

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7455 - L2 Version 2
Chandra X-Ray Center

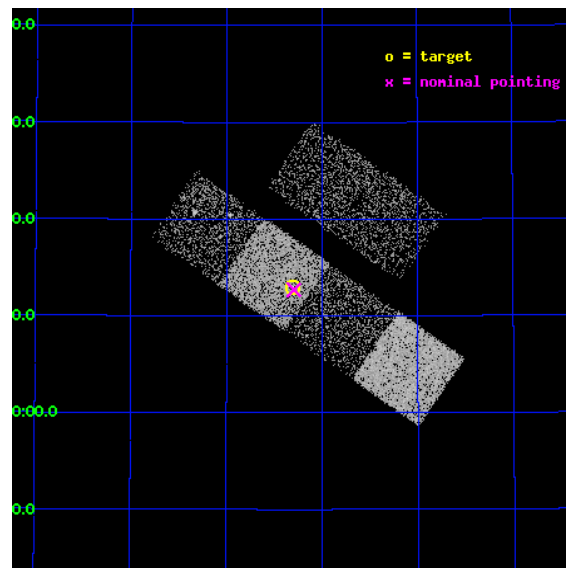
L2 Processing Date : Apr 25 2012

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1 Front

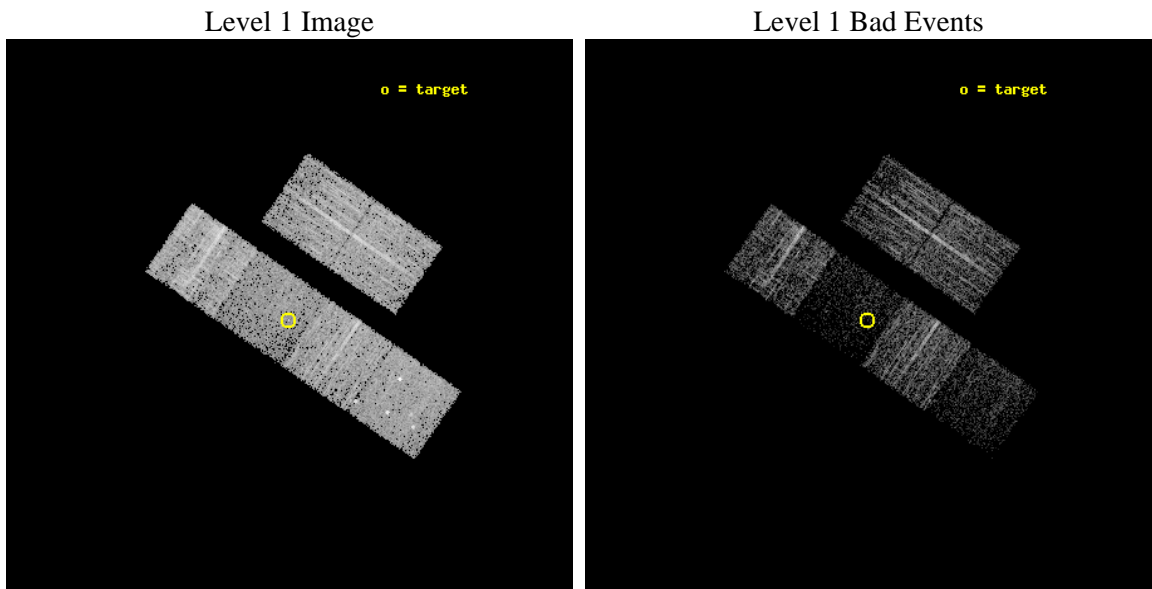
seq_num	300189	Sequence number
obs_id	7455	Observation id
title	X-ray Measures of Two New Double-Degenerate, Ultracompact AM CVn Binaries	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J1411+4812	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.82625	Observer's specified target RA [deg]
dec_targ	48.216	Observer's specified target Dec [deg]
ra_nom	212.82342377996	Nominal RA [deg]
dec_nom	48.21155940187	Nominal Dec [deg]
roll_nom	214.68040317019	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3177.5999882221	Sum of GTIs [s]
livetime	3137.3633038502	Livetime [s]
ontime2	3177.5999882221	Sum of GTIs [s]
ontime3	3177.5999882221	Sum of GTIs [s]
ontime5	3177.5999882221	Sum of GTIs [s]
ontime6	3177.5999882221	Sum of GTIs [s]
ontime7	3177.5999882221	Sum of GTIs [s]
ontime8	3177.5999882221	Sum of GTIs [s]
l2events	22827	Number of level 2 events



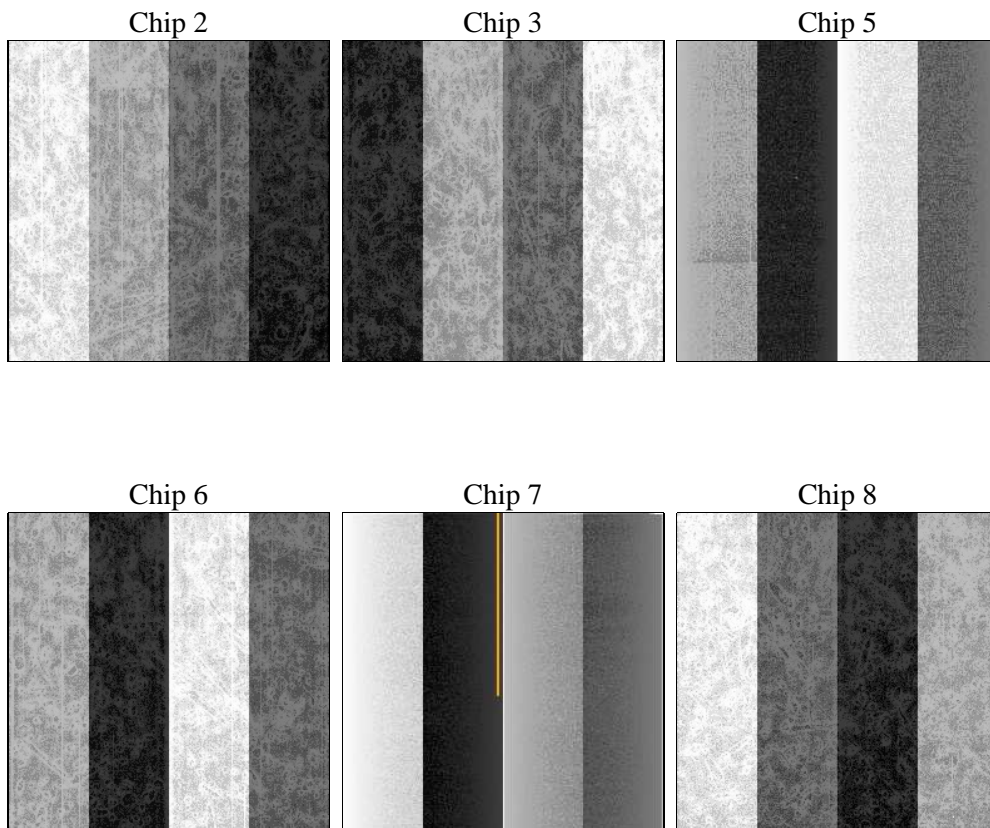
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3177.5999882221	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3177.5999882221	Sum of GTIs [s]
date	2012-04-25T20:08:56	Date and time of file creation	ontime3	3177.5999882221	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3177.5999882221	Sum of GTIs [s]
			ontime6	3177.5999882221	Sum of GTIs [s]
			ontime7	3177.5999882221	Sum of GTIs [s]
			ontime8	3177.5999882221	Sum of GTIs [s]
			l1events	121678	Number of level 1 events

2.1.4 Events

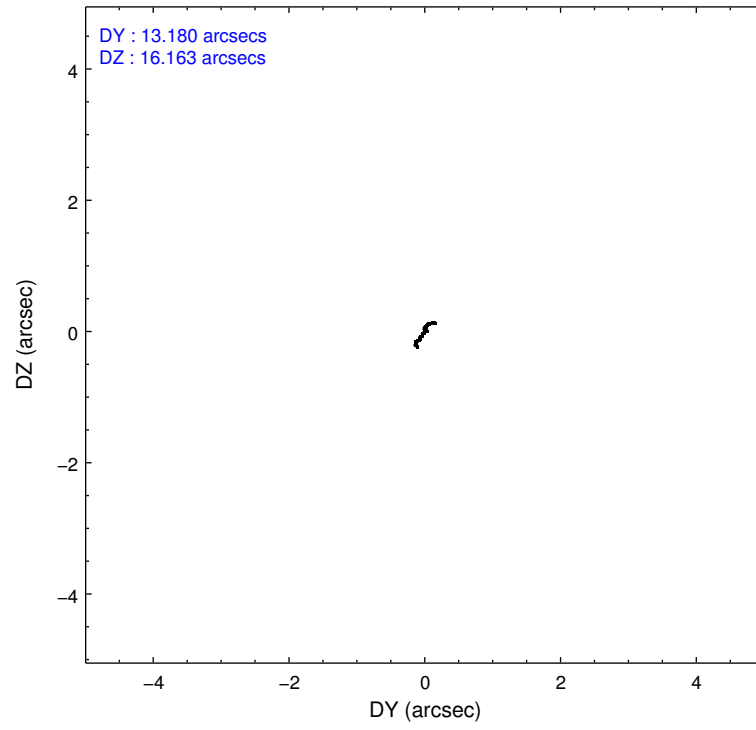
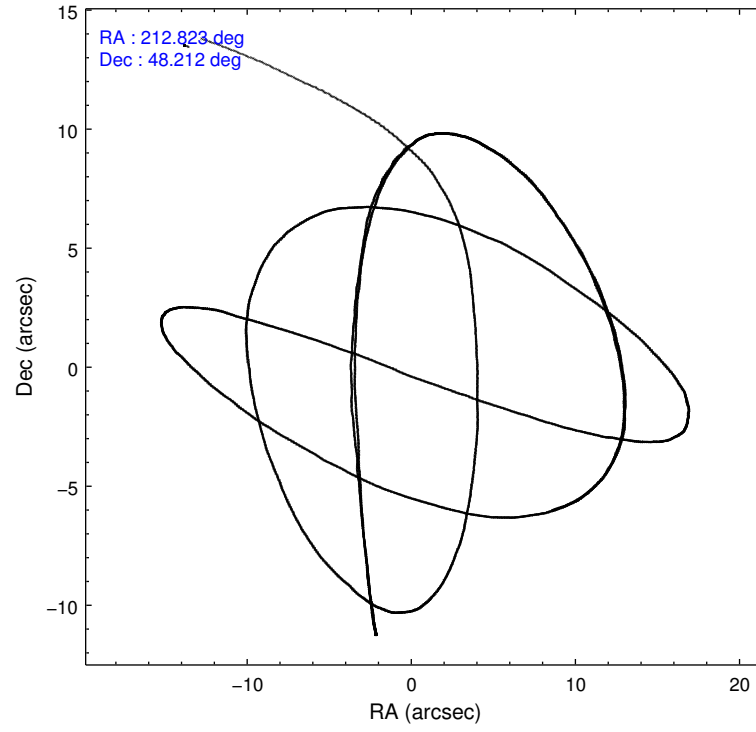
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22031	20470	19233	21083	12390	26471
rejected events	20248	18867	7321	19181	5354	19618
rejected %	91%	92%	38%	90%	43%	74%

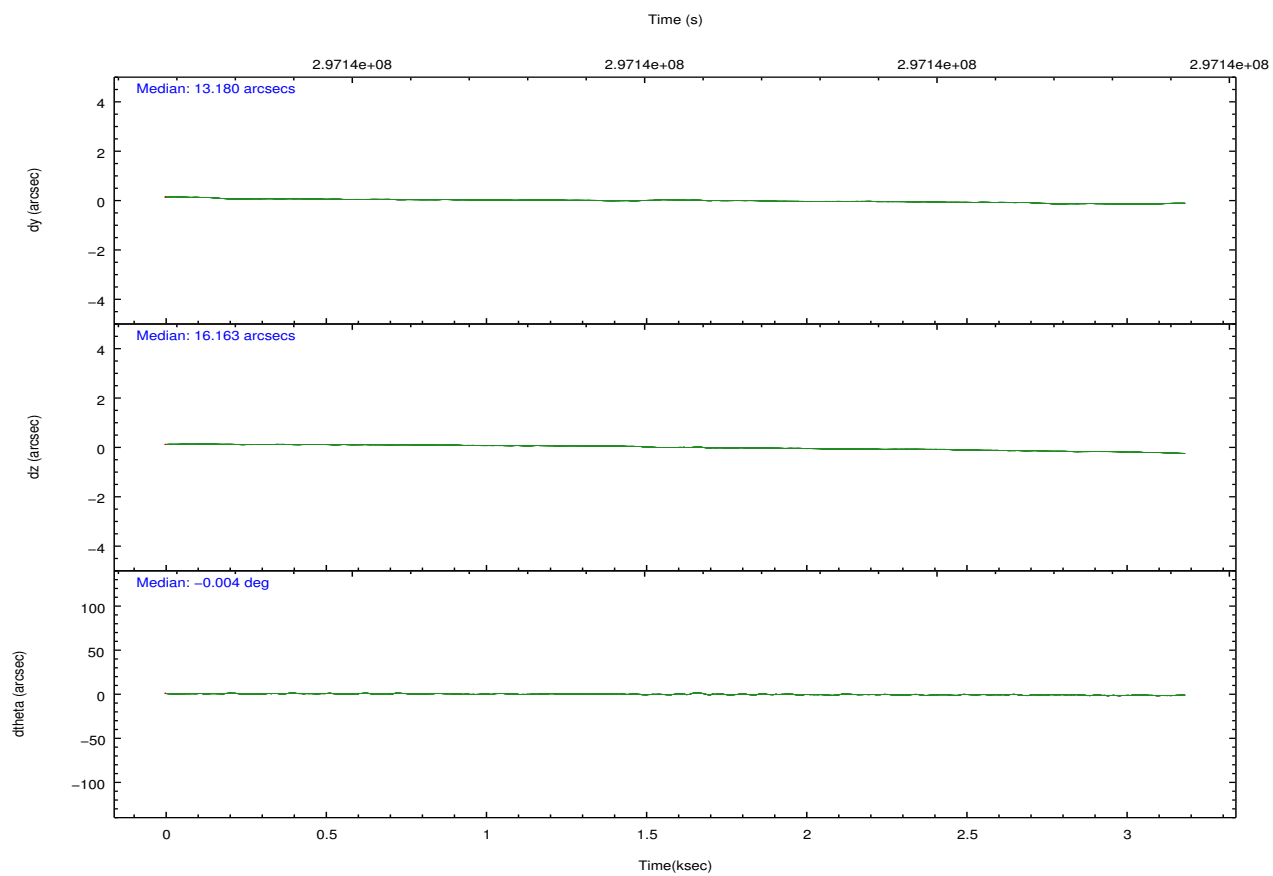
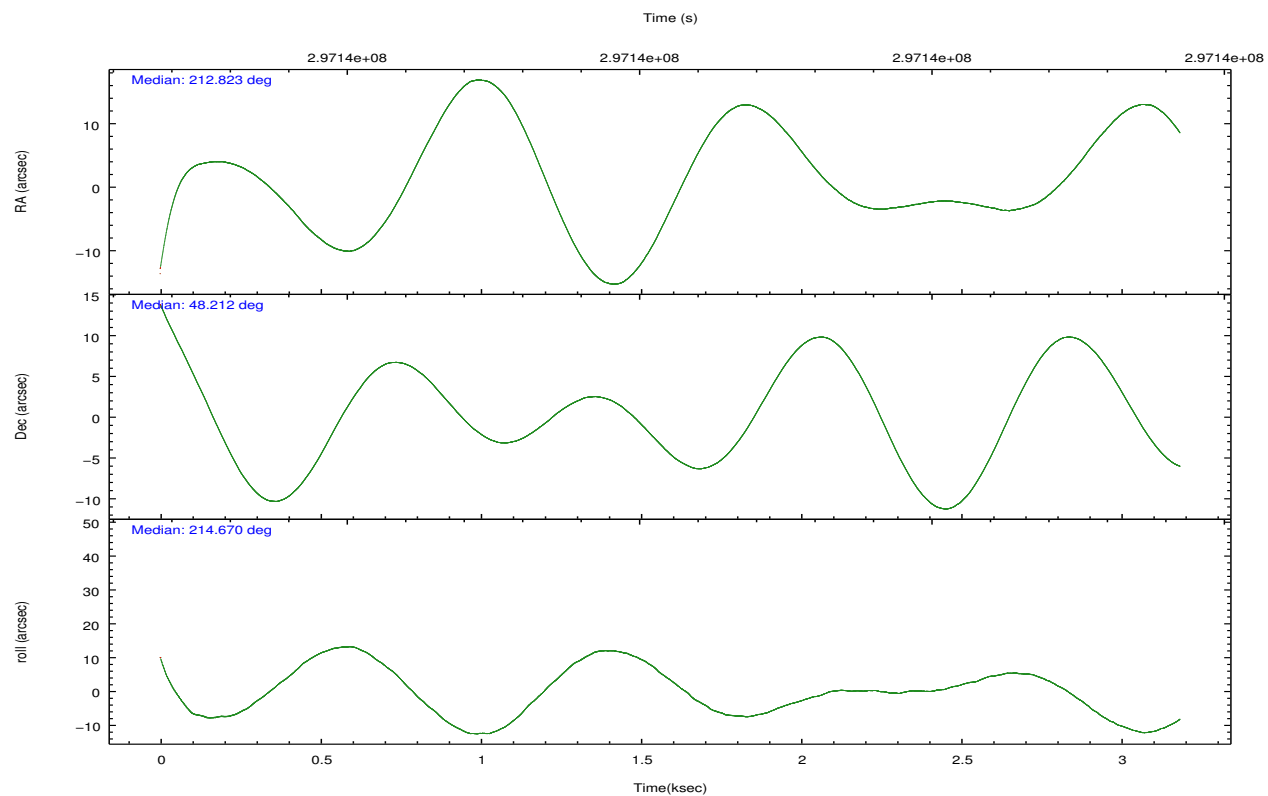
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	714	650	2396	801	983	2071
	3%	3%	12%	3%	7%	7%
grade 1 events	8	7	90	5	29	19
	0%	0%	0%	0%	0%	0%
grade 2 events	430	358	3606	420	1700	1529
	1%	1%	18%	1%	13%	5%
grade 3 events	174	184	551	221	730	723
	0%	0%	2%	1%	5%	2%
grade 4 events	186	177	544	200	723	711
	0%	0%	2%	0%	5%	2%
grade 5 events	316	380	1432	395	1283	699
	1%	1%	7%	1%	10%	2%
grade 6 events	298	248	4900	279	2961	1831
	1%	1%	25%	1%	23%	6%
grade 7 events	19905	18466	5714	18762	3981	18888
	90%	90%	29%	88%	32%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	212.840385	212.8234237799557	Subarray requested	NONE	NONE
[deg] Pointing Dec	48.236422	48.21155940186951	Alternating exposures requested	N	N
[deg] Pointing Roll	214.511112	214.6804031701877	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	297135702.184000	297134616.5677			
Observation start date	2007-06-02T01:40:37	2007-06-02T01:23:36			
[s] Observation end time (MET)	297138702.184000	297139289.03043			
Observation end date	2007-06-02T02:30:37	2007-06-02T02:41:29			
Read mode	TIMED	TIMED			

2.3 Aspect



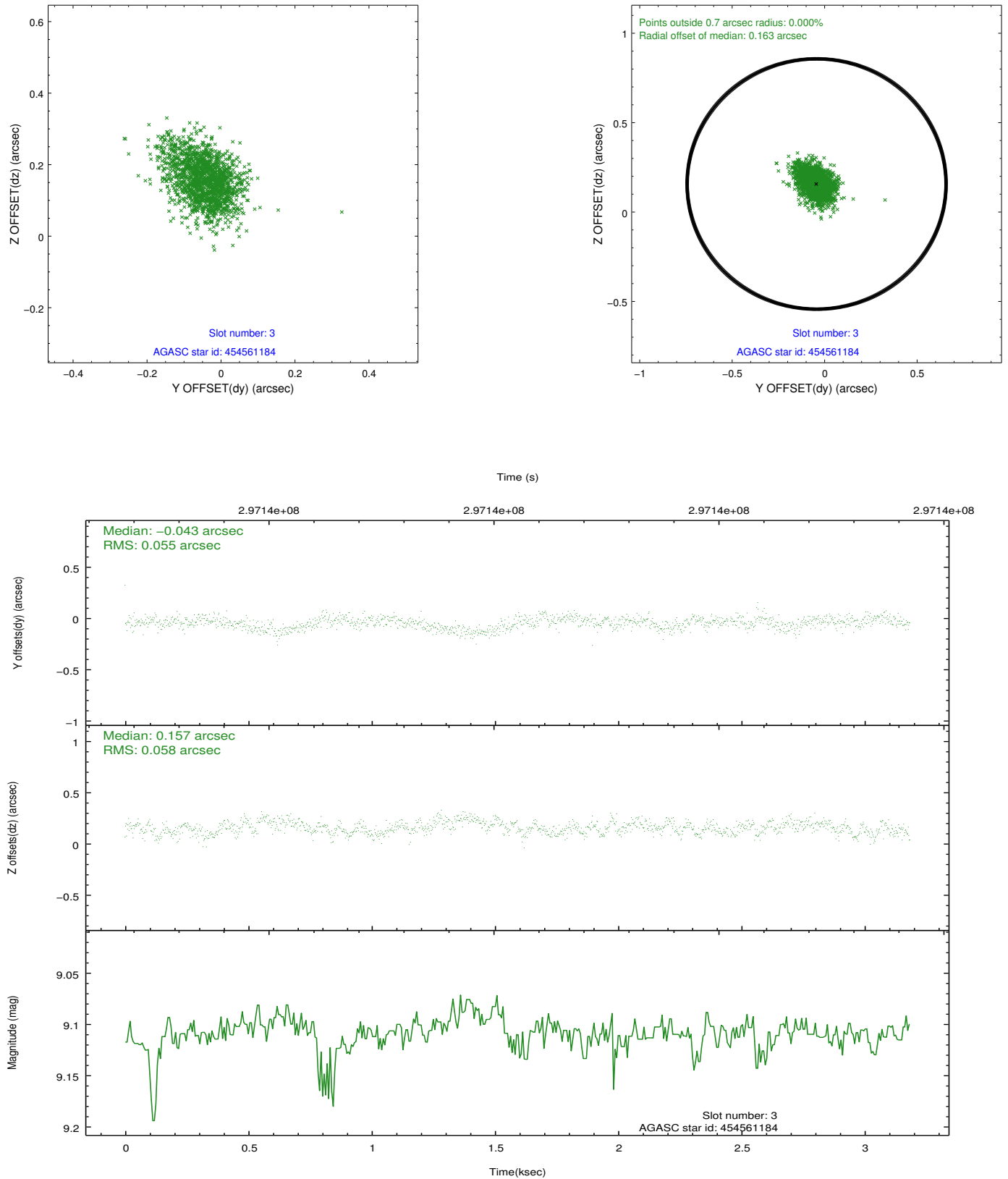


Slot Statistics

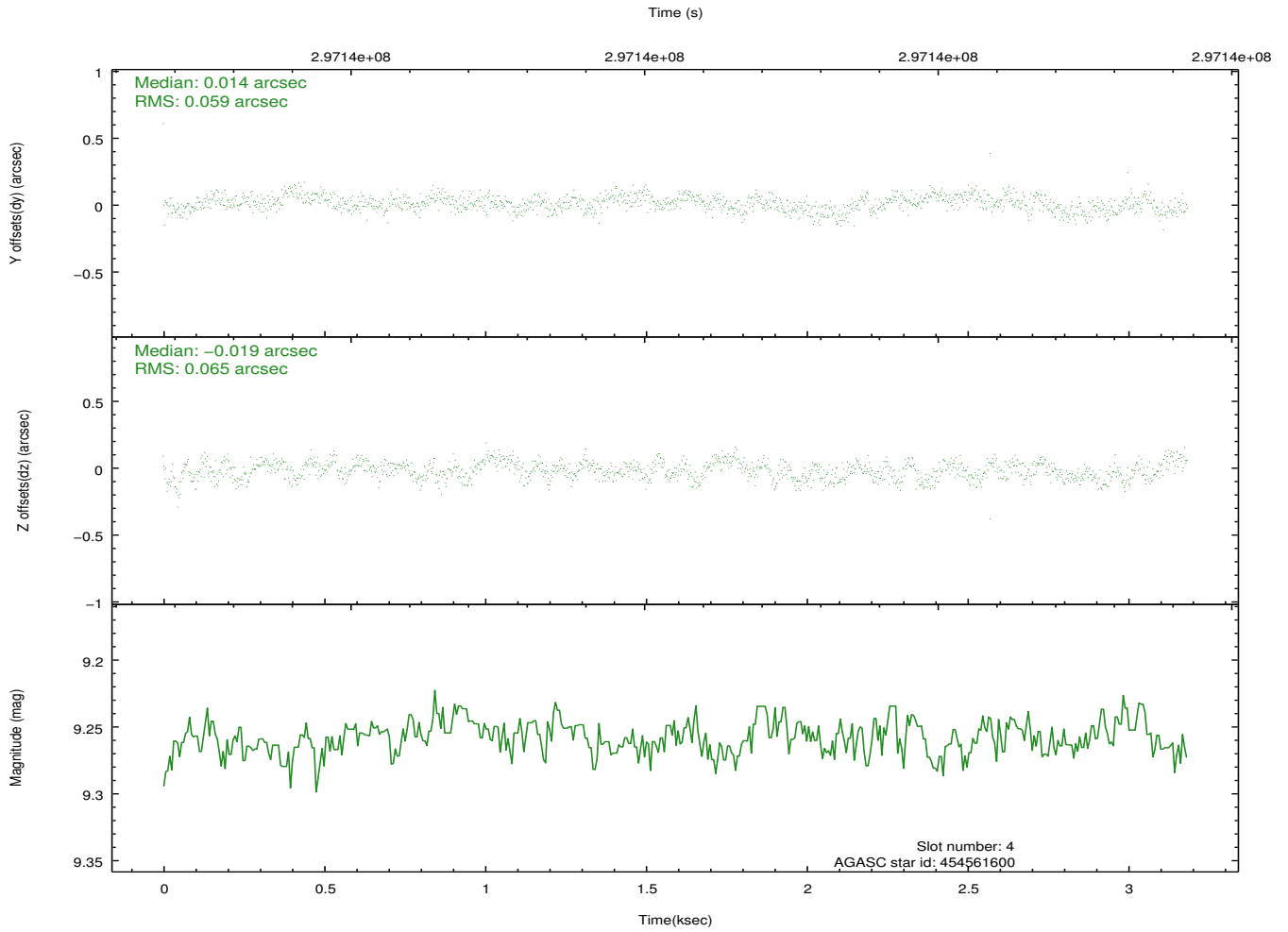
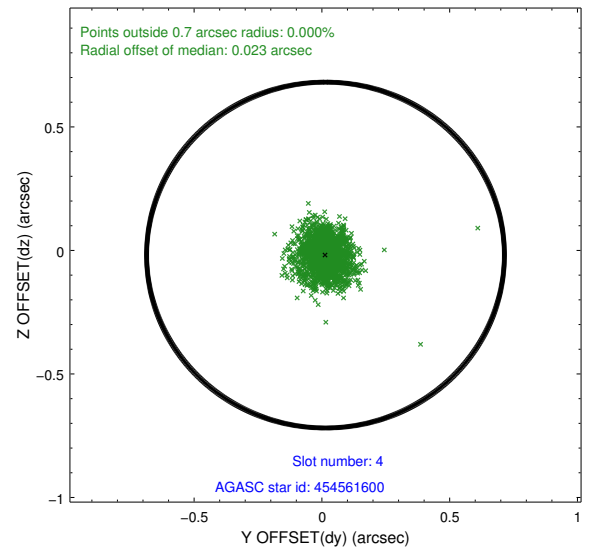
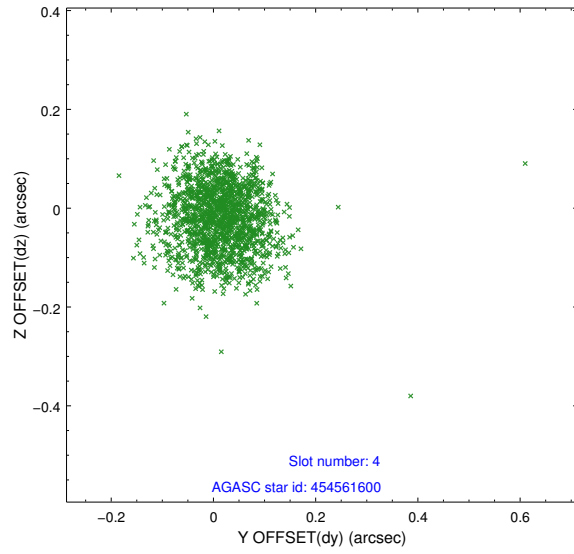
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	777	-0.041	-0.025	0.007	0.012	0.000000	0.000000	-766.12	-1737.55
1	FID	ACIS-S-4	7.19	777	0.169	0.027	0.005	0.012	0.000000	0.000000	2146.44	168.92
2	FID	ACIS-S-5	7.22	777	-0.160	0.007	0.008	0.013	0.000000	0.000000	-1816.53	164.84
3	GUIDE	454561184	9.11	1551	-0.043	0.157	0.082	0.140	213.474906	48.244746	-1273.74	832.10
4	GUIDE	454561600	9.26	1554	0.014	-0.019	0.092	0.145	212.432439	48.500007	262.71	-1334.77
5	GUIDE	454565640	9.86	1553	0.094	-0.047	0.151	0.250	211.819698	48.172778	2140.72	-1213.03
6	GUIDE	454565856	8.60	1552	-0.048	0.035	0.069	0.112	213.746500	47.934503	-1190.94	2122.12
7	GUIDE	454564464	8.63	1553	-0.019	-0.136	0.088	0.136	213.465743	47.721564	-201.95	2381.46

2.4 Star Slots

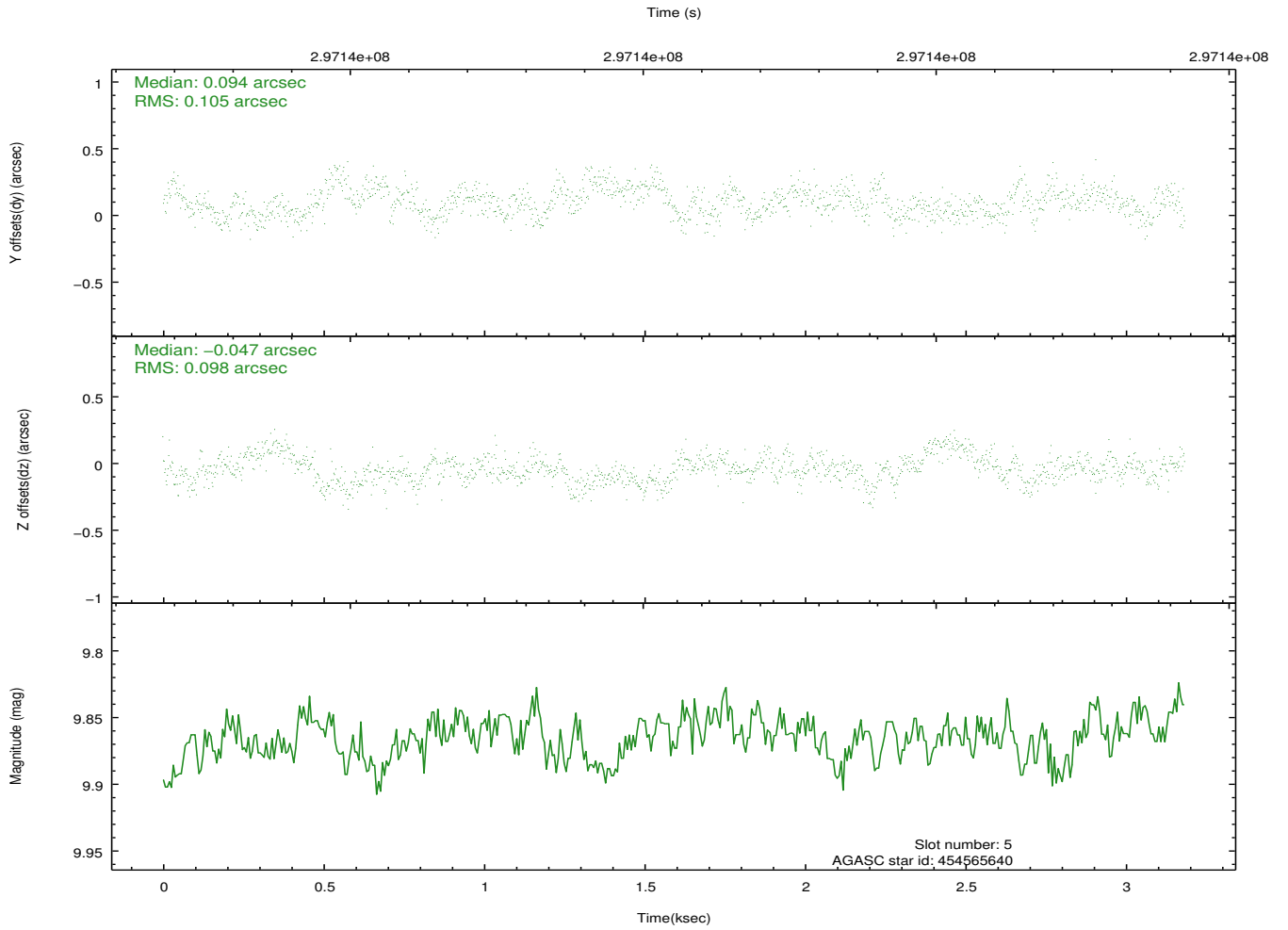
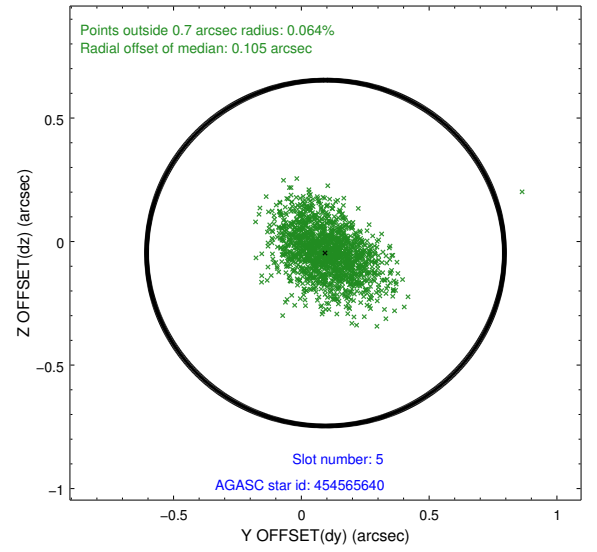
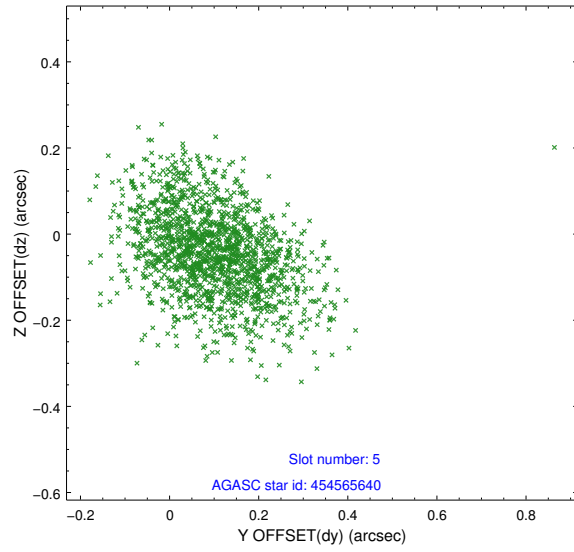
2.4.1 Slot 3



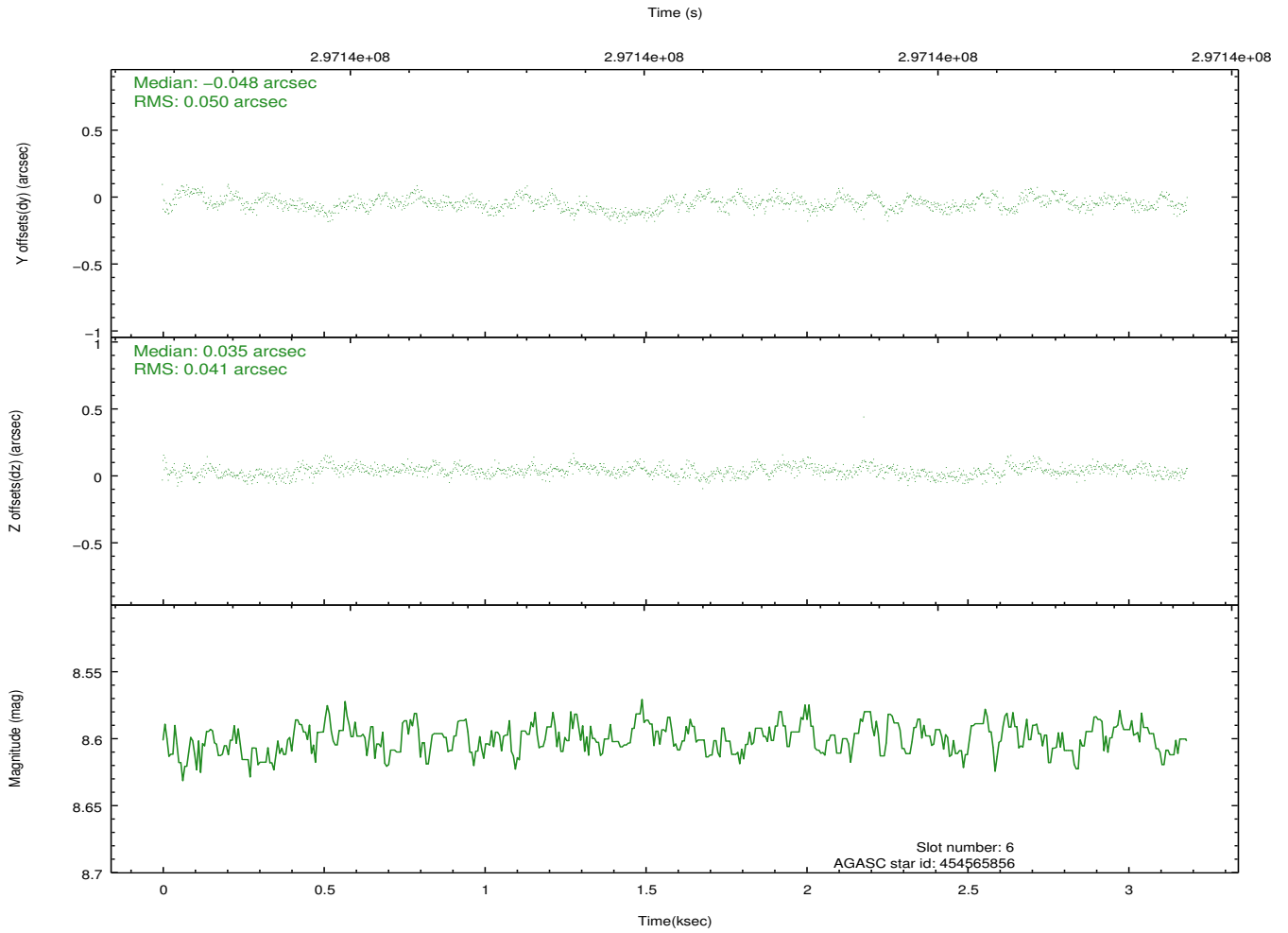
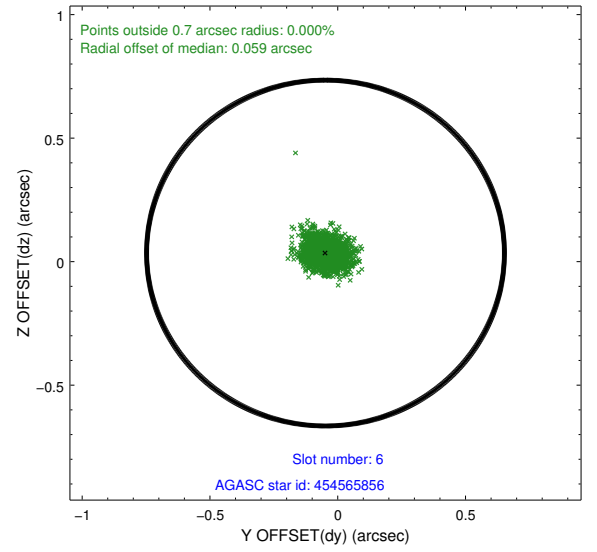
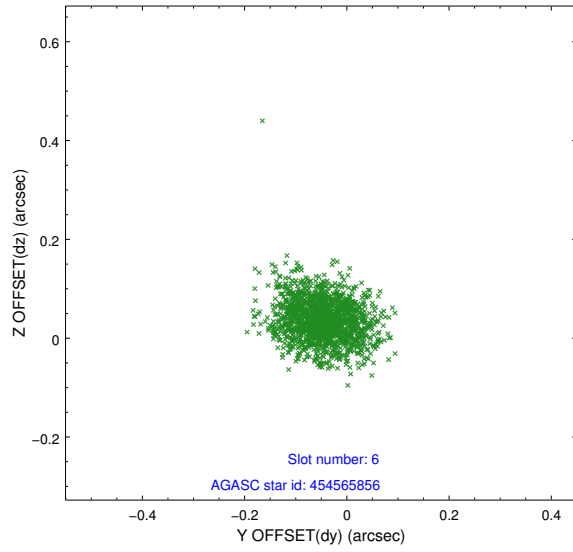
2.4.2 Slot 4



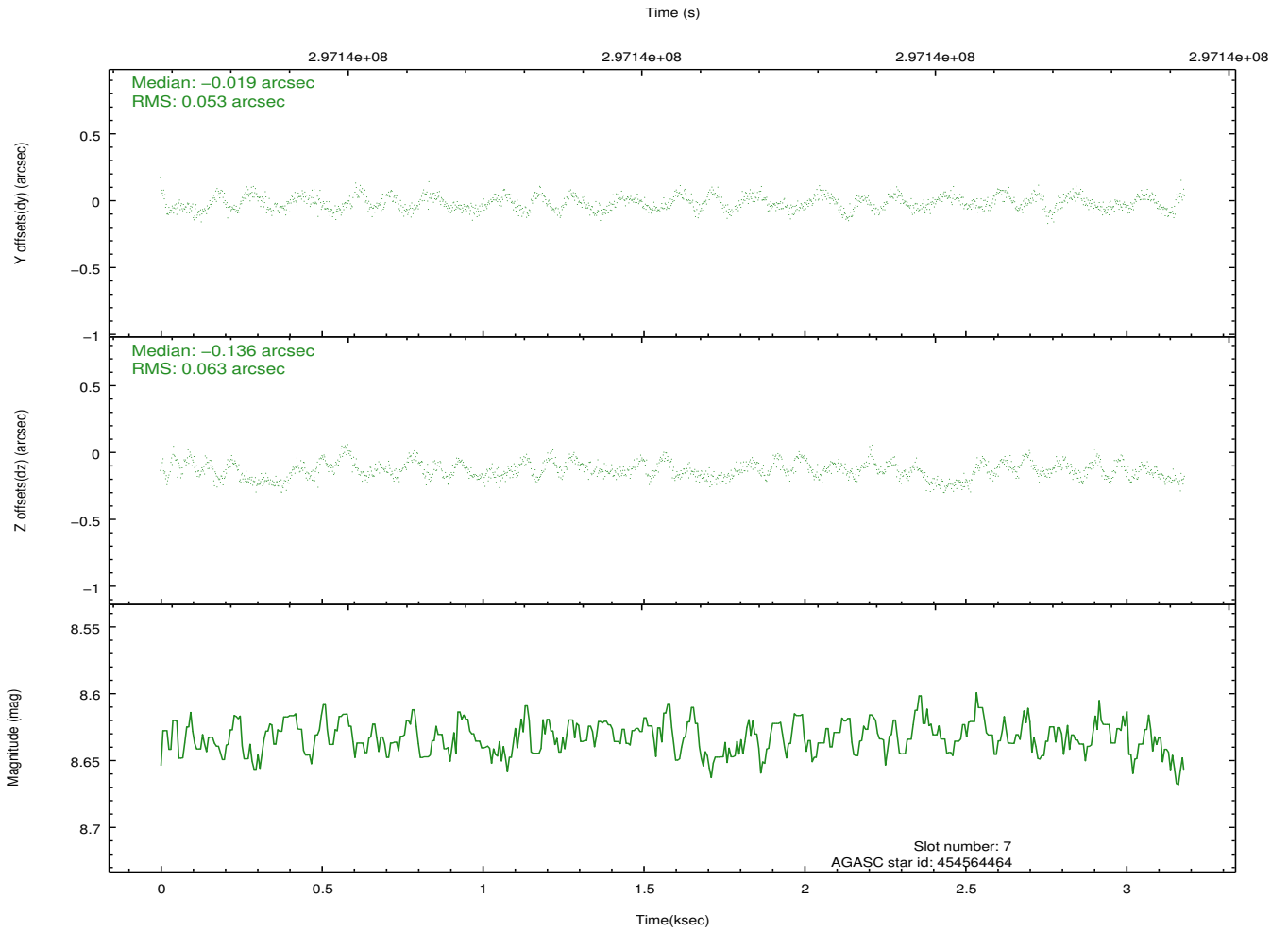
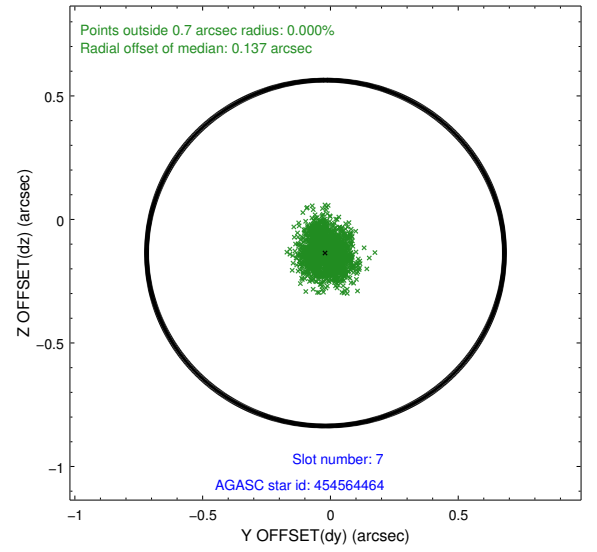
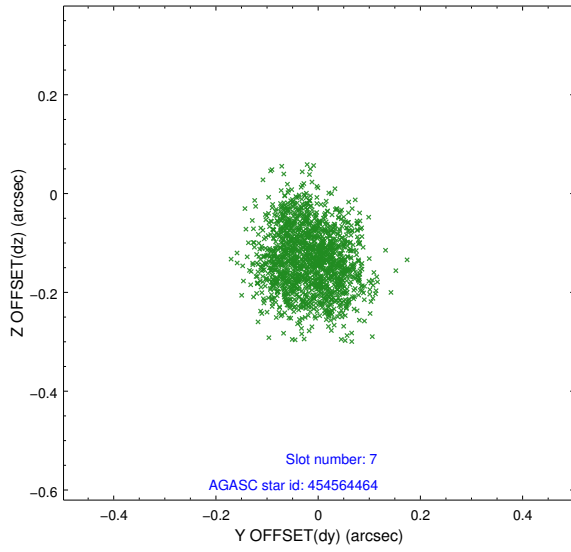
2.4.3 Slot 5



2.4.4 Slot 6

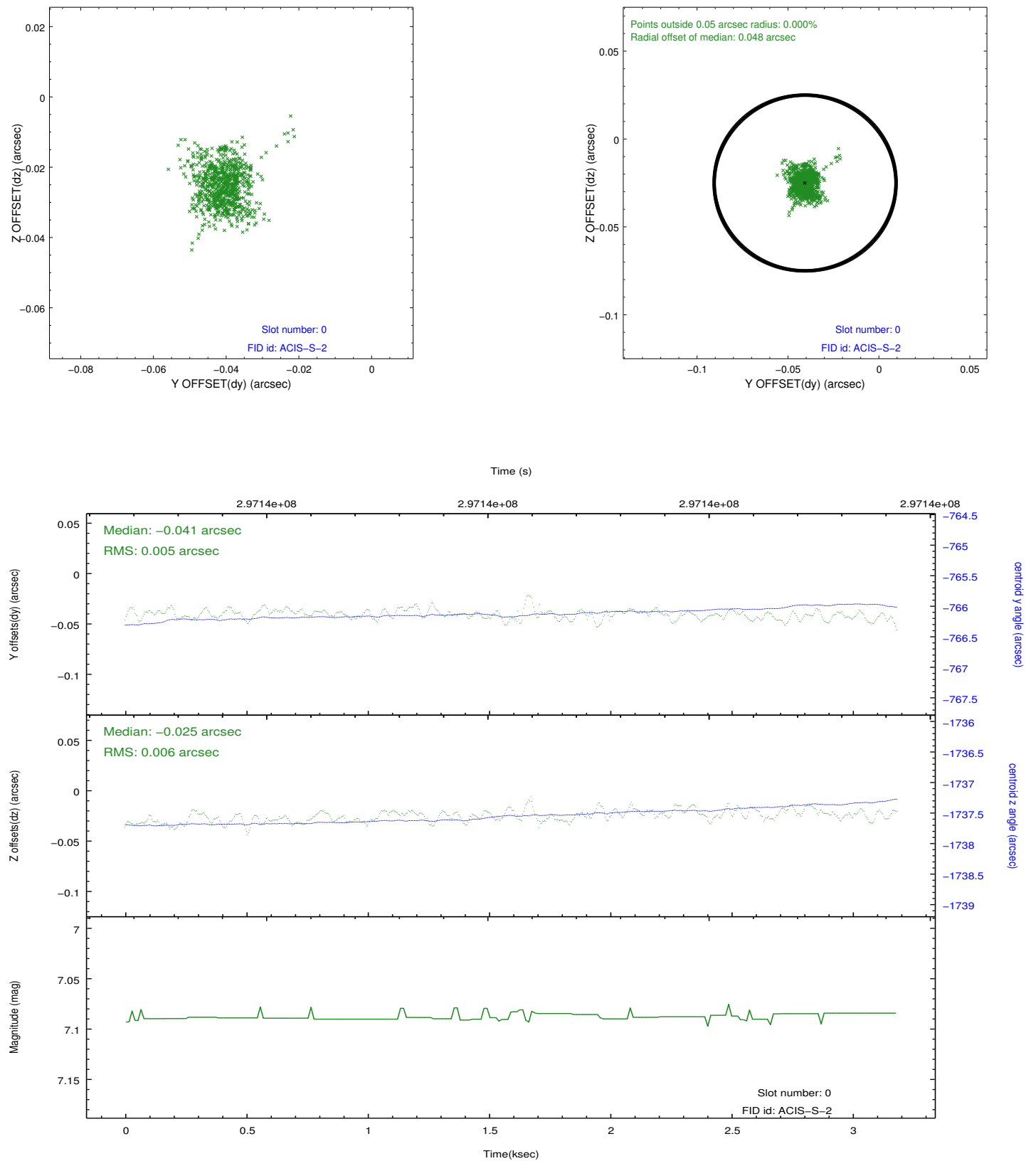


2.4.5 Slot 7

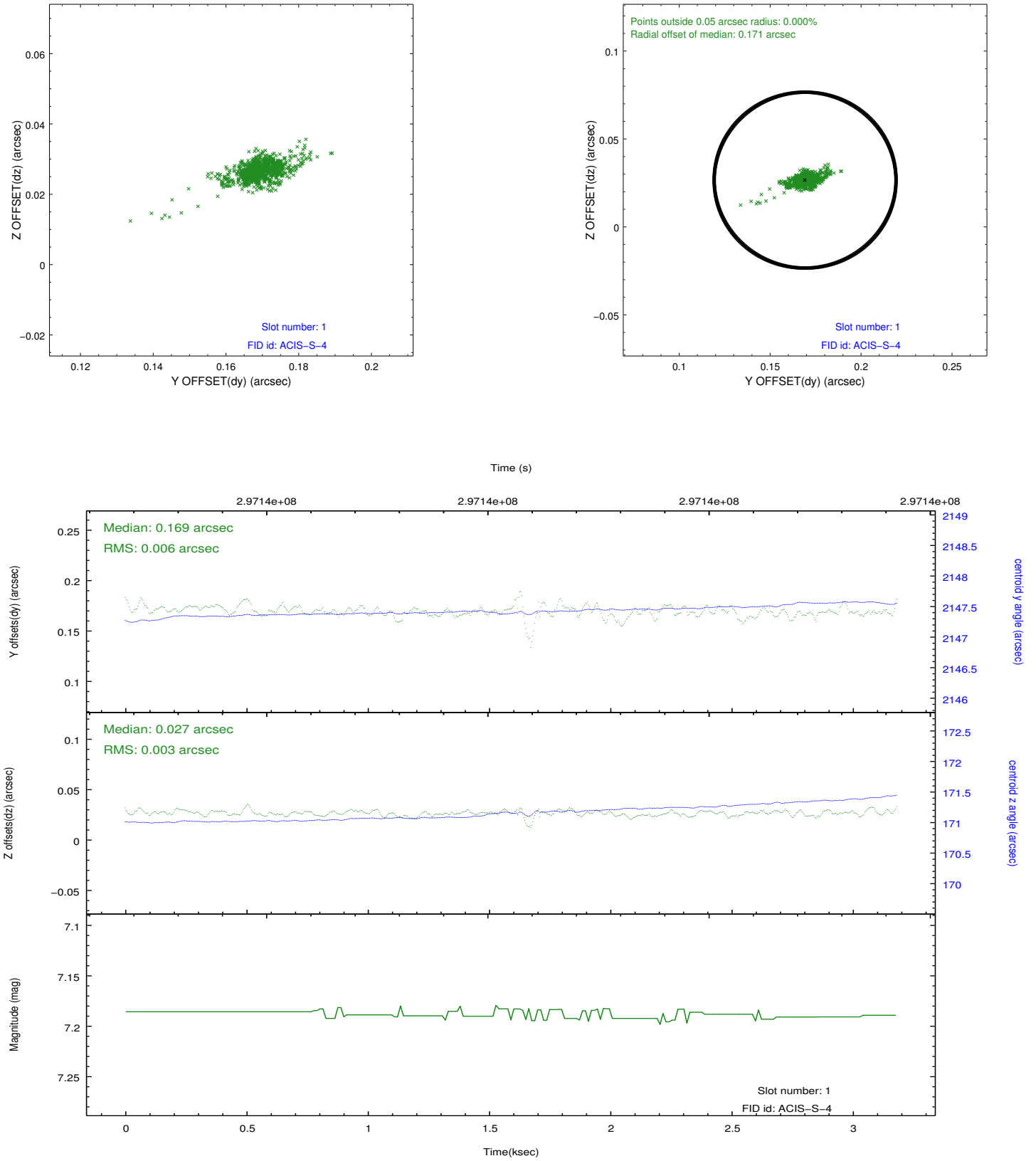


2.5 FID Slots

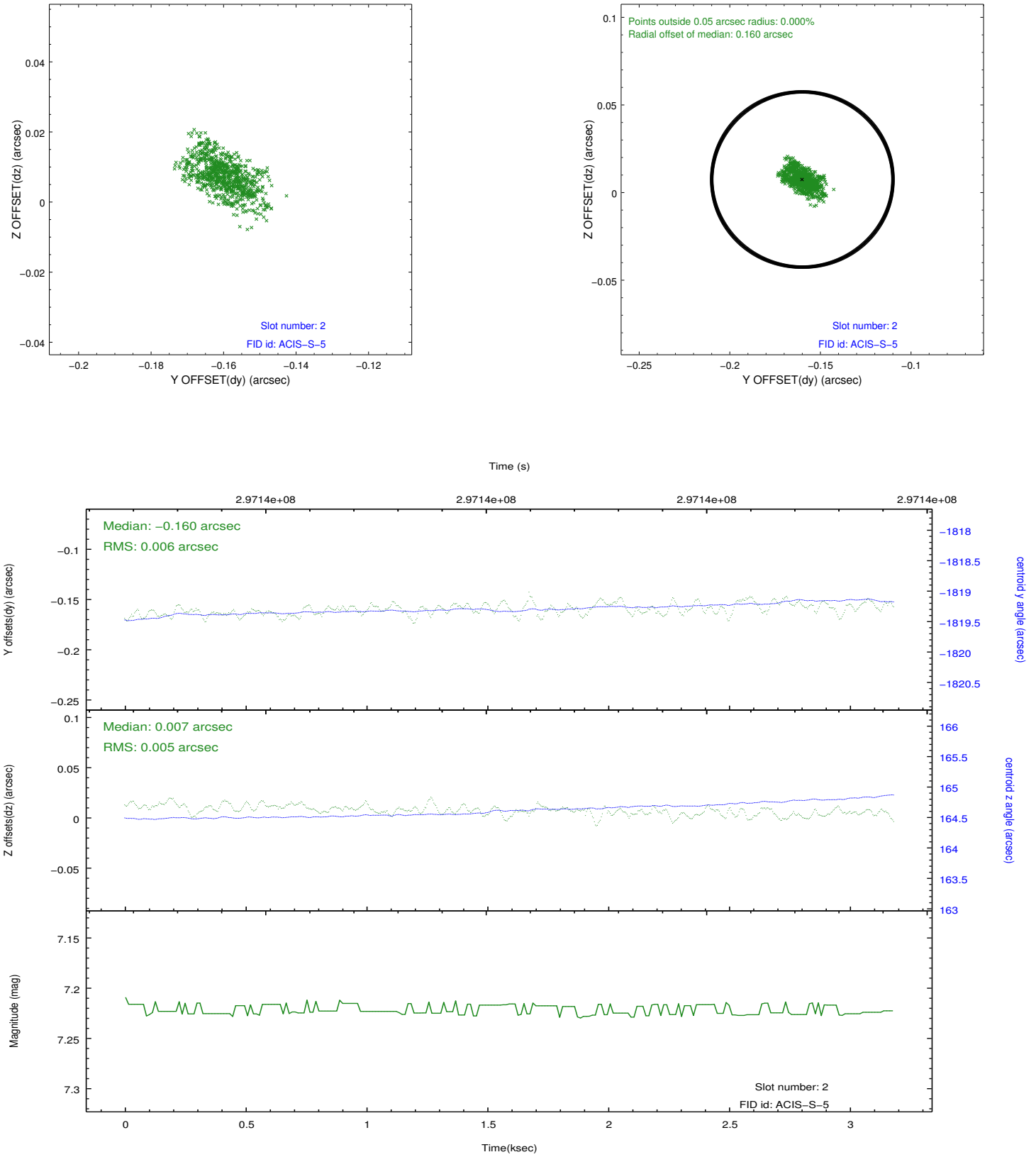
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.17759998

A.2 Comments