

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12899 - L2 Version 3
Chandra X-Ray Center

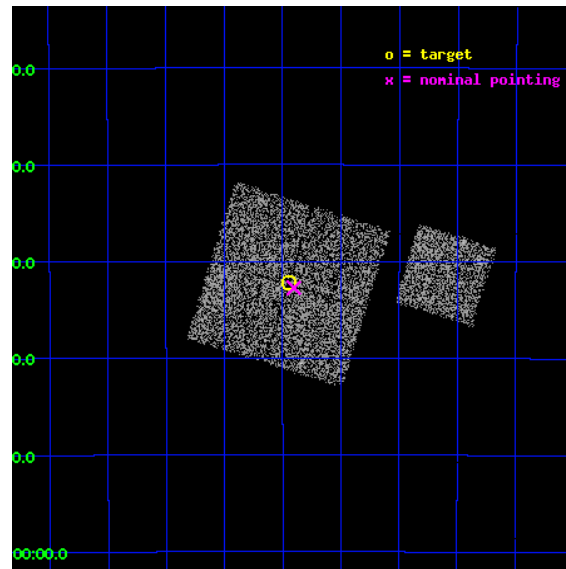
L2 Processing Date : Feb 22 2012

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1 Front

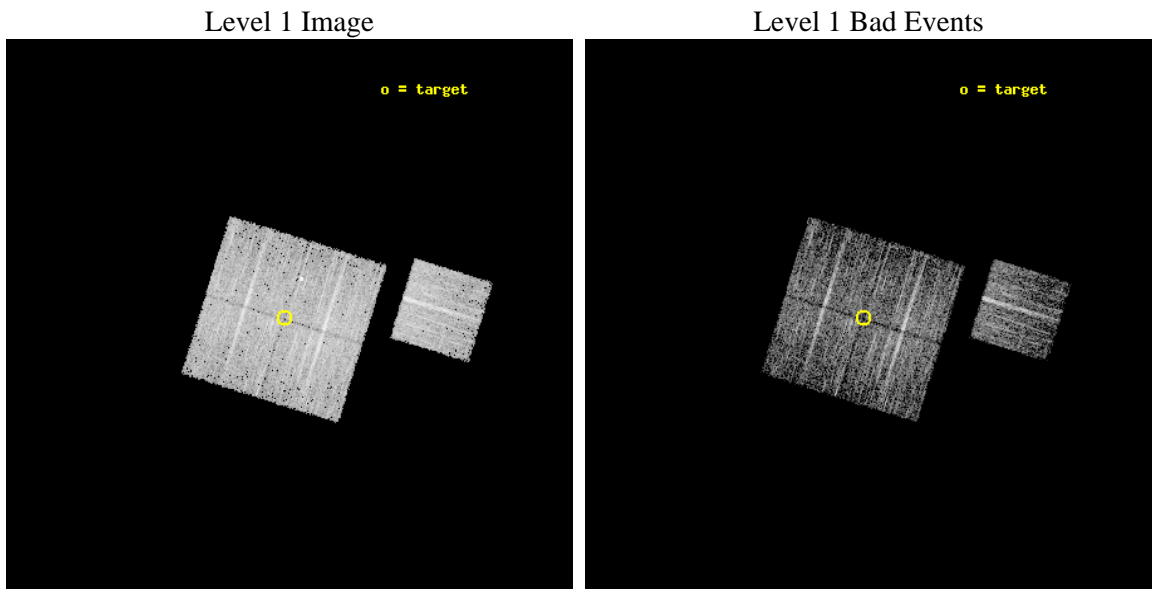
seq_num	801036	Sequence number
obs_id	12899	Observation id
title	The Outer Limits of Clusters with Chandra and Suzaku	Proposal titl
observer	Dr. Eric Miller	Principal investigator
object	RXCJ0605_Field1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	91.487695	Observer's specified target RA [deg]
dec_targ	-35.537584	Observer's specified target Dec [deg]
ra_nom	91.47581159711	Nominal RA [deg]
dec_nom	-35.545548938832	Nominal Dec [deg]
roll_nom	107.41160649599	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5055.4577085972	Sum of GTIs [s]
livetime	4989.4044318605	Livetime [s]
ontime0	5055.3345885873	Sum of GTIs [s]
ontime1	5055.3756285906	Sum of GTIs [s]
ontime2	5055.4166685939	Sum of GTIs [s]
ontime3	5055.4577085972	Sum of GTIs [s]
ontime6	5055.293548584	Sum of GTIs [s]
l2events	15864	Number of level 2 events



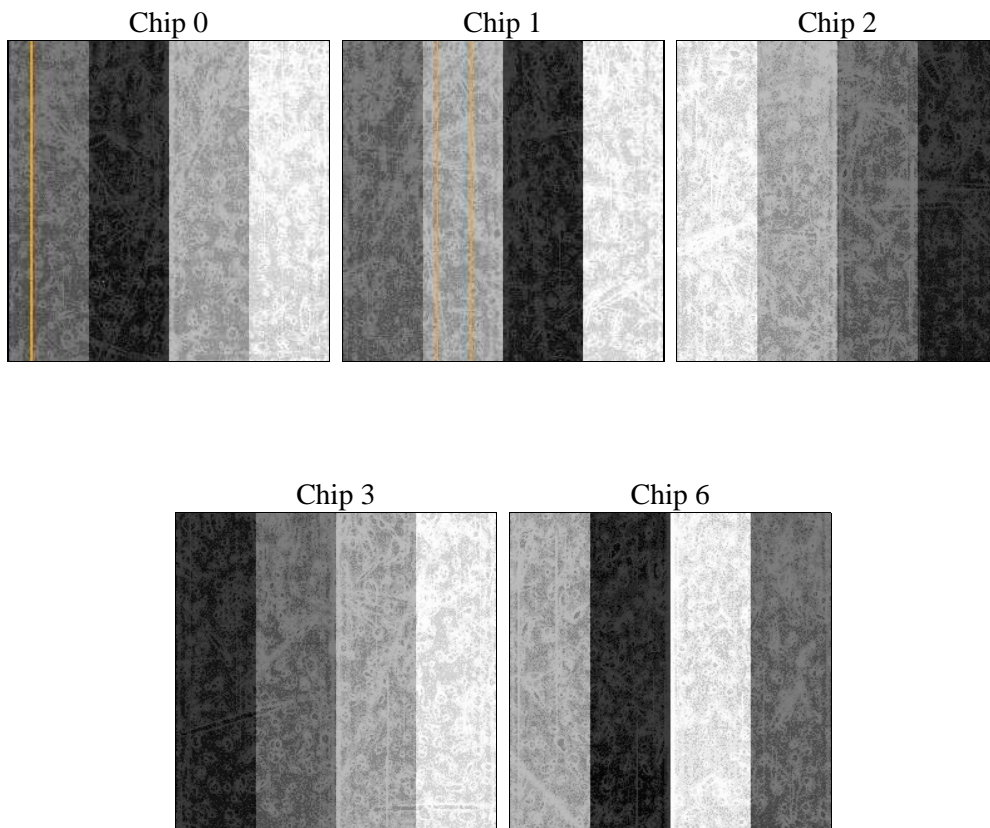
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5055.4577085972	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5055.3345885873	Sum of GTIs [s]
date	2012-02-22T15:23:38	Date and time of file creation	ontime1	5055.3756285906	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5055.4166685939	Sum of GTIs [s]
			ontime3	5055.4577085972	Sum of GTIs [s]
			ontime6	5055.293548584	Sum of GTIs [s]
			l1events	156410	Number of level 1 events

2.1.4 Events

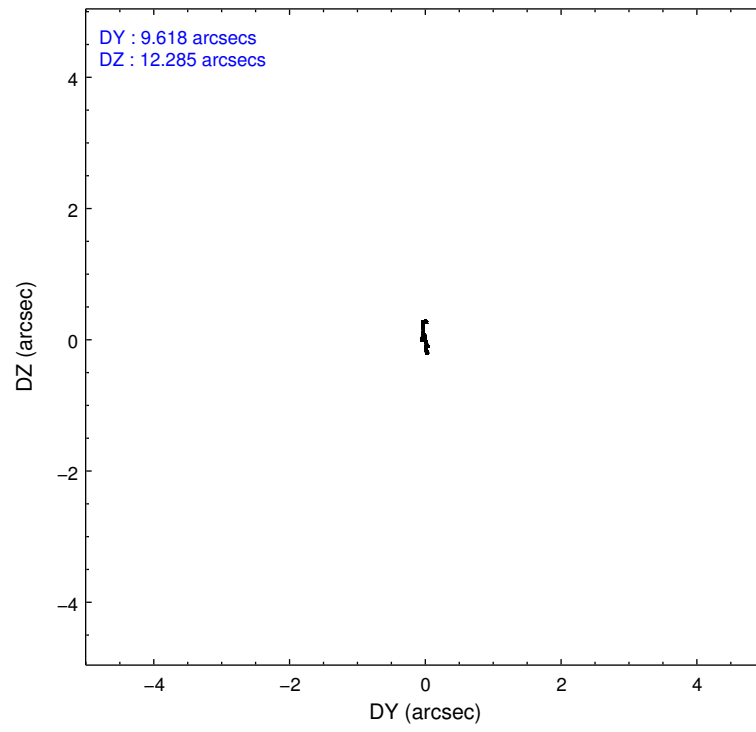
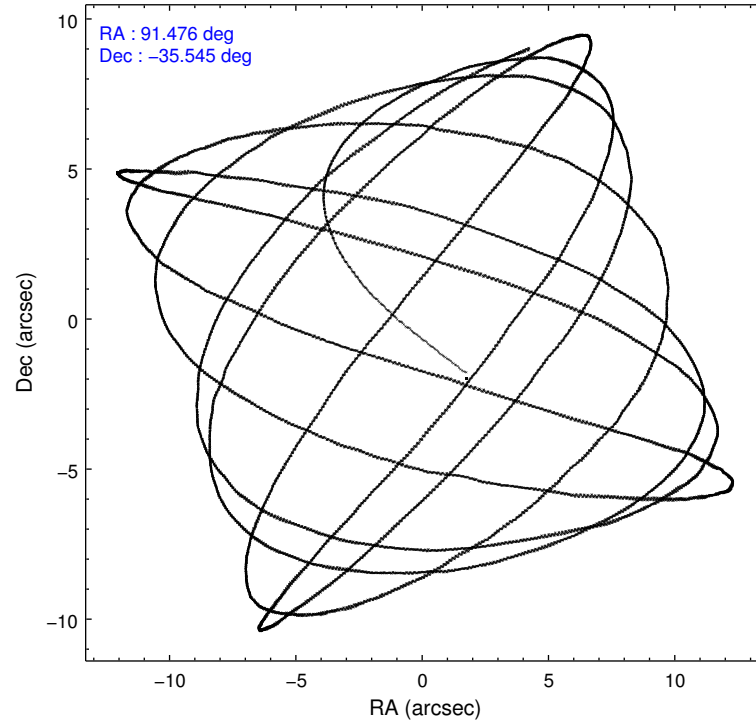
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	29581	30019	32814	31808	32188
rejected events	25788	25897	29027	28236	28334
rejected %	87%	86%	88%	88%	88%

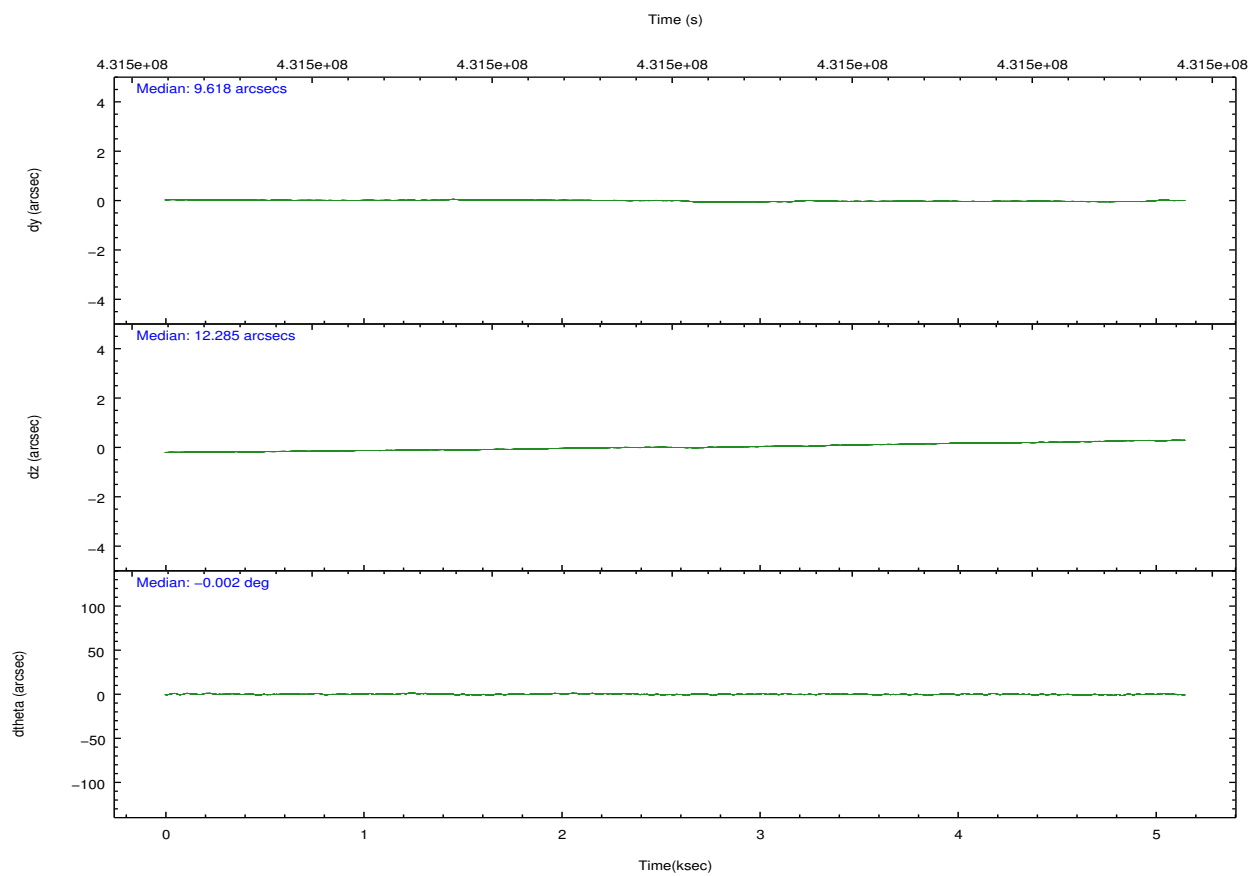
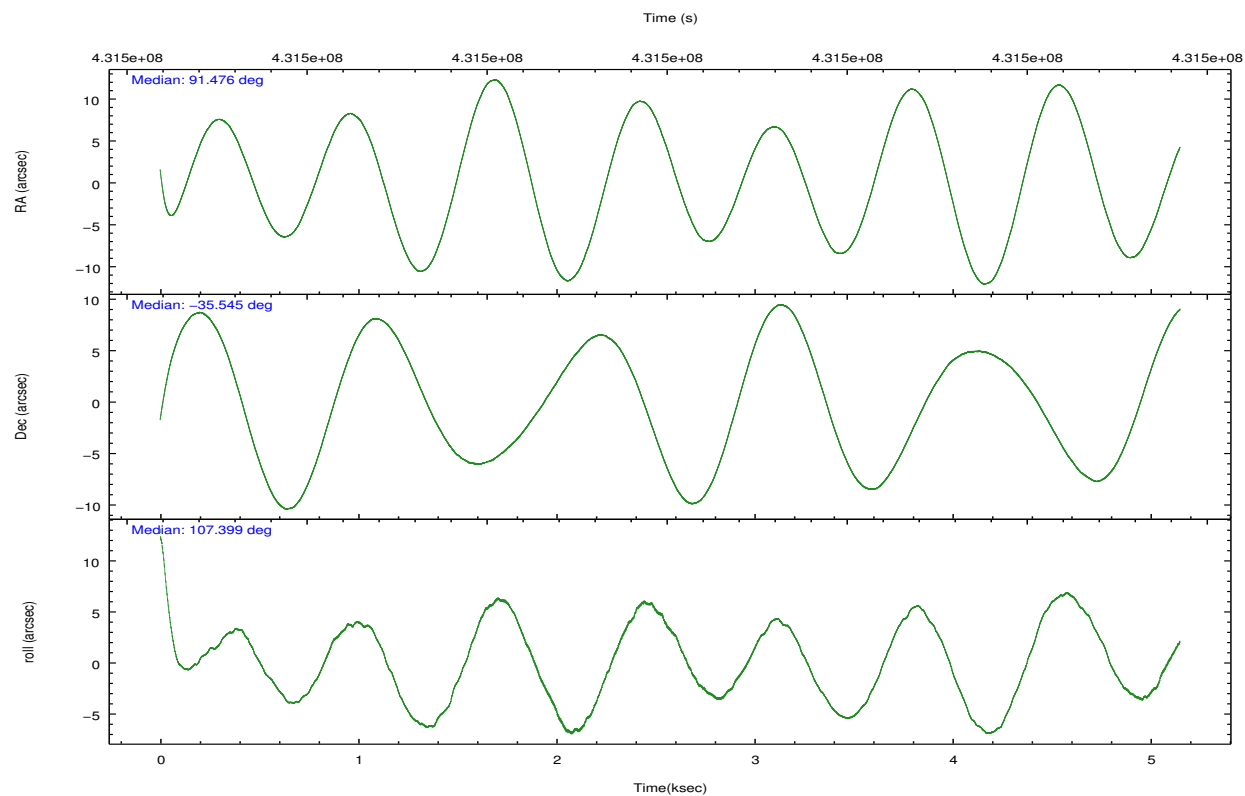
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1374	1422	1568	1265	1379
	4%	4%	4%	3%	4%
grade 1 events	26	13	23	18	13
	0%	0%	0%	0%	0%
grade 2 events	871	1023	852	774	841
	2%	3%	2%	2%	2%
grade 3 events	417	396	369	371	418
	1%	1%	1%	1%	1%
grade 4 events	388	416	362	374	391
	1%	1%	1%	1%	1%
grade 5 events	1365	1528	1330	1552	1566
	4%	5%	4%	4%	4%
grade 6 events	747	869	637	794	830
	2%	2%	1%	2%	2%
grade 7 events	24393	24352	27673	26660	26750
	82%	81%	84%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	91.500800	91.47581159711024	CCD I2 on	Y	Y
[deg] Pointing Dec	-35.564126	-35.54554893883213	CCD I3 on	Y	Y
[deg] Pointing Roll	107.217431	107.4116064959892	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	431497585.184000	431496553.96841	CCD S5 on	N	N
Observation start date	2011-09-04T04:25:19	2011-09-04T04:09:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	431502585.184000	431503588.54378	On-chip summing requested	N	N
Observation end date	2011-09-04T05:48:39	2011-09-04T06:06:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



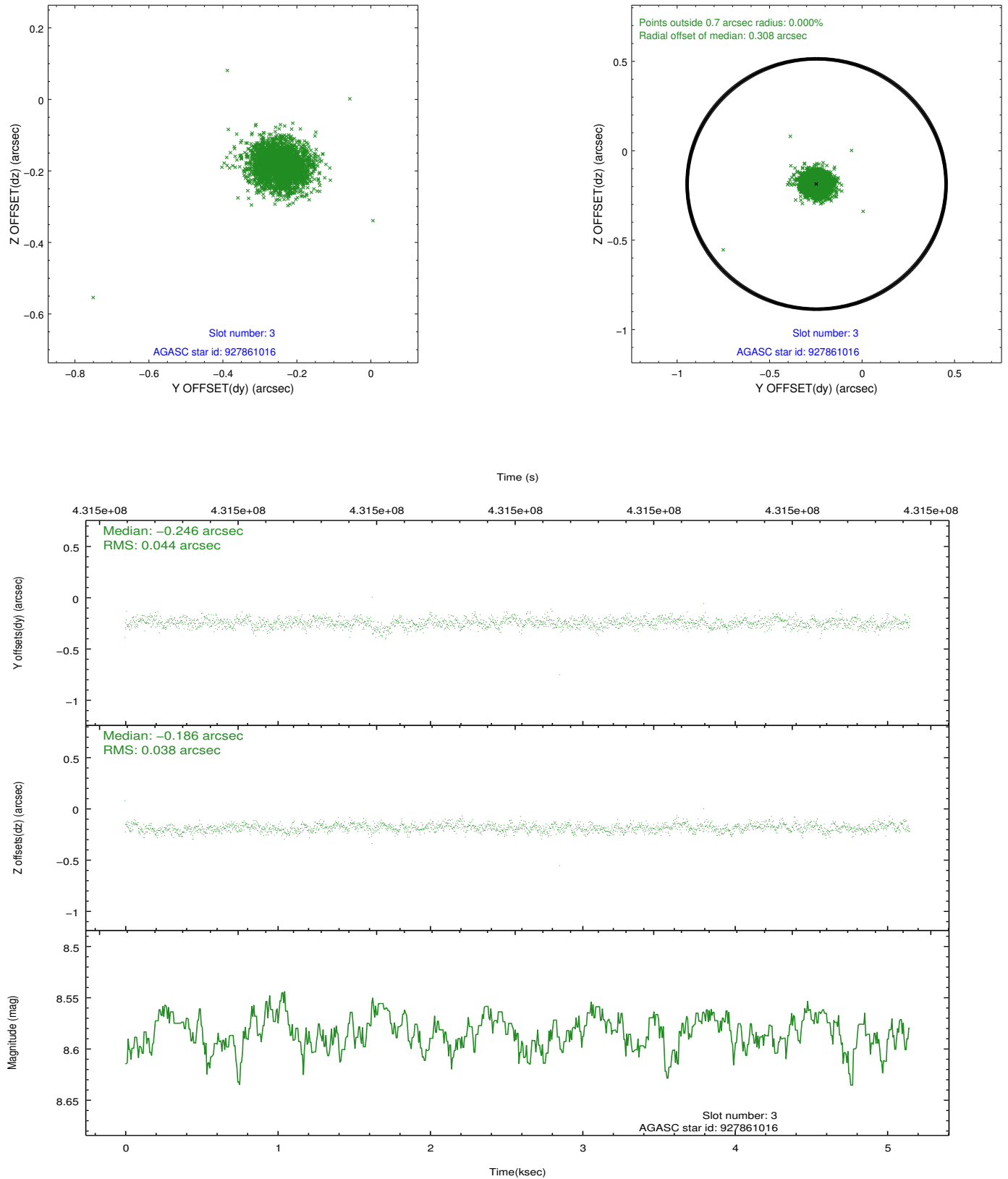


Slot Statistics

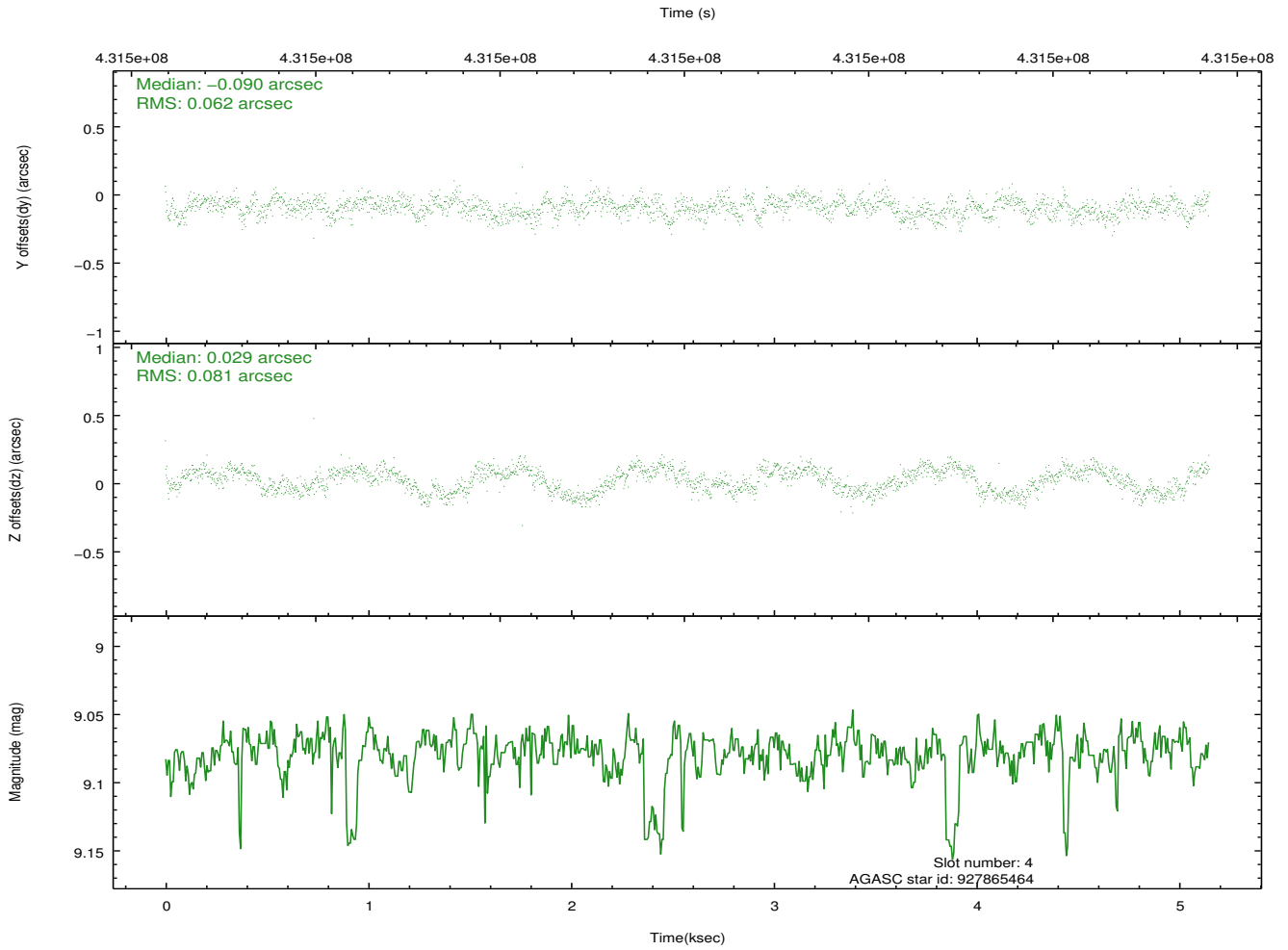
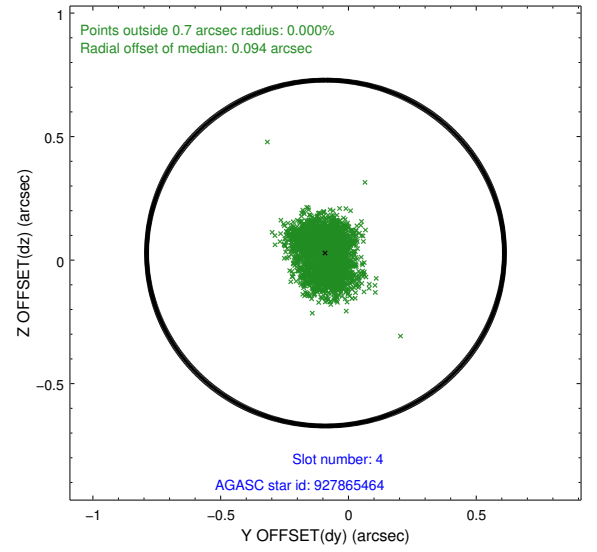
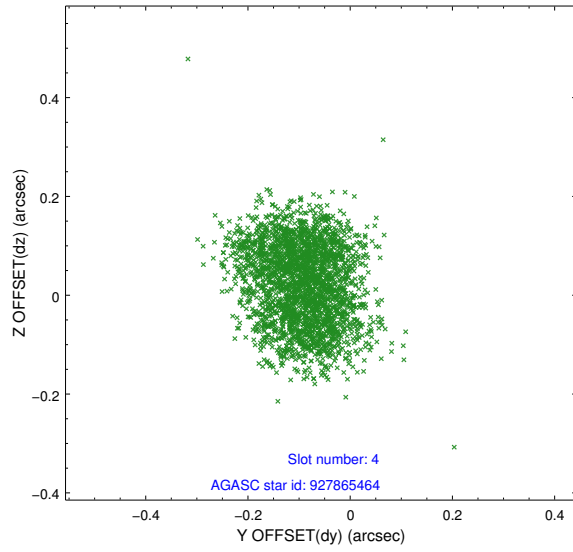
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.13	1256	0.085	-0.037	0.009	0.016	0.000000	0.000000	930.08	-835.87
1	FID	ACIS-I-5	7.12	1256	-0.225	0.086	0.006	0.011	0.000000	0.000000	-1817.68	1061.16
2	FID	ACIS-I-6	7.12	1256	0.049	0.021	0.009	0.016	0.000000	0.000000	394.32	1706.92
3	GUIDE	927861016	8.58	2513	-0.246	-0.186	0.059	0.094	90.996996	-35.118457	1965.99	944.13
4	GUIDE	927865464	9.08	2512	-0.090	0.029	0.111	0.166	91.609920	-34.974508	1932.36	-934.41
5	GUIDE	927872808	8.17	2507	0.100	-0.011	0.078	0.128	91.871506	-35.224616	843.26	-1402.31
6	GUIDE	928518184	9.76	2509	0.237	0.172	0.139	0.220	92.304262	-35.999499	-2198.73	-1768.94
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

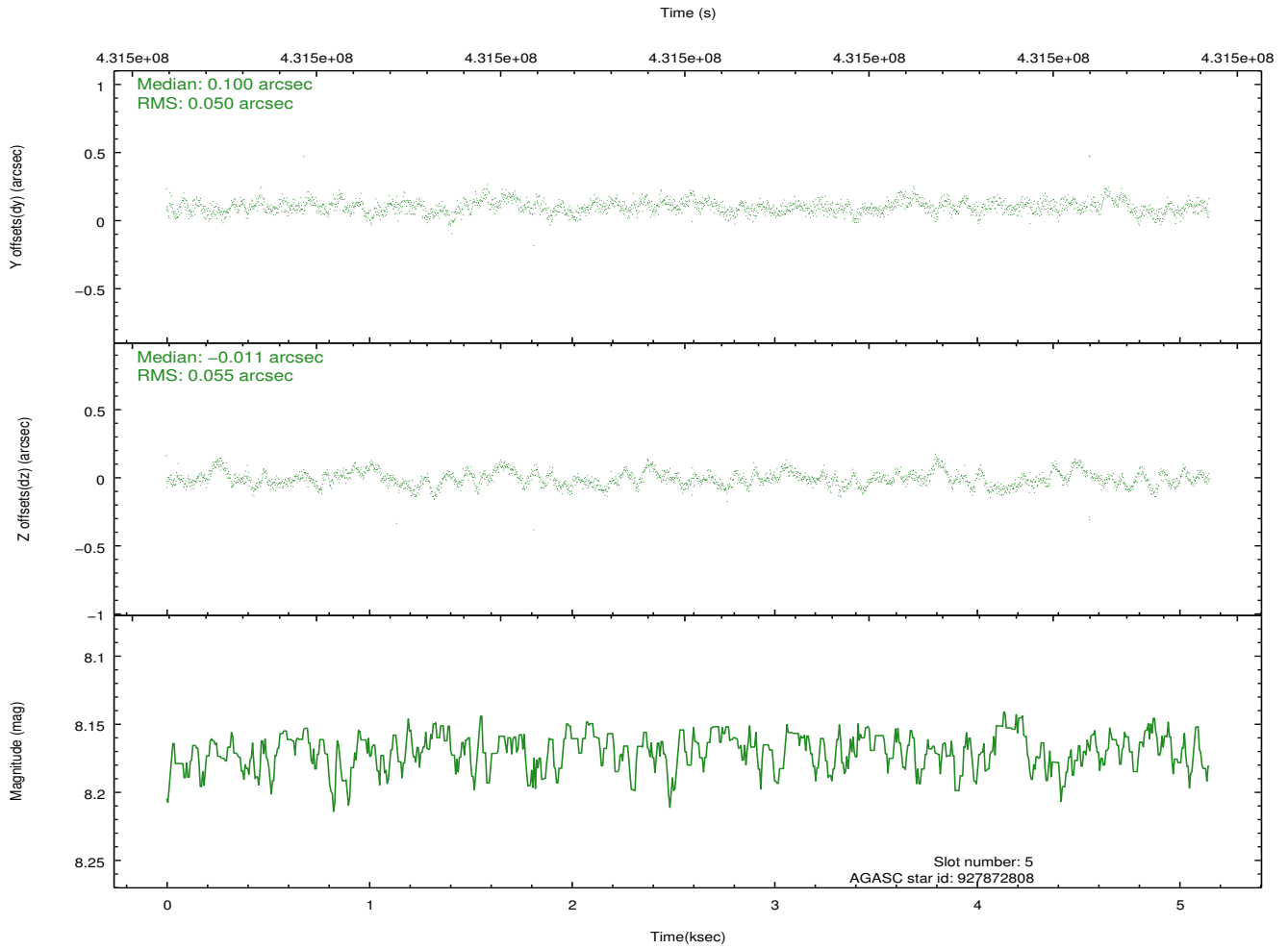
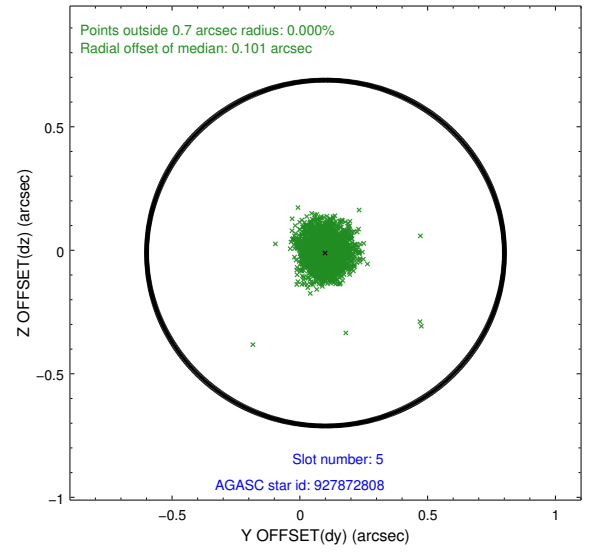
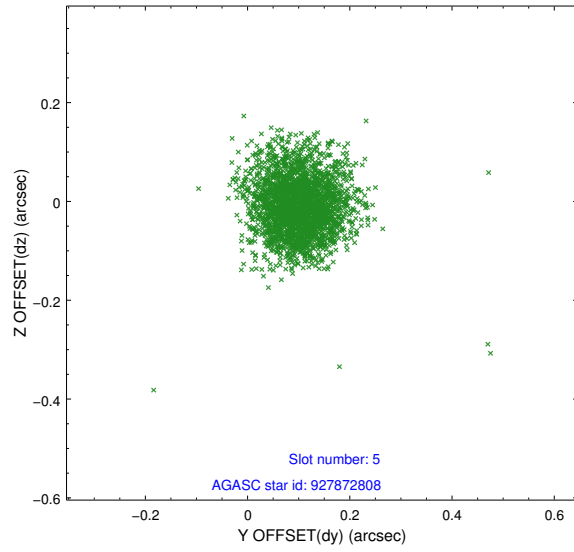
2.4.1 Slot 3



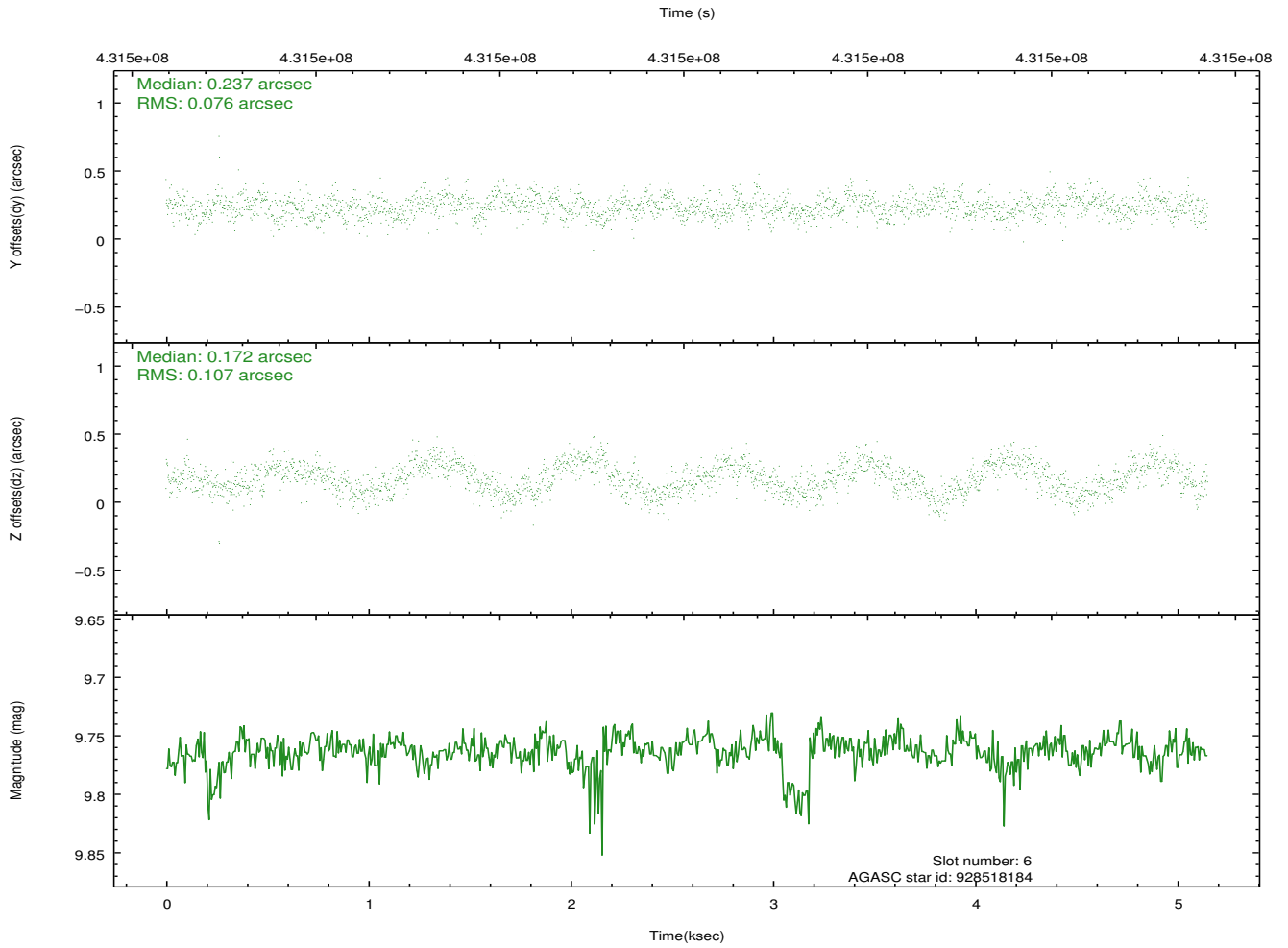
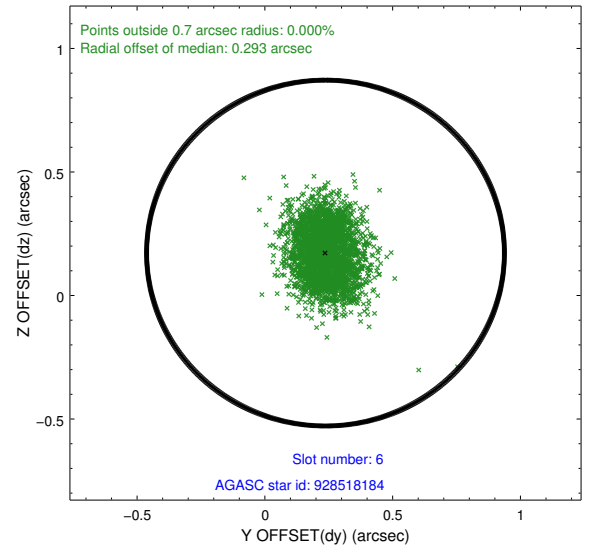
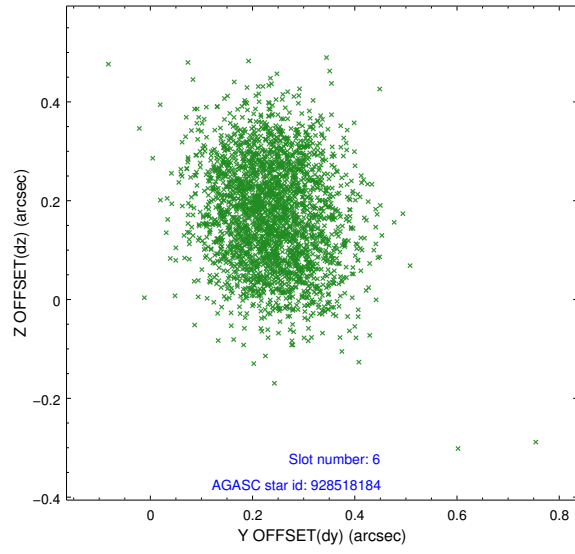
2.4.2 Slot 4



2.4.3 Slot 5

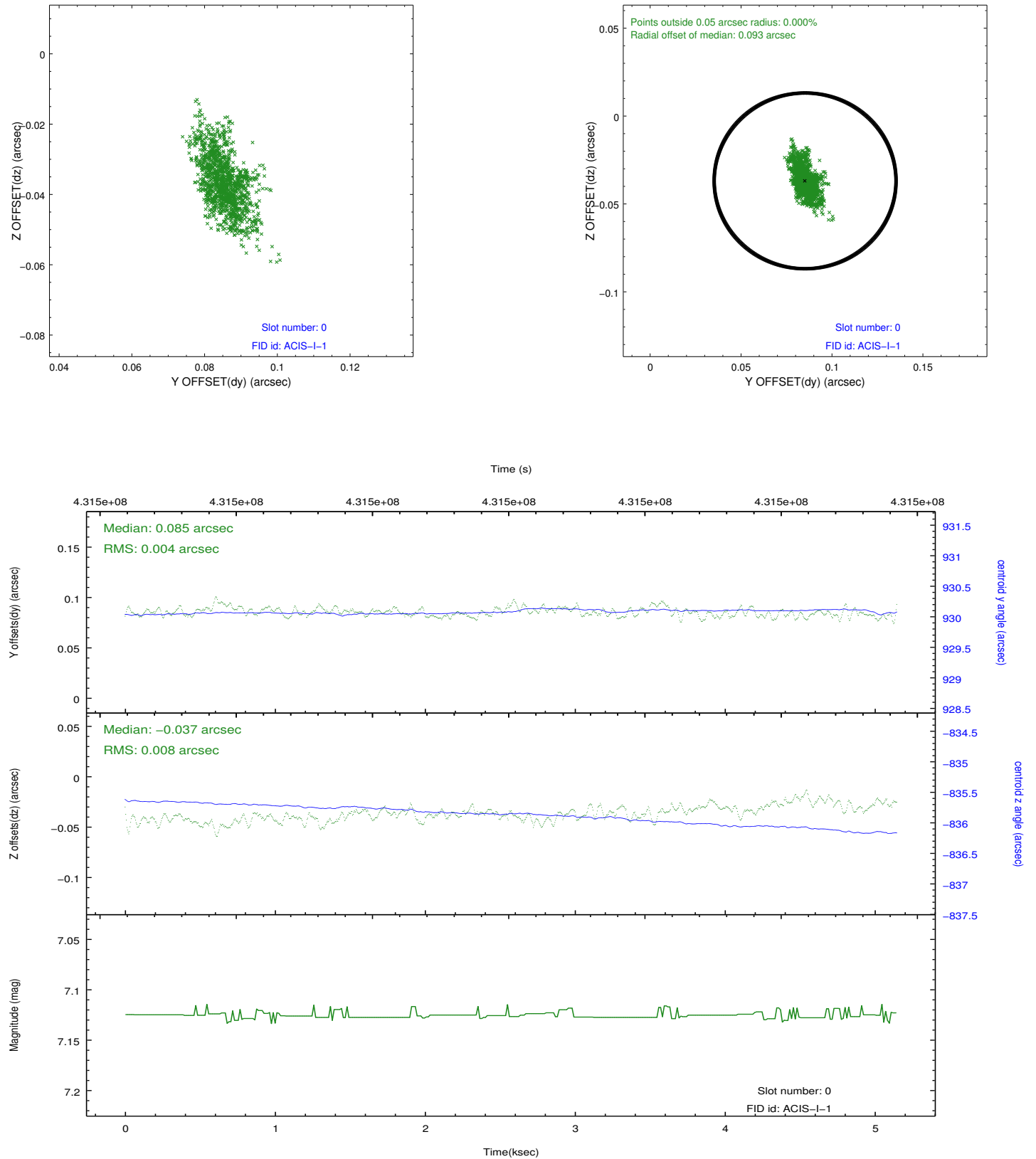


2.4.4 Slot 6

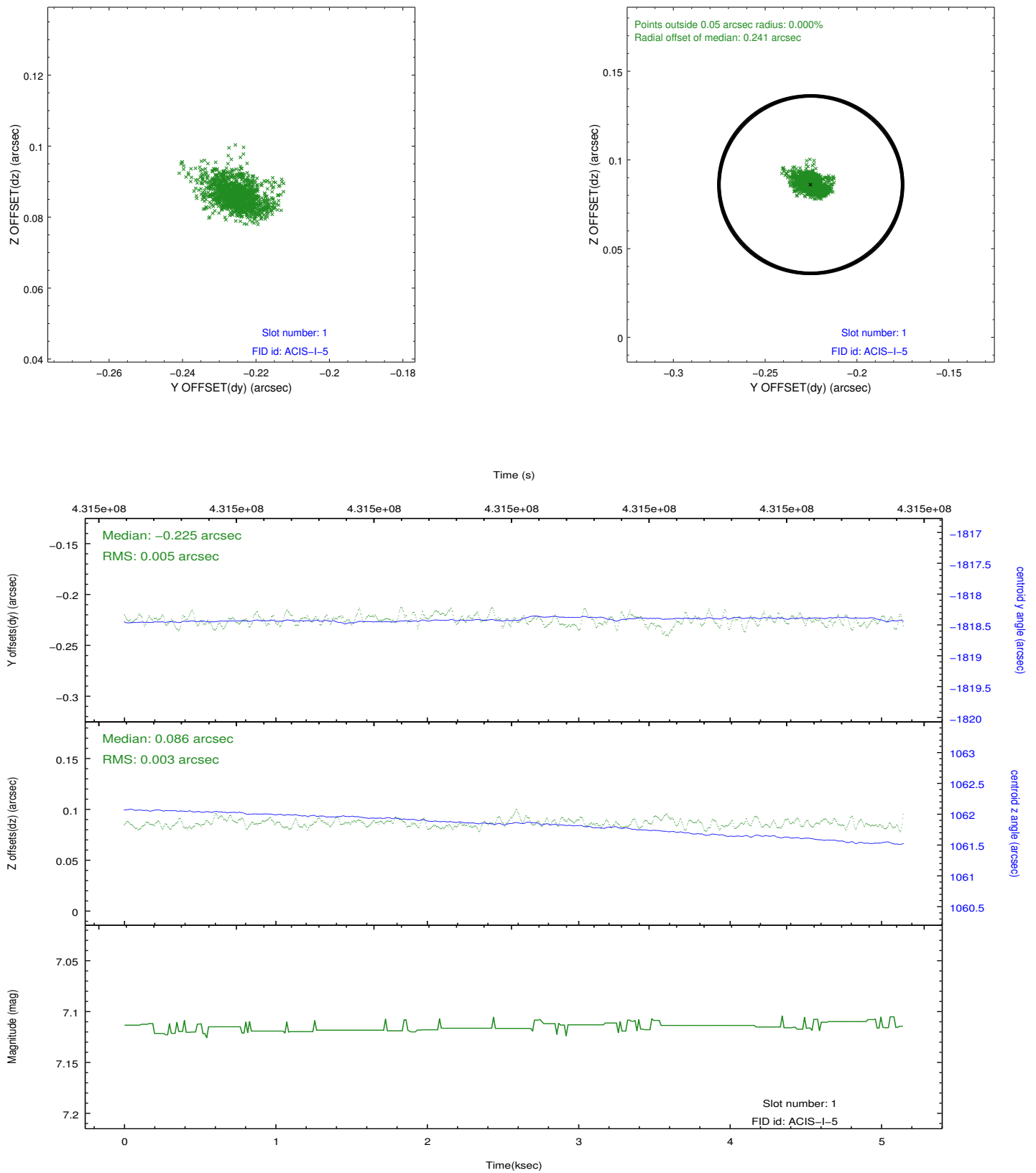


2.5 FID Slots

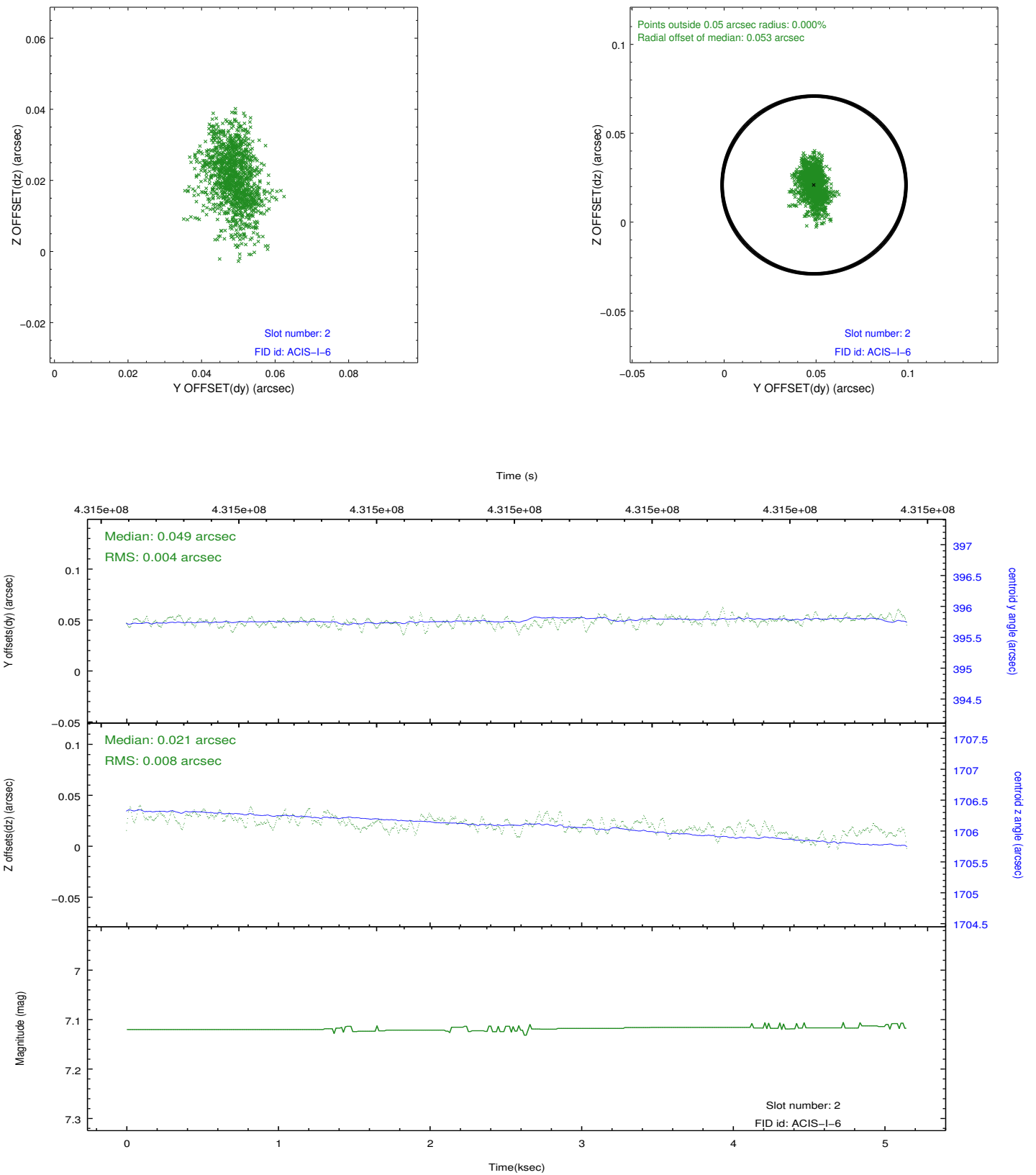
2.5.1 Slot 0



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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0554577071667

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.