

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9194 - L2 Version 2
Chandra X-Ray Center

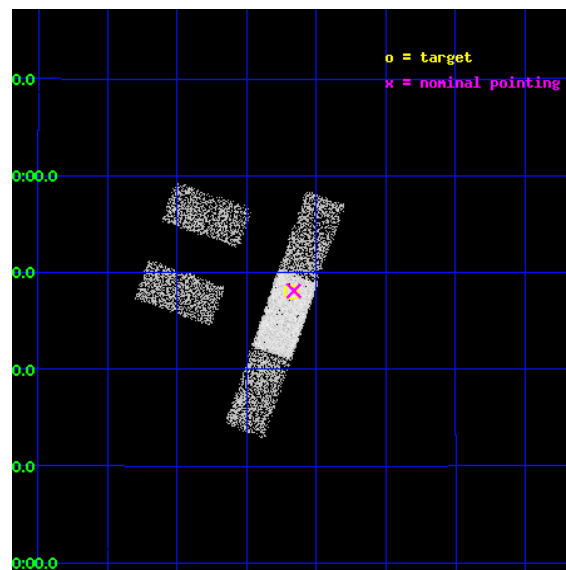
L2 Processing Date : May 17 2012

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1 Front

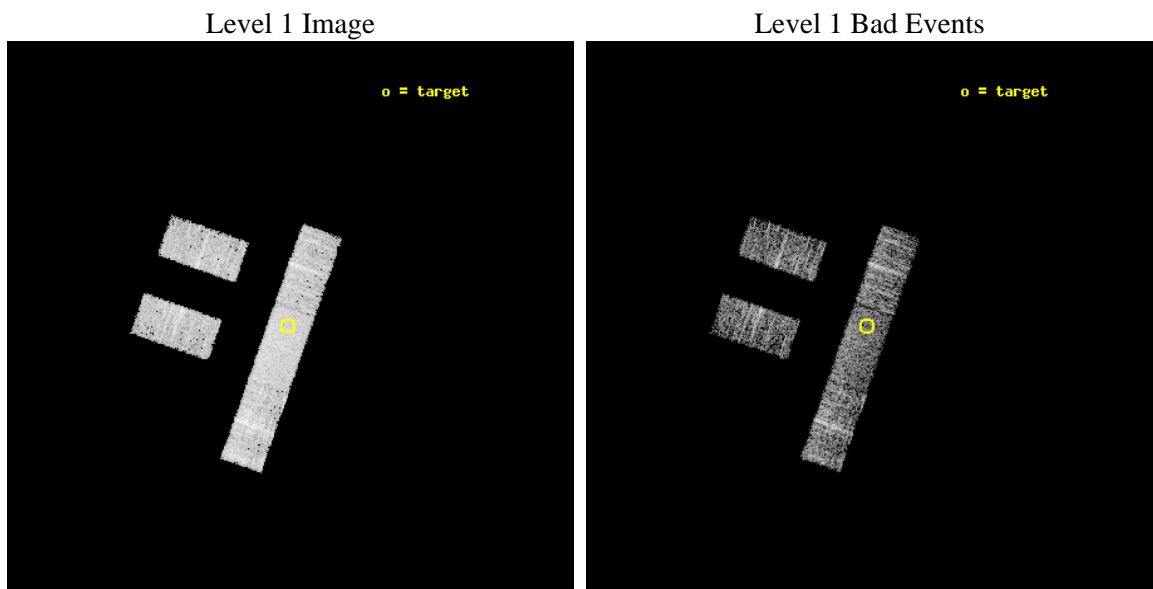
seq_num	701636	Sequence number
obs_id	9194	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	33.419167	Observer's specified target RA [deg]
dec_targ	13.798889	Observer's specified target Dec [deg]
ra_nom	33.415227955562	Nominal RA [deg]
dec_nom	13.801830319504	Nominal Dec [deg]
roll_nom	109.31413200248	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3141.5999780297	Sum of GTIs [s]
livetime	3067.5458132211	Livetime [s]
ontime2	3141.5999780297	Sum of GTIs [s]
ontime3	3141.5999780297	Sum of GTIs [s]
ontime6	3141.5999780297	Sum of GTIs [s]
ontime7	3141.5999780297	Sum of GTIs [s]
ontime8	3141.5999780297	Sum of GTIs [s]
l2events	15990	Number of level 2 events



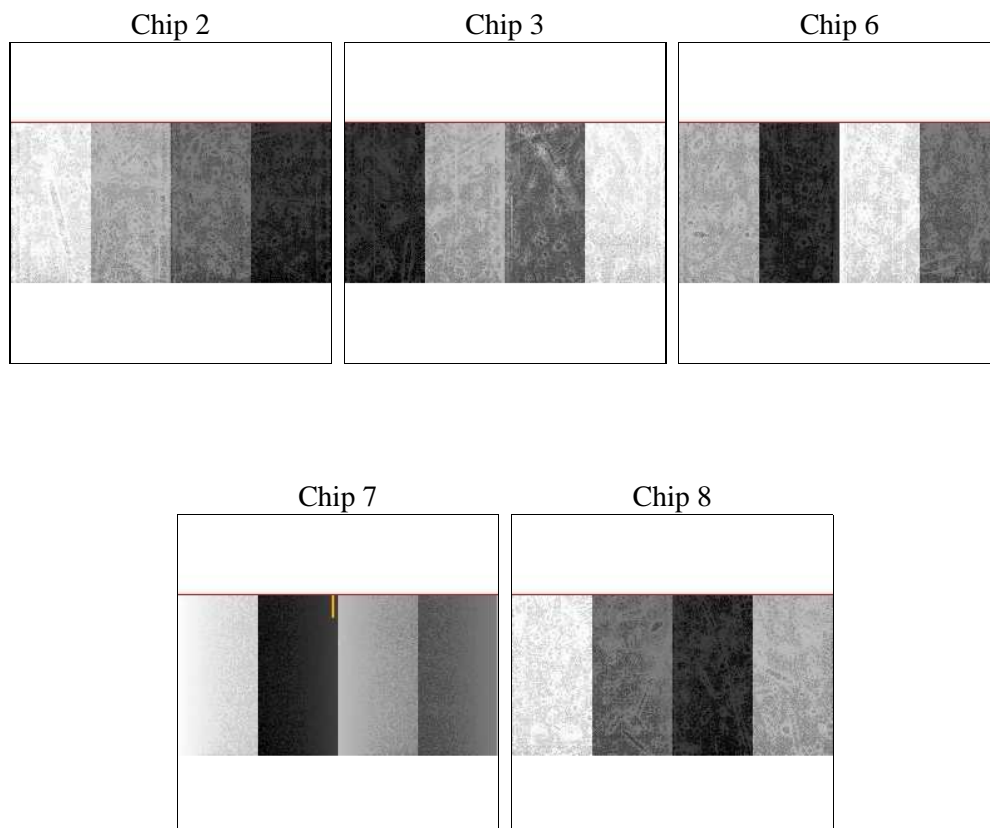
2 OBI

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	3141.5999780297	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3141.5999780297	Sum of GTIs [s]
date	2012-05-17T02:51:29	Date and time of file creation	ontime3	3141.5999780297	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3141.5999780297	Sum of GTIs [s]
			ontime7	3141.5999780297	Sum of GTIs [s]
			ontime8	3141.5999780297	Sum of GTIs [s]
			l1events	110011	Number of level 1 events

2.1.4 Events

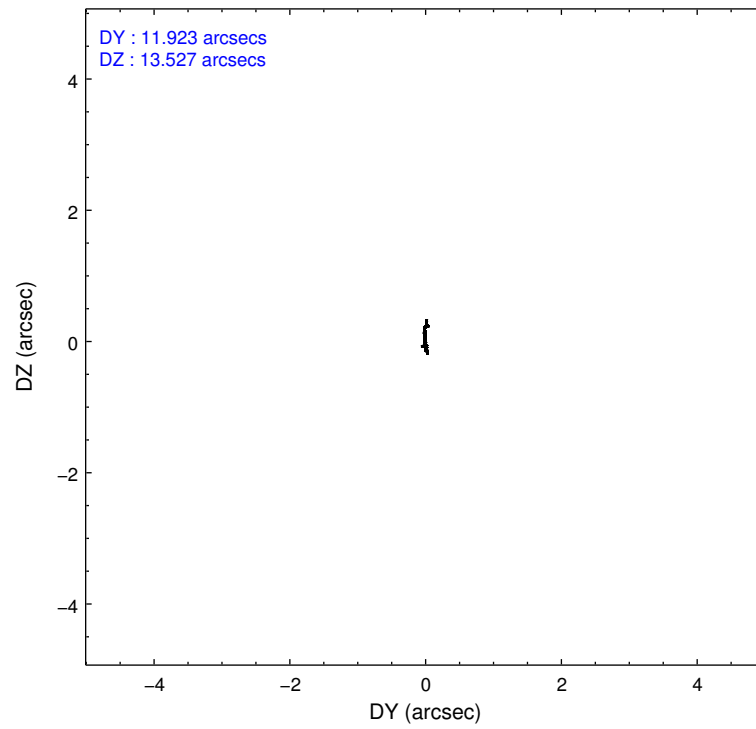
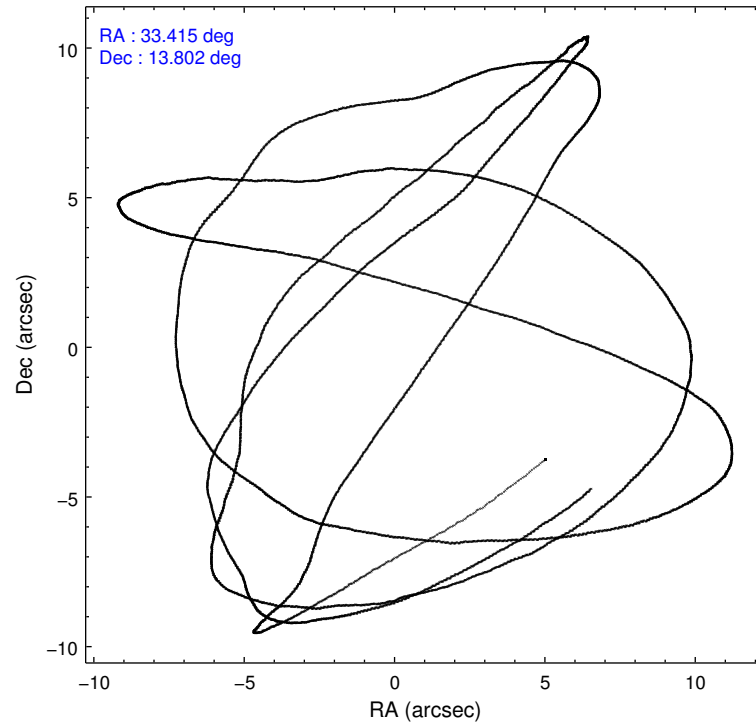
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	18616	18365	20289	26738	26003
rejected events	16635	16446	18383	17404	21122
rejected %	89%	89%	90%	65%	81%

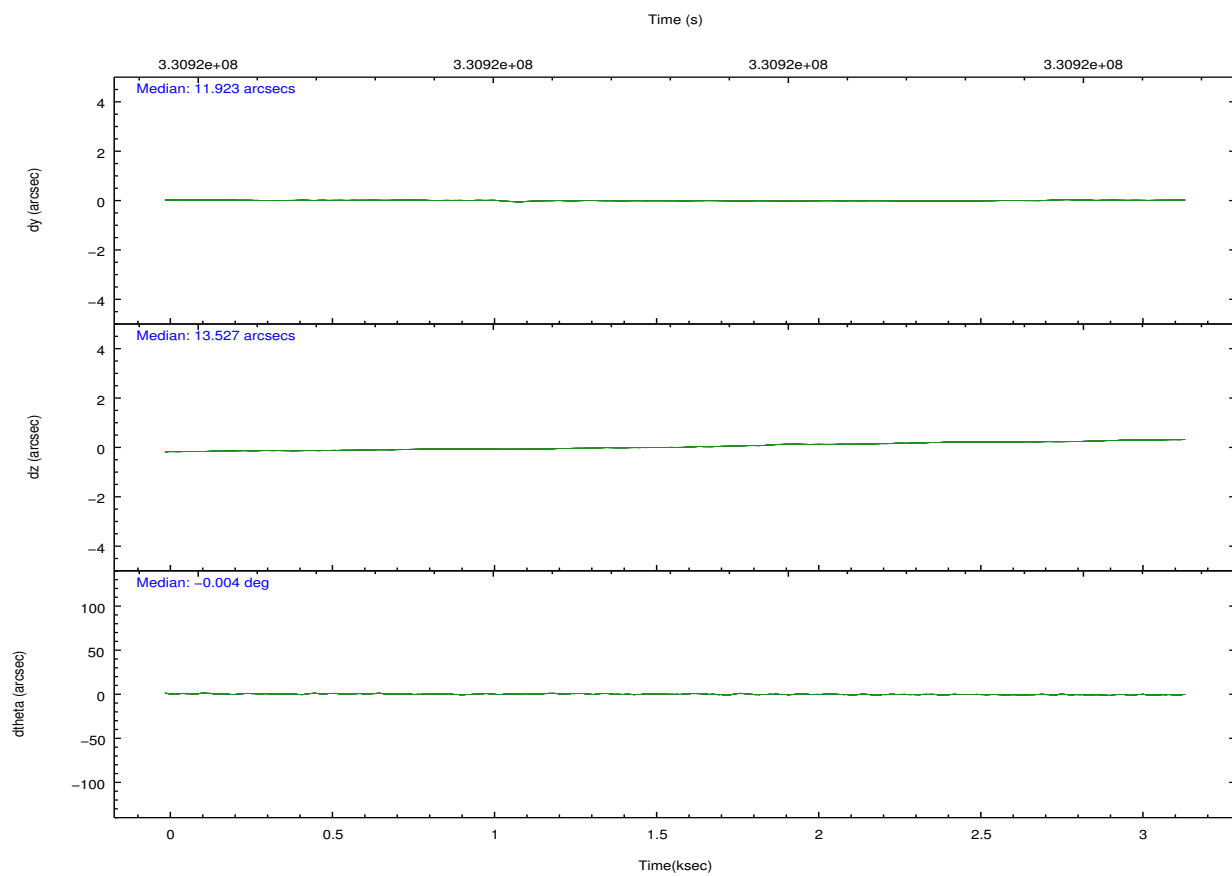
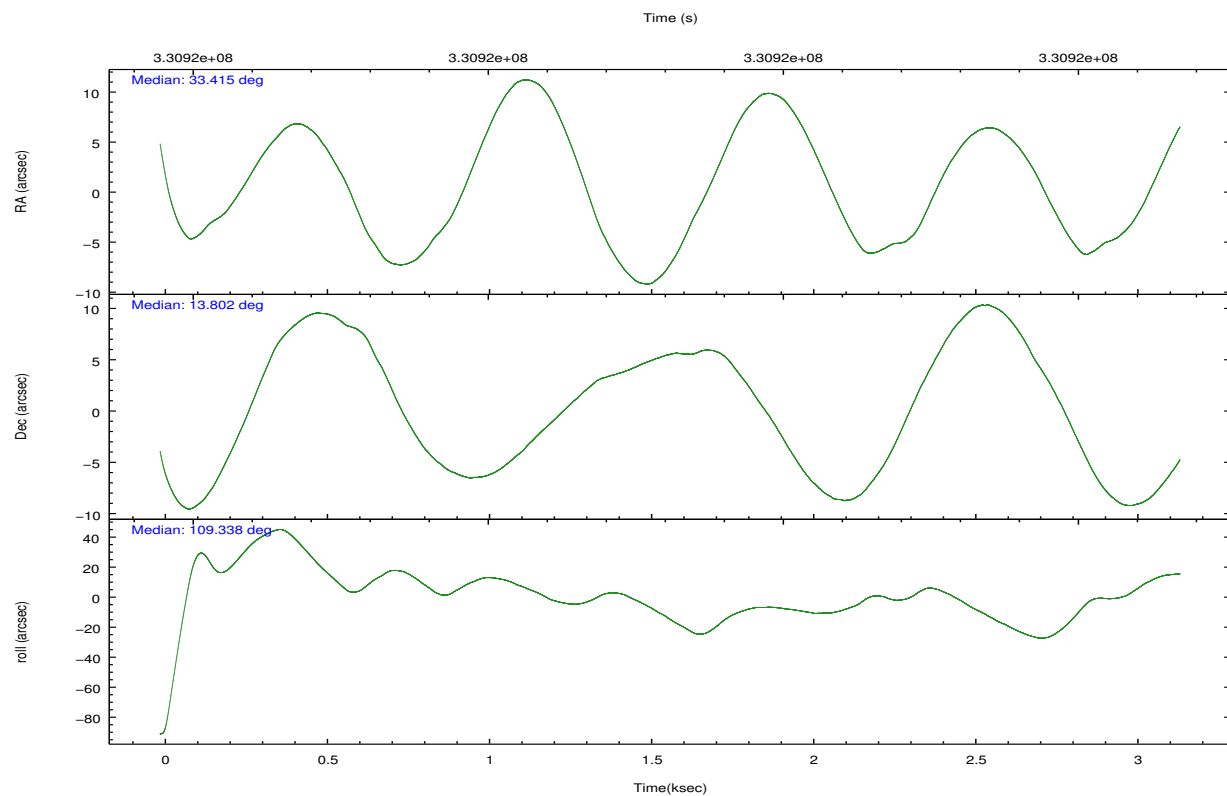
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	985	962	933	993	1793
	5%	5%	4%	3%	6%
grade 1 events	12	11	9	30	13
	0%	0%	0%	0%	0%
grade 2 events	485	417	452	2328	1293
	2%	2%	2%	8%	4%
grade 3 events	245	257	271	1119	602
	1%	1%	1%	4%	2%
grade 4 events	266	278	242	1054	580
	1%	1%	1%	3%	2%
grade 5 events	731	925	939	2486	1195
	3%	5%	4%	9%	4%
grade 6 events	411	424	445	5800	1706
	2%	2%	2%	21%	6%
grade 7 events	15481	15091	16998	12928	18821
	83%	82%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	33.436882	33.41522795556227	CCD I2 on	O1	Y
[deg] Pointing Dec	13.784396	13.80183031950447	CCD I3 on	Y	Y
[deg] Pointing Roll	109.153021	109.3141320024789	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	330922178.184000	330920985.95162	CCD S5 on	N	N
Observation start date	2008-06-27T02:48:33	2008-06-27T02:29:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330925178.184000	330925947.97686	On-chip summing requested	N	N
Observation end date	2008-06-27T03:38:33	2008-06-27T03:52:27	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



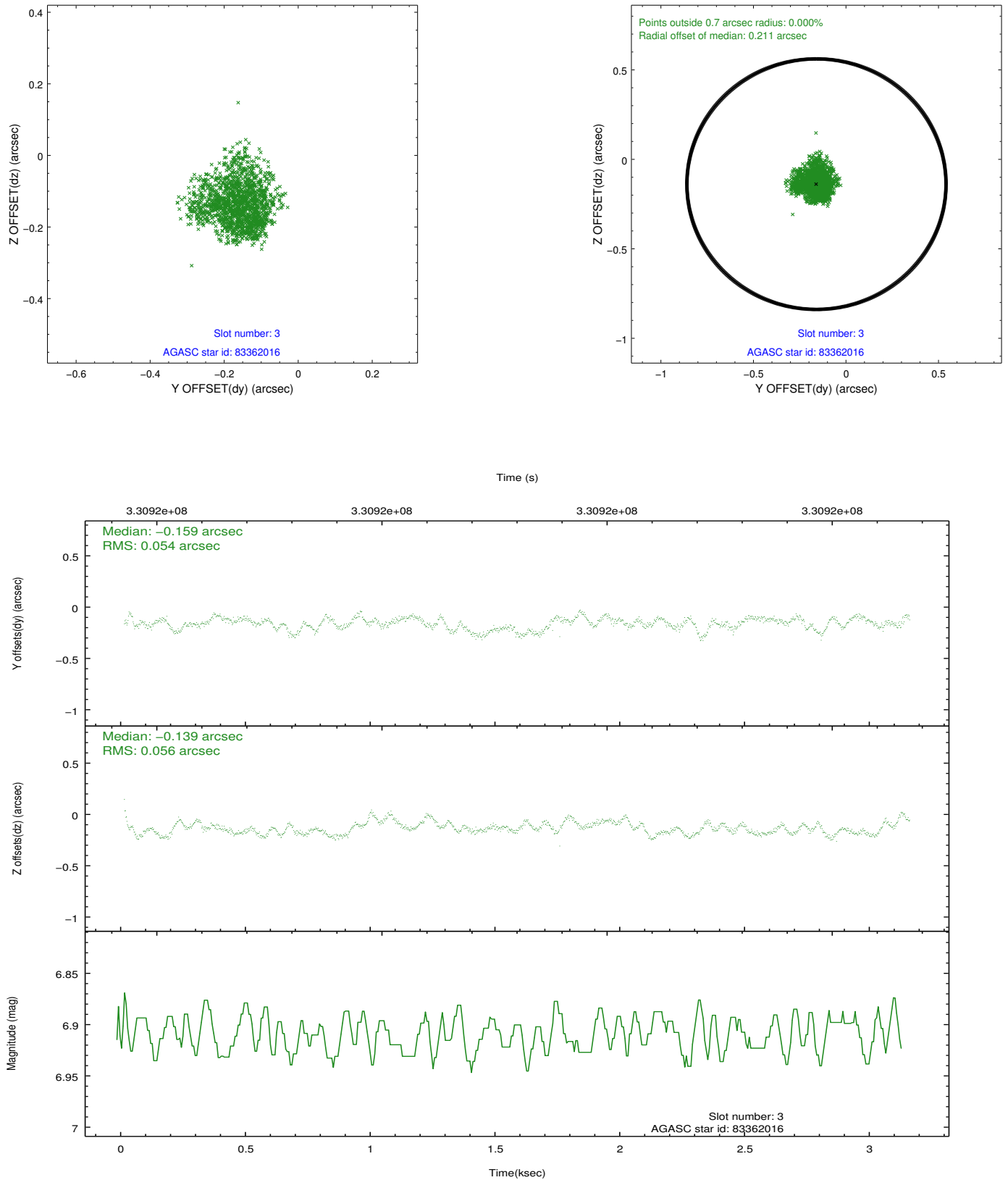


Slot Statistics

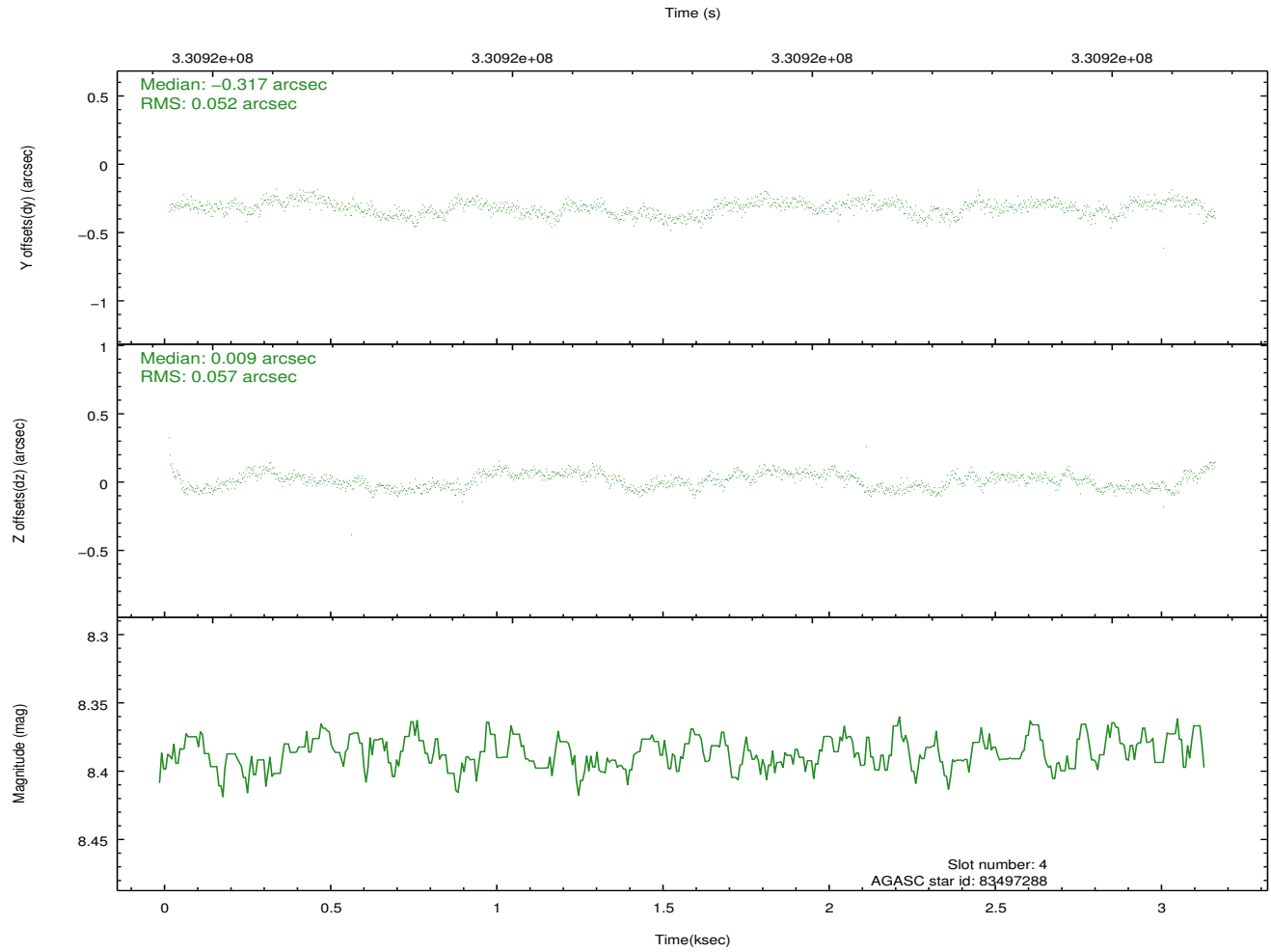
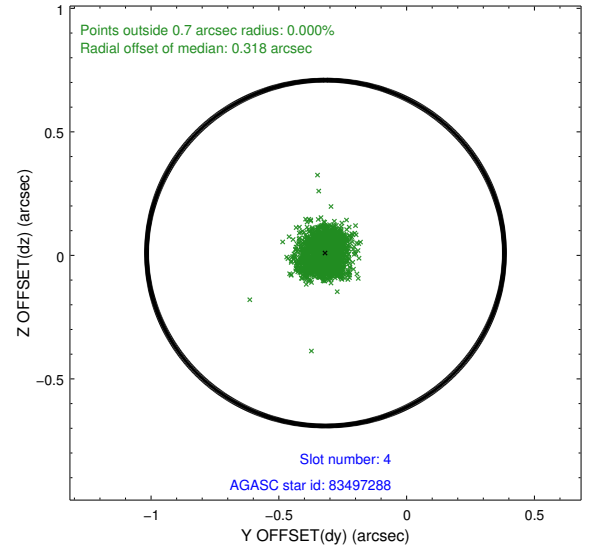
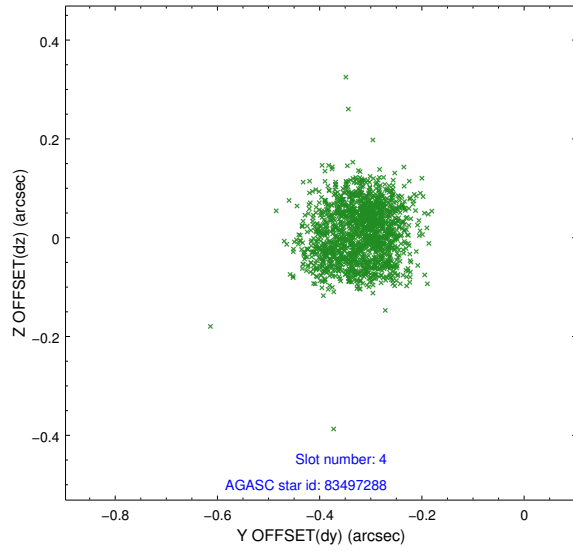
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	768	-0.026	-0.017	0.007	0.011	0.000000	0.000000	-764.84	-1734.93
1	FID	ACIS-S-4	6.92	768	0.106	0.017	0.007	0.014	0.000000	0.000000	2147.65	171.48
2	FID	ACIS-S-5	6.95	768	-0.111	0.008	0.006	0.011	0.000000	0.000000	-1815.16	167.46
3	GUIDE	83362016	6.91	1536	-0.159	-0.139	0.083	0.129	33.177608	13.918472	753.57	696.07
4	GUIDE	83497288	8.39	1536	-0.317	0.009	0.082	0.124	33.257320	14.241424	1760.10	51.11
5	GUIDE	83501584	9.93	1536	0.284	0.298	0.143	0.230	33.864939	13.487865	-1497.94	-1065.50
6	BAD	83502000	10.79	1273	2.953	4.516	10.240	15.020	33.684660	14.334197	1590.88	-1460.76
7	GUIDE	83497592	9.22	1534	0.200	-0.160	0.088	0.144	33.266343	13.050161	-2299.53	1431.67

2.4 Star Slots

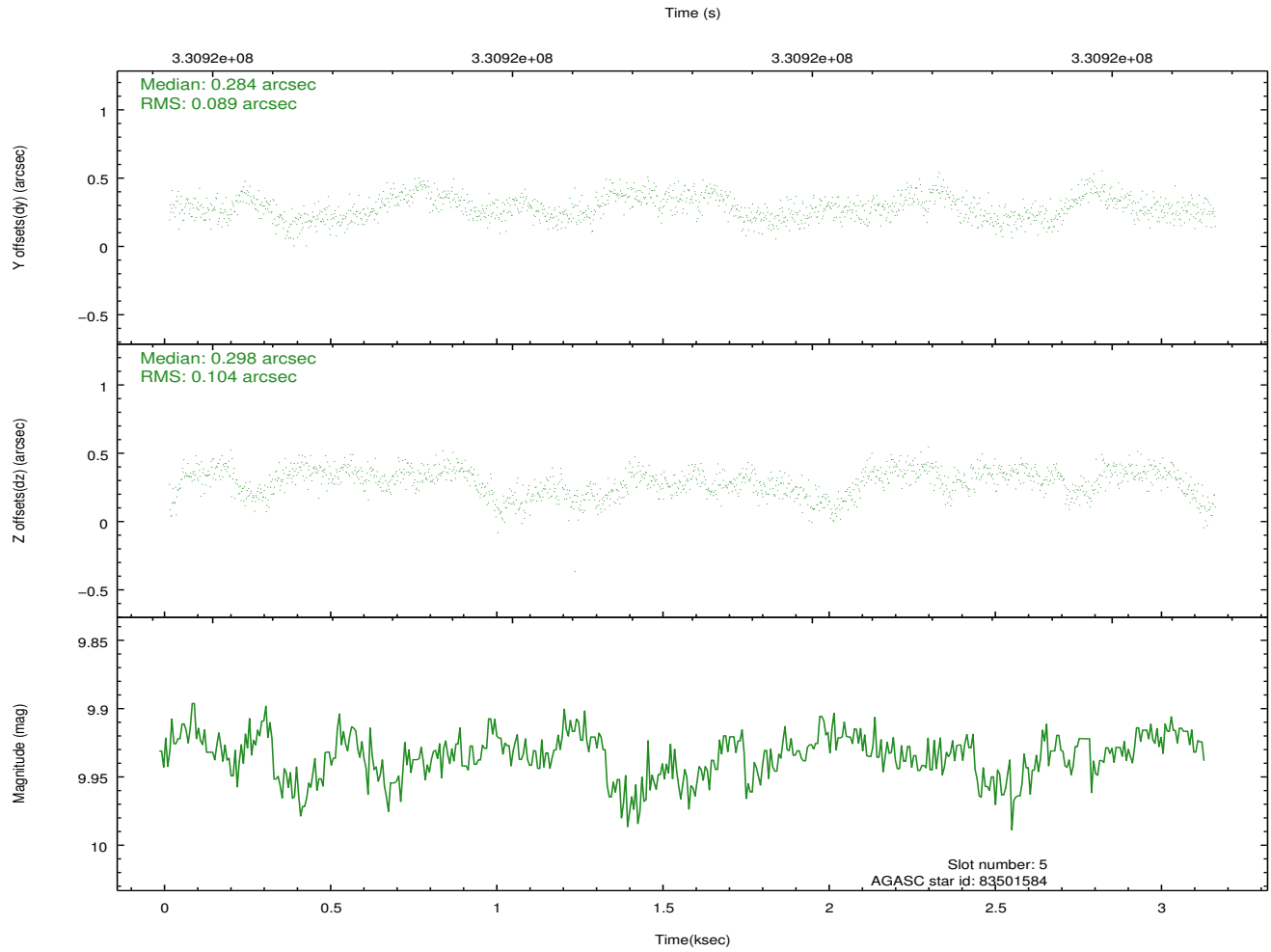
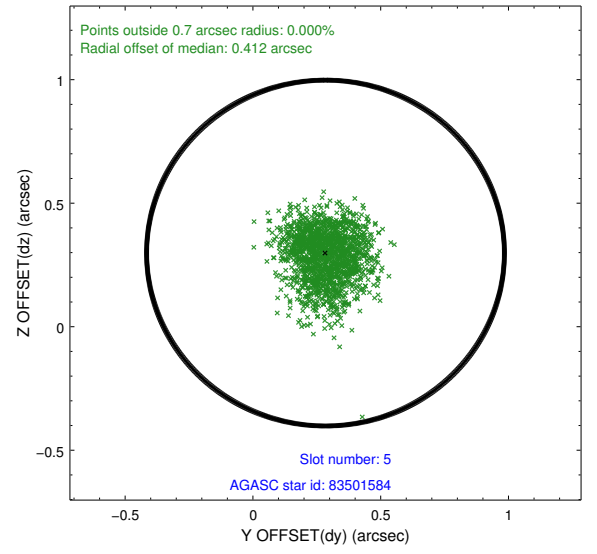
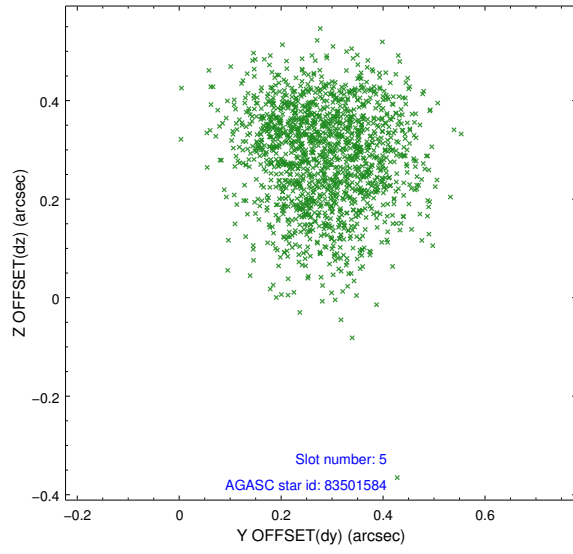
2.4.1 Slot 3



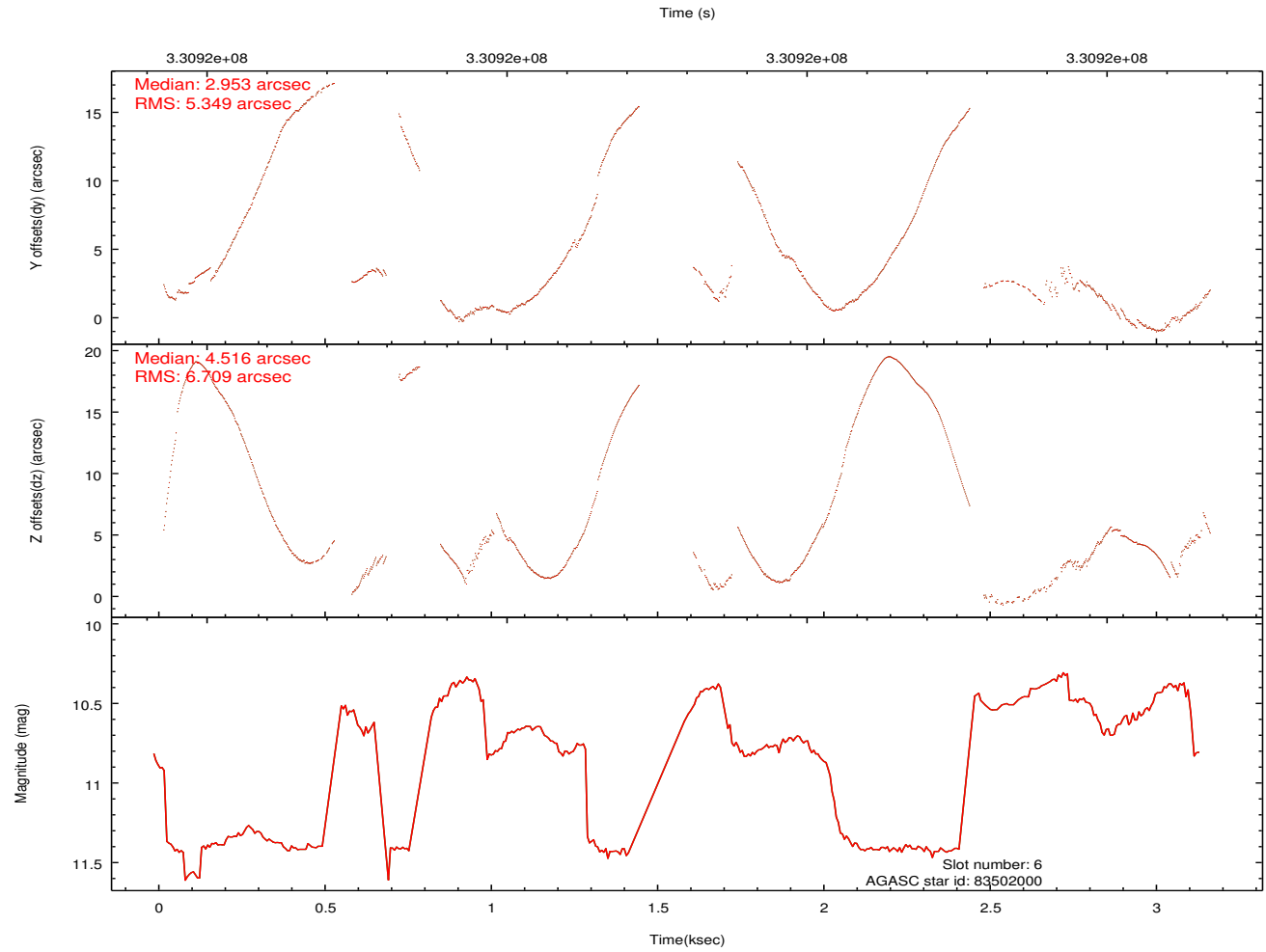
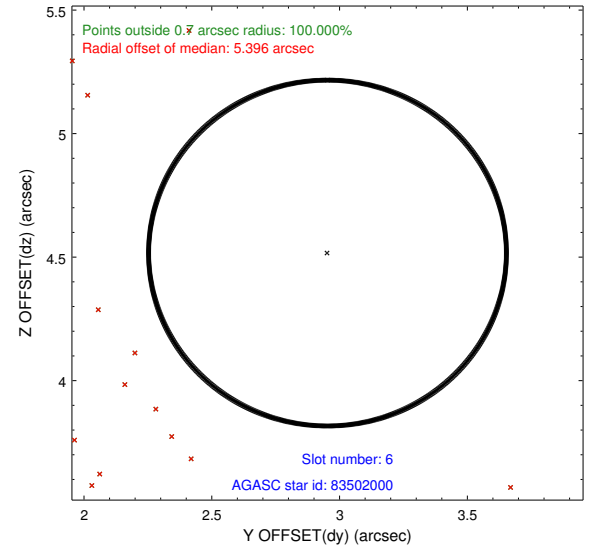
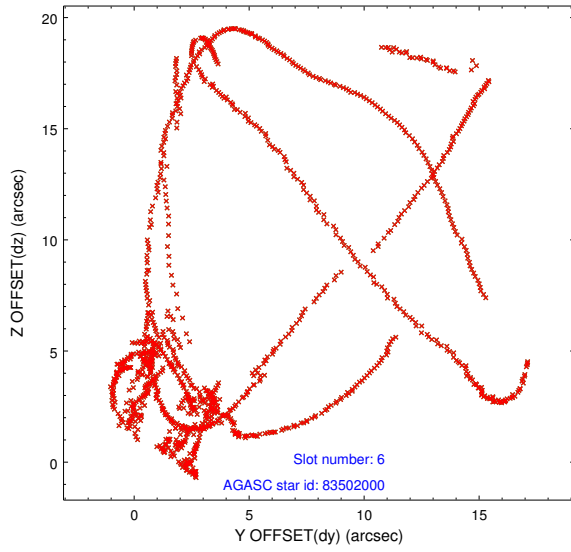
2.4.2 Slot 4



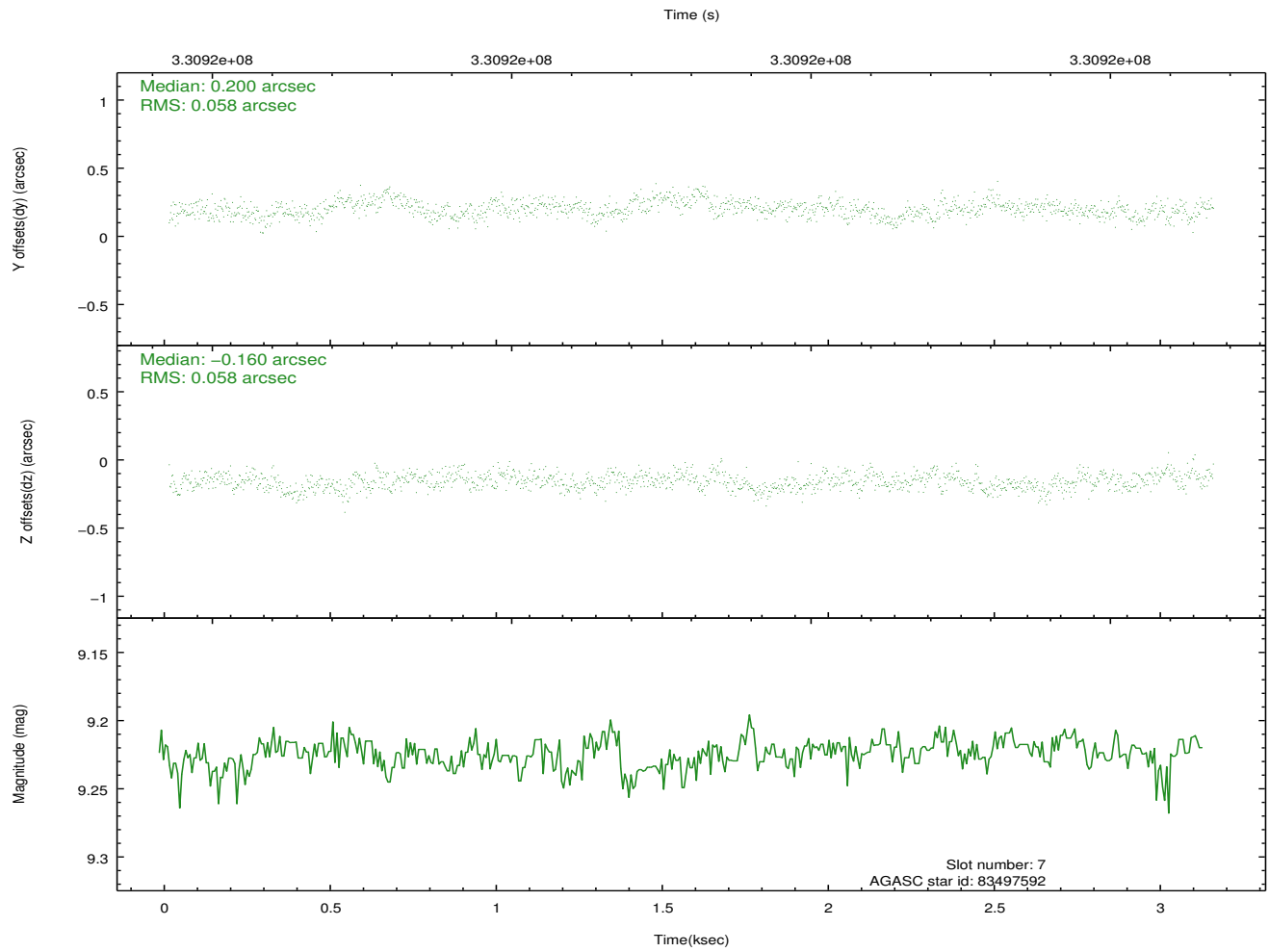
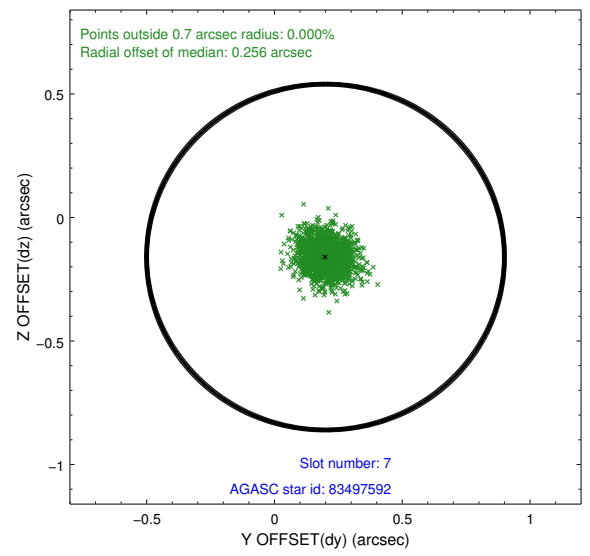
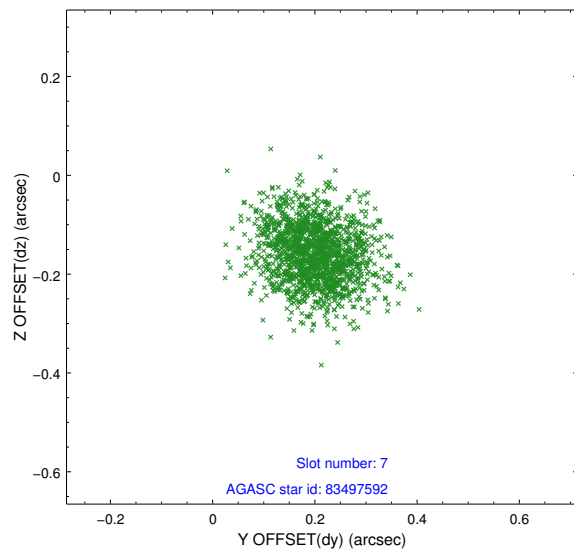
2.4.3 Slot 5



2.4.4 Slot 6

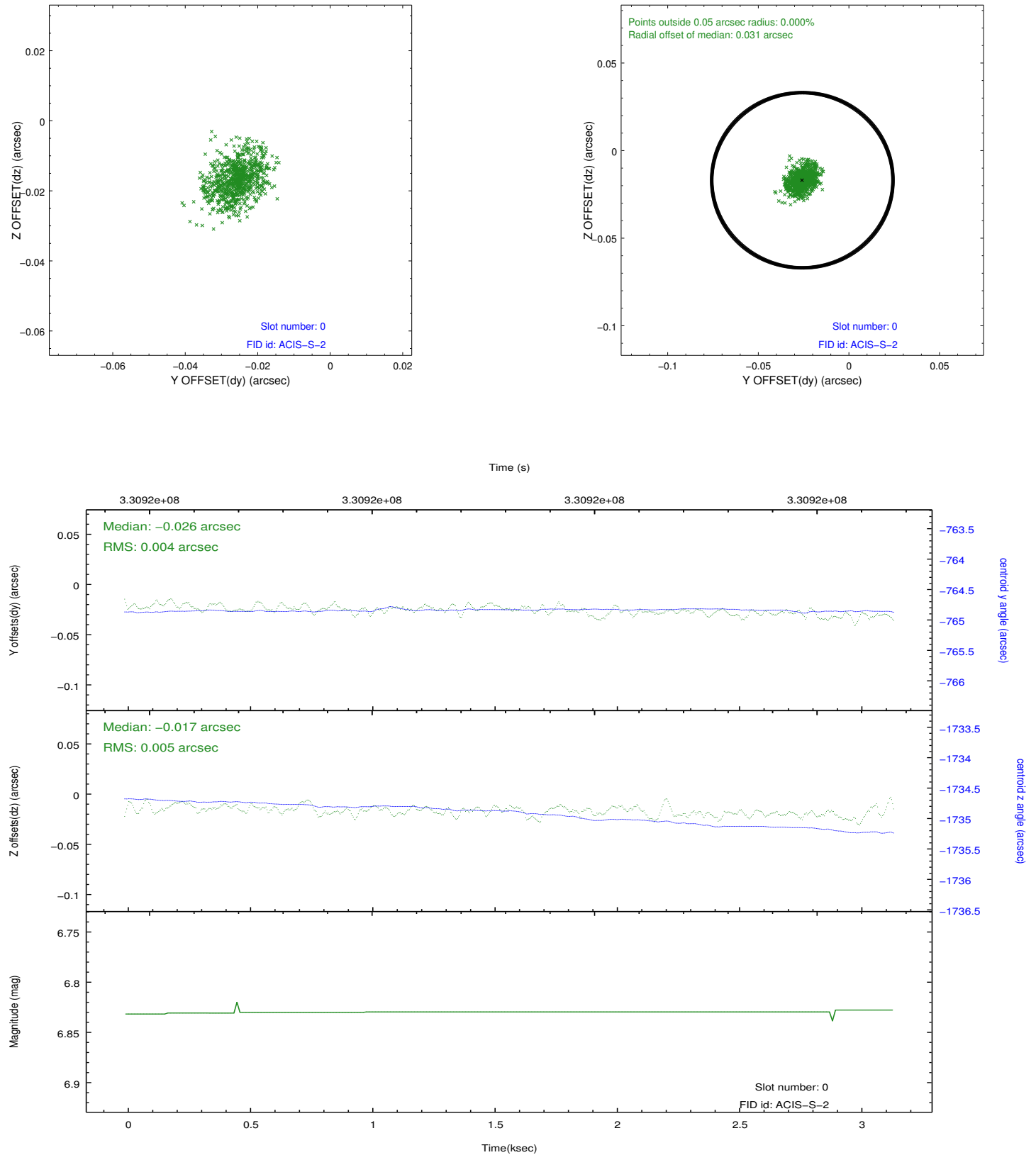


2.4.5 Slot 7

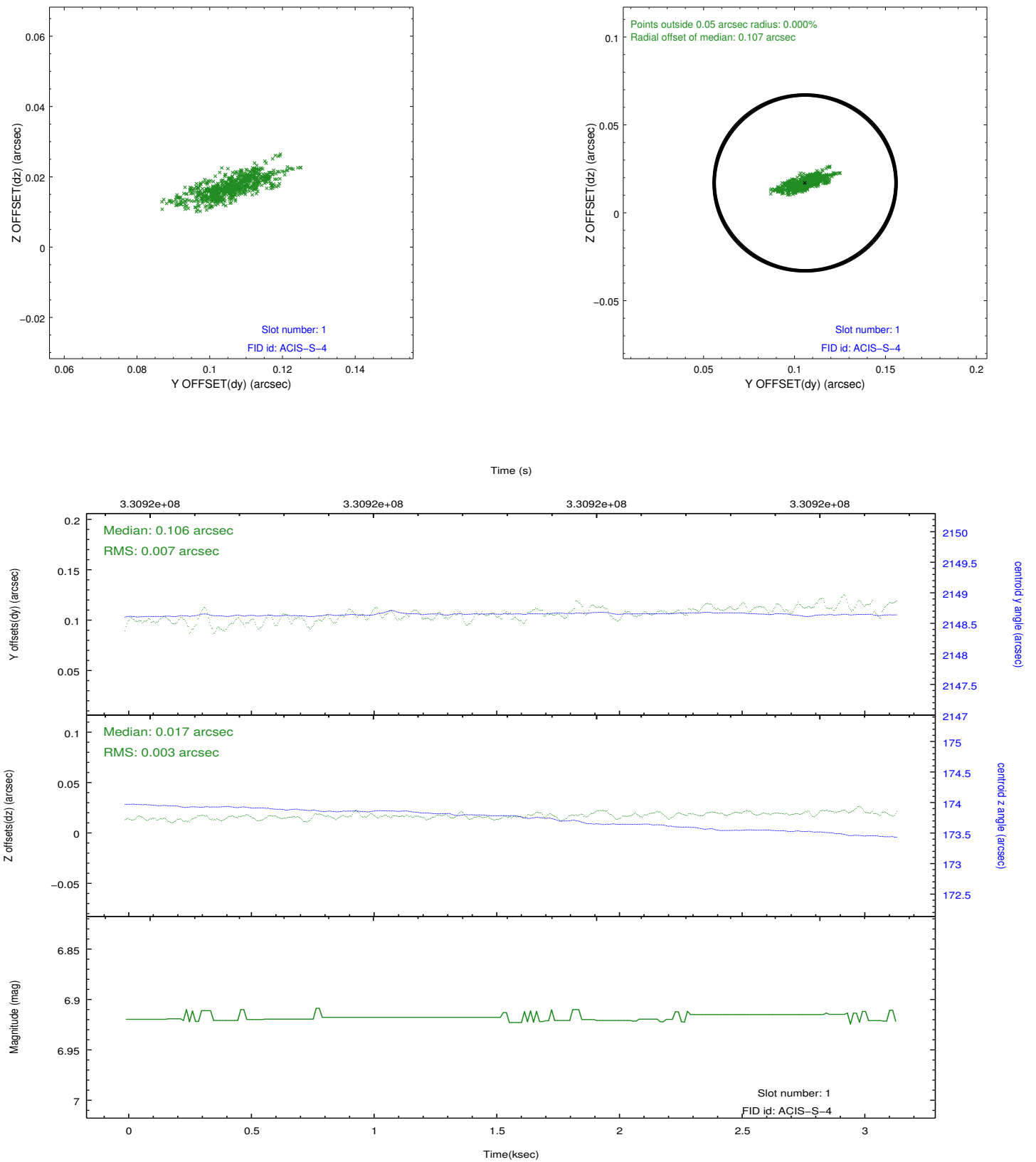


2.5 FID Slots

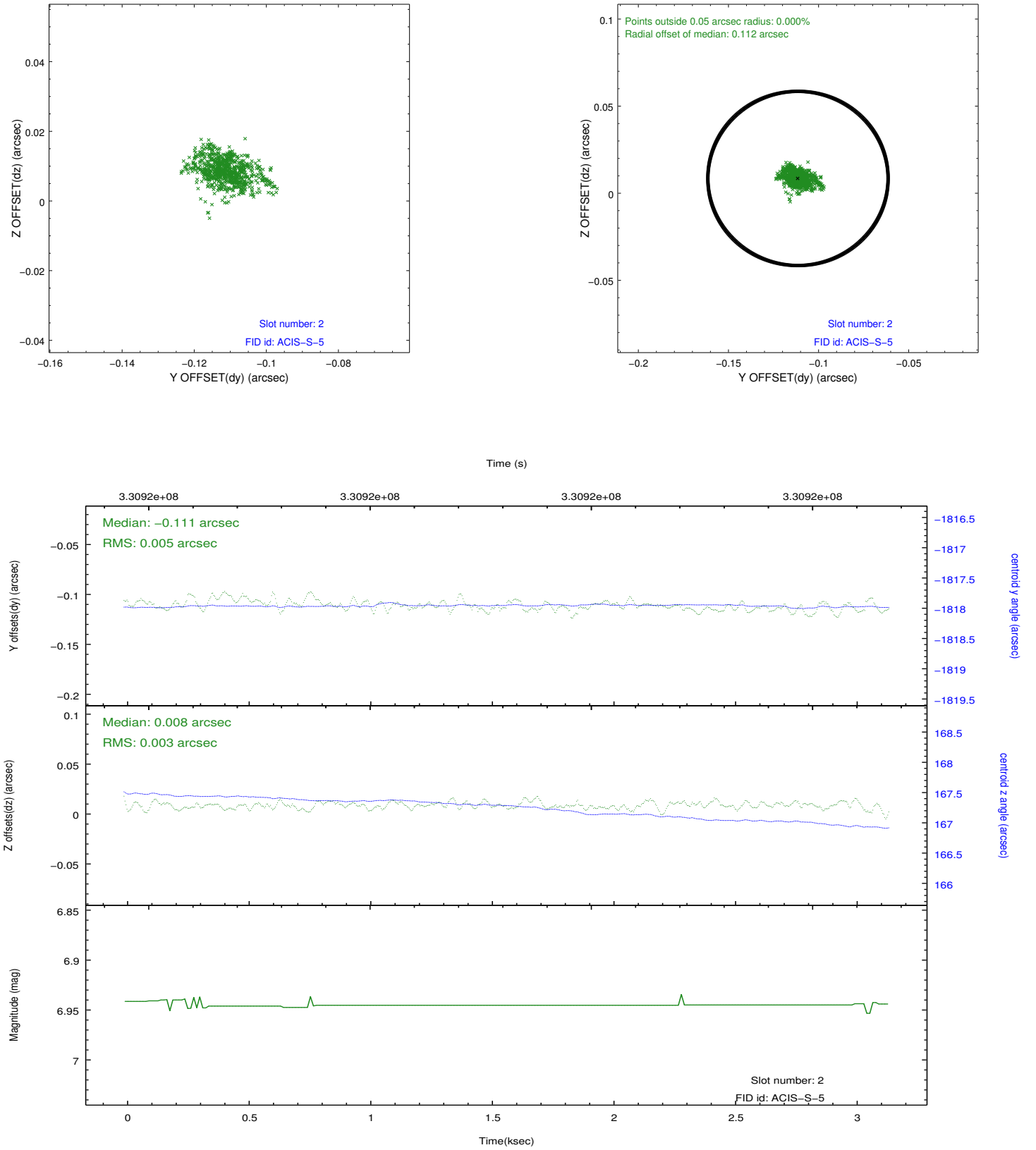
2.5.1 Slot 0



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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.14159997

A.2 Comments

Guide star in slot 6 only tracked about 89% of the time. The guide star in slot 6 was automatically removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution. Joint proposal with HST + Spitzer