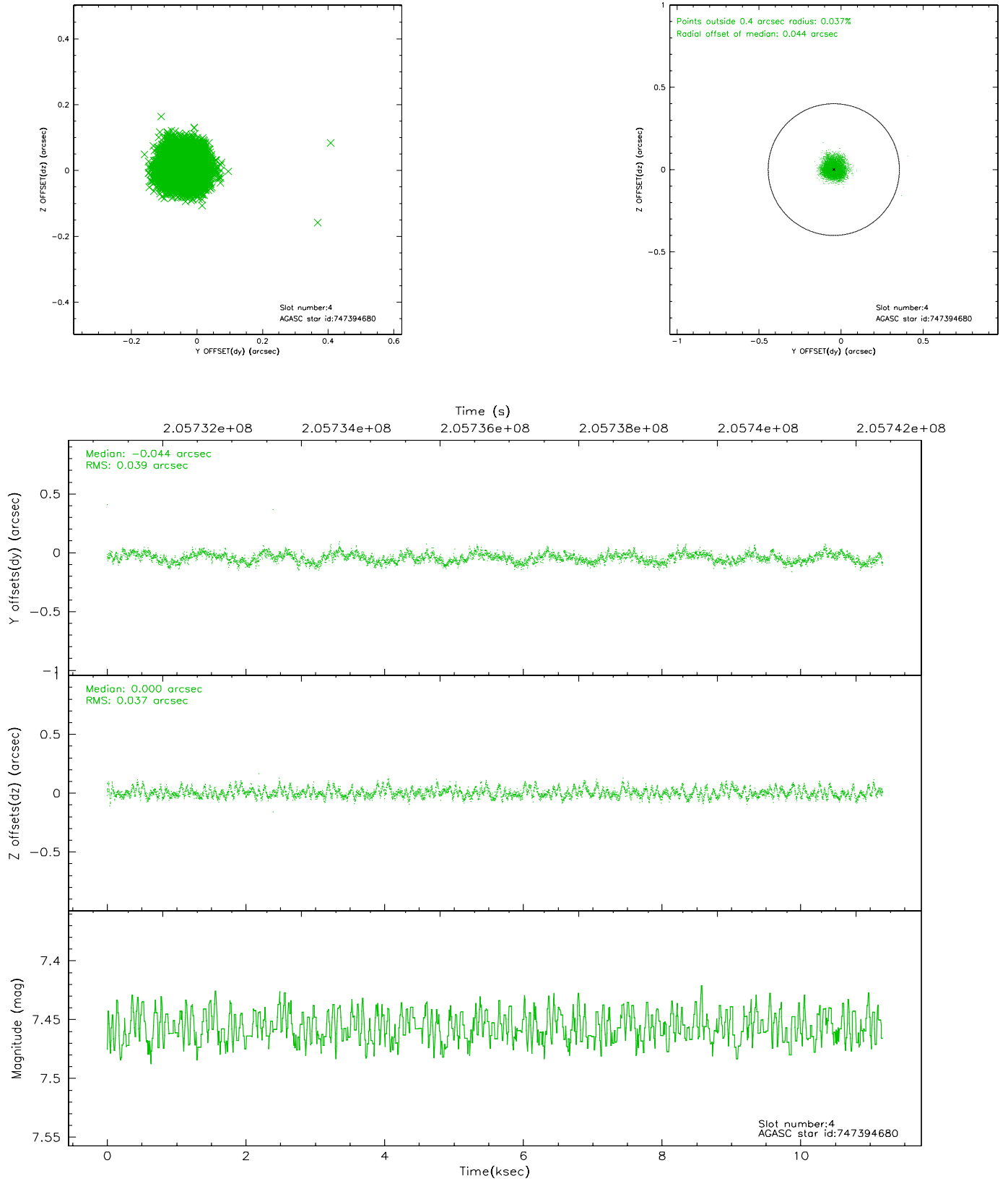
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2728	0.009	0.015	0.011	0.017	0.000000	0.000000	933.17	-833.59
1	FID	ACIS-I-5	7.23	2728	-0.008	0.074	0.017	0.027	0.000000	0.000000	-1814.76	1063.64
2	FID	ACIS-I-6	7.24	2727	-0.091	-0.019	0.019	0.029	0.000000	0.000000	398.04	1708.64
3	GUIDE	747380472	8.10	5454	-0.056	0.010	0.059	0.093	276.808218	-14.697222	-1017.99	1235.87
4	GUIDE	747394680	7.46	5453	-0.044	0.000	0.058	0.089	276.275759	-14.649373	-300.90	-482.58
5	GUIDE	821297448	7.46	5456	-0.041	-0.136	0.053	0.087	276.406695	-15.152775	1085.28	770.22
6	GUIDE	821318160	7.74	5452	0.078	0.089	0.053	0.091	276.598709	-15.630197	2291.15	2165.45
7	GUIDE	747380456	8.61	5454	0.061	0.038	0.056	0.089	276.136187	-14.775528	329.14	-697.76

2.4 Star Slots

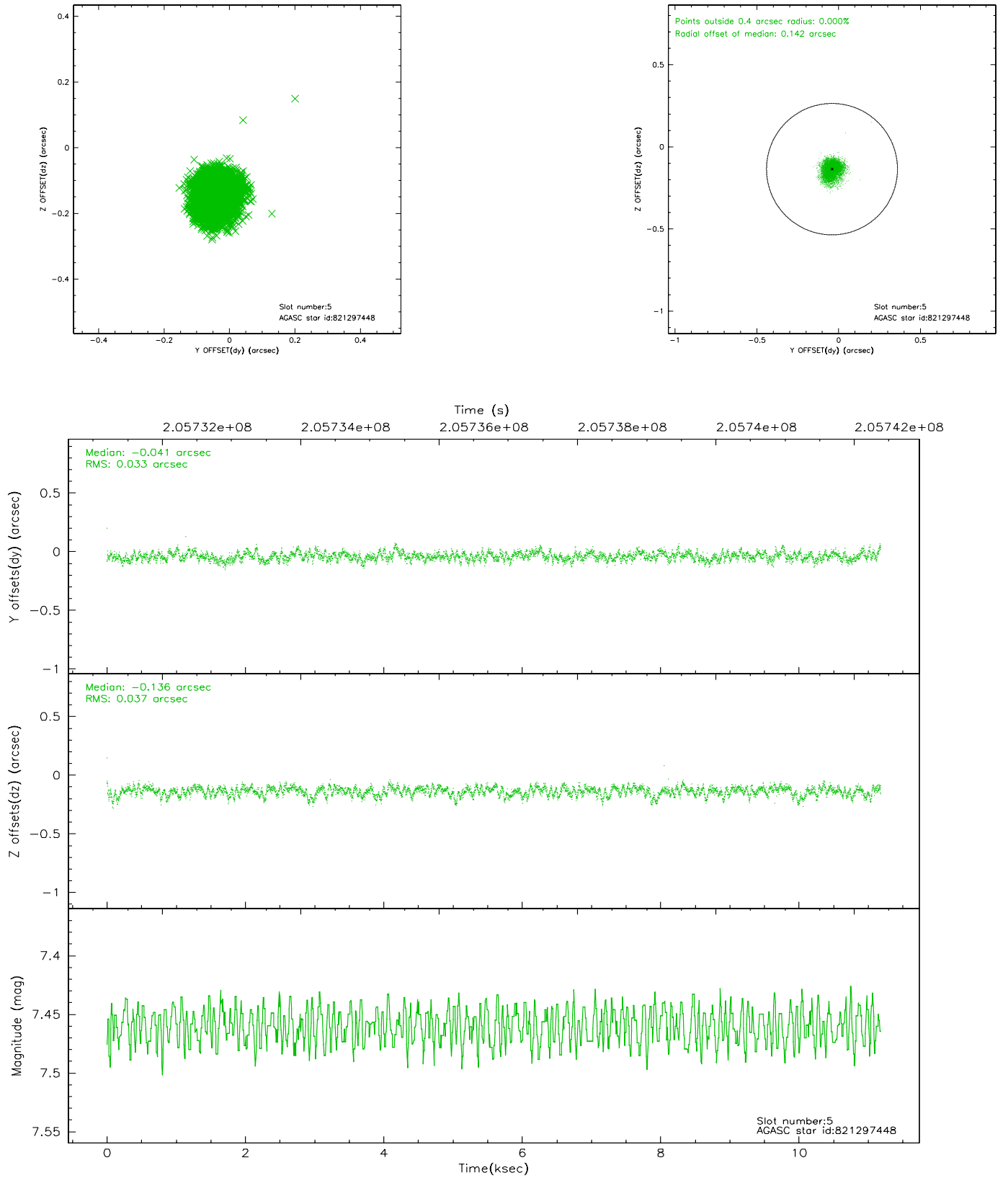
2.4.1 Slot 3



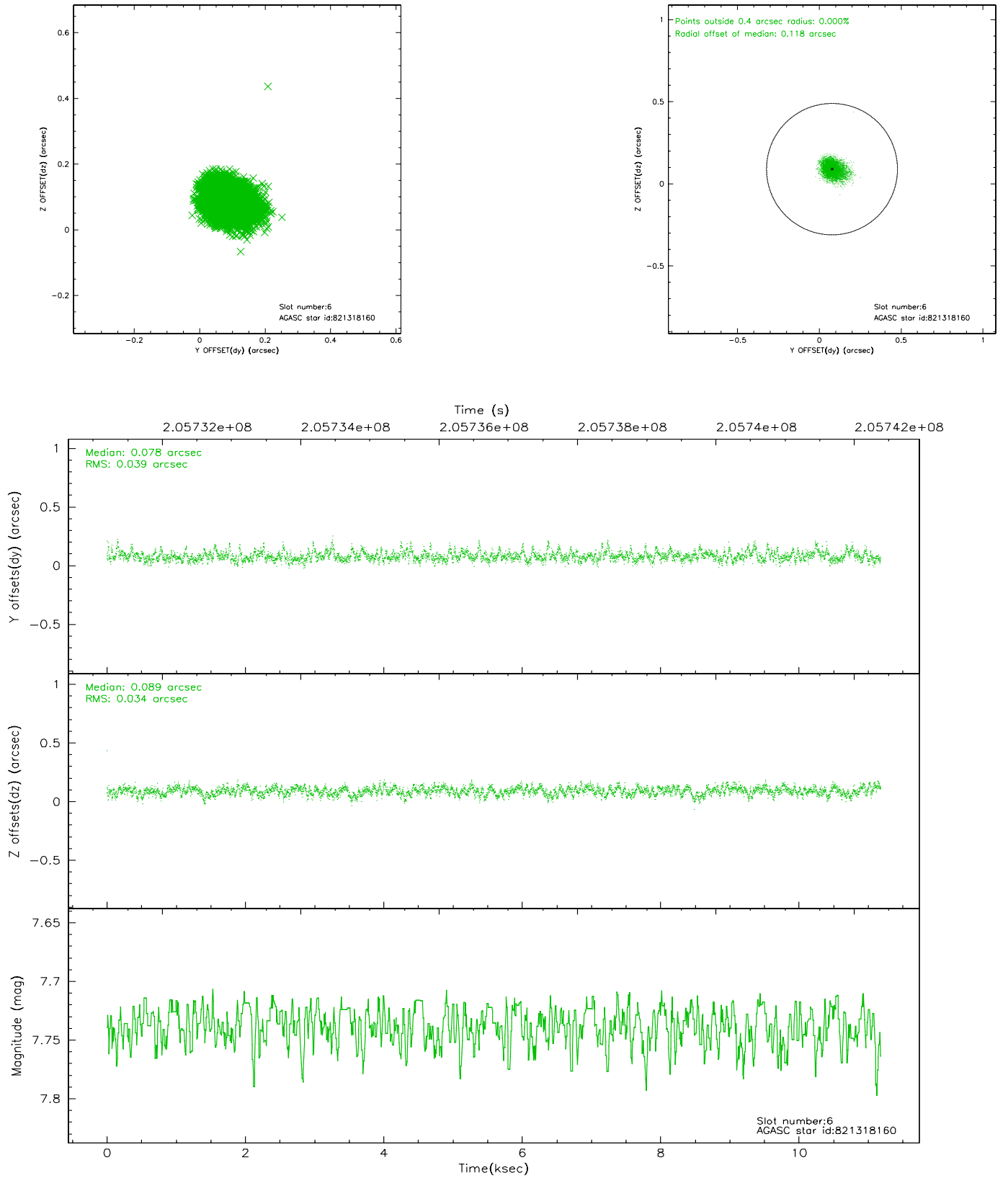
2.4.2 Slot 4



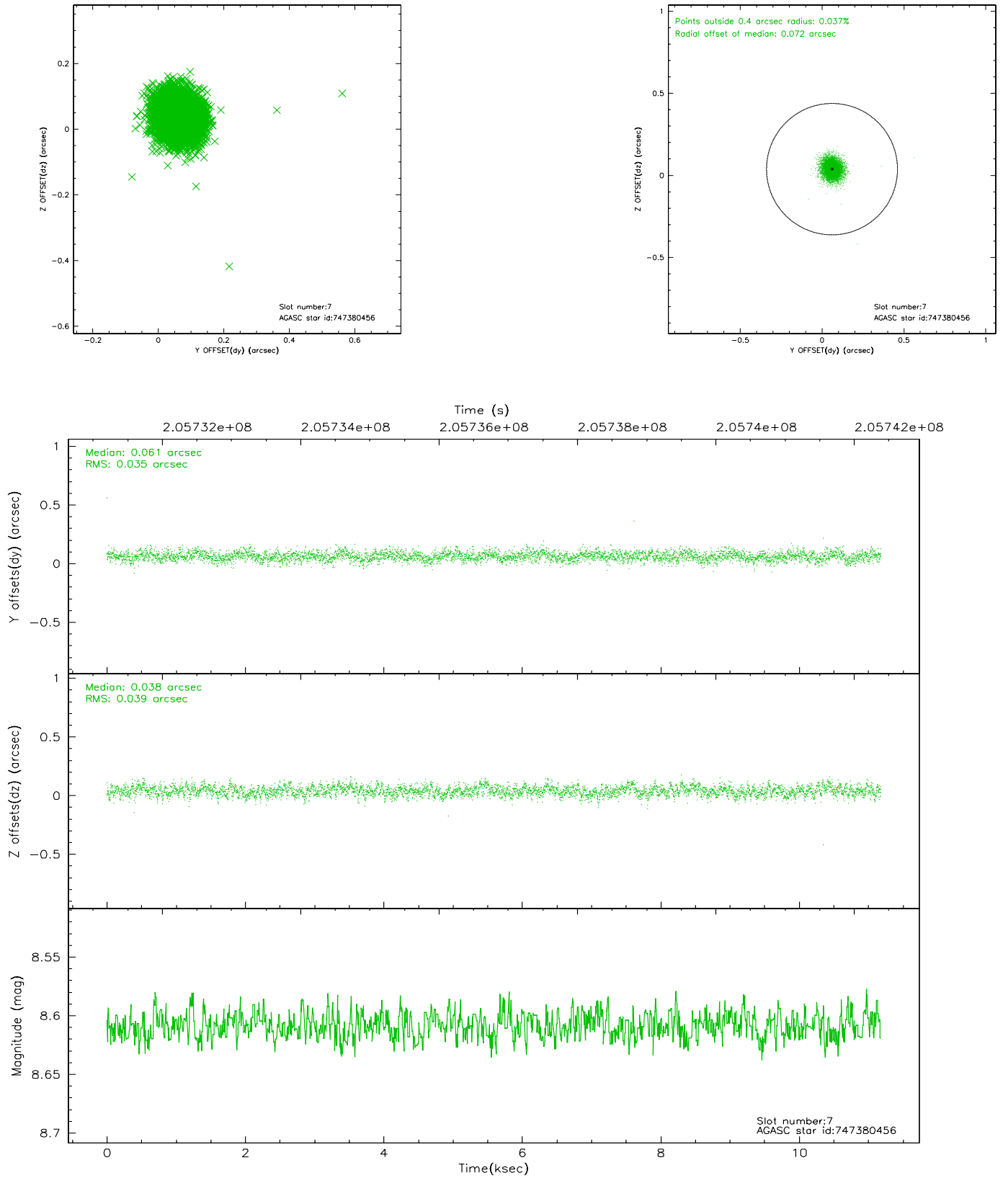
2.4.3 Slot 5



2.4.4 Slot 6

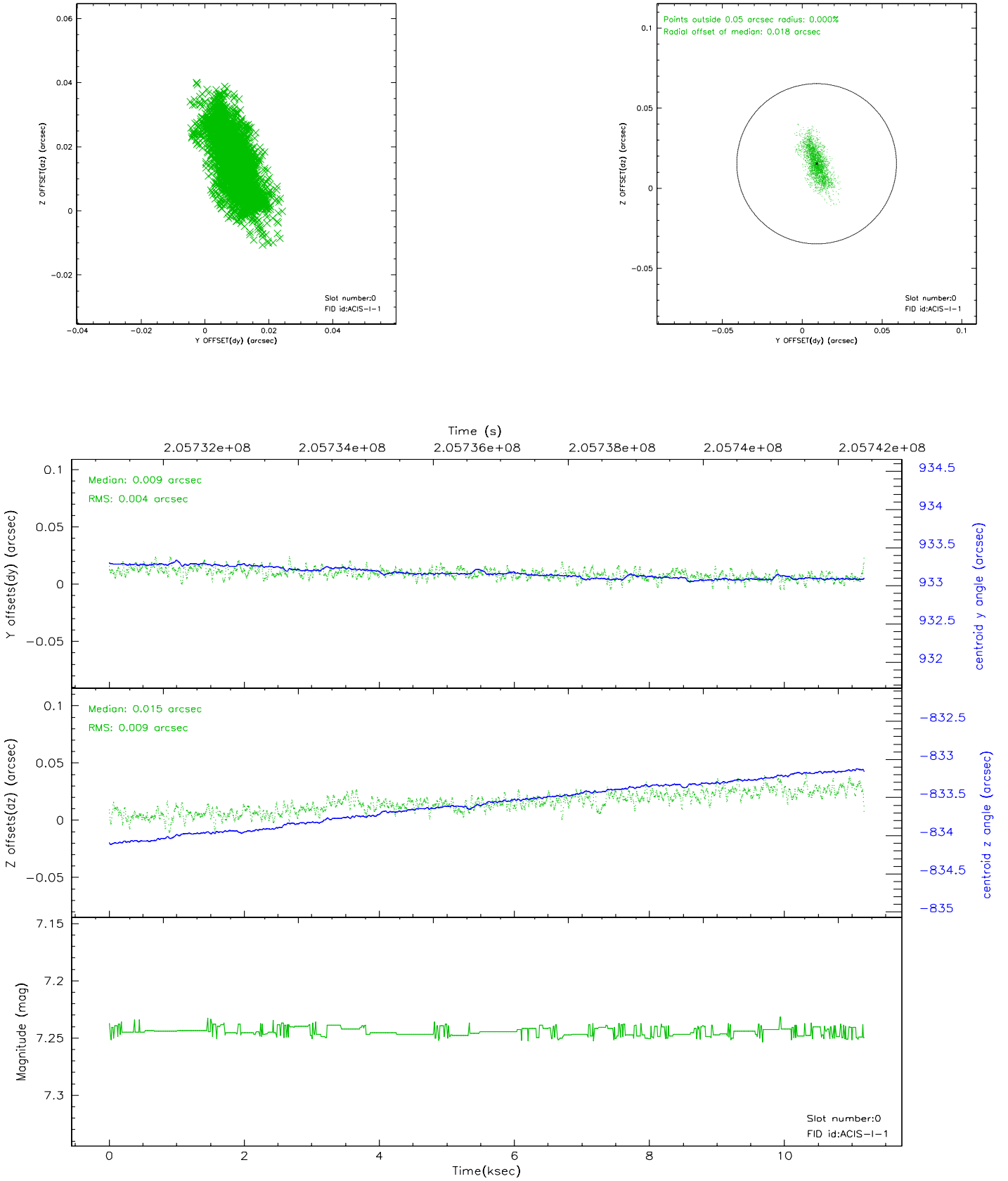


2.4.5 Slot 7

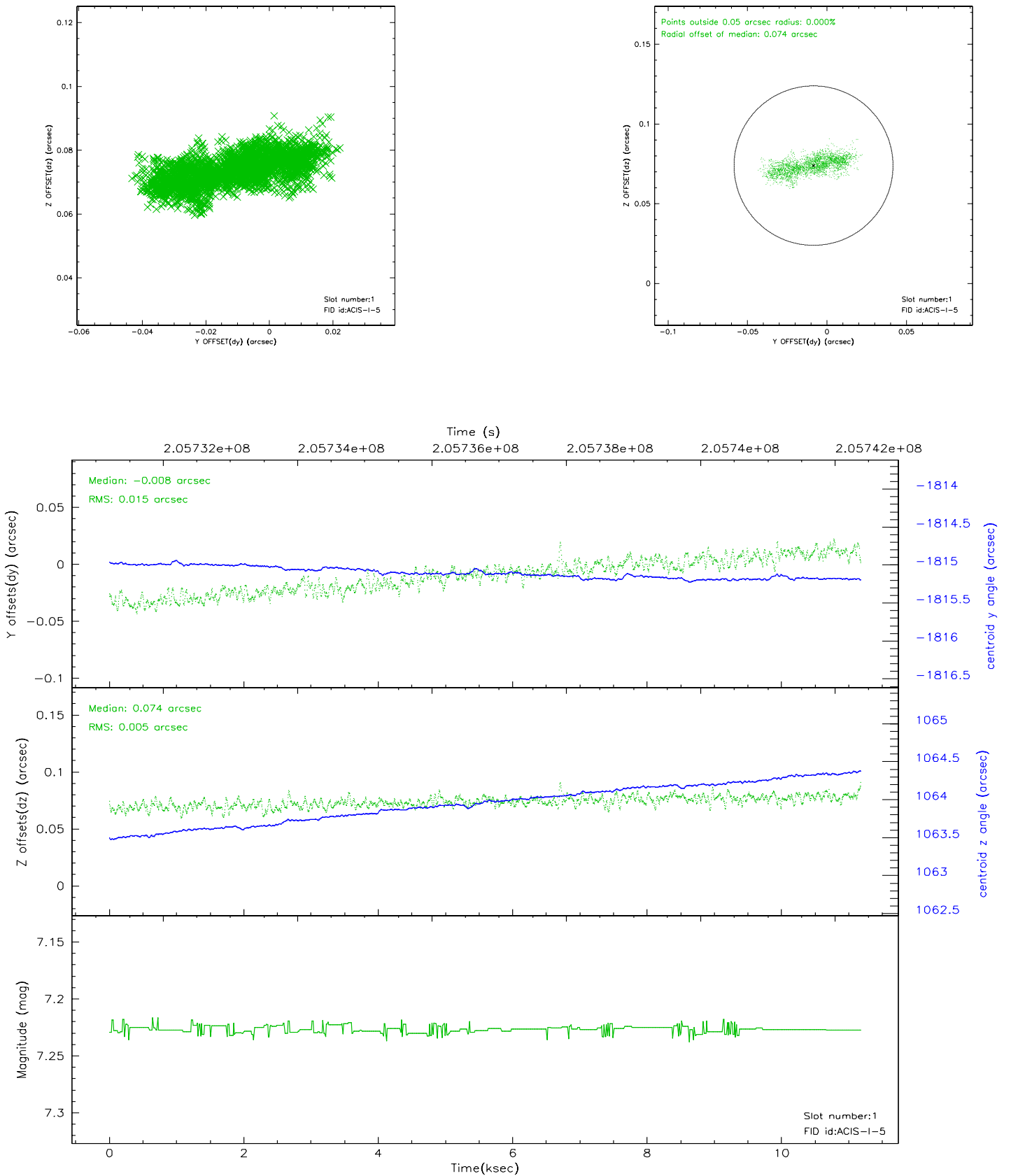


2.5 FID Slots

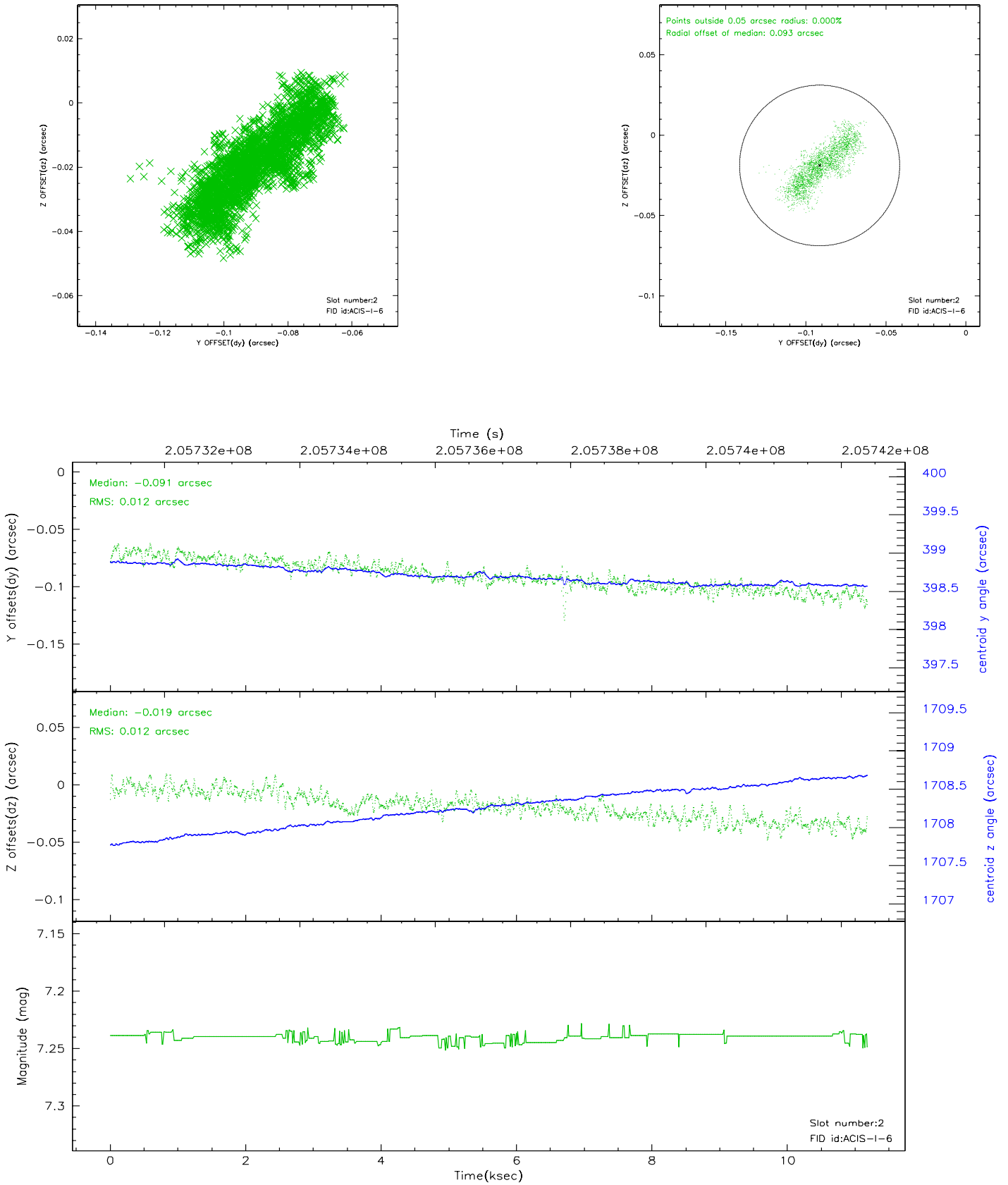
2.5.1 Slot 0



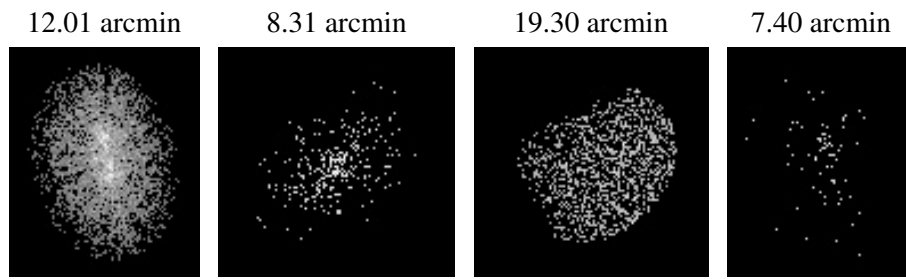
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.177

A.2 Comments

Roll constraint met.