

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12796 - L2 Version 2
Chandra X-Ray Center

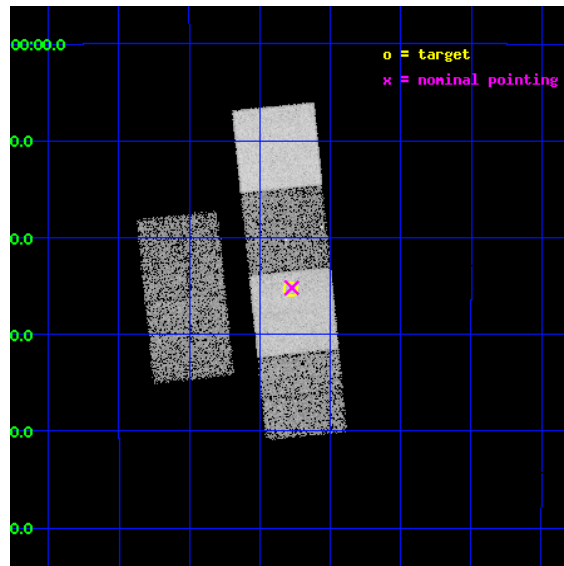
L2 Processing Date : Feb 23 2012

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1 Front

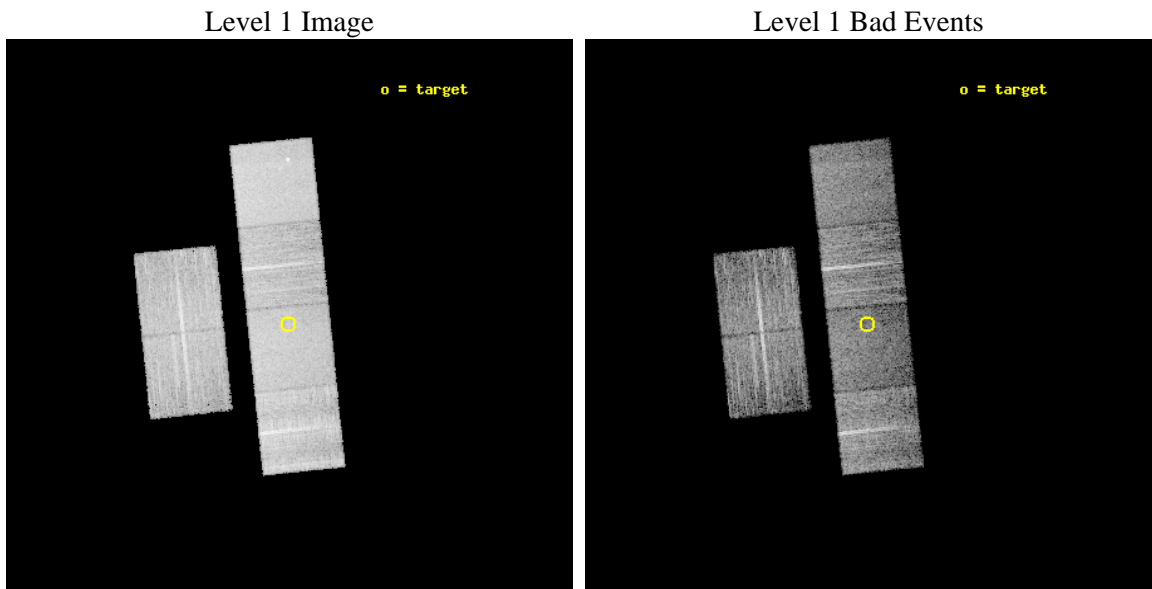
seq_num	702432	Sequence number
obs_id	12796	Observation id
title	Exploratory X-ray Monitoring of z>4 Radio-Quiet Quasars	Proposal t
observer	Prof. Ohad Shemmer	Principal investigator
object	BR 0351-1034	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	58.445417	Observer's specified target RA [deg]
dec_targ	-10.421944	Observer's specified target Dec [deg]
ra_nom	58.443008366259	Nominal RA [deg]
dec_nom	-10.420079528855	Nominal Dec [deg]
roll_nom	84.107915316138	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10051.199962616	Sum of GTIs [s]
livetime	9923.9256165833	Livetime [s]
ontime2	10051.199962616	Sum of GTIs [s]
ontime3	10051.199962616	Sum of GTIs [s]
ontime5	10051.199962616	Sum of GTIs [s]
ontime6	10051.199962616	Sum of GTIs [s]
ontime7	10051.199962616	Sum of GTIs [s]
ontime8	10051.199962616	Sum of GTIs [s]
l2events	111180	Number of level 2 events



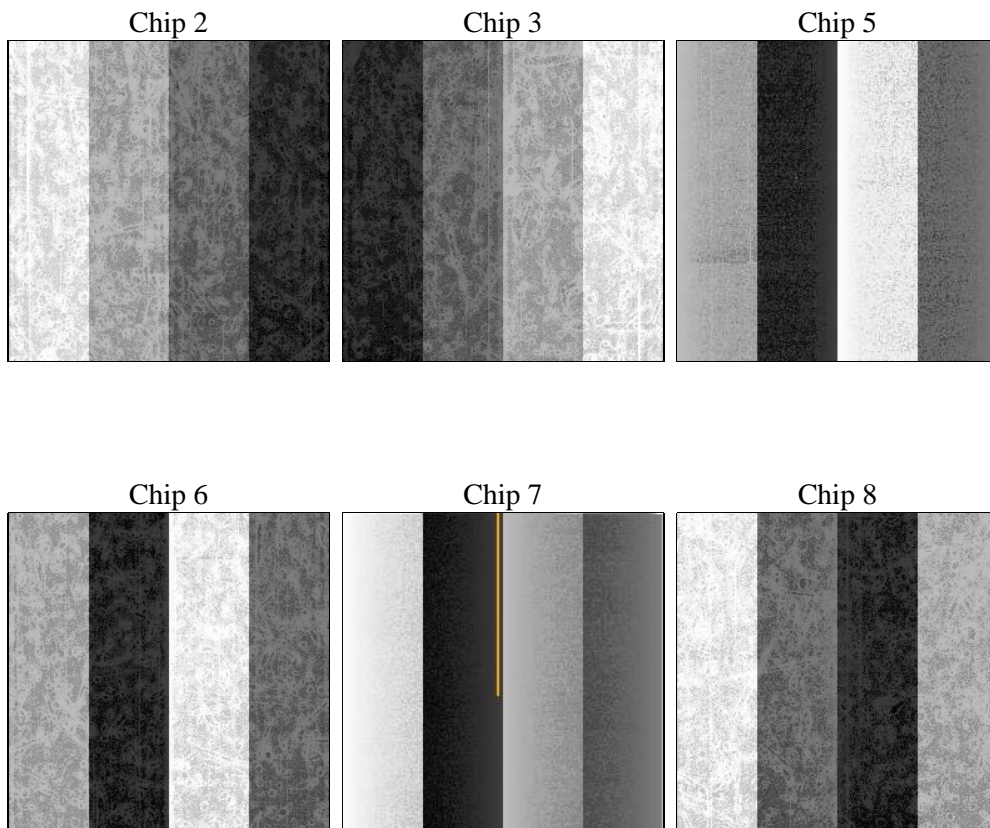
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10051.199962616	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	10051.199962616	Sum of GTIs [s]
date	2012-02-23T14:39:00	Date and time of file creation	ontime3	10051.199962616	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10051.199962616	Sum of GTIs [s]
			ontime6	10051.199962616	Sum of GTIs [s]
			ontime7	10051.199962616	Sum of GTIs [s]
			ontime8	10051.199962616	Sum of GTIs [s]
			l1events	475377	Number of level 1 events

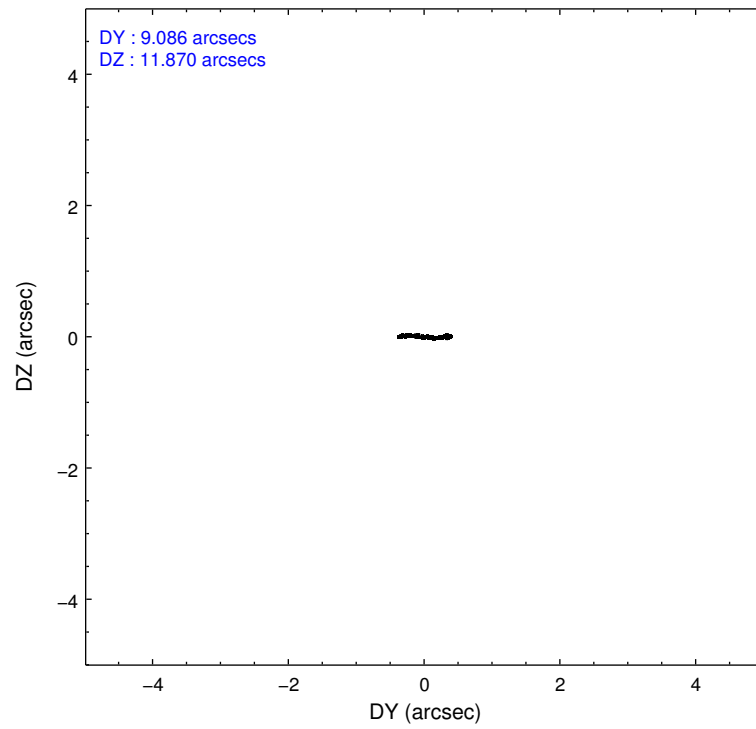
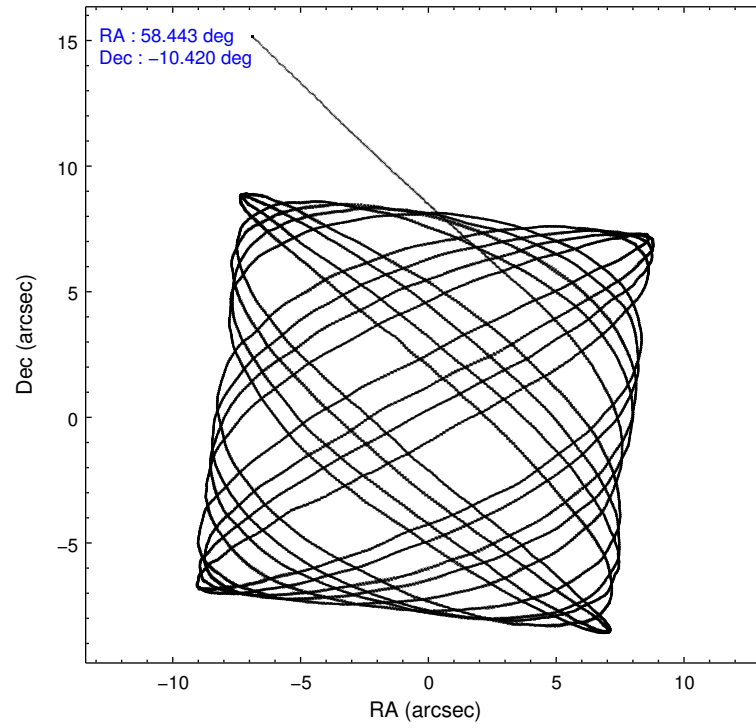
2.1.4 Events

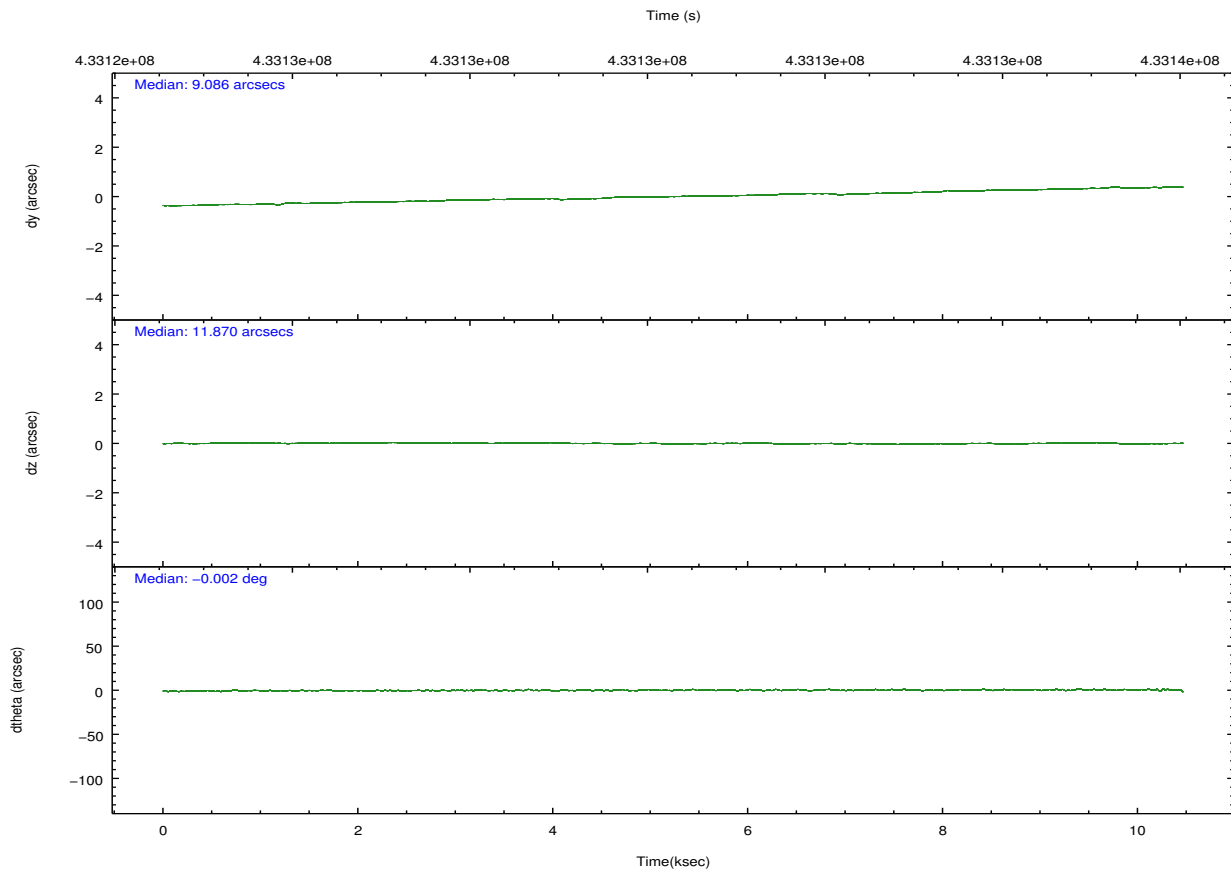
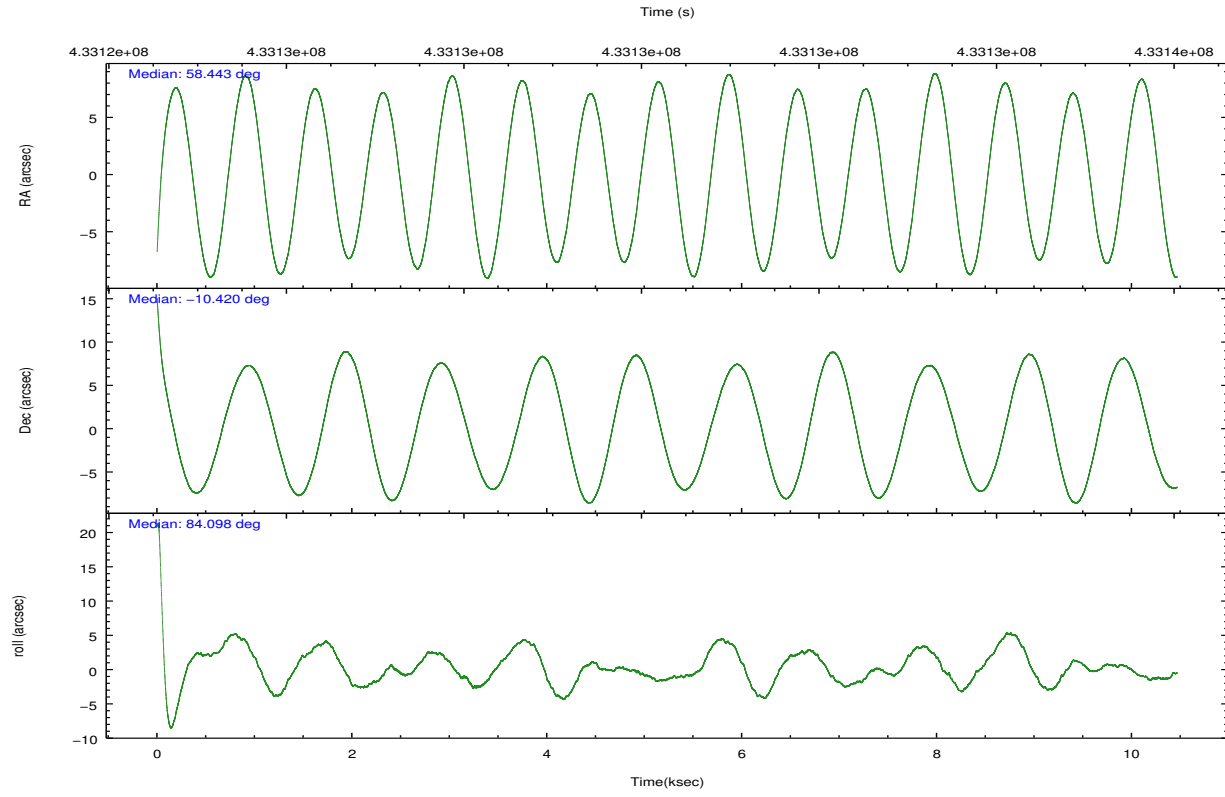
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	69084	63954	100740	68440	83254	89905	grade 0 events	2740	2525	3769	2987	3644	7666
rejected events	61602	56775	51921	60538	45674	64740		3%	3%	3%	4%	4%	8%
rejected %	89%	88%	51%	88%	54%	72%	grade 1 events	40	43	186	42	124	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	1879	1582	14853	1781	7763	5674
								2%	2%	14%	2%	9%	6%
							grade 3 events	731	822	1956	768	3372	2894
								1%	1%	1%	1%	4%	3%
							grade 4 events	748	792	1863	748	3293	2693
								1%	1%	1%	1%	3%	2%
							grade 5 events	2734	3071	7797	3012	8503	4523
								3%	4%	7%	4%	10%	5%
							grade 6 events	1387	1468	26413	1623	19533	6242
								2%	2%	26%	2%	23%	6%
							grade 7 events	58825	53651	43903	57479	37022	60118
								85%	83%	43%	83%	44%	66%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	58.454703	58.44300836625918	CCD I2 on	O2	Y
[deg] Pointing Dec	-10.444866	-10.42007952885526	CCD I3 on	O1	Y
[deg] Pointing Roll	83.953362	84.10791531613751	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[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)	433125523.184000	433124223.81627	CCD S5 on	N	N
Observation start date	2011-09-23T00:37:37	2011-09-23T00:17:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	433135523.184000	433136214.77939	On-chip summing requested	N	N
Observation end date	2011-09-23T03:24:17	2011-09-23T03:36:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



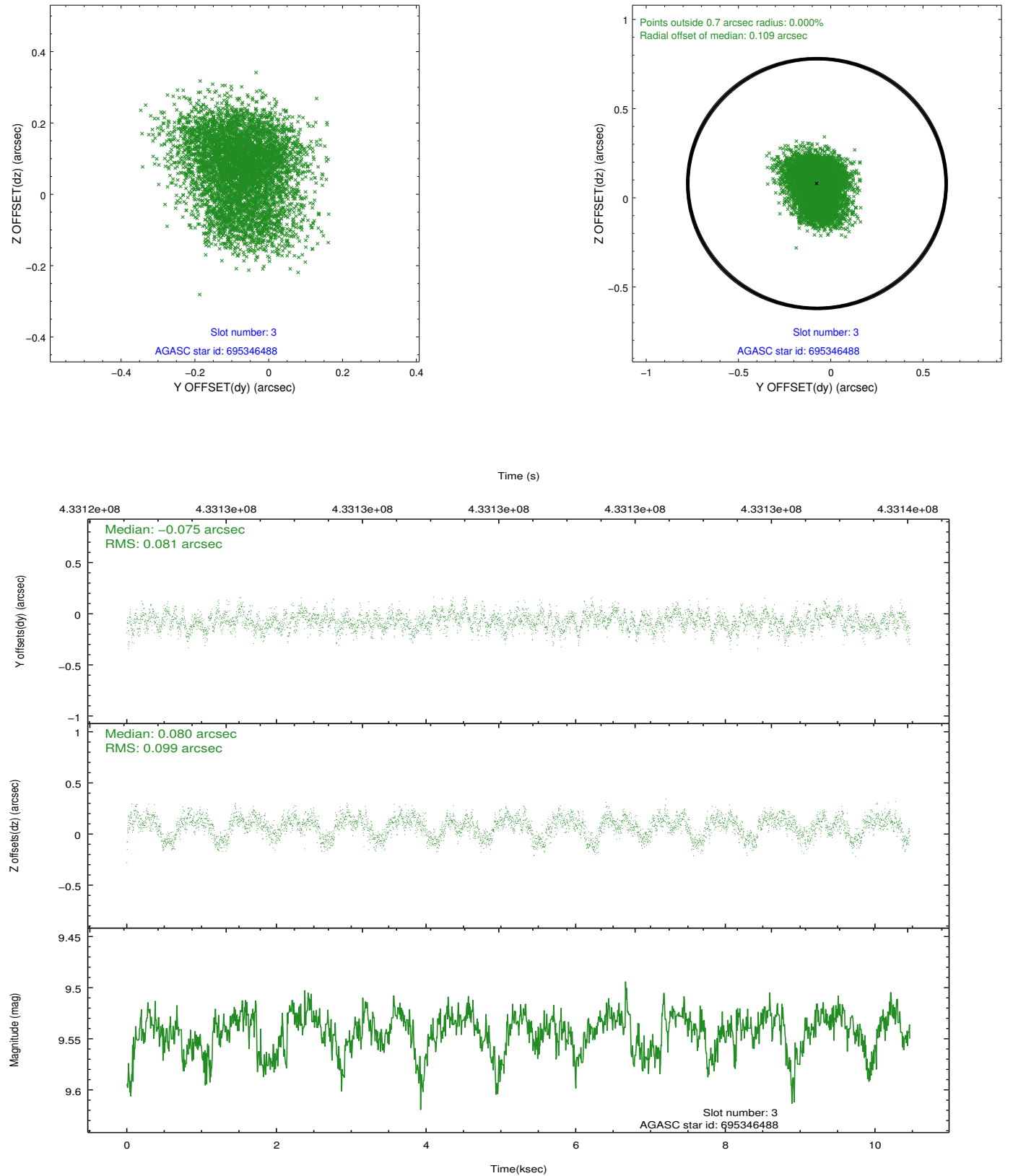


Slot Statistics

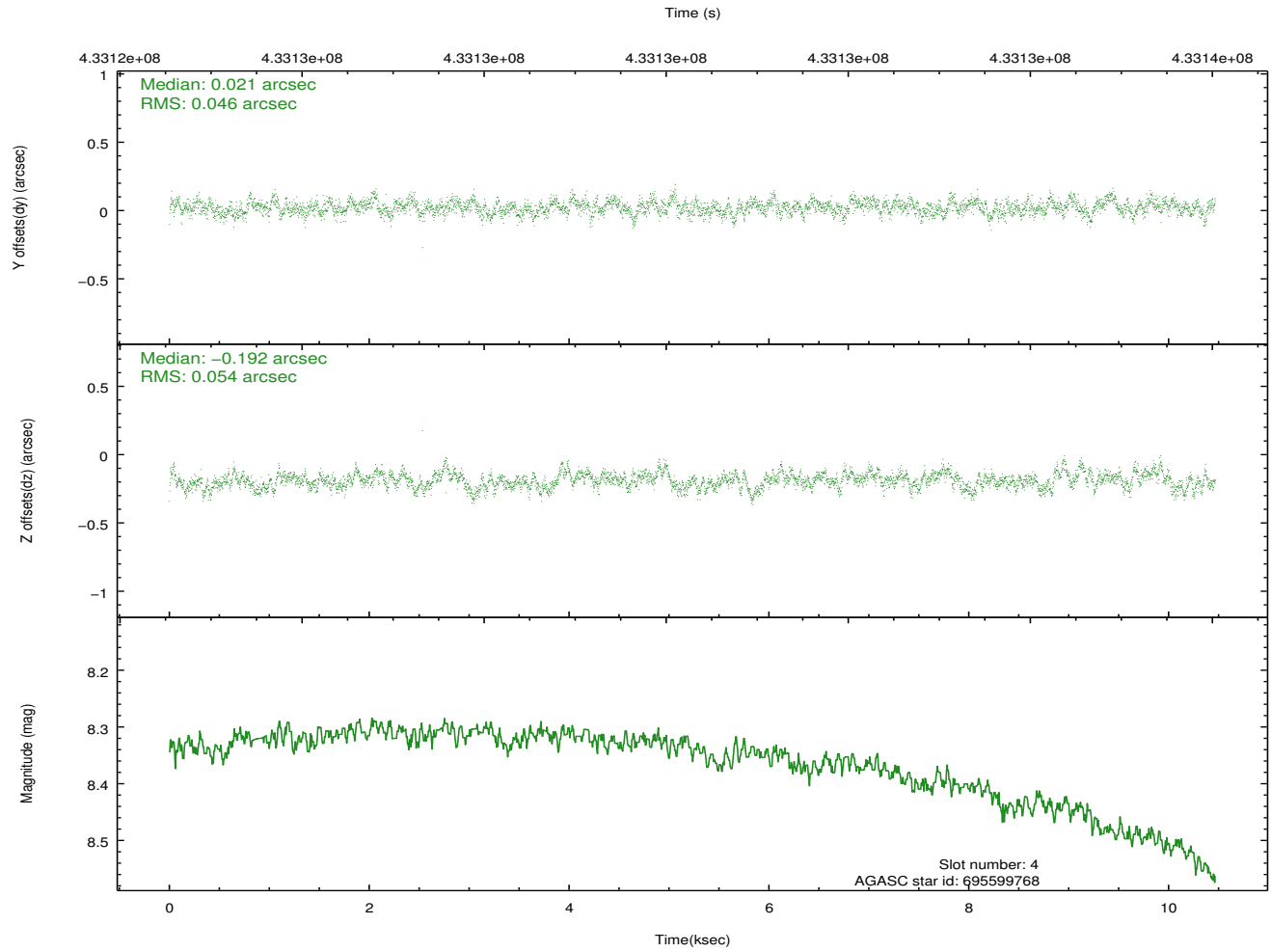
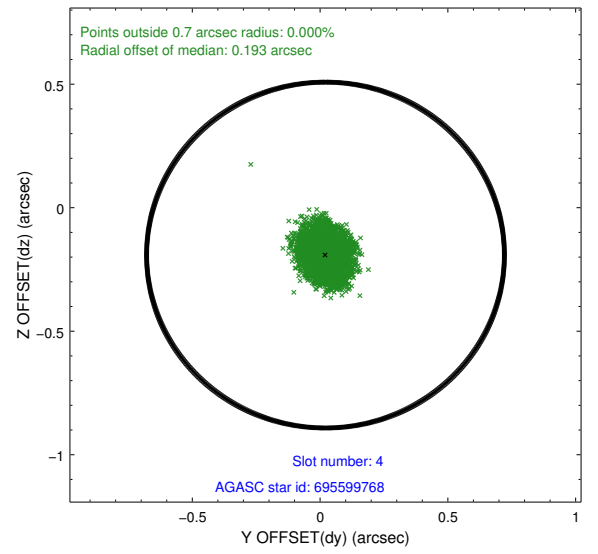
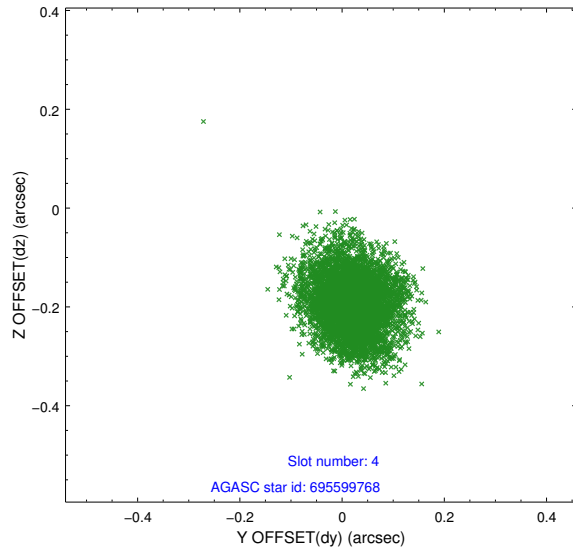
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	2553	-0.109	-0.080	0.007	0.014	0.000000	0.000000	-762.05	-1733.22
1	FID	ACIS-S-4	7.06	2553	0.134	0.044	0.007	0.012	0.000000	0.000000	2151.29	174.79
2	FID	ACIS-S-6	7.19	2552	-0.053	0.043	0.008	0.013	0.000000	0.000000	400.70	812.80
3	GUIDE	695346488	9.54	5096	-0.075	0.080	0.139	0.218	58.999951	-9.982646	1857.26	-1746.90
4	GUIDE	695599768	8.34	5105	0.021	-0.192	0.075	0.122	57.972264	-10.530423	-488.58	1665.39
5	GUIDE	695604392	9.27	5098	0.093	-0.028	0.092	0.148	58.154149	-10.872582	-1643.28	894.91
6	GUIDE	695736200	8.97	5097	0.076	0.022	0.103	0.174	58.904941	-10.536646	-161.38	-1619.19
7	GUIDE	695738664	9.18	5099	-0.116	0.131	0.103	0.168	59.003553	-10.335305	596.13	-1891.54

2.4 Star Slots

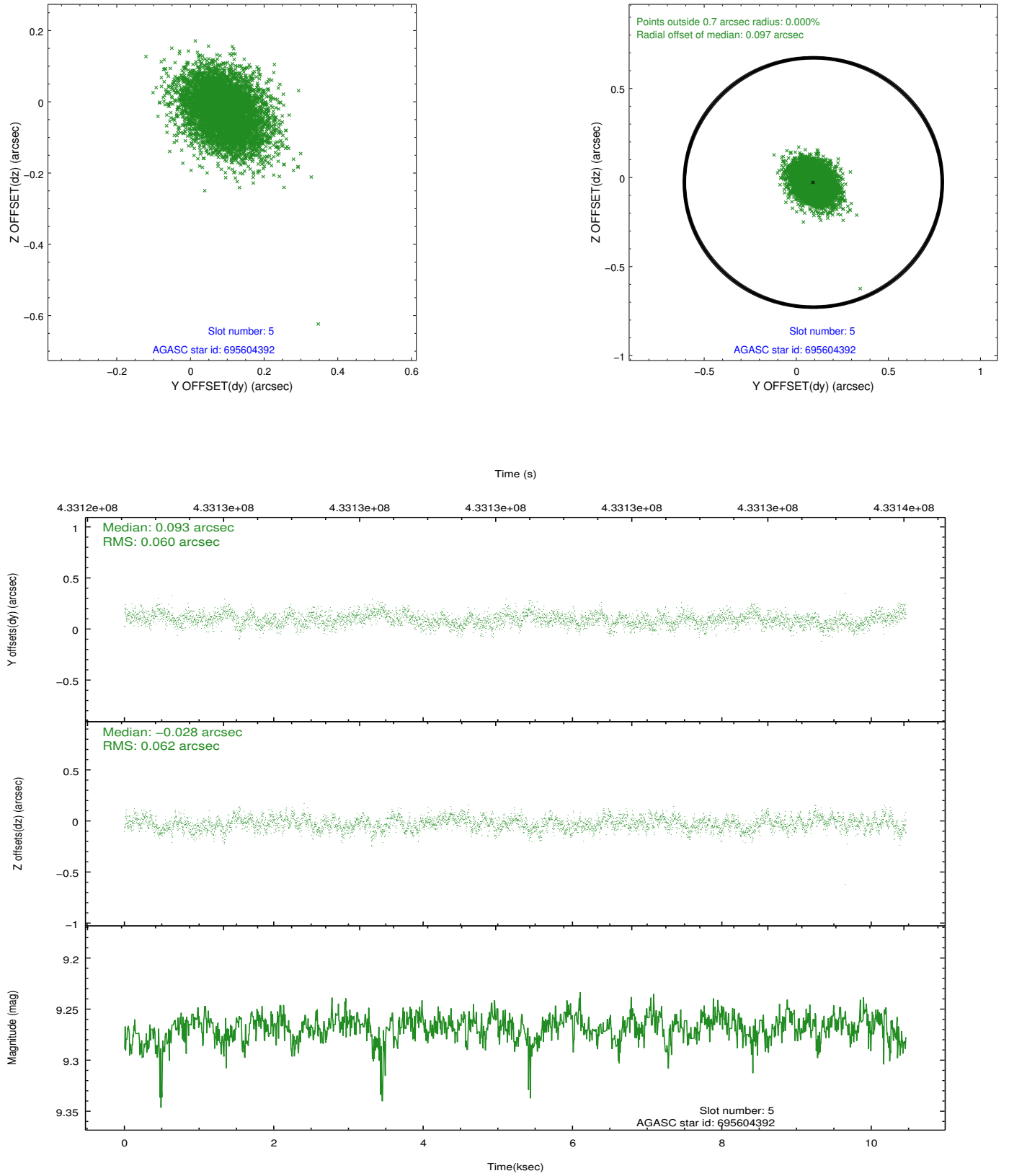
2.4.1 Slot 3



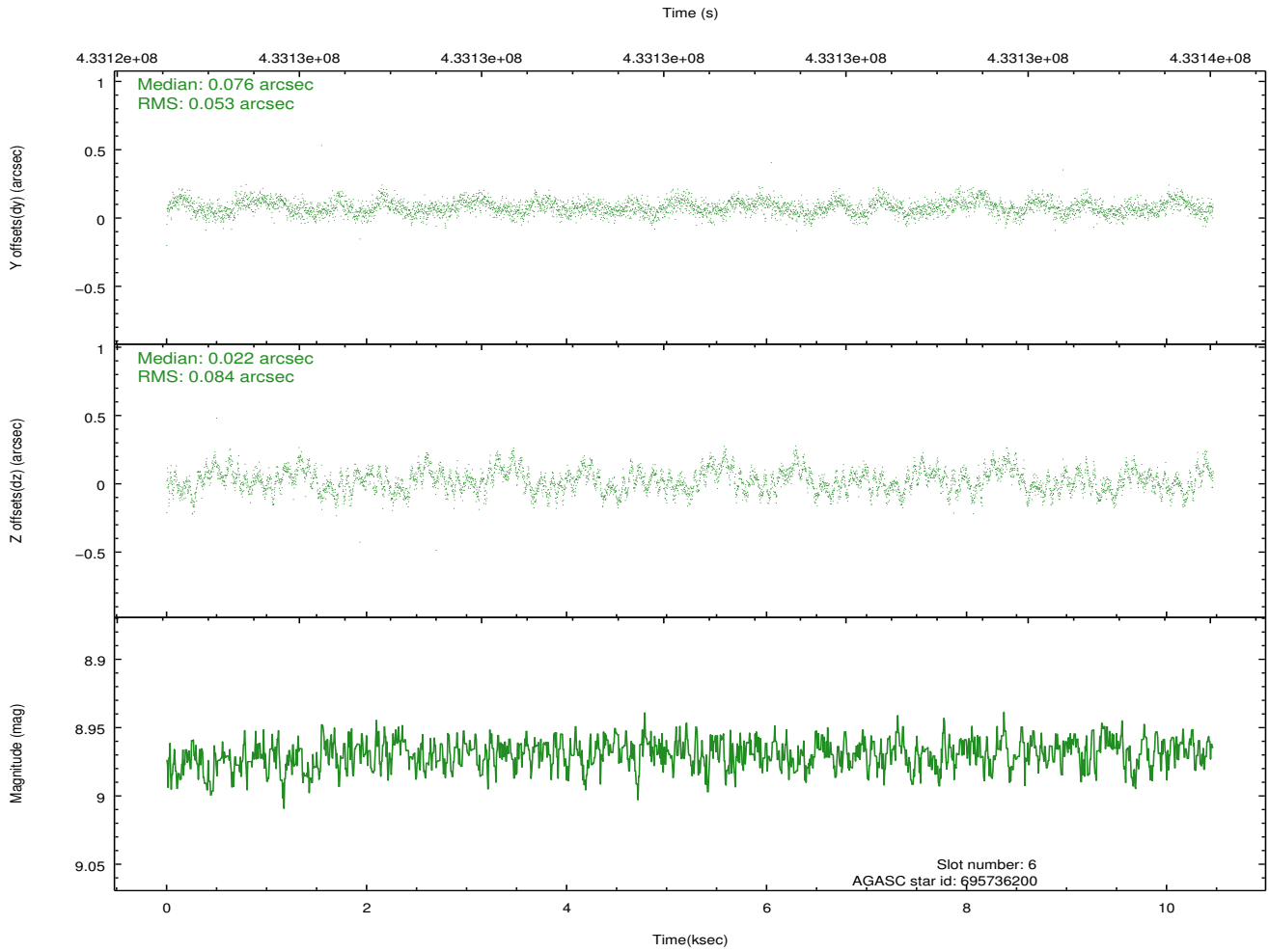
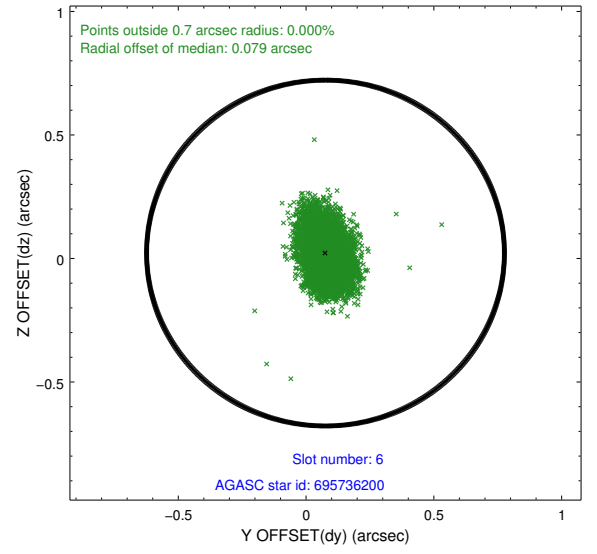
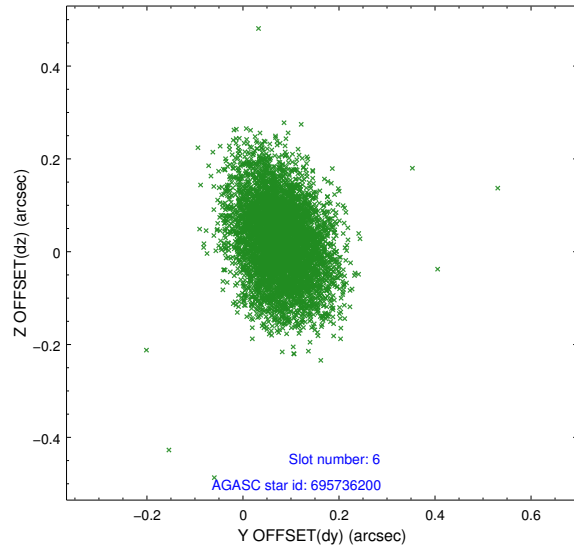
2.4.2 Slot 4



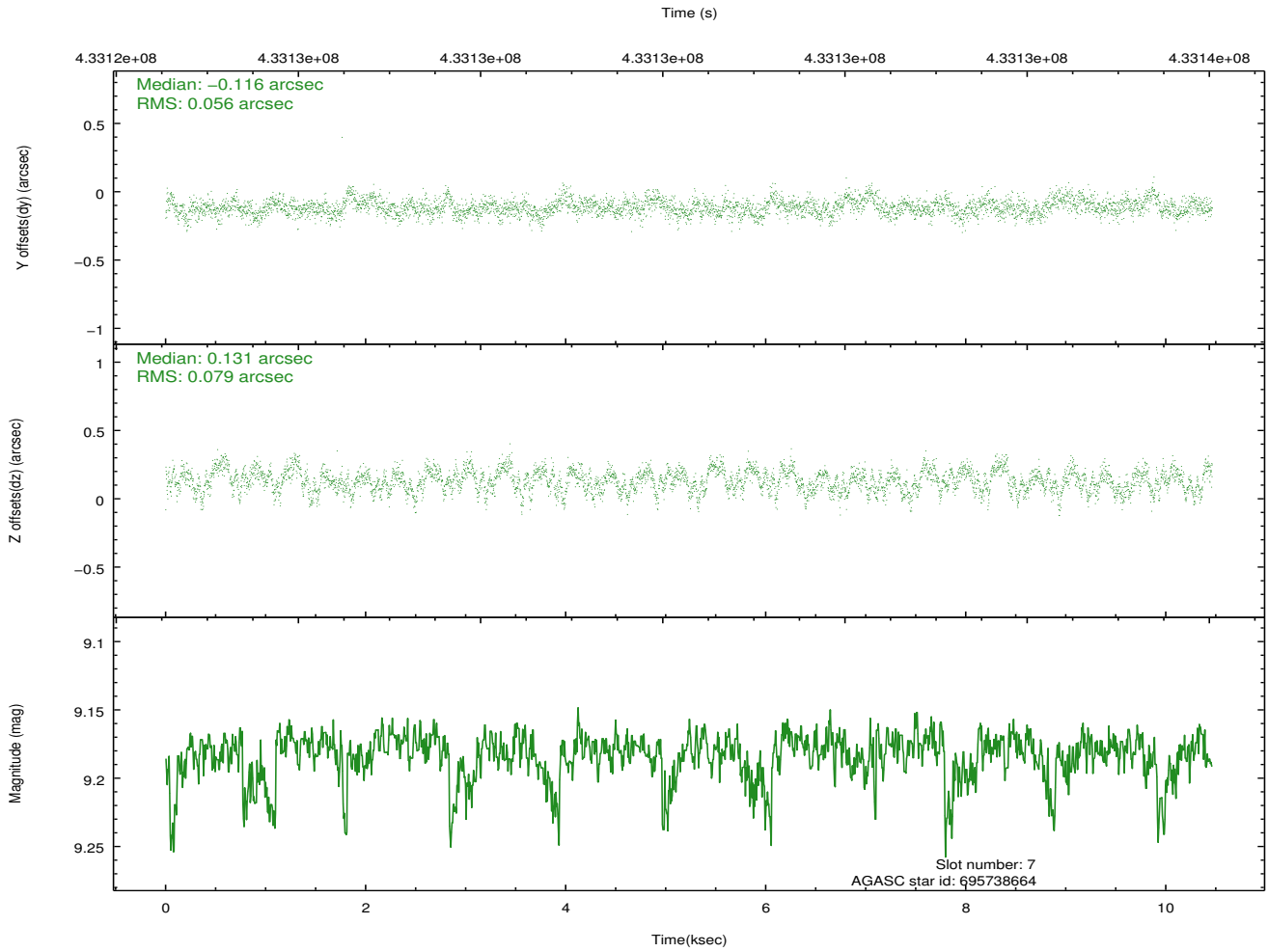
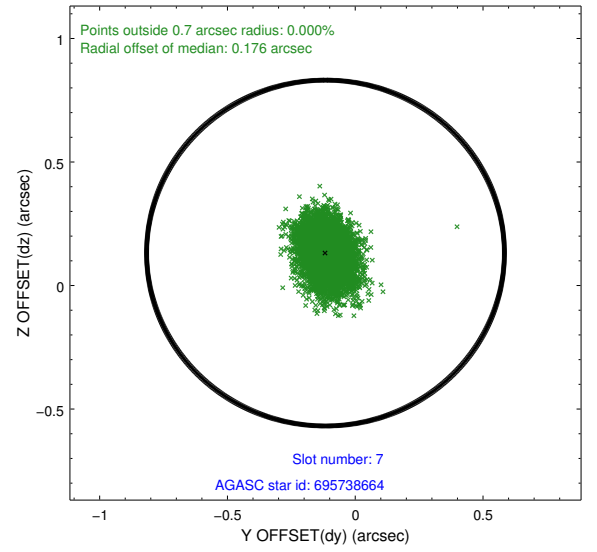
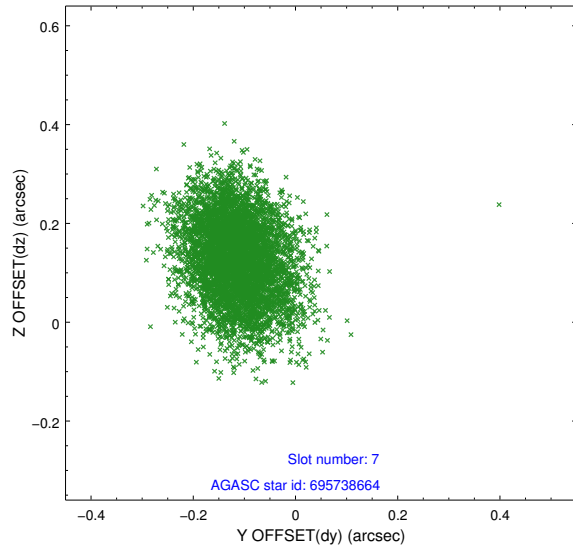
2.4.3 Slot 5



2.4.4 Slot 6

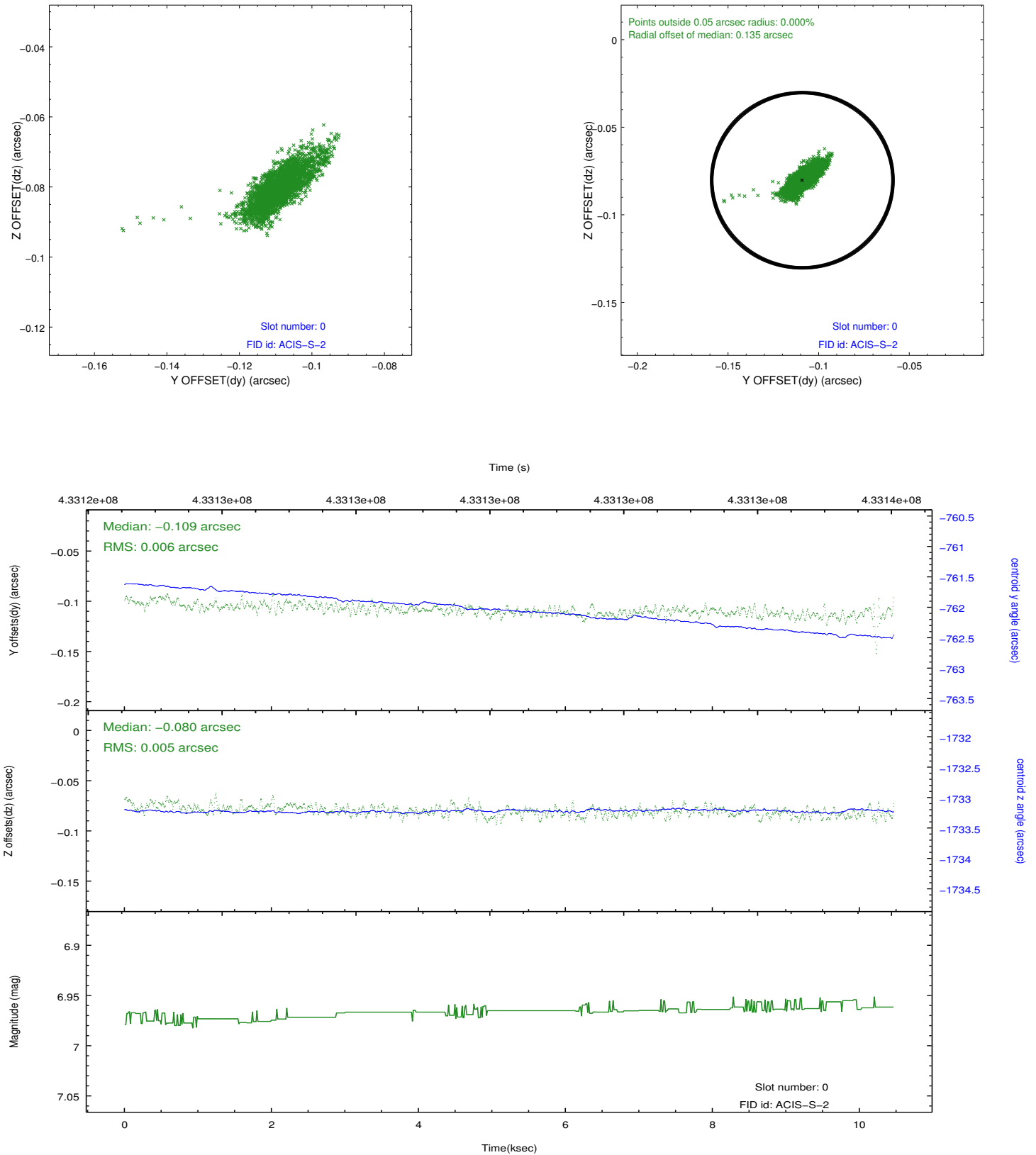


2.4.5 Slot 7

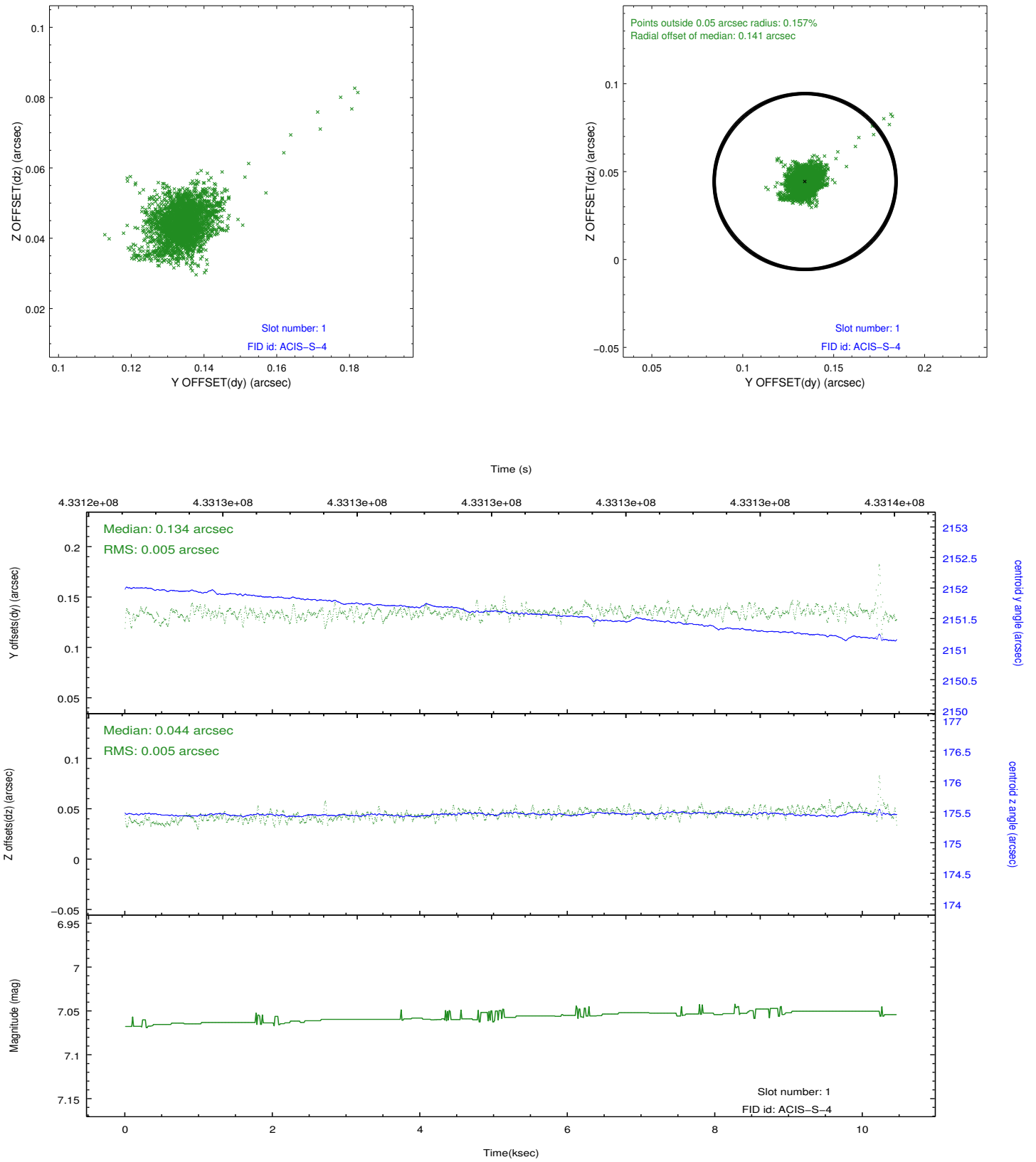


2.5 FID Slots

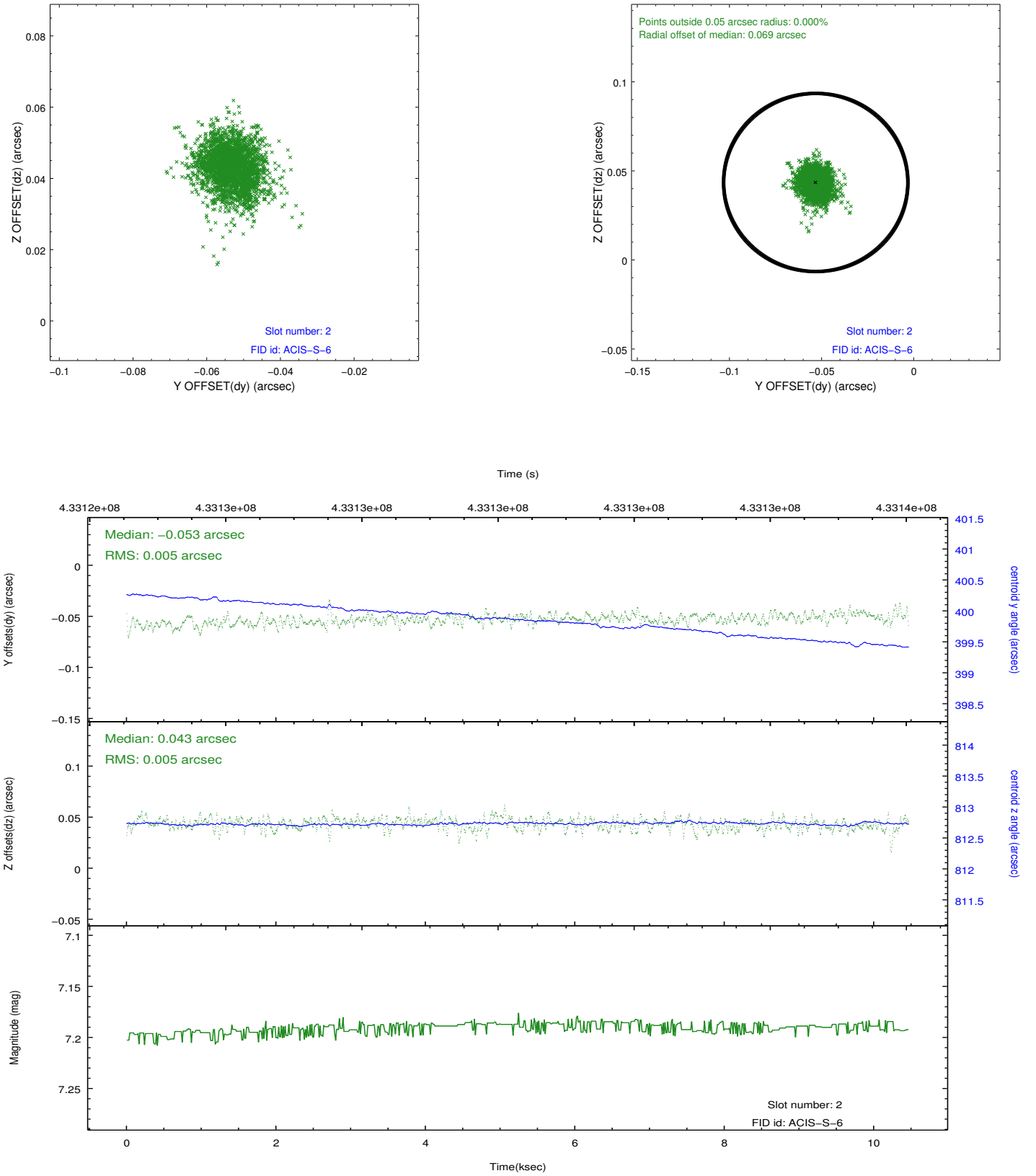
2.5.1 Slot 0



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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.051199962616

A.2 Comments