

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10790 - L2 Version 2
Chandra X-Ray Center

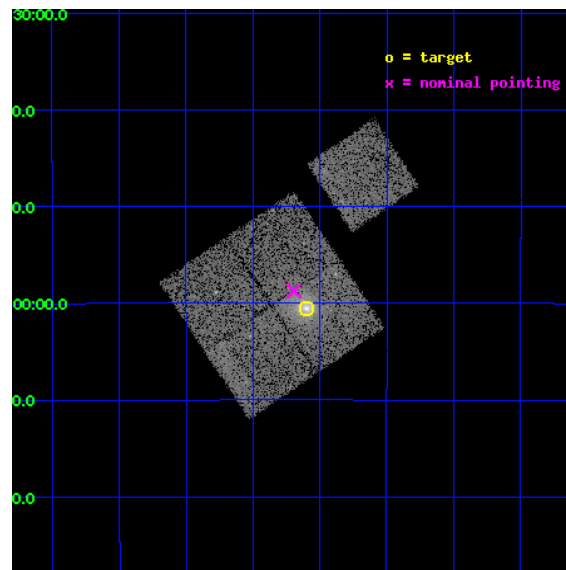
L2 Processing Date : May 22 2012

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1 Front

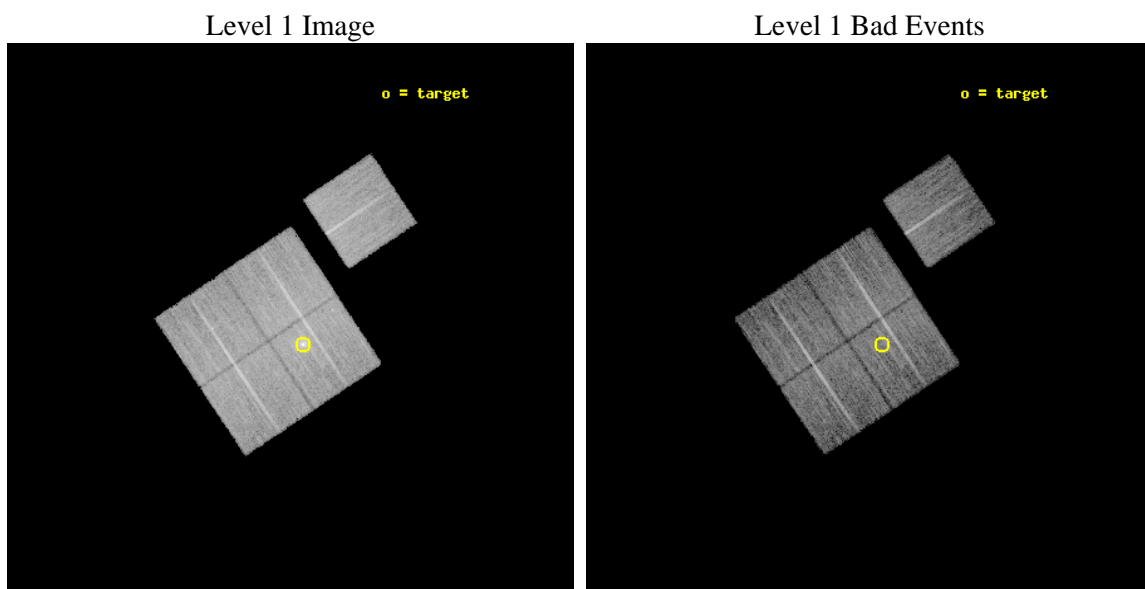
seq_num	800751	Sequence number
obs_id	10790	Observation id
title	LoCuSS: Cluster Mass Comparison with Chandra and HST -- Observational Discrepancy or Agreement in the New Millennium?	Proposal title
observer	Dr Graham Smith	Principal investigator
object	RXCJ0331.1-2100	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.774458	Observer's specified target RA [deg]
dec_targ	-21.009083	Observer's specified target Dec [deg]
ra_nom	52.798583040699	Nominal RA [deg]
dec_nom	-20.978742083463	Nominal Dec [deg]
roll_nom	56.217334080346	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10174.118157148	Sum of GTIs [s]
livetime	10041.185813348	Livetime [s]
ontime0	10177.25908792	Sum of GTIs [s]
ontime1	10177.259068012	Sum of GTIs [s]
ontime2	10177.25908798	Sum of GTIs [s]
ontime3	10174.118157148	Sum of GTIs [s]
ontime6	10180.400078297	Sum of GTIs [s]
l2events	44336	Number of level 2 events



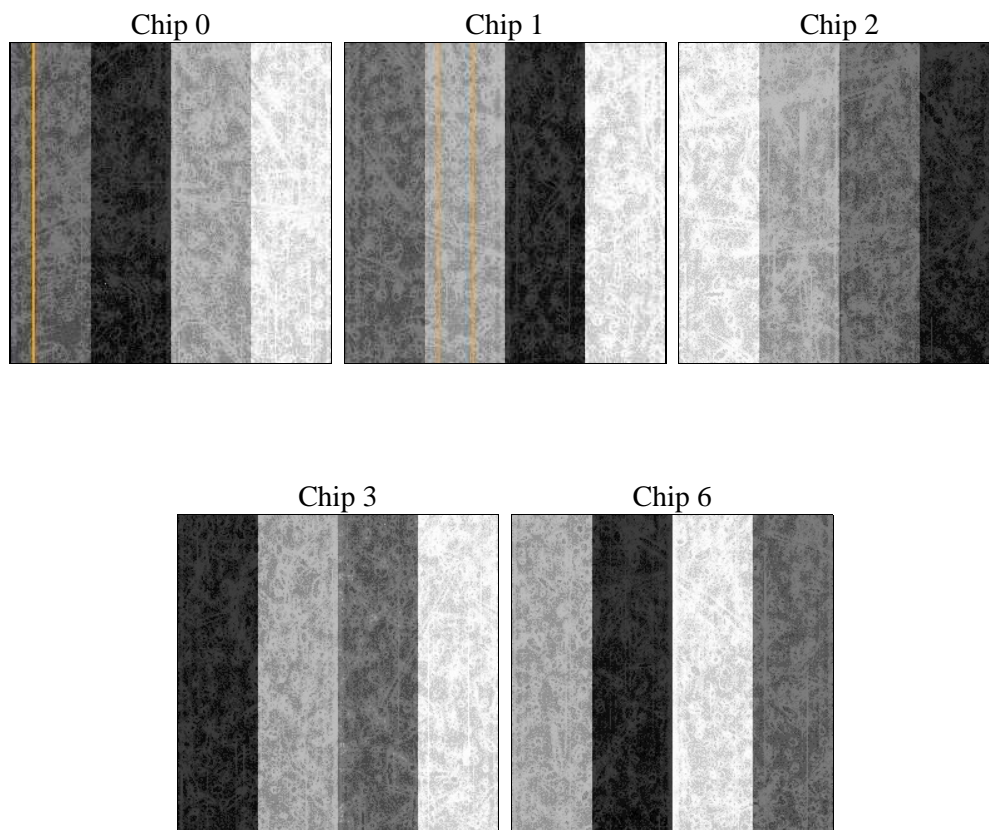
2 OBI

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	8.4.4	Processing system revision	ontime	10174.118157148	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	10177.25908792	Sum of GTIs [s]
date	2012-05-22T21:44:53	Date and time of file creation	ontime1	10177.259068012	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10177.25908798	Sum of GTIs [s]
			ontime3	10174.118157148	Sum of GTIs [s]
			ontime6	10180.400078297	Sum of GTIs [s]
			l1events	419718	Number of level 1 events

2.1.4 Events

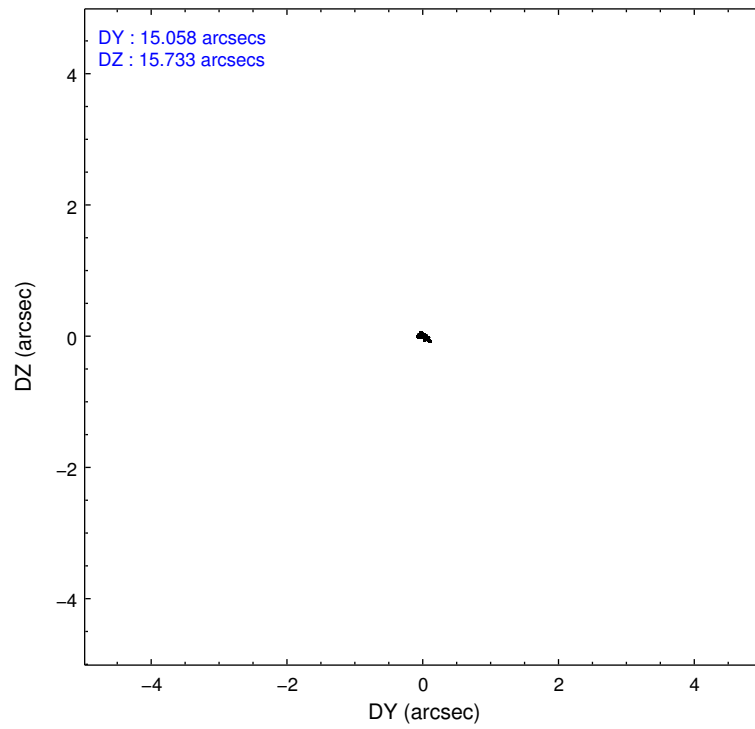
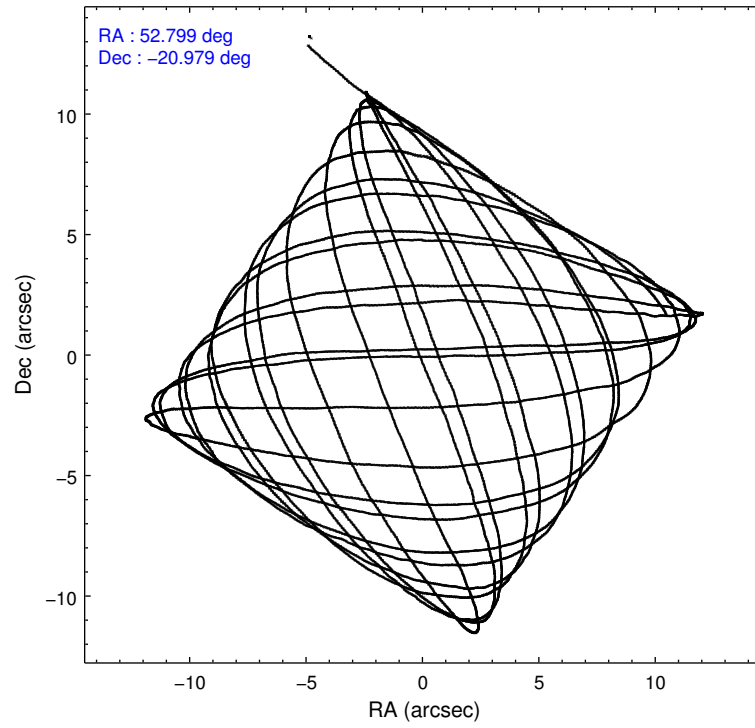
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	77679	79369	89035	91718	81917
rejected events	69039	69613	80444	75563	73282
rejected %	88%	87%	90%	82%	89%

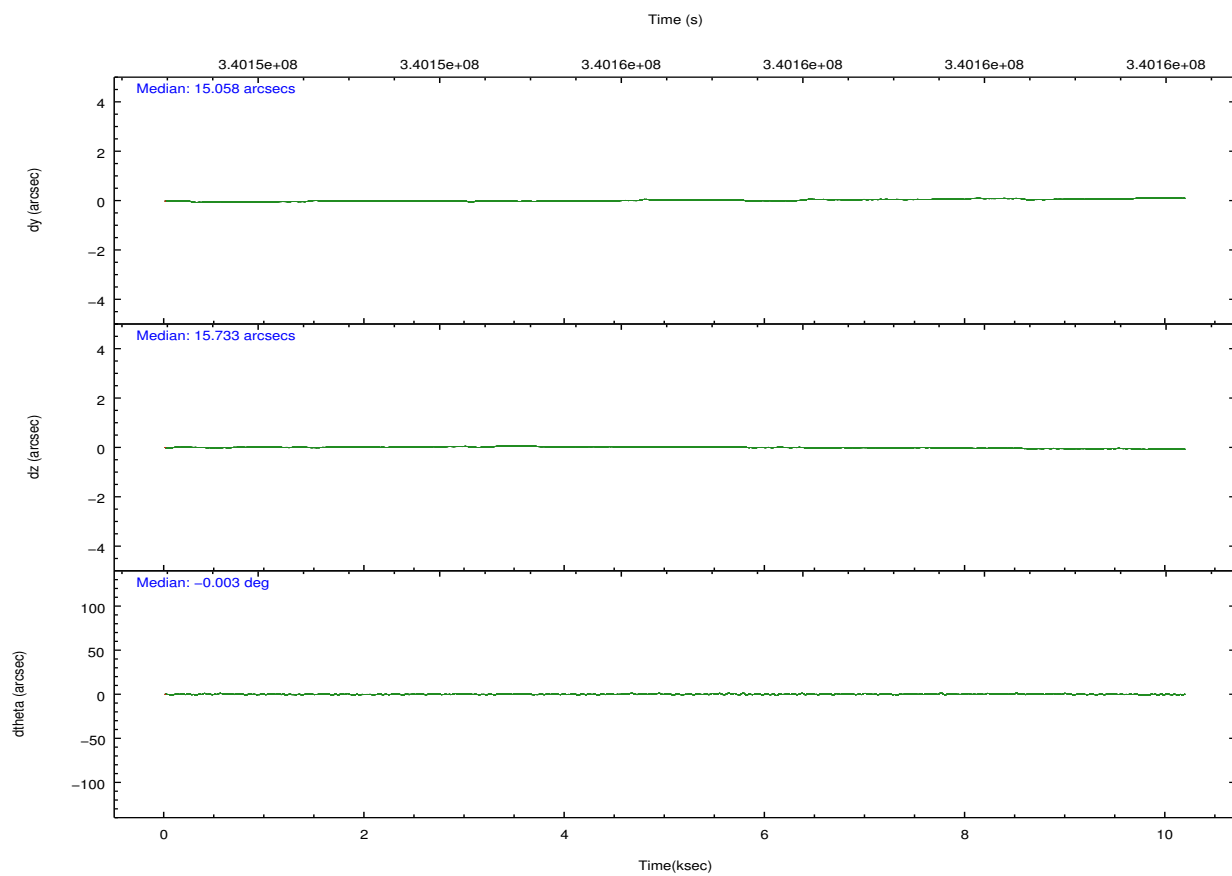
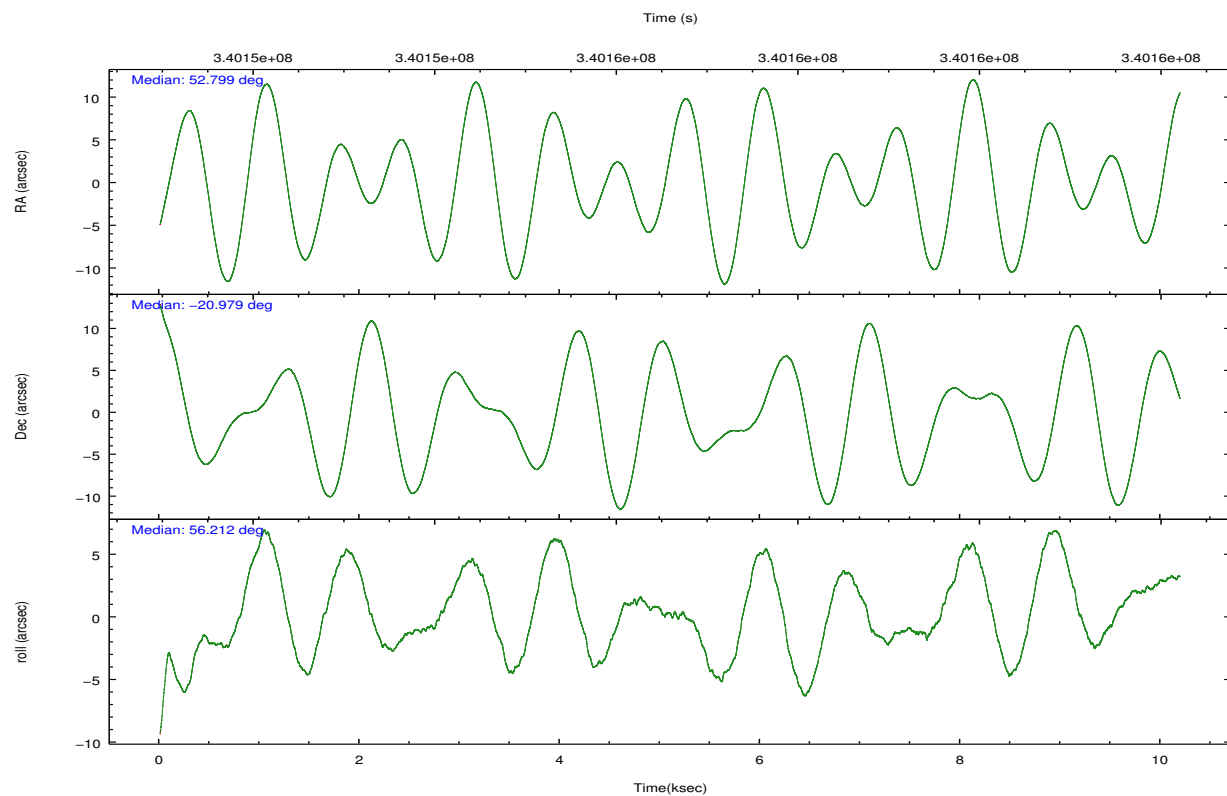
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3005	3618	3256	9578	3018
	3%	4%	3%	10%	3%
grade 1 events	39	37	47	104	33
	0%	0%	0%	0%	0%
grade 2 events	2120	2226	2062	2578	1944
	2%	2%	2%	2%	2%
grade 3 events	999	980	878	1184	911
	1%	1%	0%	1%	1%
grade 4 events	912	1006	878	1106	945
	1%	1%	0%	1%	1%
grade 5 events	3016	3332	2790	3601	3462
	3%	4%	3%	3%	4%
grade 6 events	1661	1965	1555	1801	1864
	2%	2%	1%	1%	2%
grade 7 events	65927	66205	77569	71766	69740
	84%	83%	87%	78%	85%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	52.796763	52.79858304069896	Subarray requested	NONE	NONE
[deg] Pointing Dec	-21.006239	-20.97874208346261	Alternating exposures requested	N	N
[deg] Pointing Roll	56.007993	56.2173340803461	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	340151689.184000	340150614.56437			
Observation start date	2008-10-11T22:33:44	2008-10-11T22:16:54			
[s] Observation end time (MET)	340161689.184000	340163226.67749			
Observation end date	2008-10-12T01:20:24	2008-10-12T01:47:06			
Read mode	TIMED	TIMED			

2.3 Aspect



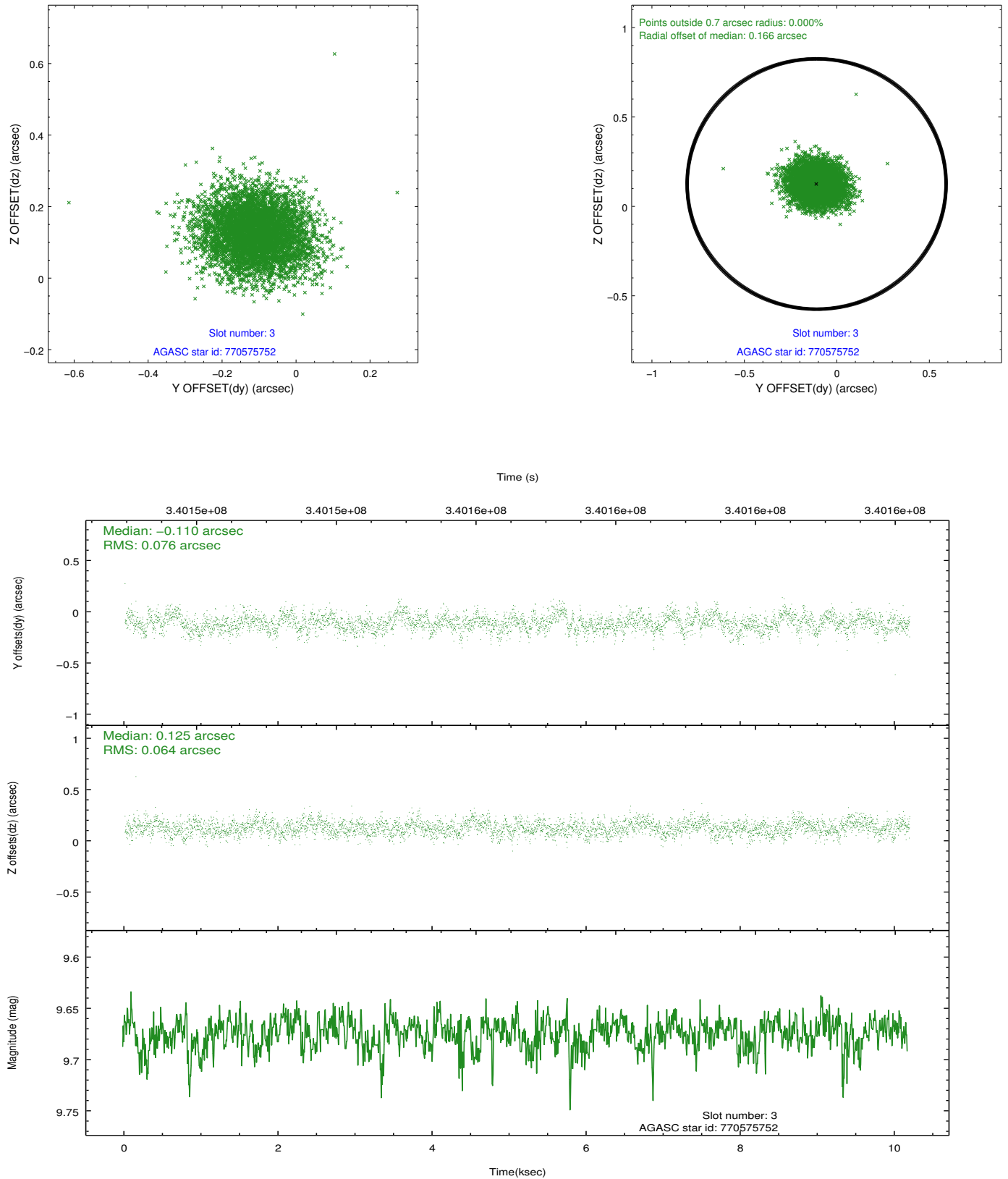


Slot Statistics

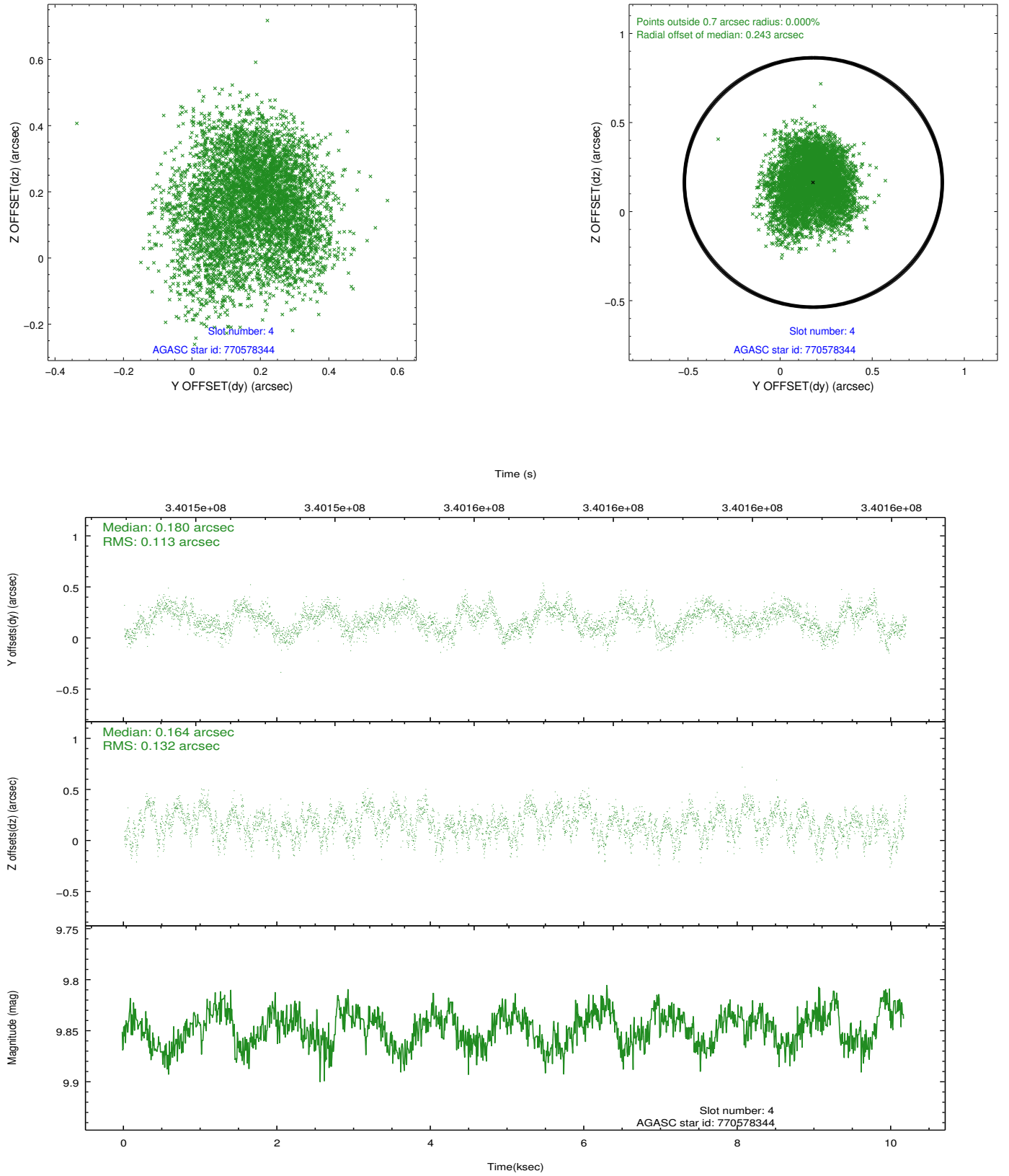
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	2485	0.068	-0.015	0.006	0.010	0.000000	0.000000	924.36	-962.47
1	FID	ACIS-I-5	6.98	2485	-0.255	0.063	0.006	0.010	0.000000	0.000000	-1823.82	934.73
2	FID	ACIS-I-6	7.00	2484	0.095	0.023	0.007	0.011	0.000000	0.000000	389.32	1579.83
3	GUIDE	770575752	9.67	4962	-0.110	0.125	0.106	0.170	53.244440	-20.781547	1511.36	-797.88
4	GUIDE	770578344	9.85	4966	0.180	0.164	0.188	0.291	53.019857	-21.247567	-301.62	-1106.55
5	GUIDE	770580144	8.83	4966	-0.088	-0.191	0.071	0.117	52.976569	-20.368072	2243.06	781.00
6	GUIDE	770581640	7.84	4969	0.021	0.006	0.083	0.134	52.322400	-21.371182	-1979.85	582.63
7	GUIDE	770581880	9.63	4964	0.009	-0.099	0.159	0.241	52.016479	-20.947102	-1296.04	2290.57

2.4 Star Slots

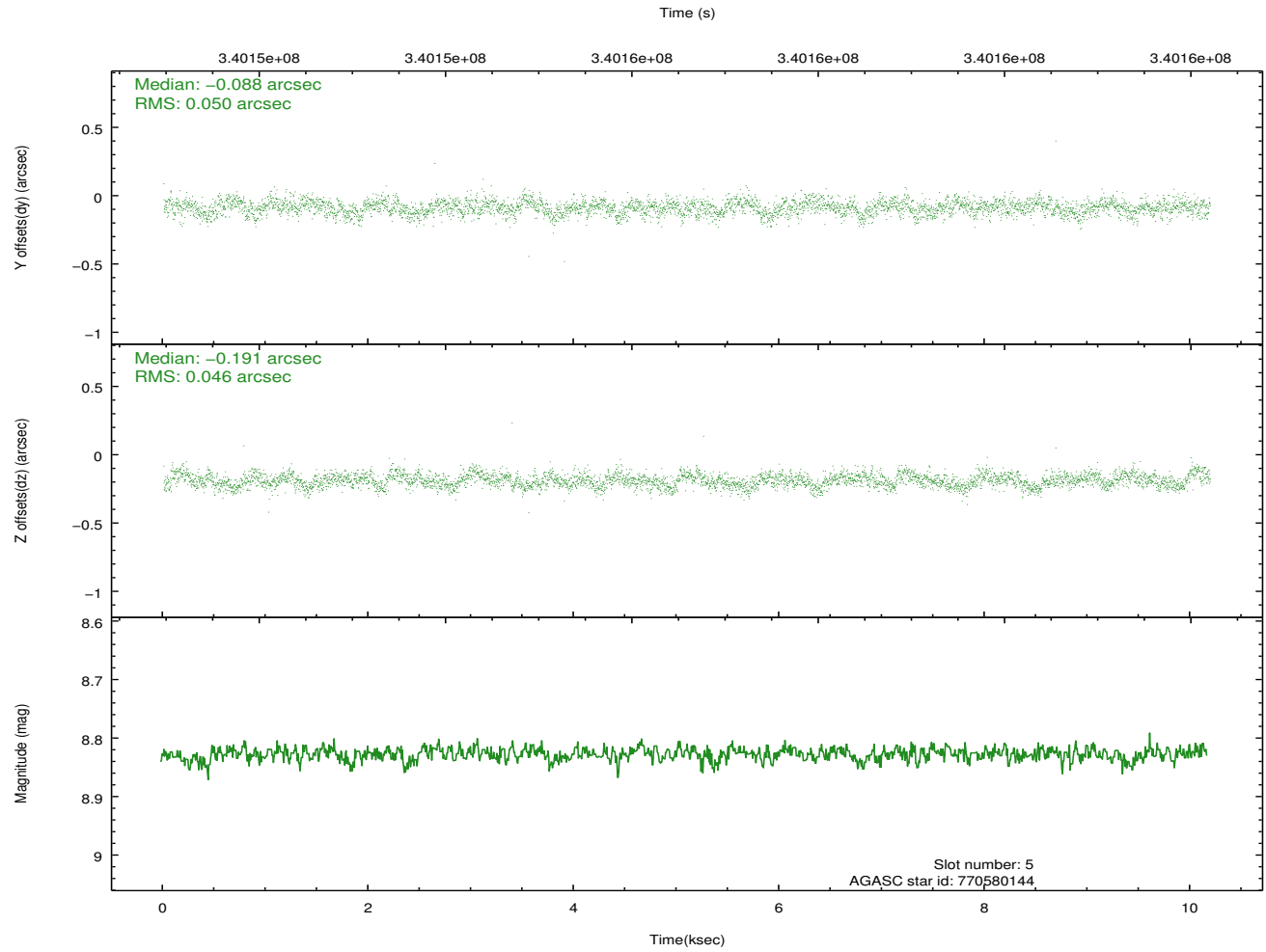
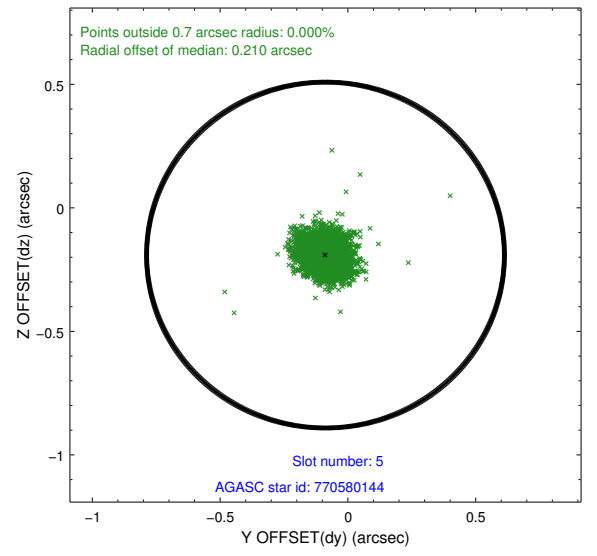
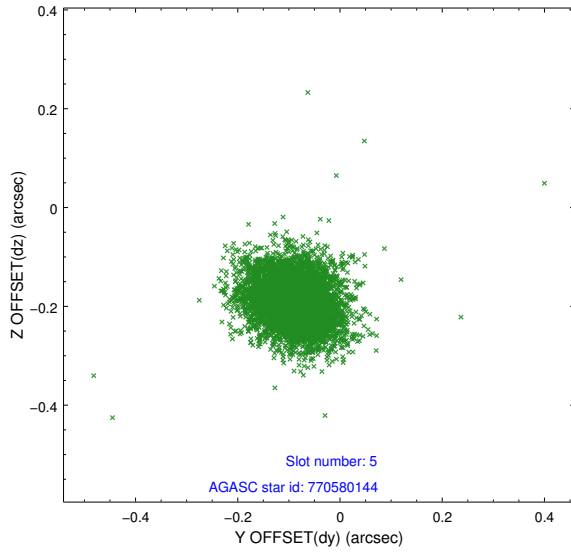
2.4.1 Slot 3



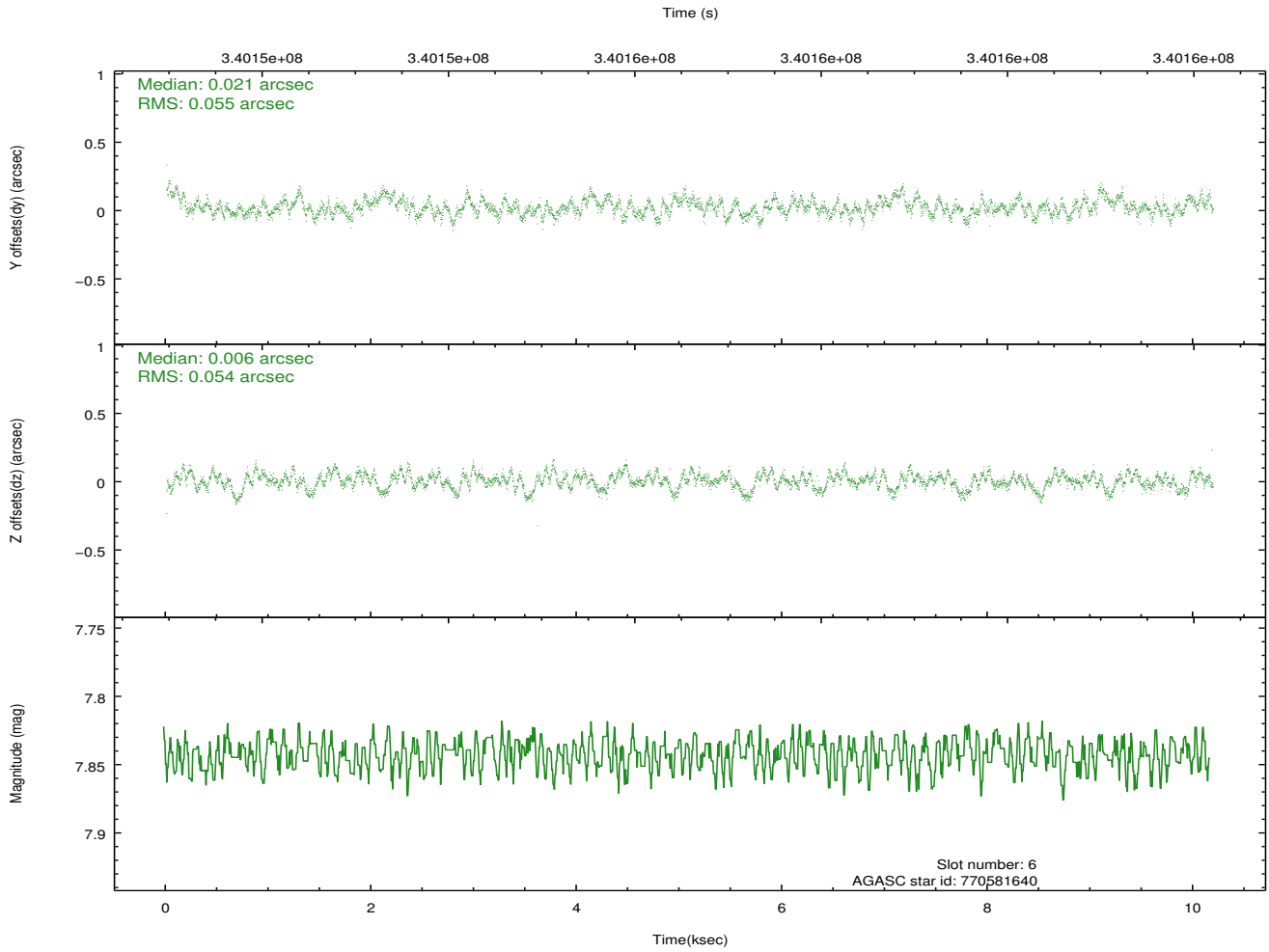
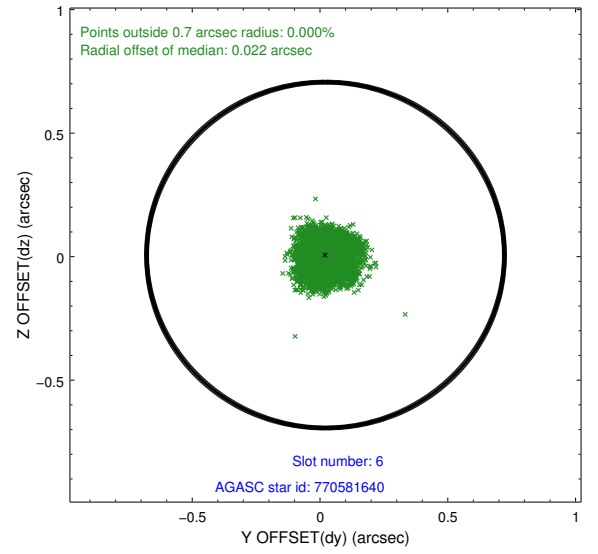
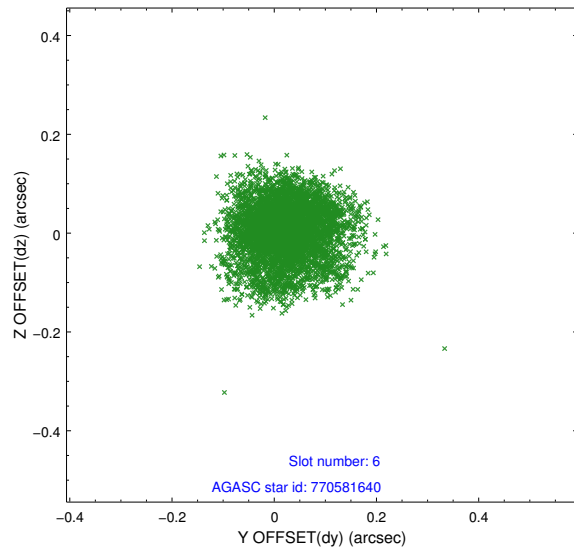
2.4.2 Slot 4



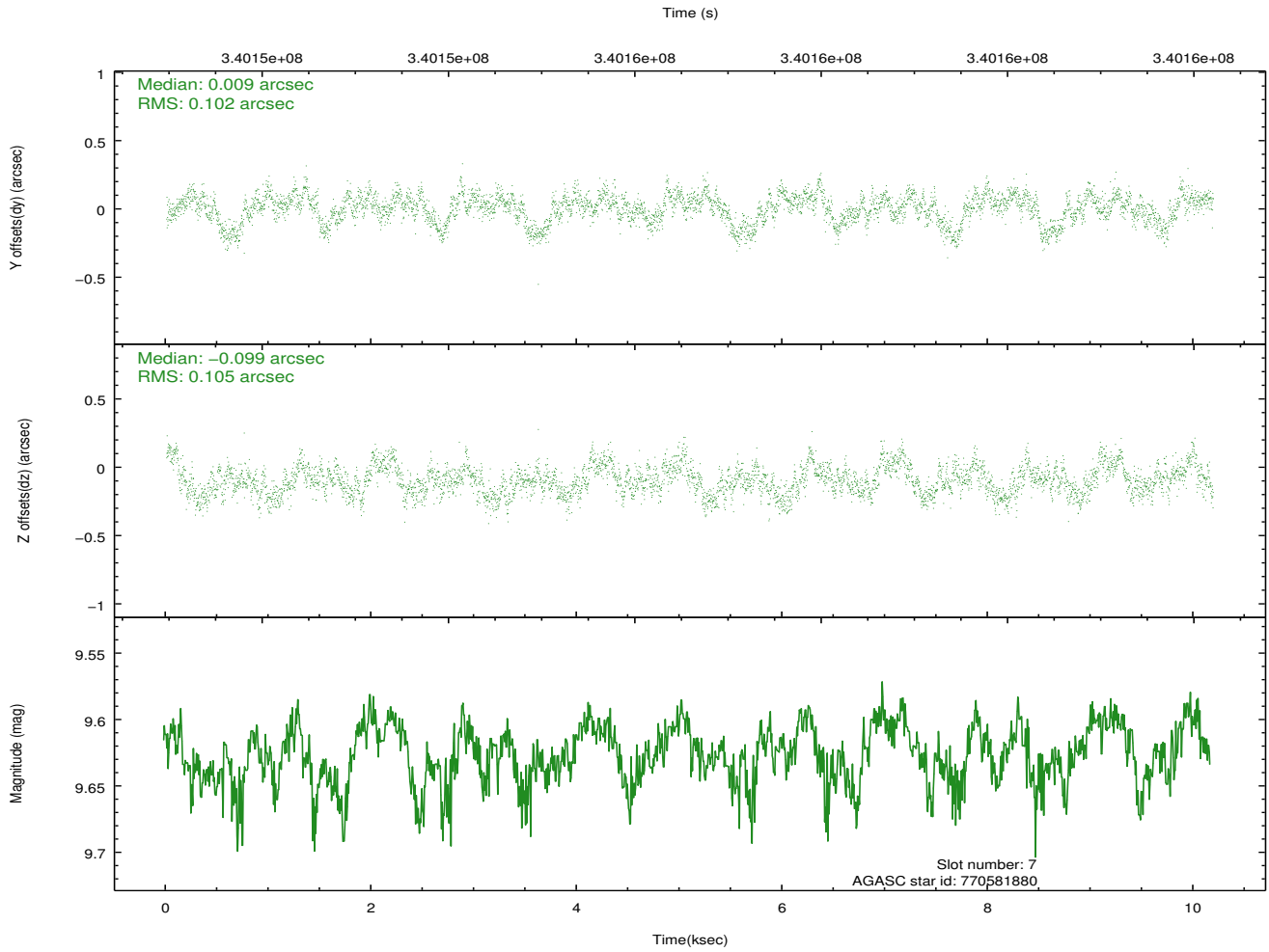
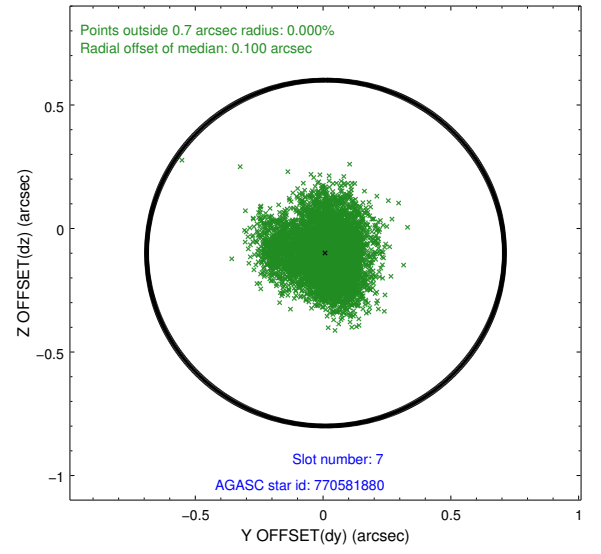
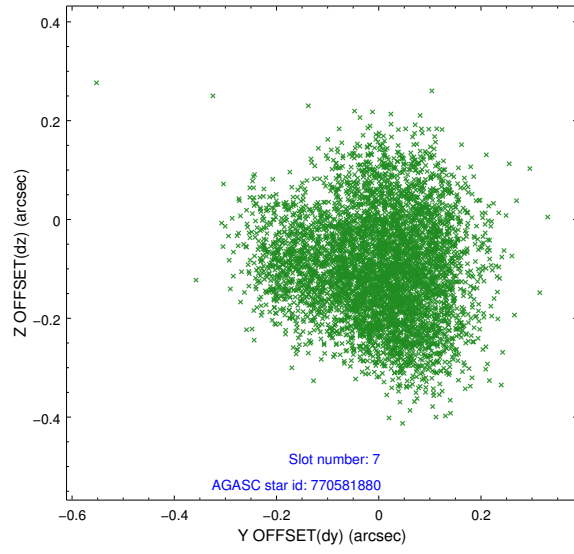
2.4.3 Slot 5



2.4.4 Slot 6

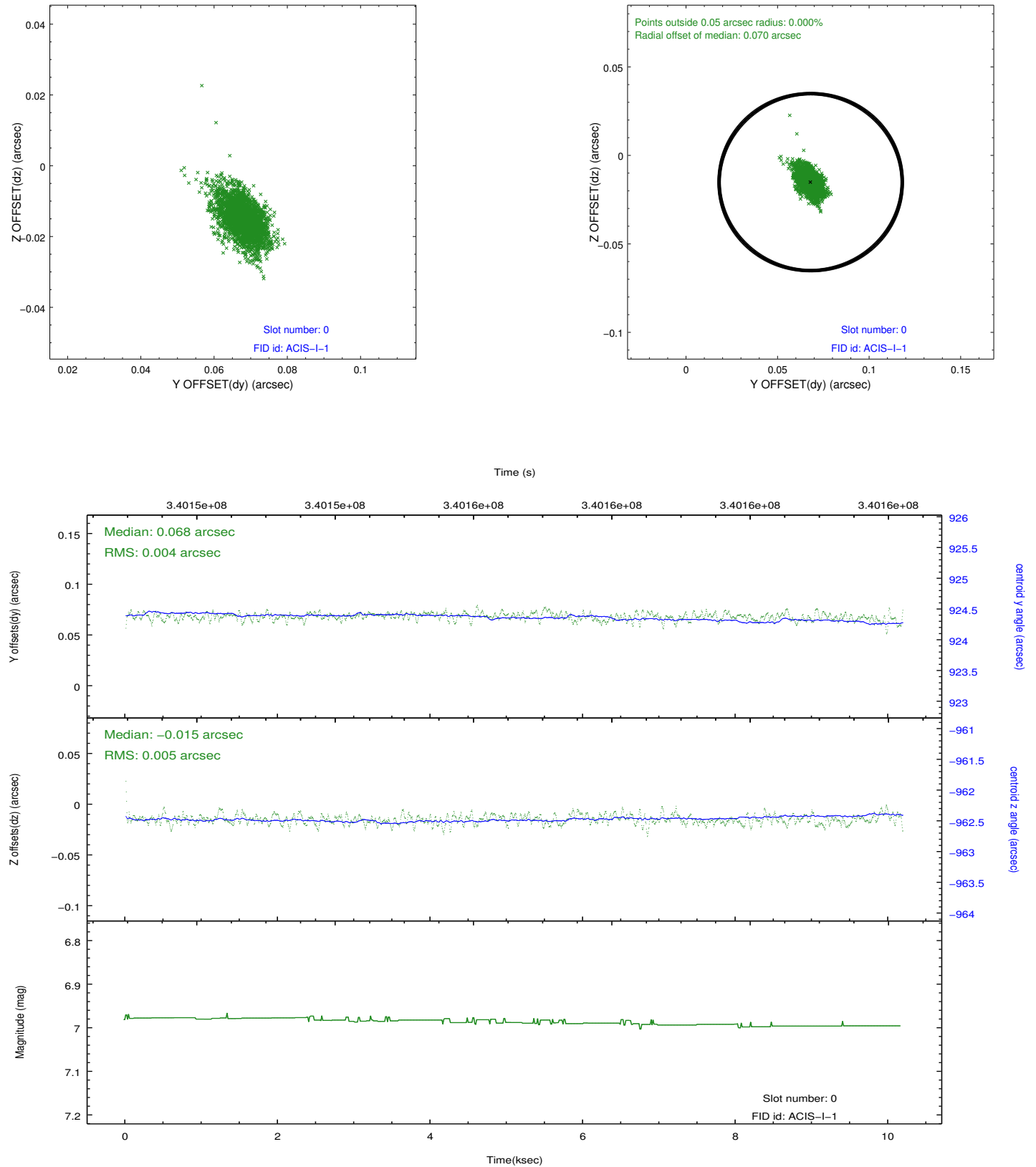


2.4.5 Slot 7

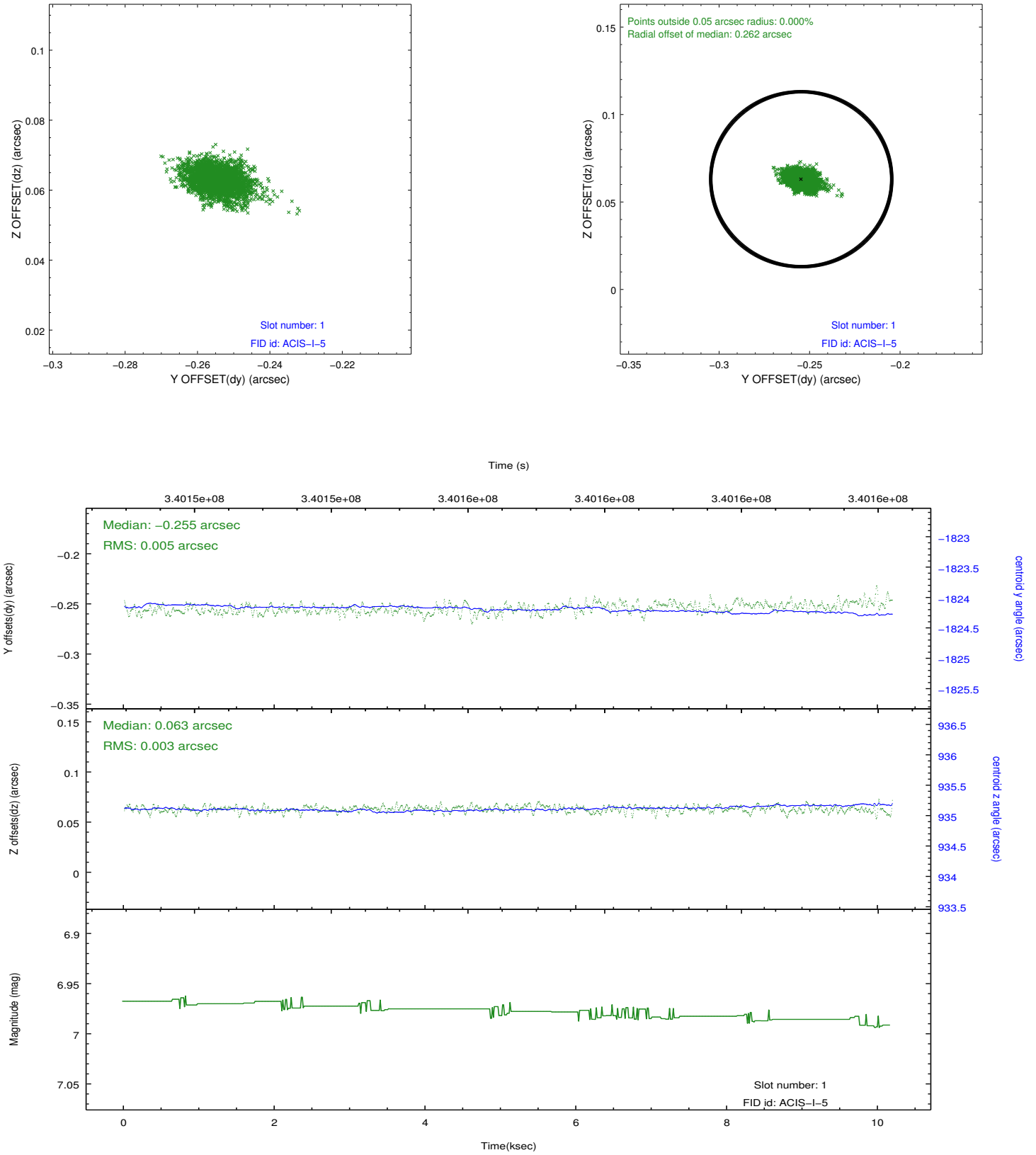


2.5 FID Slots

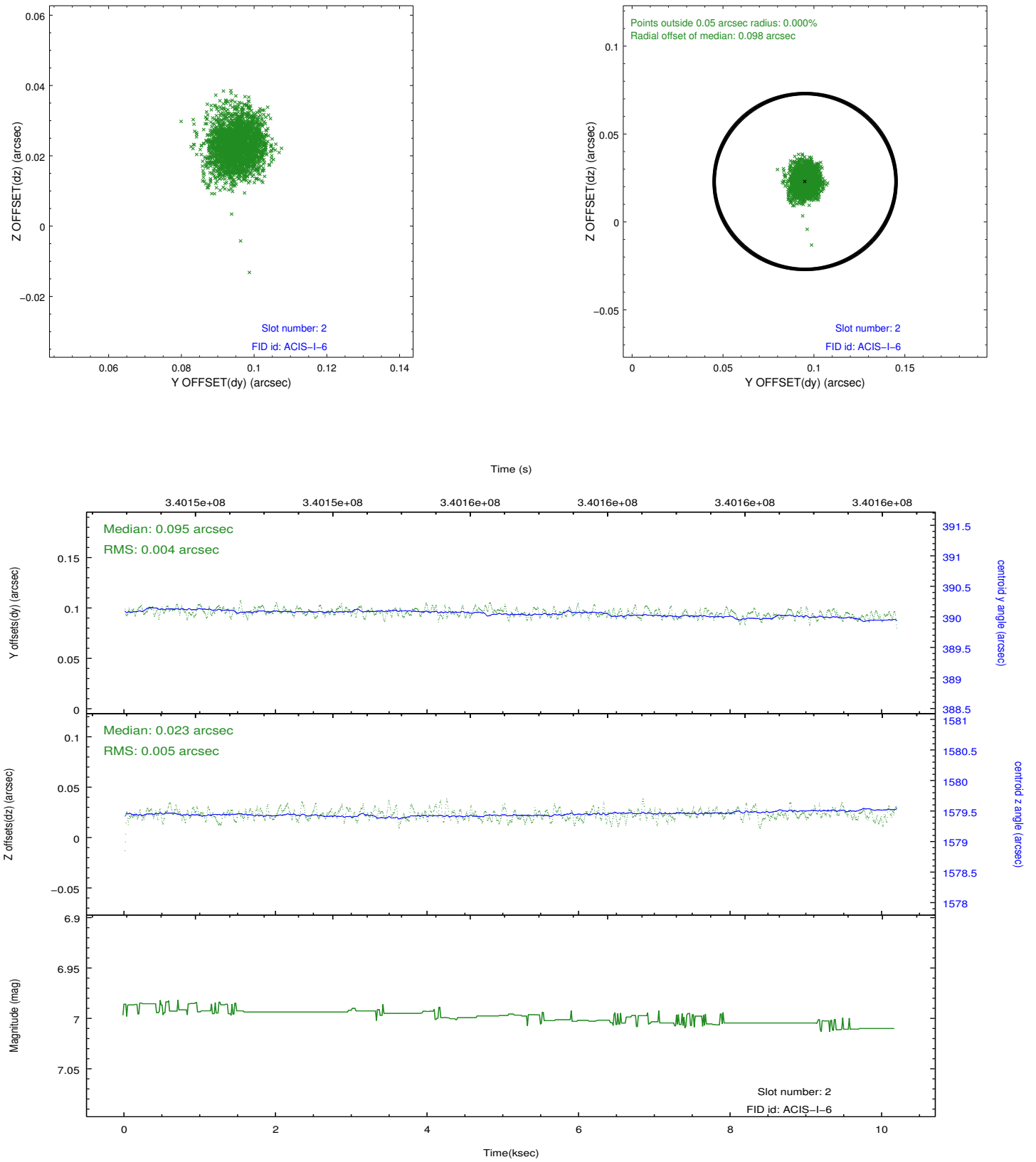
2.5.1 Slot 0



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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1741181

A.2 Comments