

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4075 - L2 Version 001
Chandra X-Ray Center

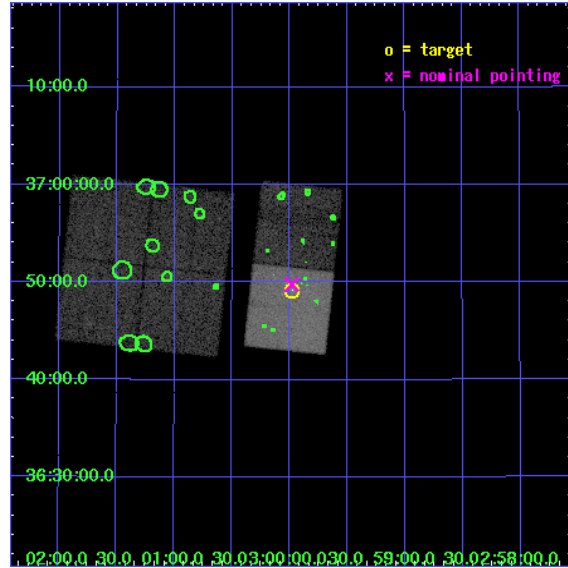
L2 Processing Date : Jul 14 2006

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1 Front

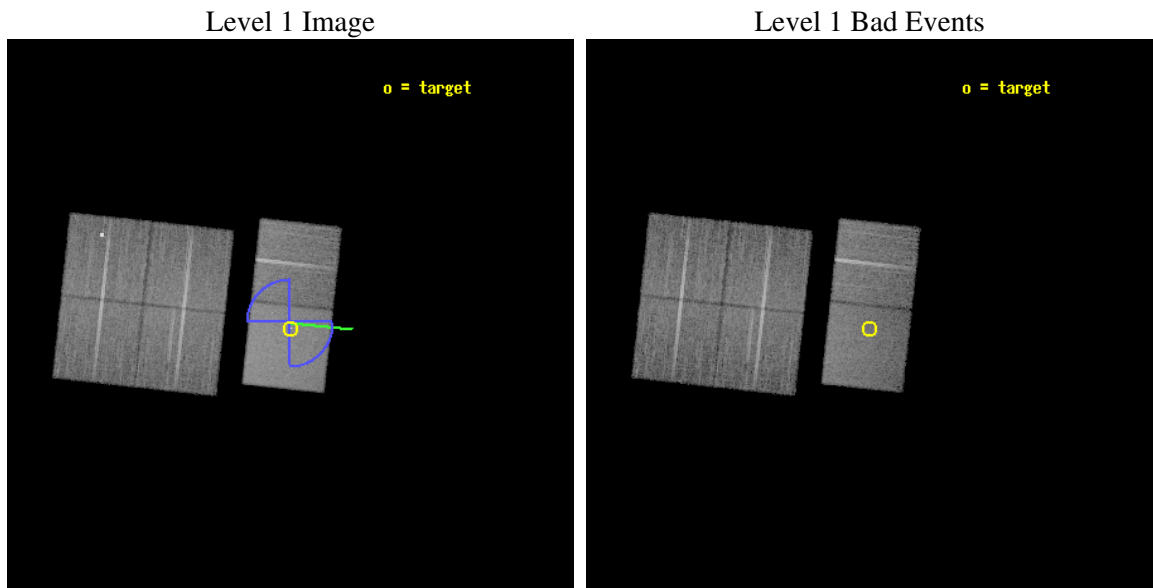
seq_num	700754
obs_id	4075
title	PROBING THE STRUCTURE OF THE NARROW-LINE REGION IN SEYFERT GALAXIES WITH CXO IMAGING SPECTROSCOPY
observer	PROF. STEVEN KRAEMER
object	MRK 1066
dtcycle	0
cycle	P
ra_targ	44.994583
dec_targ	36.820306
ra_nom	44.995369214902
dec_nom	36.829948298558
roll_nom	96.25066364298
revision	2
ontime	20121.599925041
livetime	19866.808111017
ontime0	20121.599925041
ontime1	20121.599925041
ontime2	20121.599925041
ontime3	20121.599925041
ontime6	20121.599925041
ontime7	20121.599925041
l2events	131973



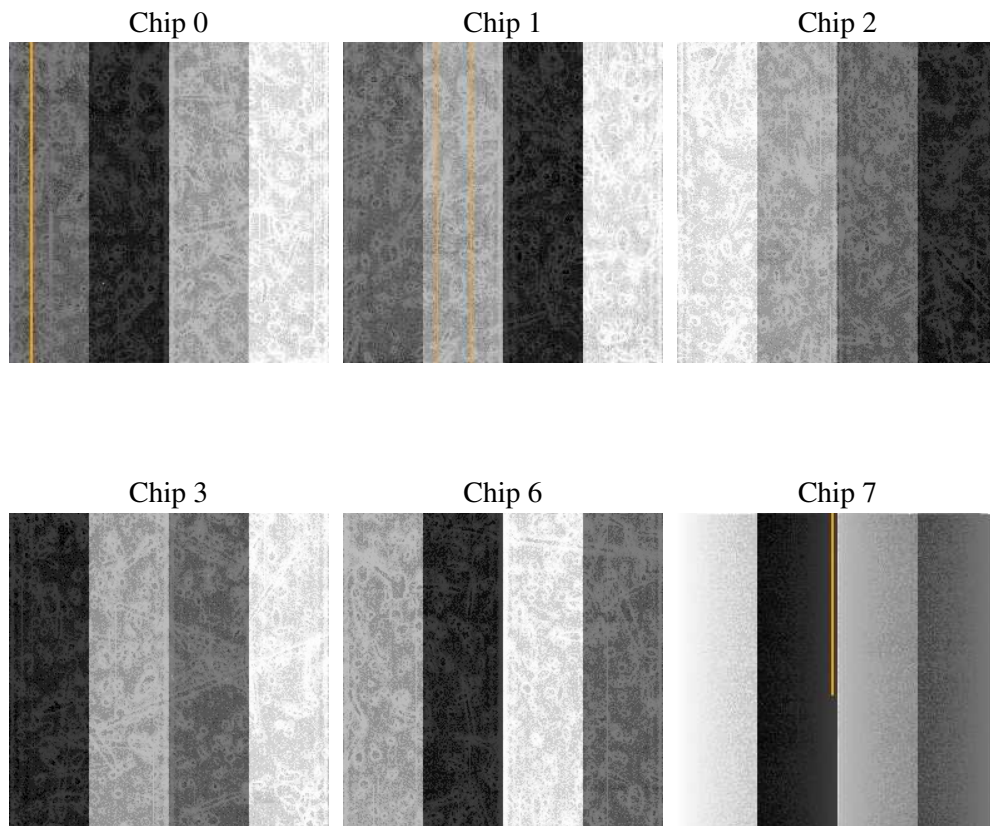
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-14T07:04:09
revision	2

sched_exp_time	20000.000000
ontime	20275.696703672
ontime0	20275.696703672
ontime1	20275.696673751
ontime2	20275.696673751
ontime3	20275.696673751
ontime6	20275.696673751
ontime7	20275.696703672
l1events	763741

2.1.4 Events

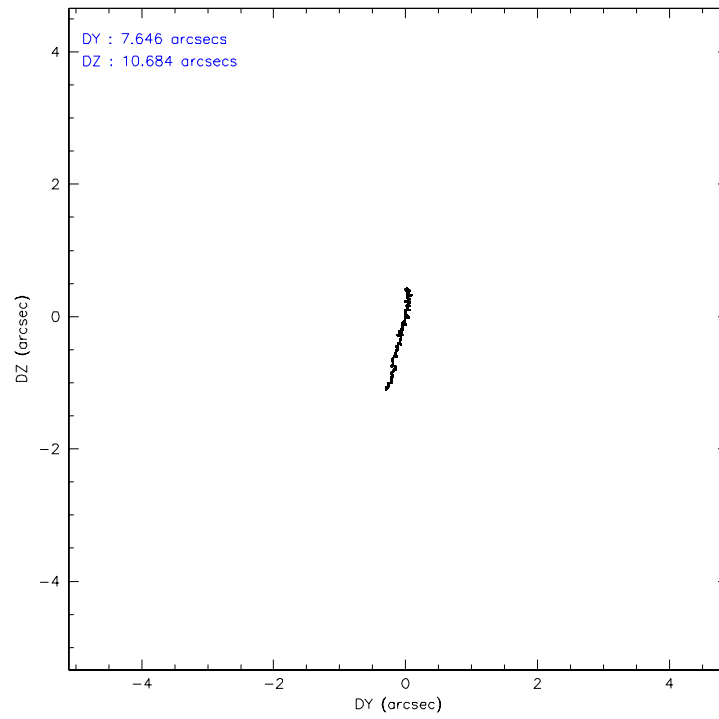
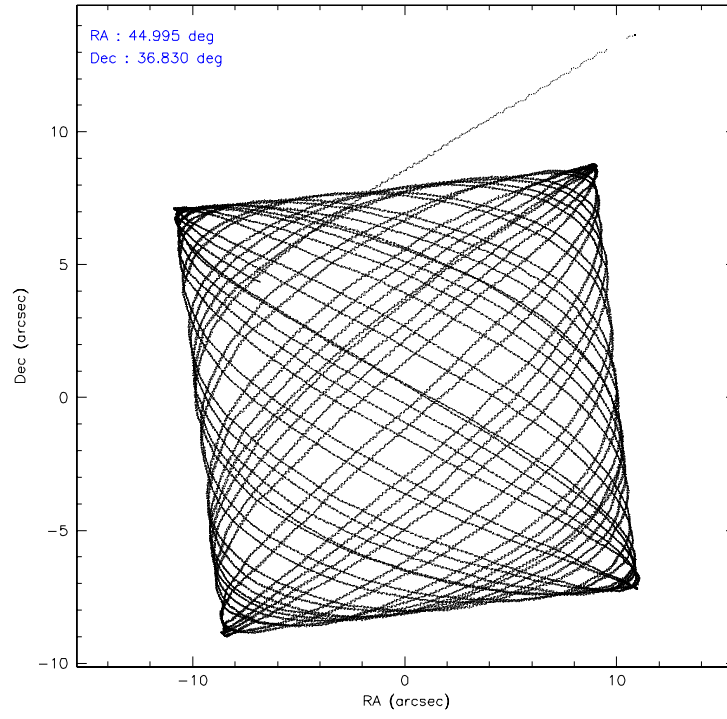
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	121417	110950	118570	116742	125012	171050
rejected events	103004	95657	104186	102534	110049	101342
rejected %	84%	86%	87%	87%	88%	59%

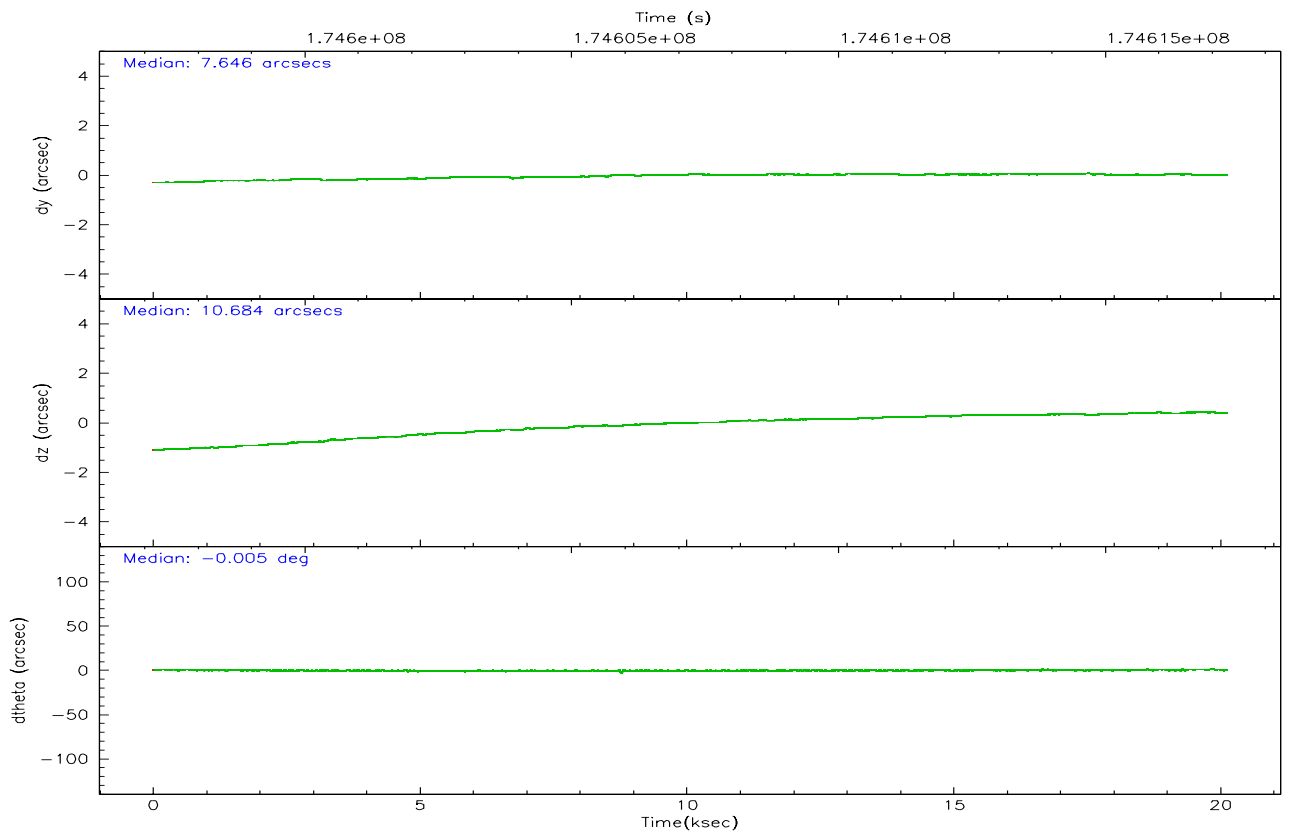
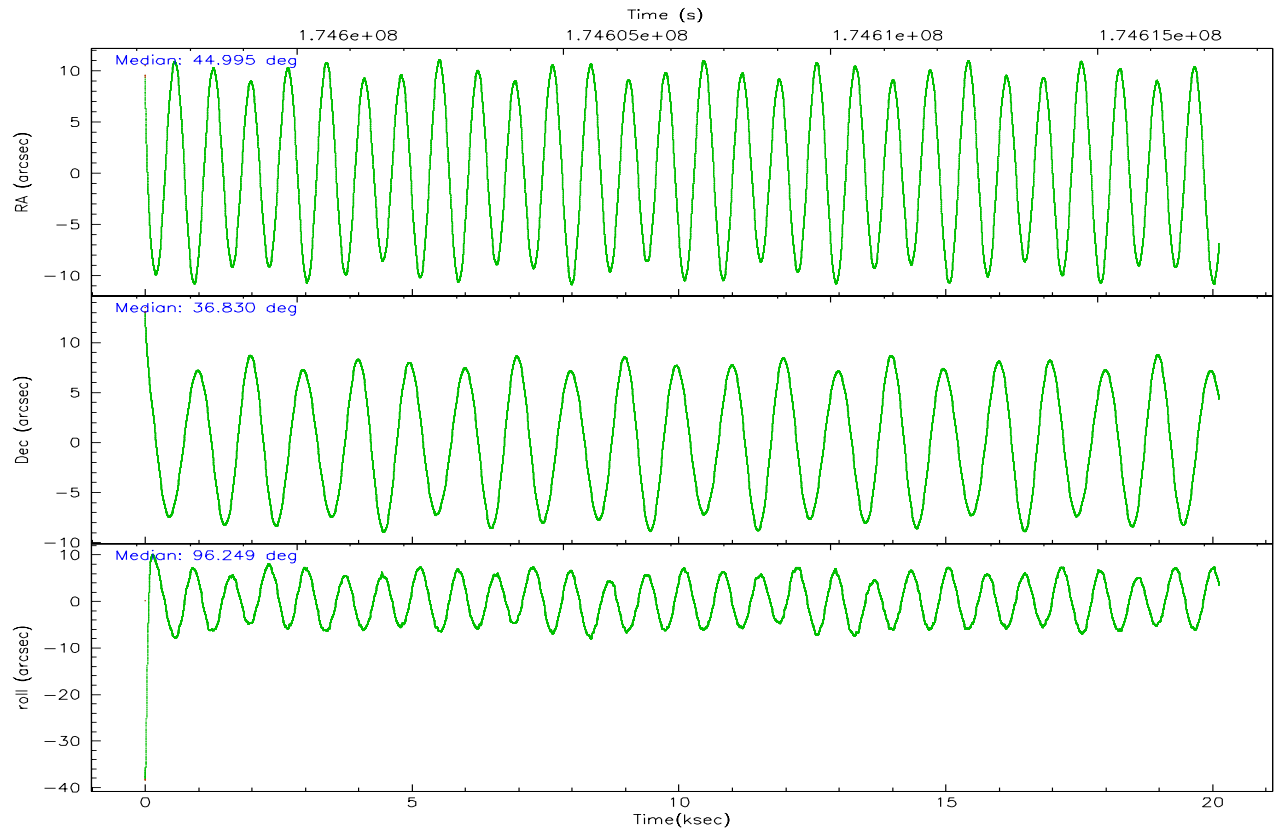
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6276	6102	6606	6268	6222	5083
	5%	5%	5%	5%	4%	2%
grade 1 events	51	51	65	78	62	110
	0%	0%	0%	0%	0%	0%
grade 2 events	3226	3301	2894	2690	3144	16984
	2%	2%	2%	2%	2%	9%
grade 3 events	1501	1537	1385	1402	1304	3790
	1%	1%	1%	1%	1%	2%
grade 4 events	4890	1524	1301	1483	1332	3584
	4%	1%	1%	1%	1%	2%
grade 5 events	5046	4845	4565	5241	5413	10671
	4%	4%	3%	4%	4%	6%
grade 6 events	2647	2976	2306	2458	3076	40804
	2%	2%	1%	2%	2%	23%
grade 7 events	97780	90614	99448	97122	104459	90024
	80%	81%	83%	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	45.015877	44.99536921490206	Alternating exposures requested	N	N
Pointing Dec	36.808209	36.82994829855823	Primary exposure time	0.000000	3.2
Pointing Roll	96.081774	96.2506636429796			
Roll angle	135.000000	135.000000			
Roll tolerance	45.000000	45.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	174597272.184000	174596157.21509			
Observation start date	2003-07-14T19:13:28	2003-07-14T18:55:57			
Observation end time	174617272.184000	174618205.99103			
Observation end date	2003-07-15T00:46:48	2003-07-15T01:03:25			
Read mode	TIMED	TIMED			

2.3 Aspect



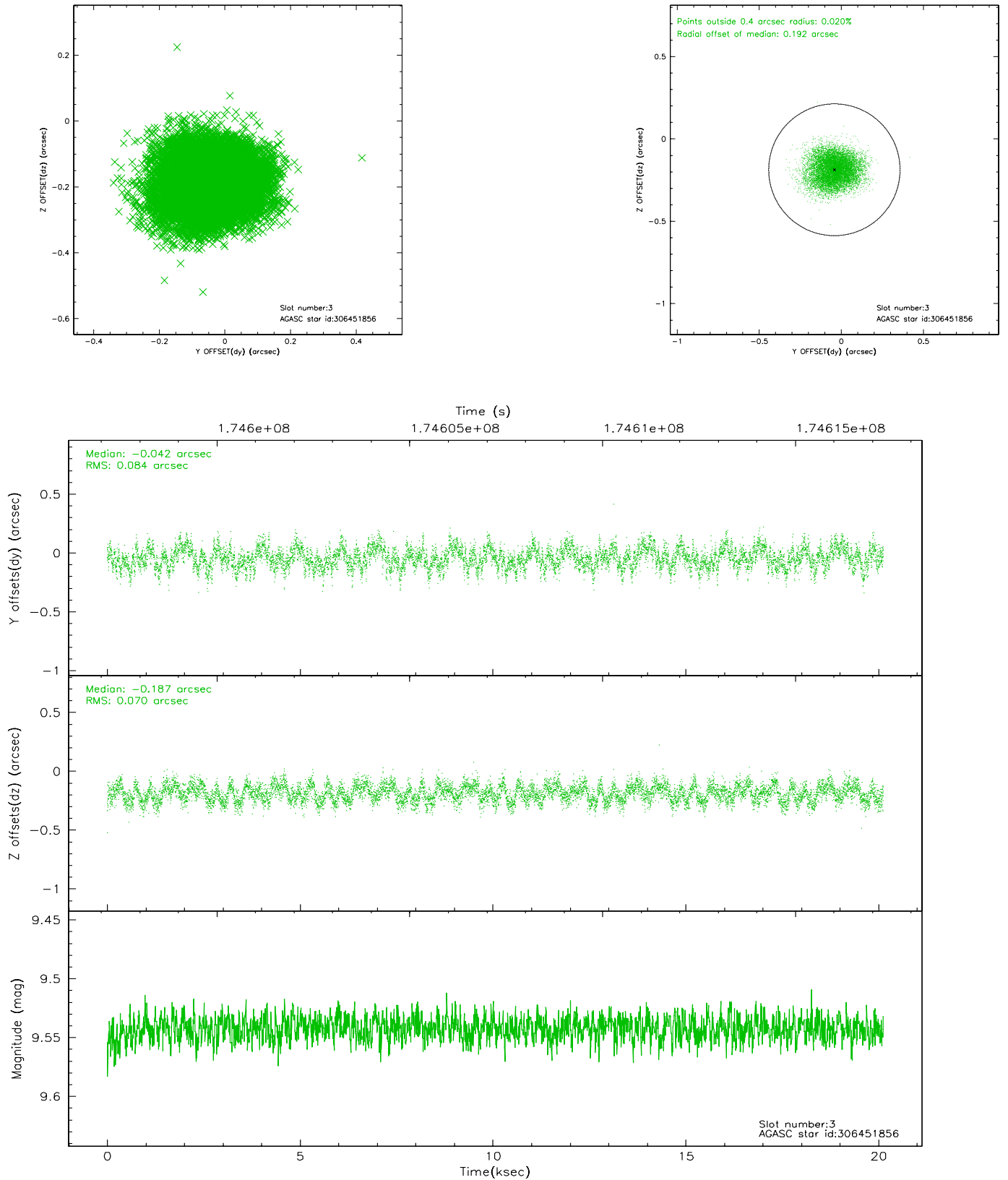


Slot Statistics

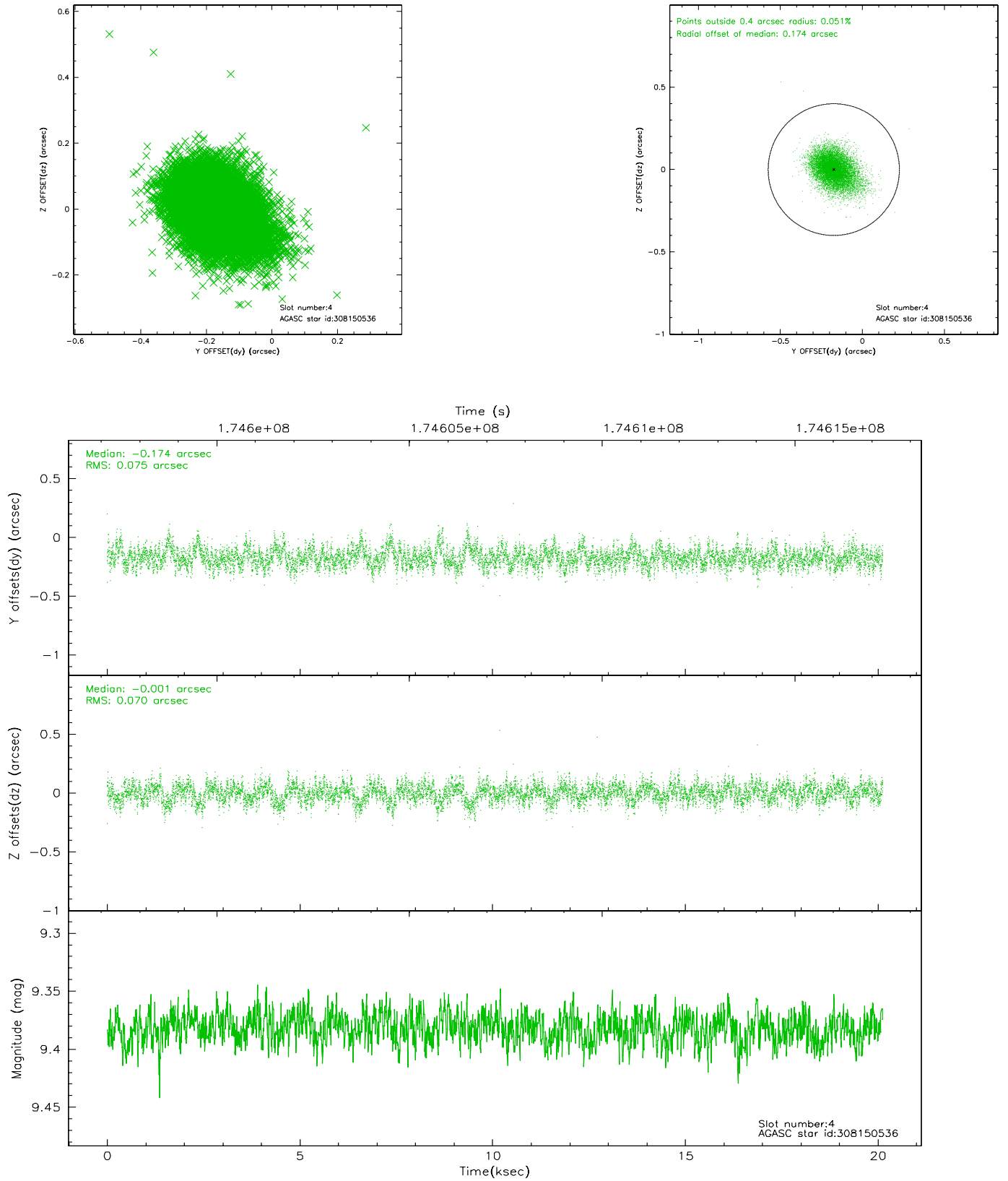
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4909	-0.028	0.009	0.010	0.017	0.000000	0.000000	-760.35	-1731.82
1	FID	ACIS-S-4	7.20	4909	0.034	0.011	0.007	0.012	0.000000	0.000000	2152.86	176.53
2	FID	ACIS-S-5	7.23	4909	-0.037	-0.011	0.008	0.012	0.000000	0.000000	-1813.01	170.31
3	GUIDE	306451856	9.54	9815	-0.042	-0.187	0.117	0.185	44.377223	37.306027	1982.09	1628.10
4	GUIDE	308150536	9.38	9812	-0.174	-0.001	0.107	0.180	45.286807	37.442091	2188.56	-1011.62
5	GUIDE	308150584	8.99	9813	-0.105	0.115	0.074	0.120	45.004794	37.427416	2220.39	-204.47
6	GUIDE	308151808	9.54	9812	0.288	0.034	0.099	0.163	45.425869	36.375999	-1669.74	-1017.04
7	GUIDE	308152544	7.78	9817	0.031	0.045	0.066	0.104	45.898515	36.442005	-1570.09	-2403.92

2.4 Star Slots

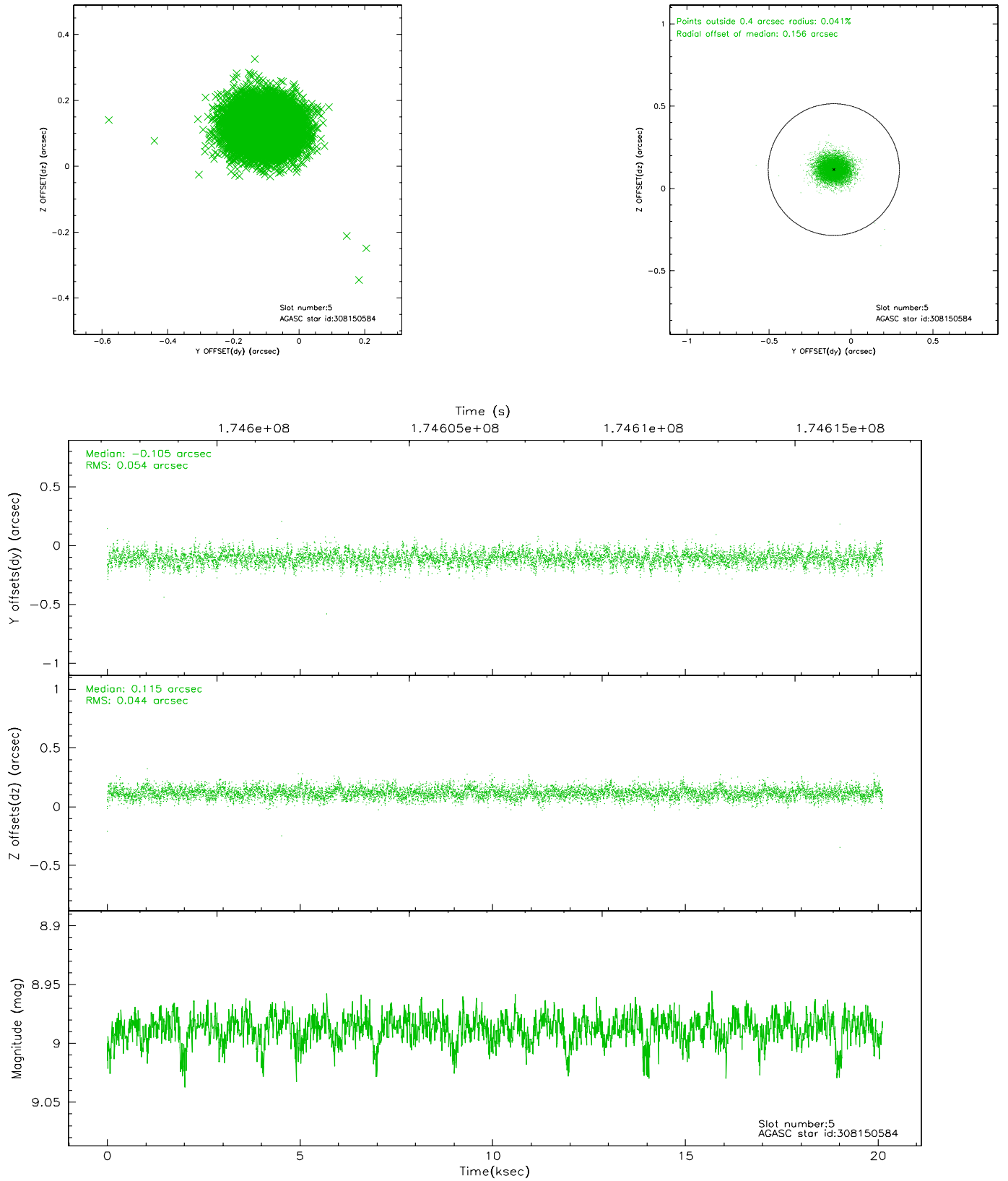
2.4.1 Slot 3



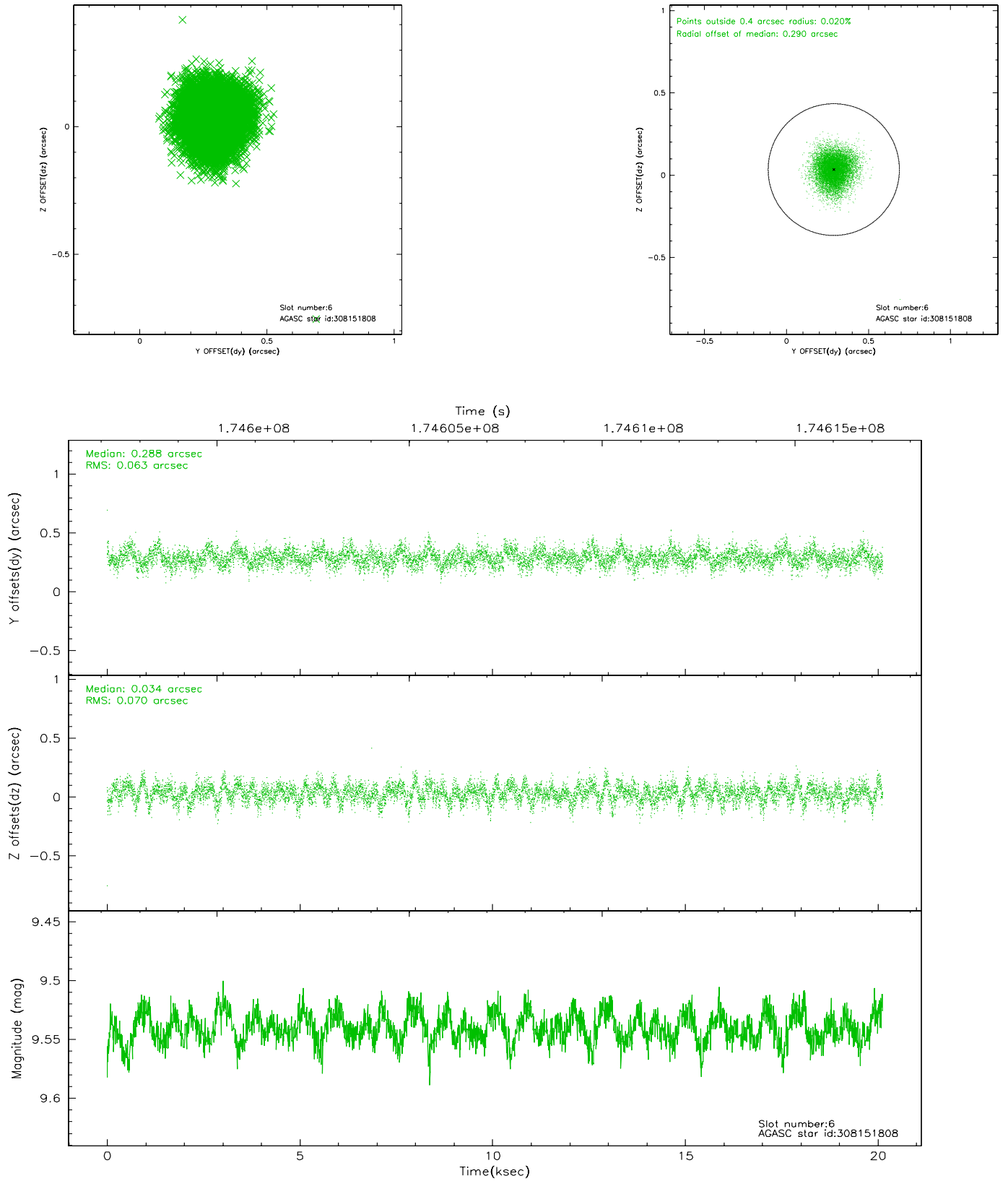
2.4.2 Slot 4



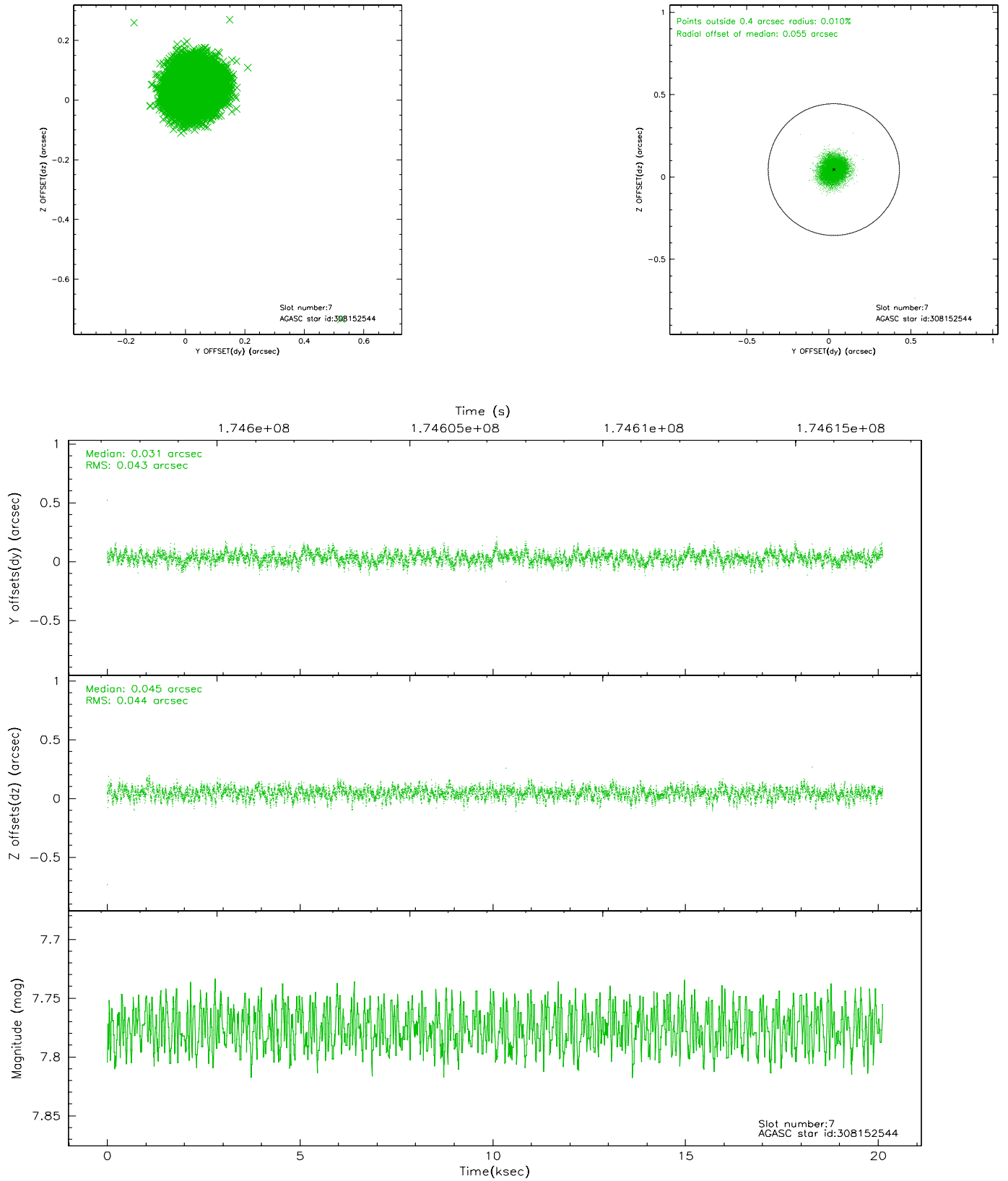
2.4.3 Slot 5



2.4.4 Slot 6

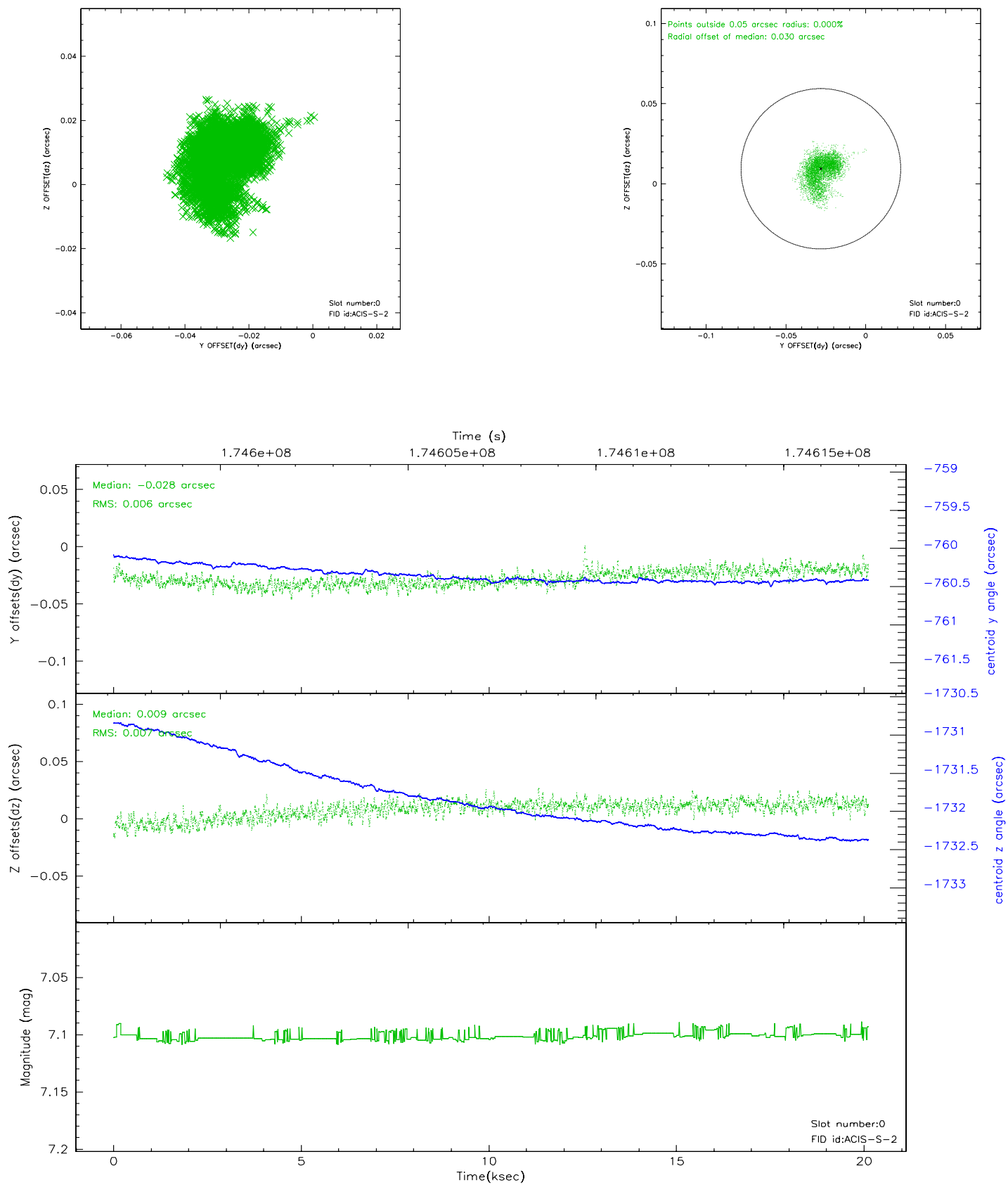


2.4.5 Slot 7

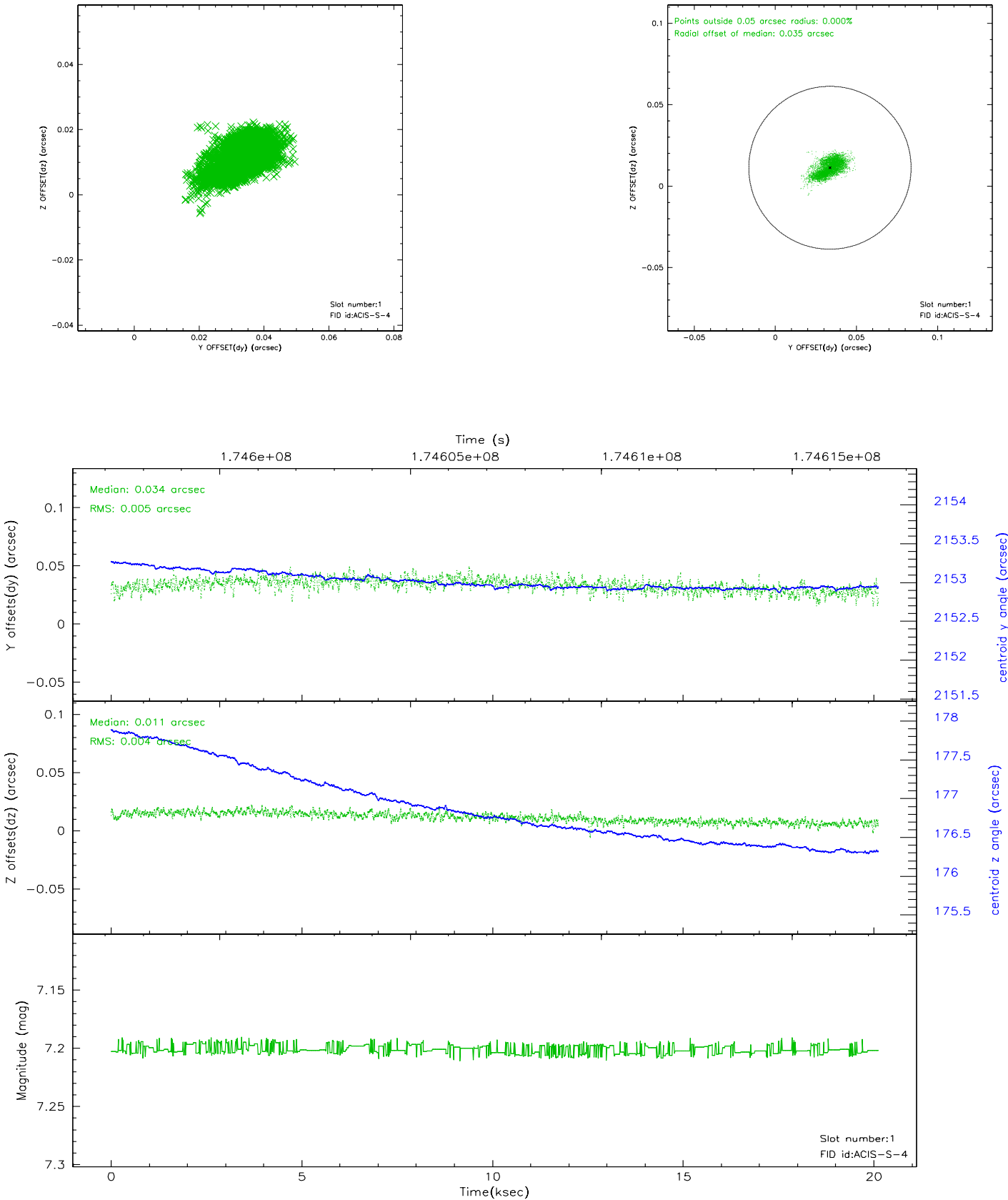


2.5 FID Slots

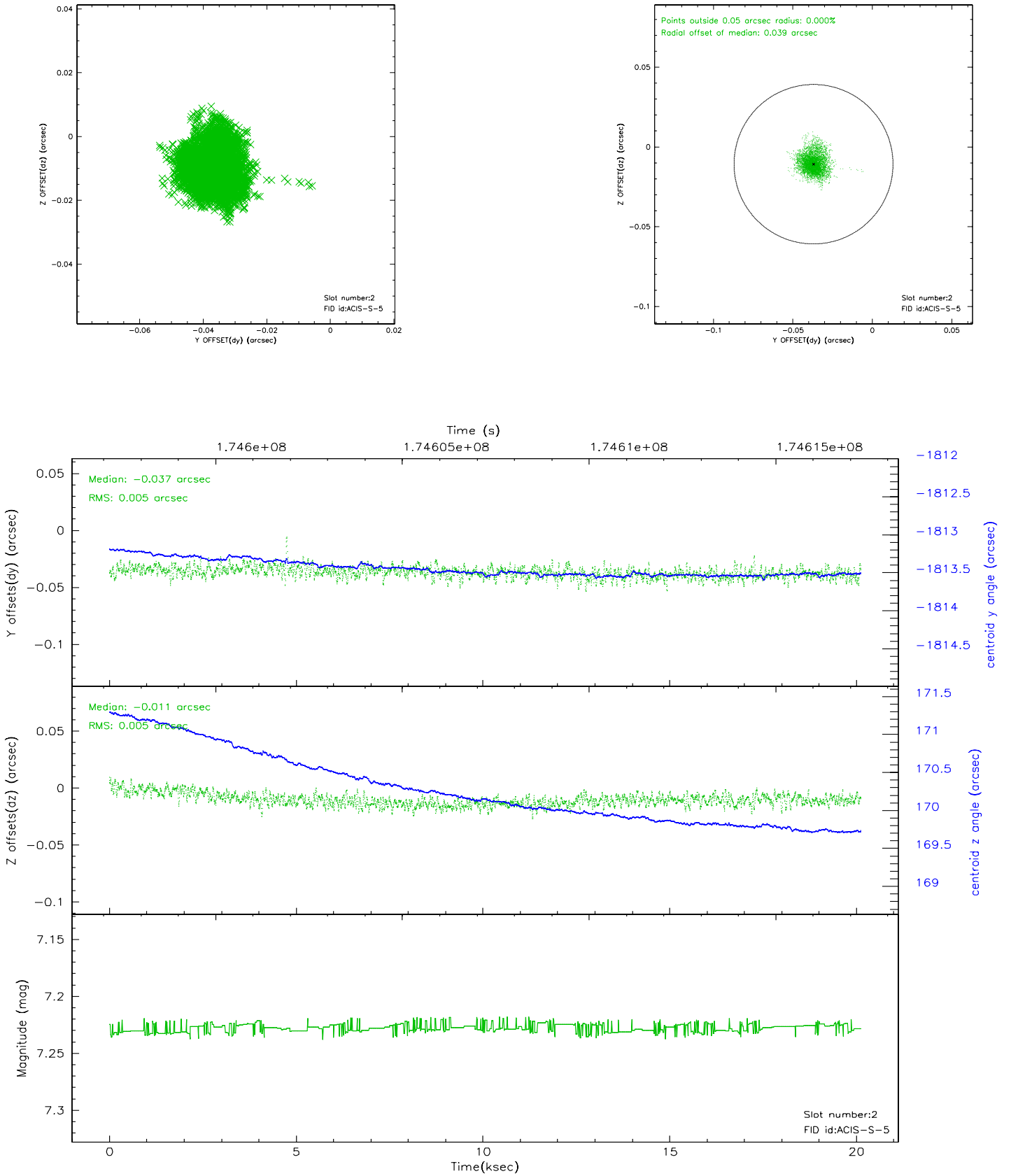
2.5.1 Slot 0



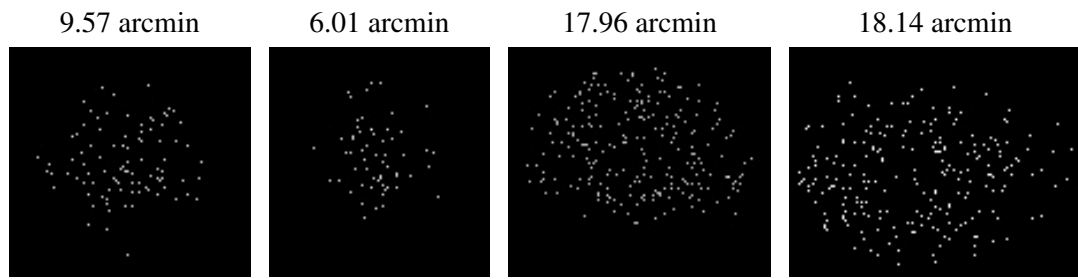
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.121

A.2 Comments

Roll constraint satisfied.

Focal plane temperature is warmer than -118 degrees during initial ~10 ksec of observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.