

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12979 - L2 Version 2
Chandra X-Ray Center

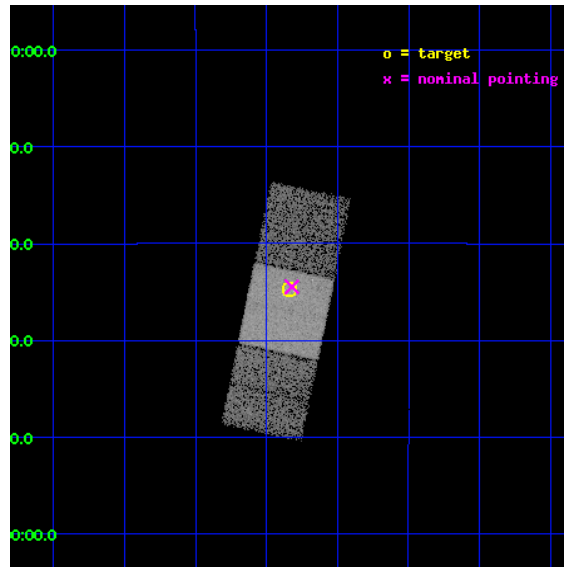
L2 Processing Date : Feb 18 2012

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1 Front

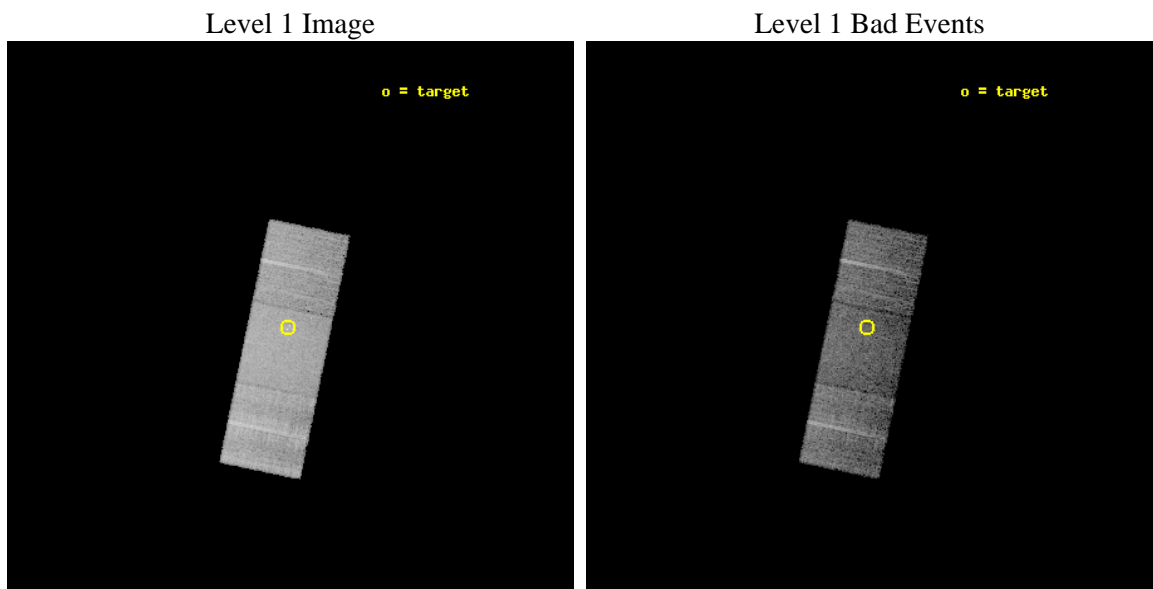
seq_num	600947	Sequence number
obs_id	12979	Observation id
title	Black-hole--galaxy co-evolution at the end of the Hubble sequence	
observer	Prof. Smita Mathur	Principal investigator
object	NGC 0337	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	14.95875	Observer's specified target RA [deg]
dec_targ	-7.578056	Observer's specified target Dec [deg]
ra_nom	14.955368584331	Nominal RA [deg]
dec_nom	-7.5744868577453	Nominal Dec [deg]
roll_nom	101.69576740854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10061.569153309	Sum of GTIs [s]
livetime	9930.1073451014	Livetime [s]
ontime6	10061.528113306	Sum of GTIs [s]
ontime7	10061.569153309	Sum of GTIs [s]
ontime8	10061.487073302	Sum of GTIs [s]
l2events	49309	Number of level 2 events



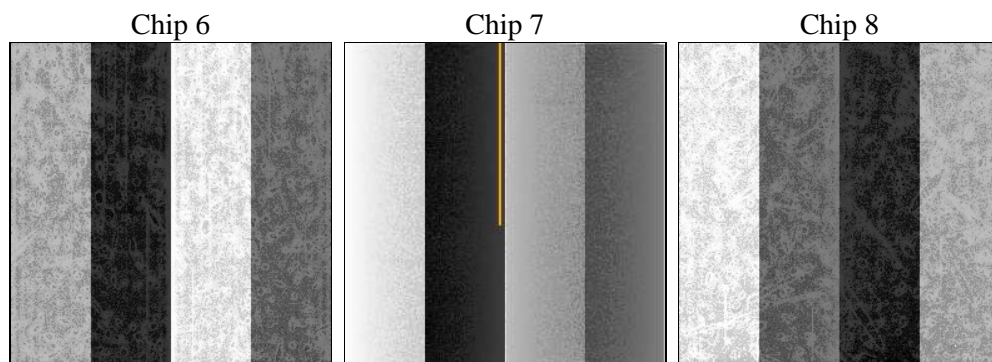
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10061.569153309	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	10061.528113306	Sum of GTIs [s]
date	2012-02-18T04:54:29	Date and time of file creation	ontime7	10061.569153309	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	10061.487073302	Sum of GTIs [s]
			l1events	222576	Number of level 1 events

2.1.4 Events

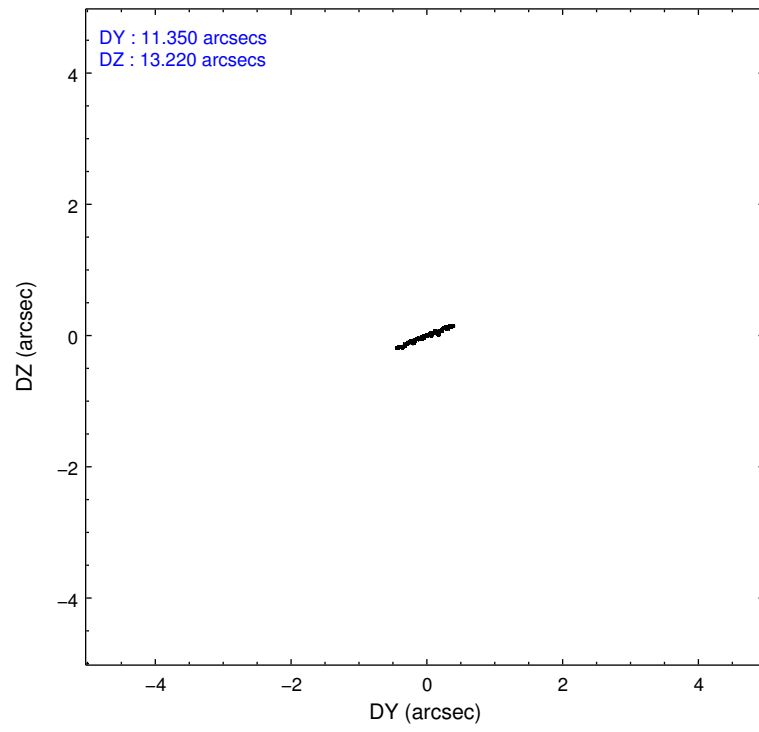
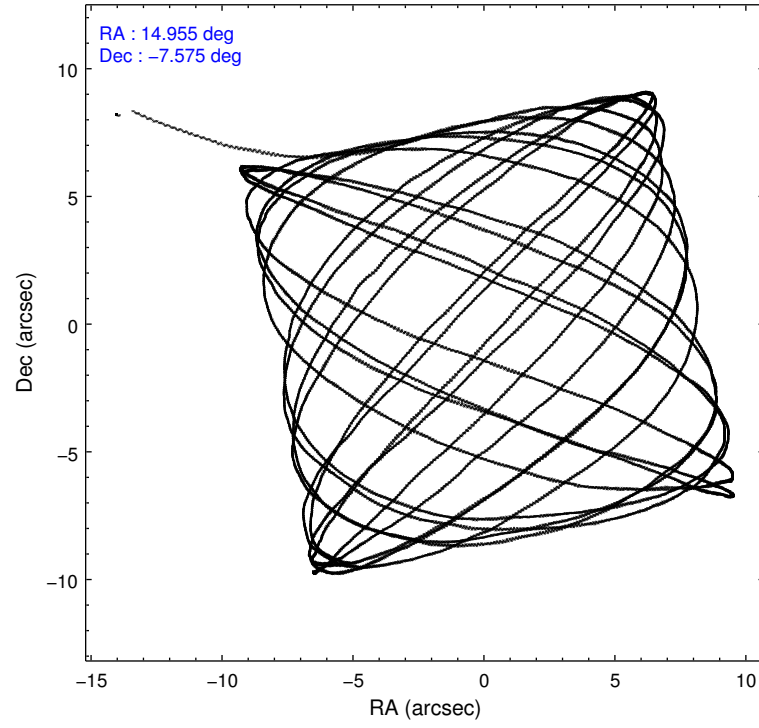
	ccd 6	ccd 7	ccd 8
level 1 events	59770	79794	83012
rejected events	52583	43494	60166
rejected %	87%	54%	72%

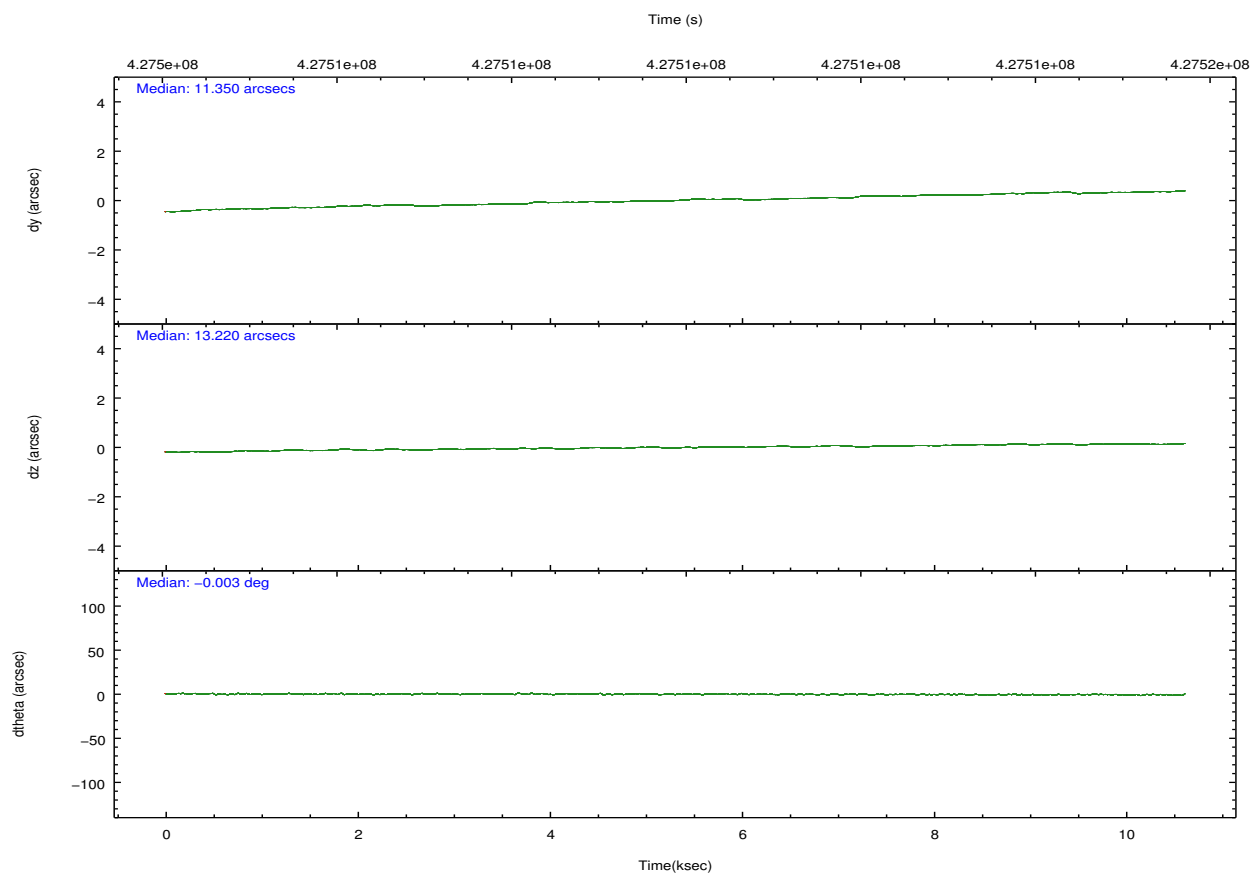
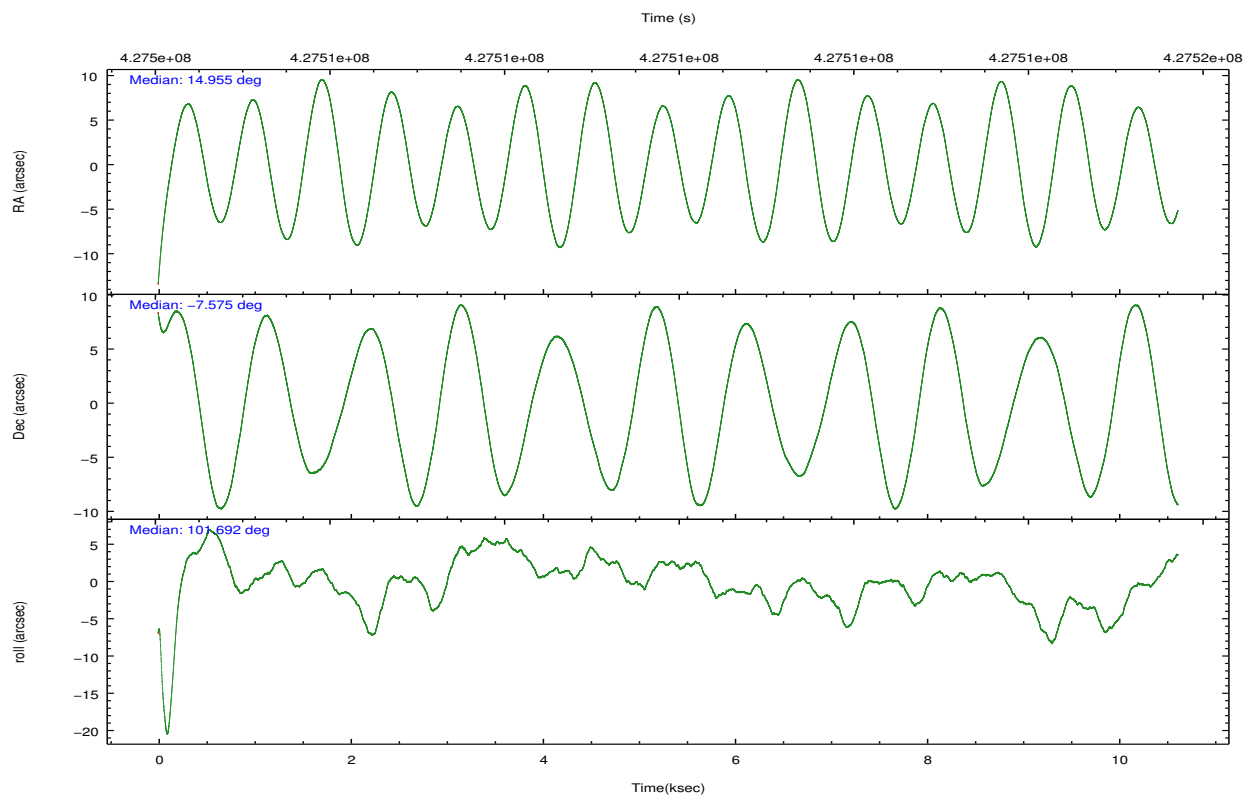
	ccd 6	ccd 7	ccd 8
grade 0 events	2474	3497	6848
	4%	4%	8%
grade 1 events	29	121	57
	0%	0%	0%
grade 2 events	1635	7491	5283
	2%	9%	6%
grade 3 events	729	3216	2437
	1%	4%	2%
grade 4 events	751	3173	2262
	1%	3%	2%
grade 5 events	2916	8241	4285
	4%	10%	5%
grade 6 events	1601	18946	6020
	2%	23%	7%
grade 7 events	49635	35109	55820
	83%	43%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	14.974015	14.9553685843314	CCD I2 on	N	N
[deg] Pointing Dec	-7.594702	-7.574486857745319	CCD I3 on	N	N
[deg] Pointing Roll	101.541586	101.6957674085429	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	O1	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	O2	Y
[s] Observation start time (MET)	427505183.184000	427504022.95923	CCD S5 on	N	N
Observation start date	2011-07-19T23:25:17	2011-07-19T23:07:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	427515183.184000	427516038.52235	On-chip summing requested	N	N
Observation end date	2011-07-20T02:11:57	2011-07-20T02:27:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



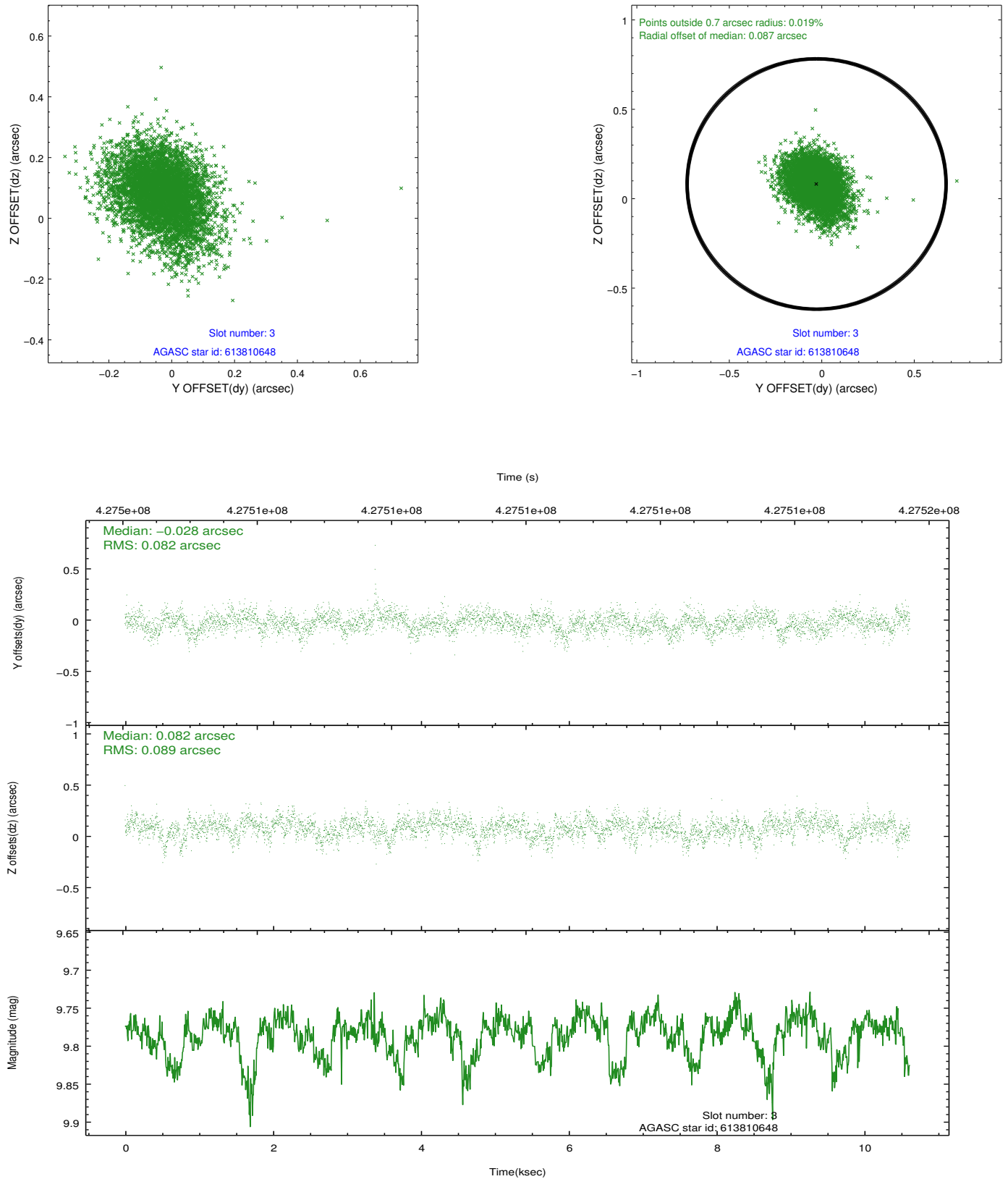


Slot Statistics

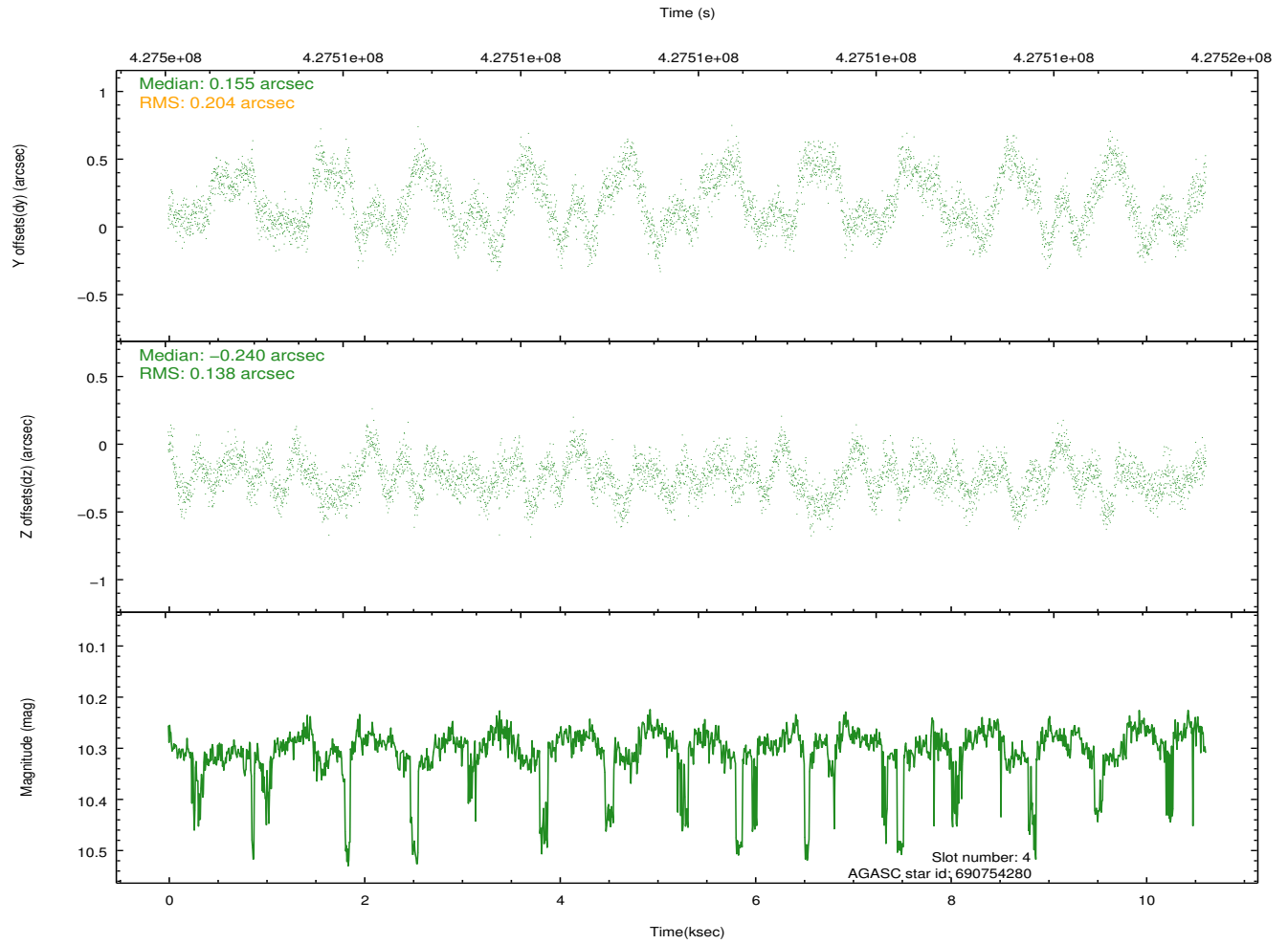
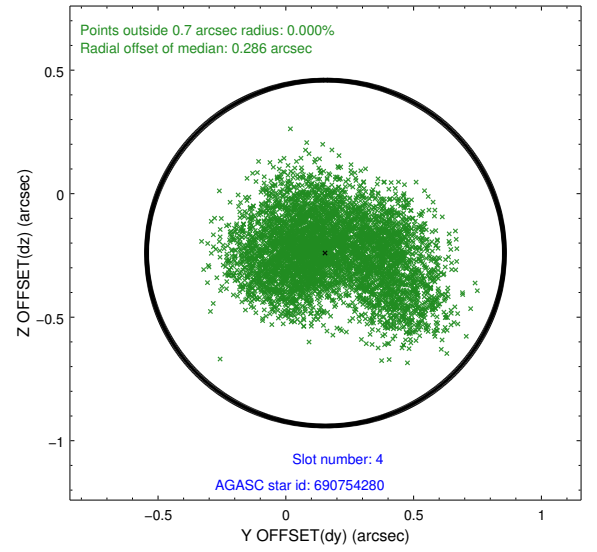
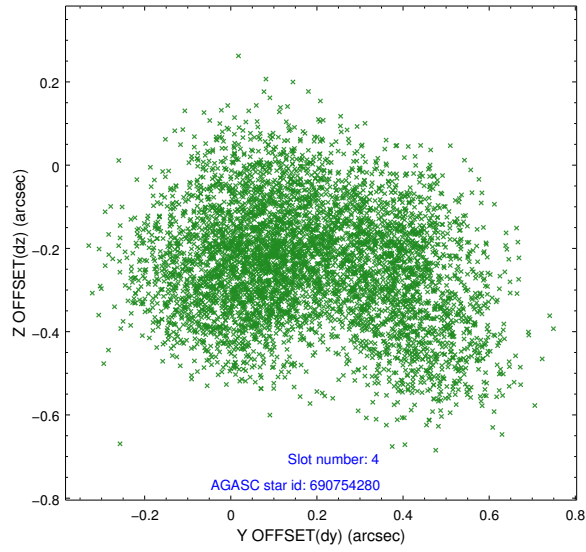
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	2590	-0.037	-0.035	0.008	0.013	0.000000	0.000000	-764.29	-1734.56
1	FID	ACIS-S-4	6.96	2590	0.164	0.028	0.010	0.015	0.000000	0.000000	2149.00	173.42
2	FID	ACIS-S-5	6.99	2590	-0.159	0.016	0.008	0.014	0.000000	0.000000	-1816.59	167.71
3	GUIDE	613810648	9.78	5172	-0.028	0.082	0.126	0.216	15.024099	-7.441021	505.92	-285.54
4	GUIDE	690754280	10.30	5152	0.155	-0.240	0.268	0.420	14.919122	-8.198454	-2090.90	626.98
5	GUIDE	691150696	9.09	5176	0.054	0.275	0.154	0.224	15.614658	-8.025636	-1978.71	-1926.35
6	GUIDE	613812824	9.91	5150	0.076	0.127	0.195	0.352	15.543002	-7.085312	1388.60	-2358.73
7	GUIDE	613417112	9.93	5177	-0.287	-0.243	0.148	0.243	14.630234	-6.983380	2401.78	763.06

2.4 Star Slots

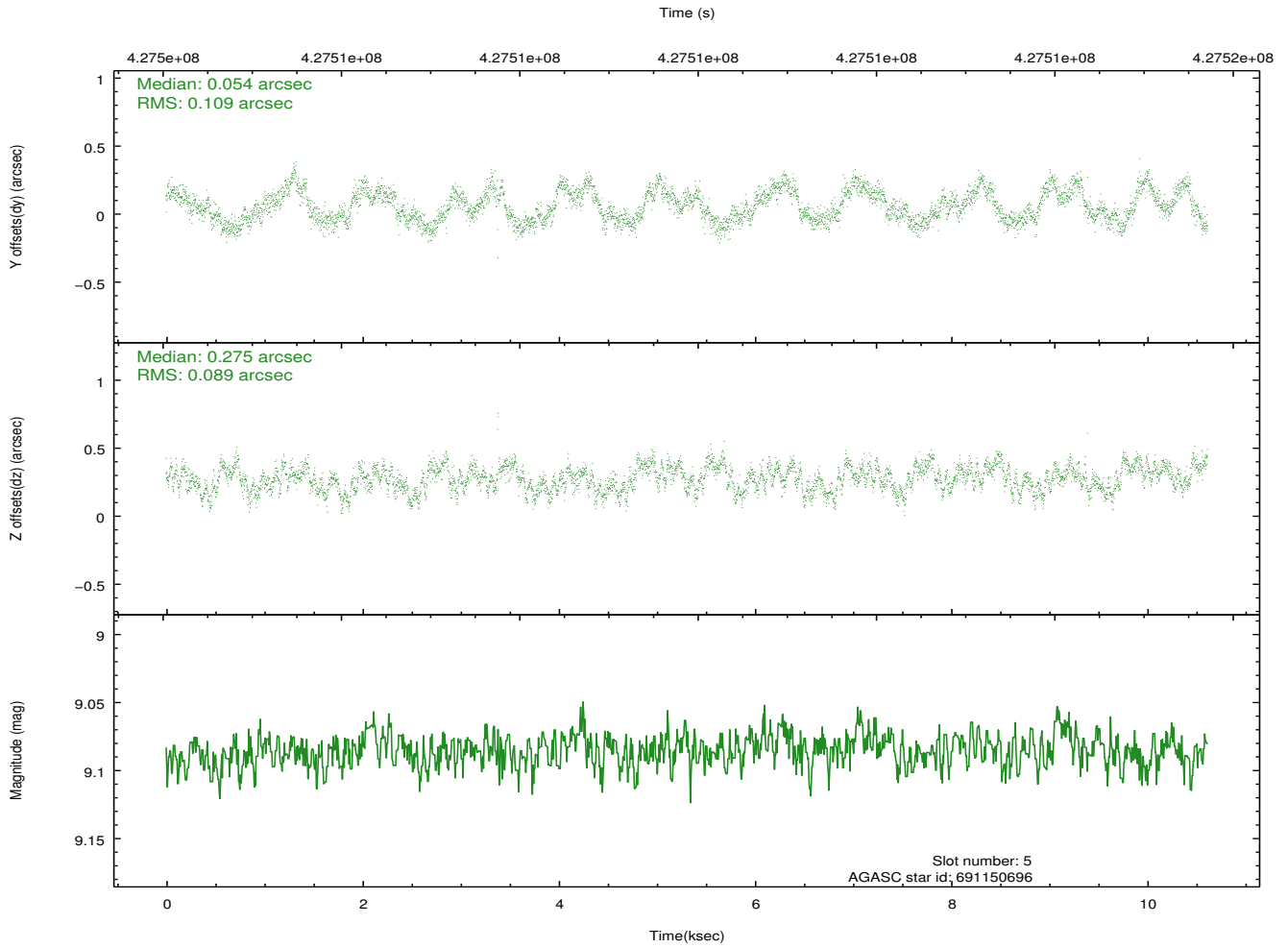
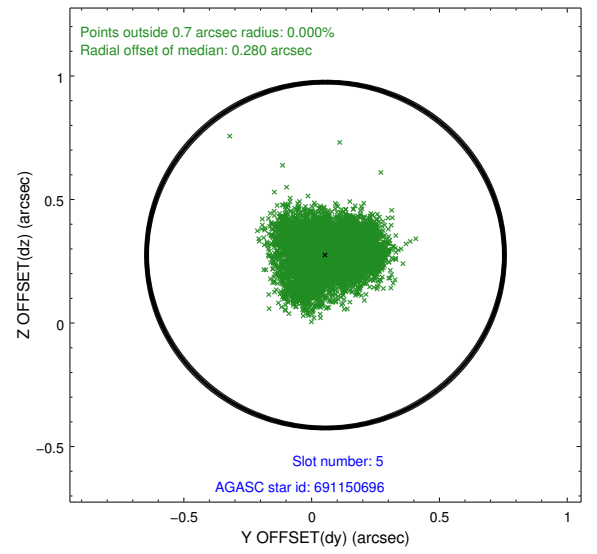
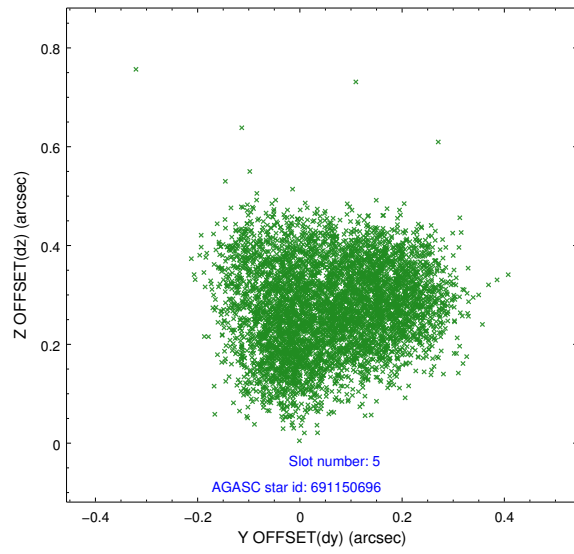
2.4.1 Slot 3



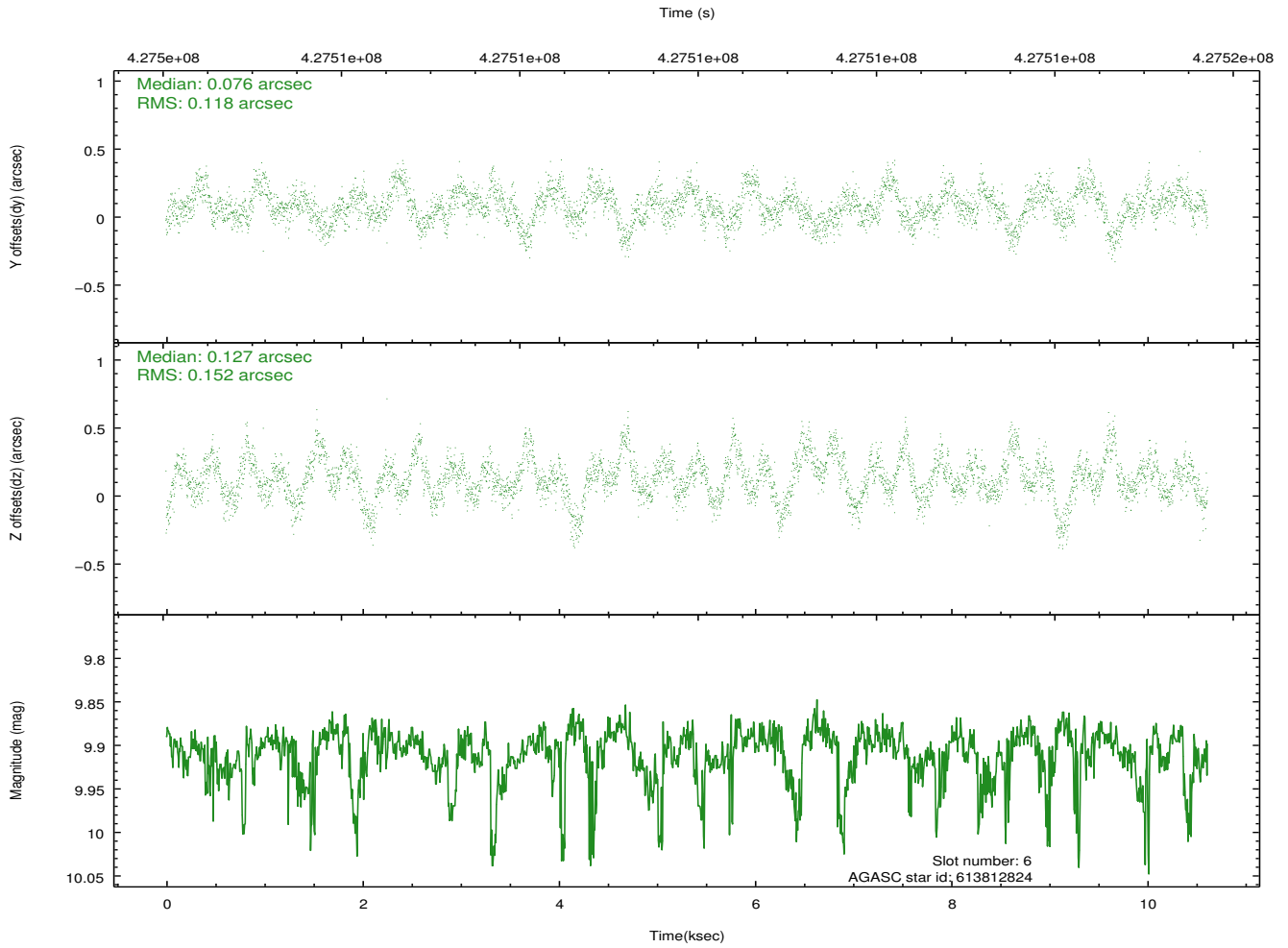
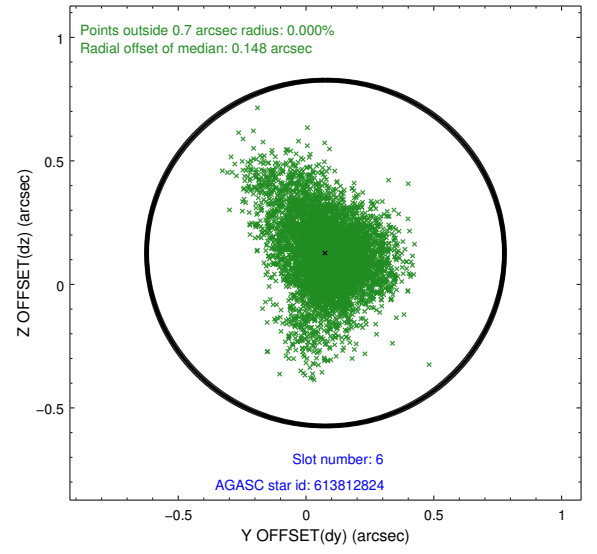
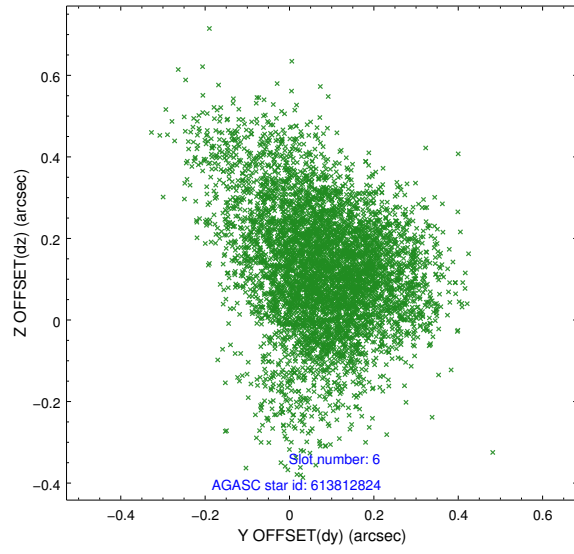
2.4.2 Slot 4



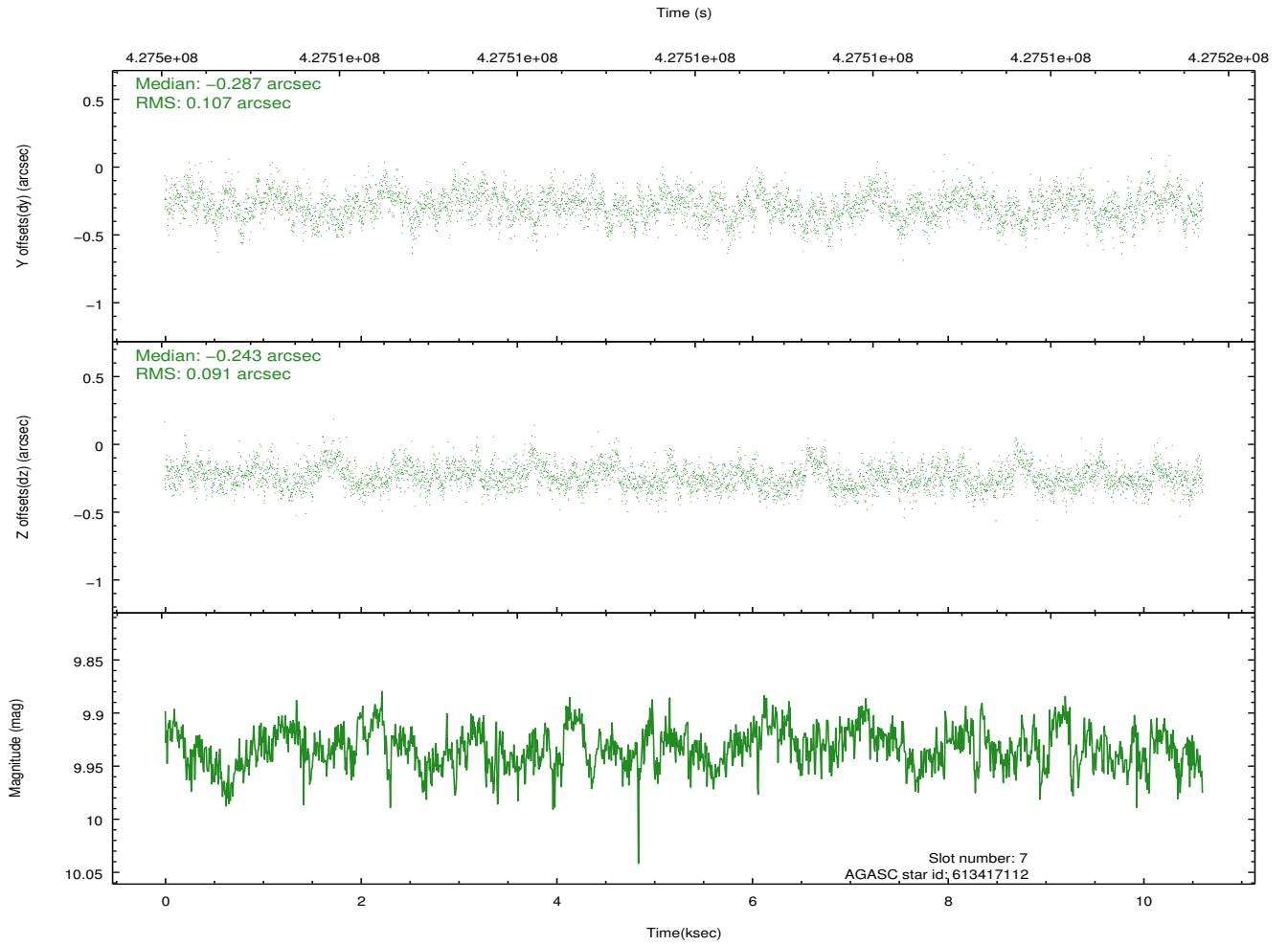
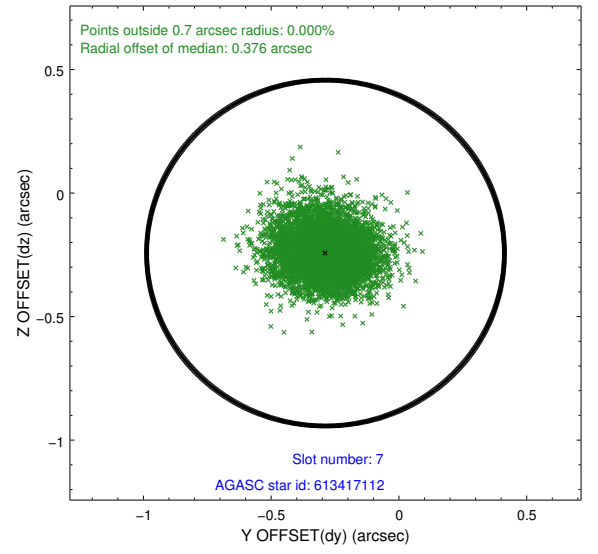
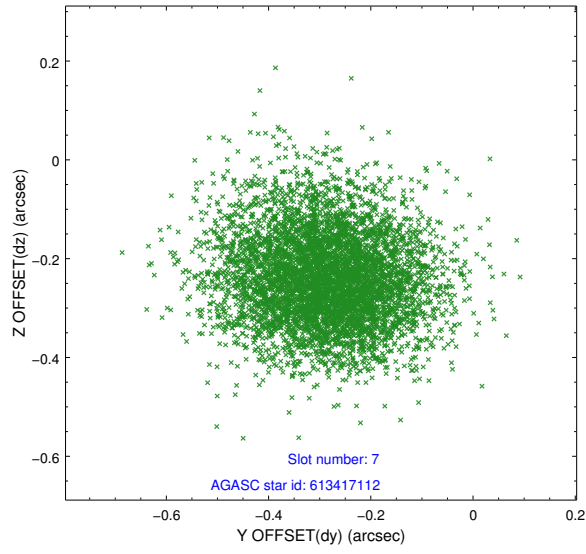
2.4.3 Slot 5



2.4.4 Slot 6

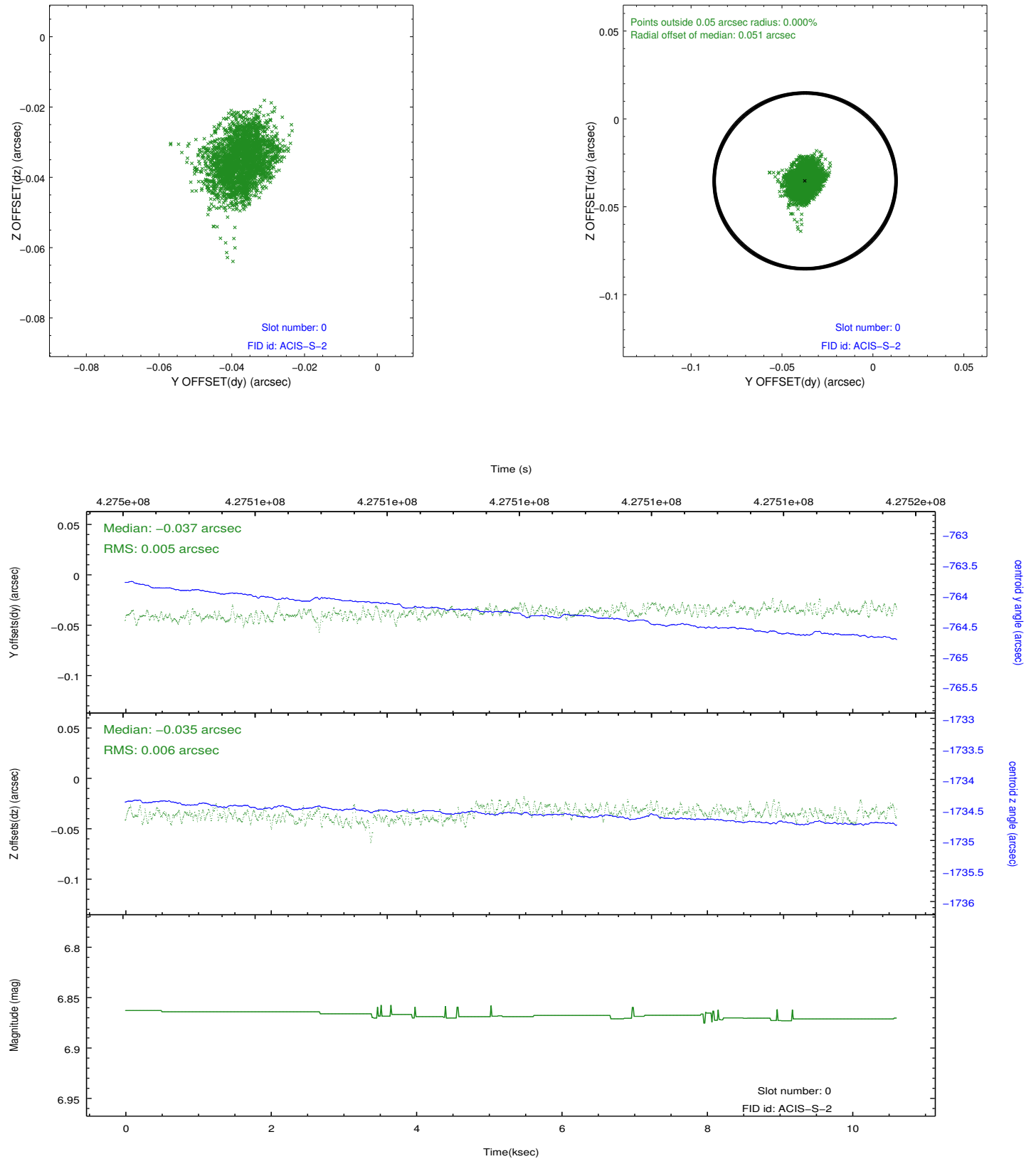


2.4.5 Slot 7

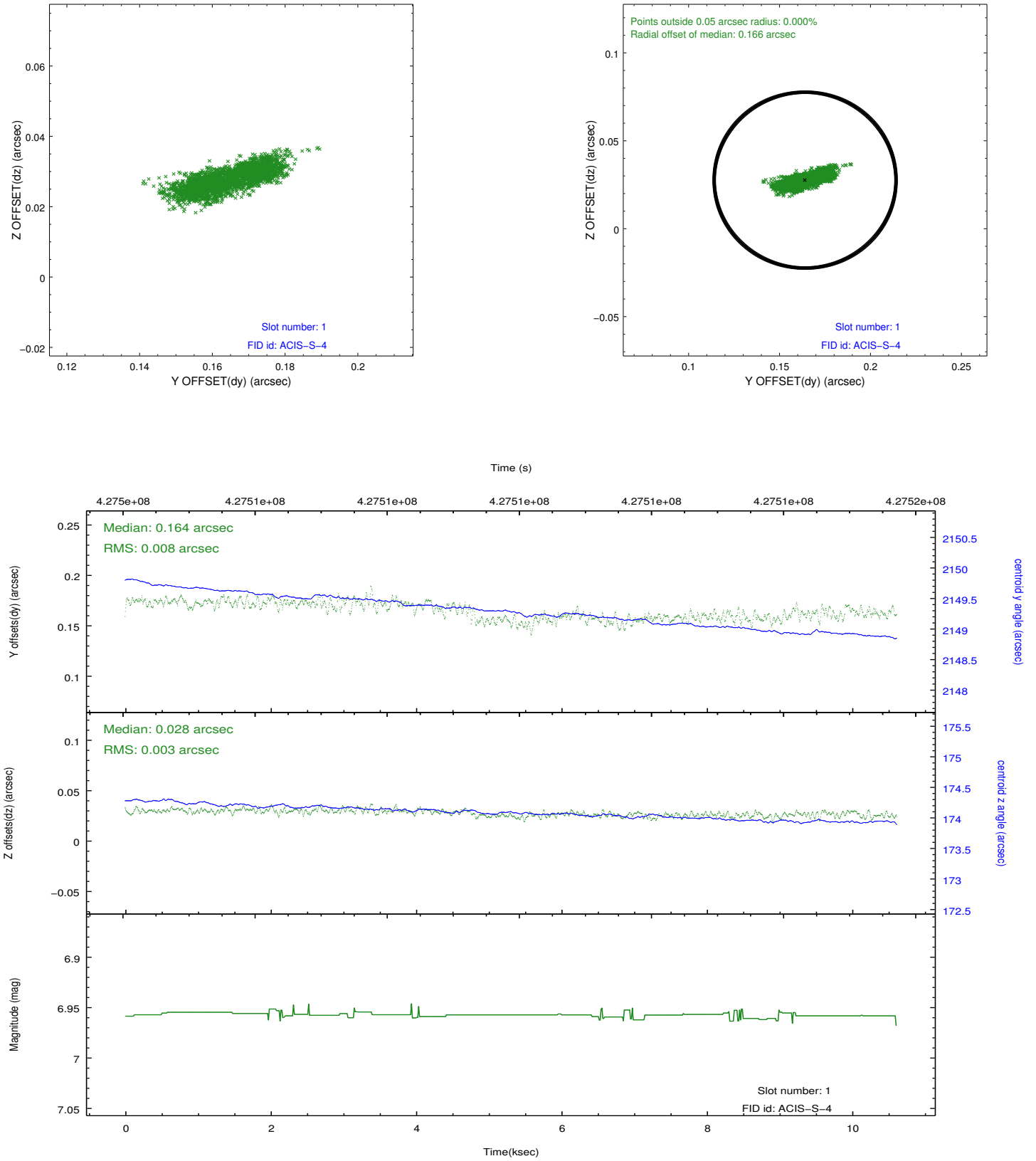


2.5 FID Slots

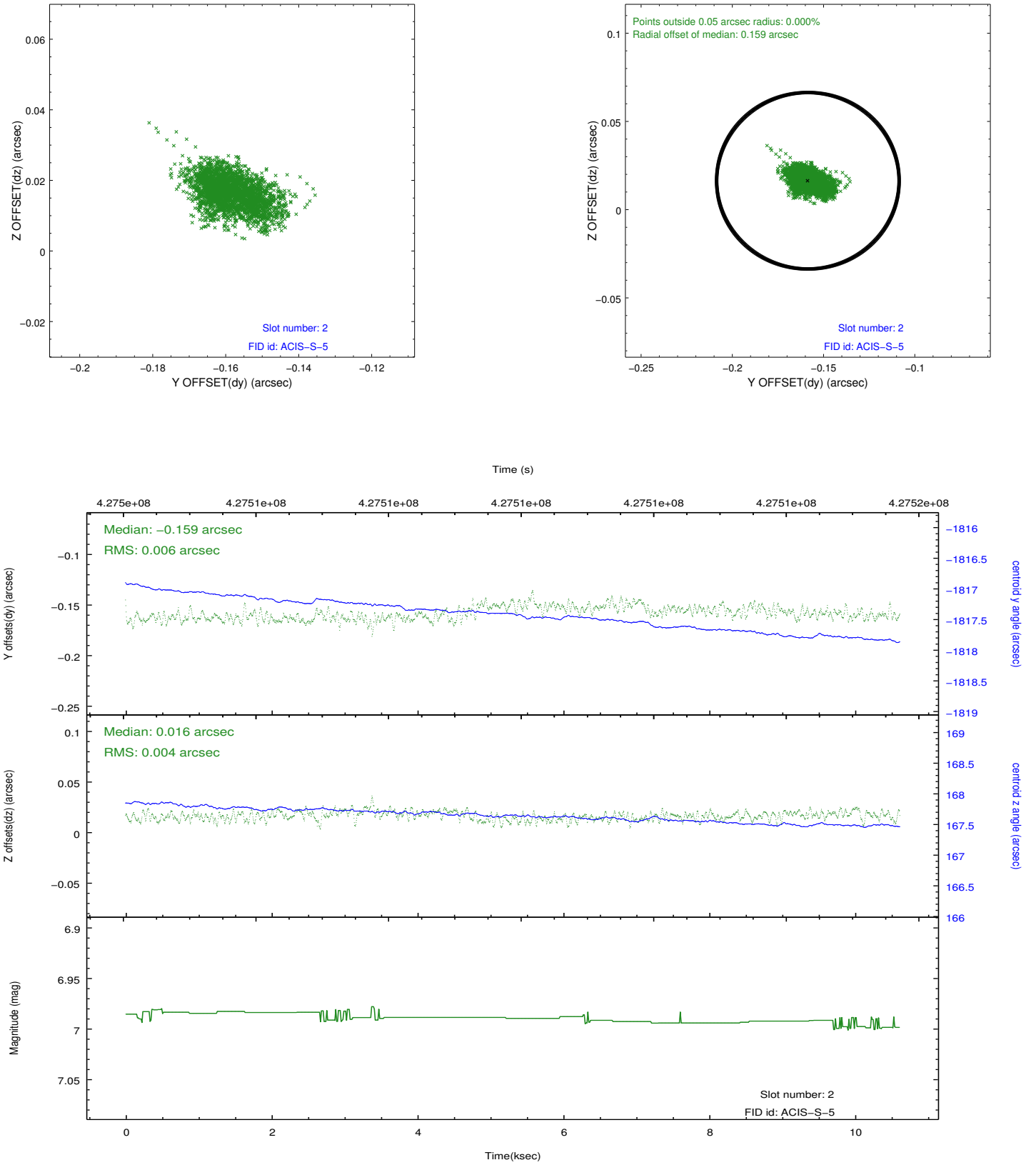
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.061569150746

A.2 Comments