

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17216 - L2 Version 1
Chandra X-Ray Center

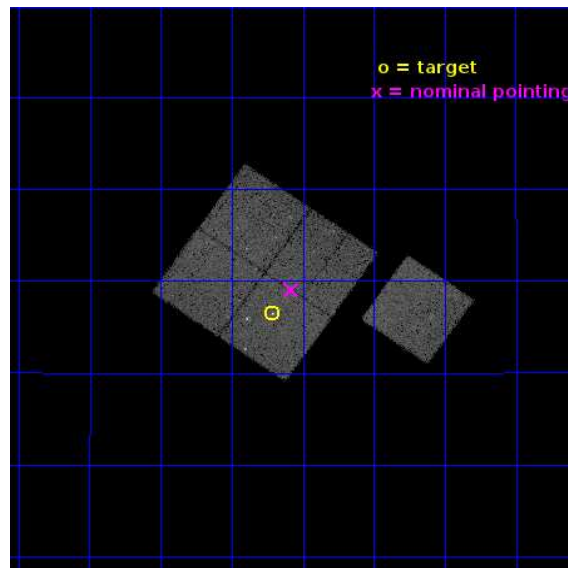
L2 Processing Date : Aug 10 2015

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1 Front

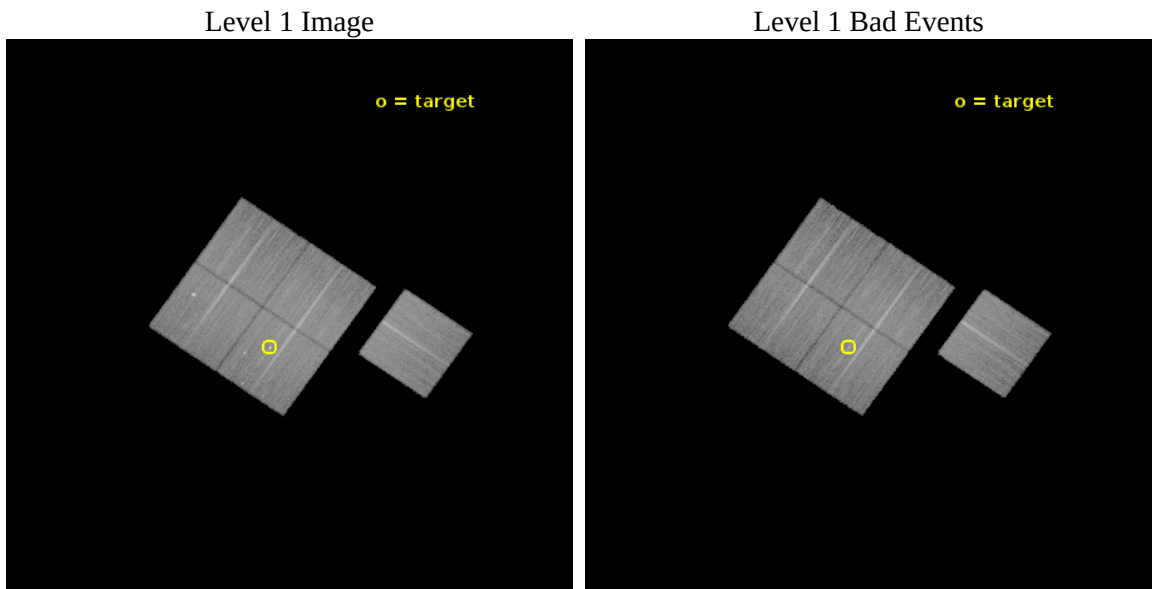
seq_num	801496	Sequence number
obs_id	17216	Observation id
title	DISTANT GALAXY CLUSTERS HOSTING EXTREME CENTRAL GALAXIES	Proposal
observer	Dr Michael McDonald	Principal investigator
object	CGRaBS J2334+0736	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	353.553333	Observer's specified target RA [deg]
dec_targ	7.607667	Observer's specified target Dec [deg]
ra_nom	353.52005560296	Nominal RA [deg]
dec_nom	7.6510858013439	Nominal Dec [deg]
roll_nom	124.82758205043	Nominal Roll [deg]
revision	1	Processing version of data
ontime	35054.308032751	Sum of GTIs [s]
livetime	34596.297691697	Livetime [s]
ontime0	35047.90274179	Sum of GTIs [s]
ontime1	35057.367022753	Sum of GTIs [s]
ontime2	35057.408062816	Sum of GTIs [s]
ontime3	35054.308032751	Sum of GTIs [s]
ontime6	35054.143882632	Sum of GTIs [s]
l2events	91861	Number of level 2 events



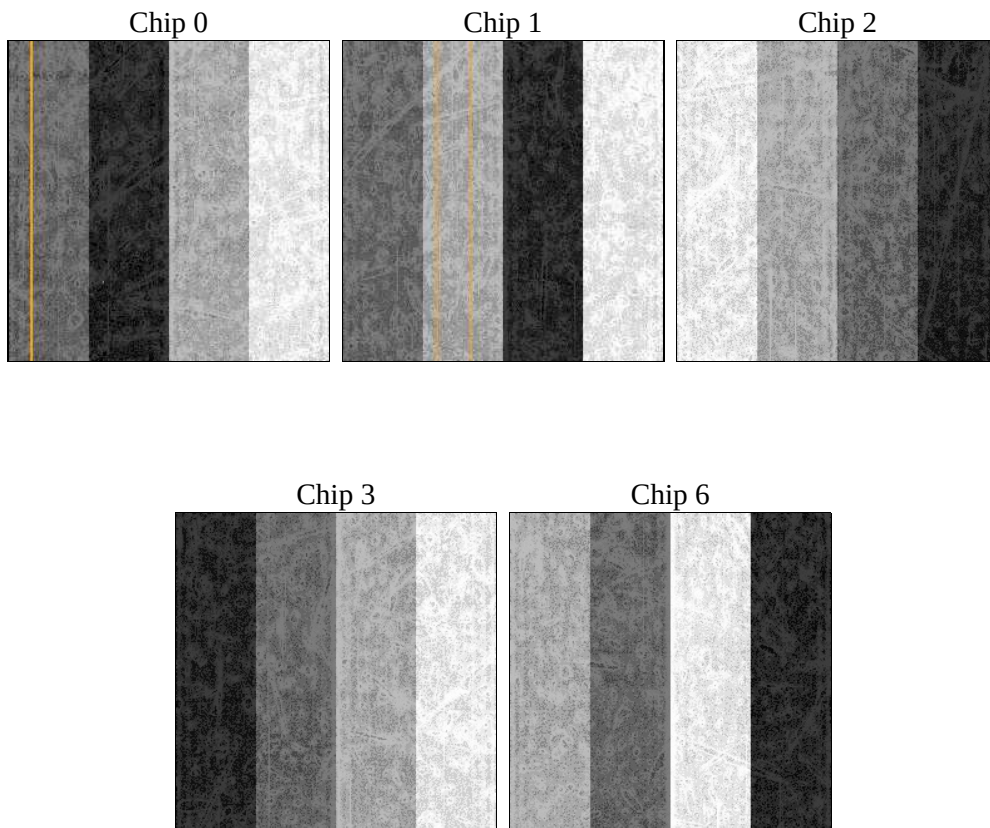
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	35054.308032751	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	35047.90274179	Sum of GTIs [s]
date	2015-08-10T14:21:15	Date and time of file creation	ontime1	35057.367022753	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	35057.408062816	Sum of GTIs [s]
			ontime3	35054.308032751	Sum of GTIs [s]
			ontime6	35054.143882632	Sum of GTIs [s]
			l1events	938793	Number of level 1 events

2.1.4 Events

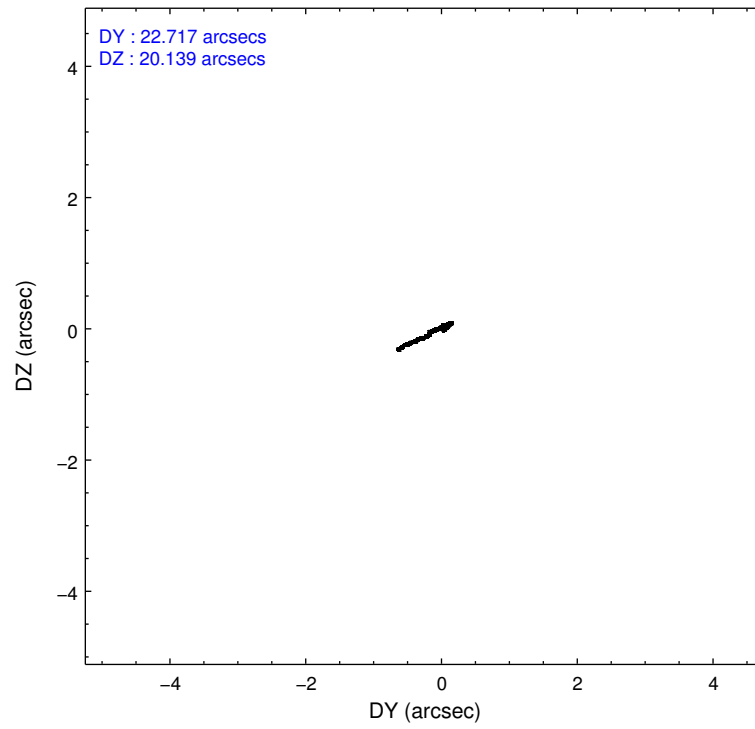
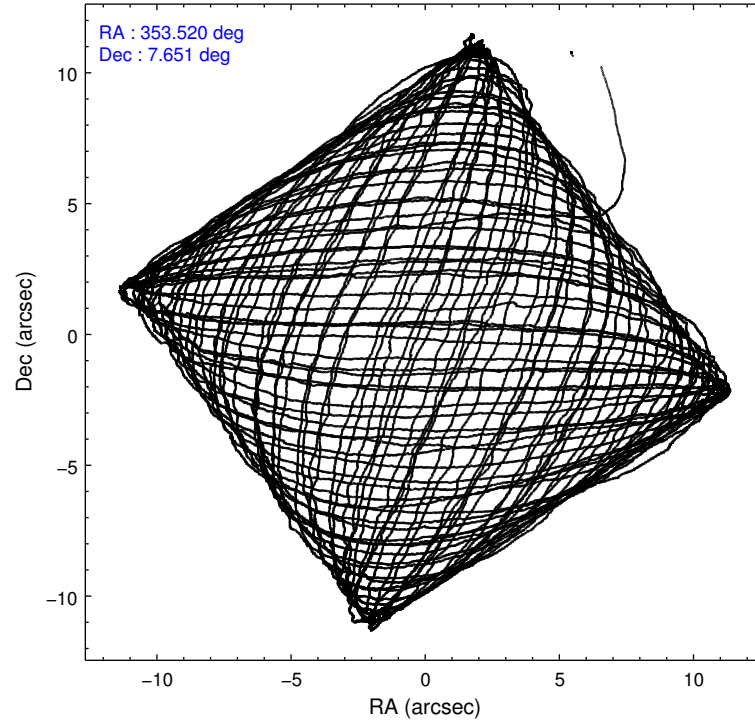
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	175111	180124	200675	190461	192422
rejected events	154122	156589	180782	166224	171158
rejected %	88%	86%	90%	87%	88%

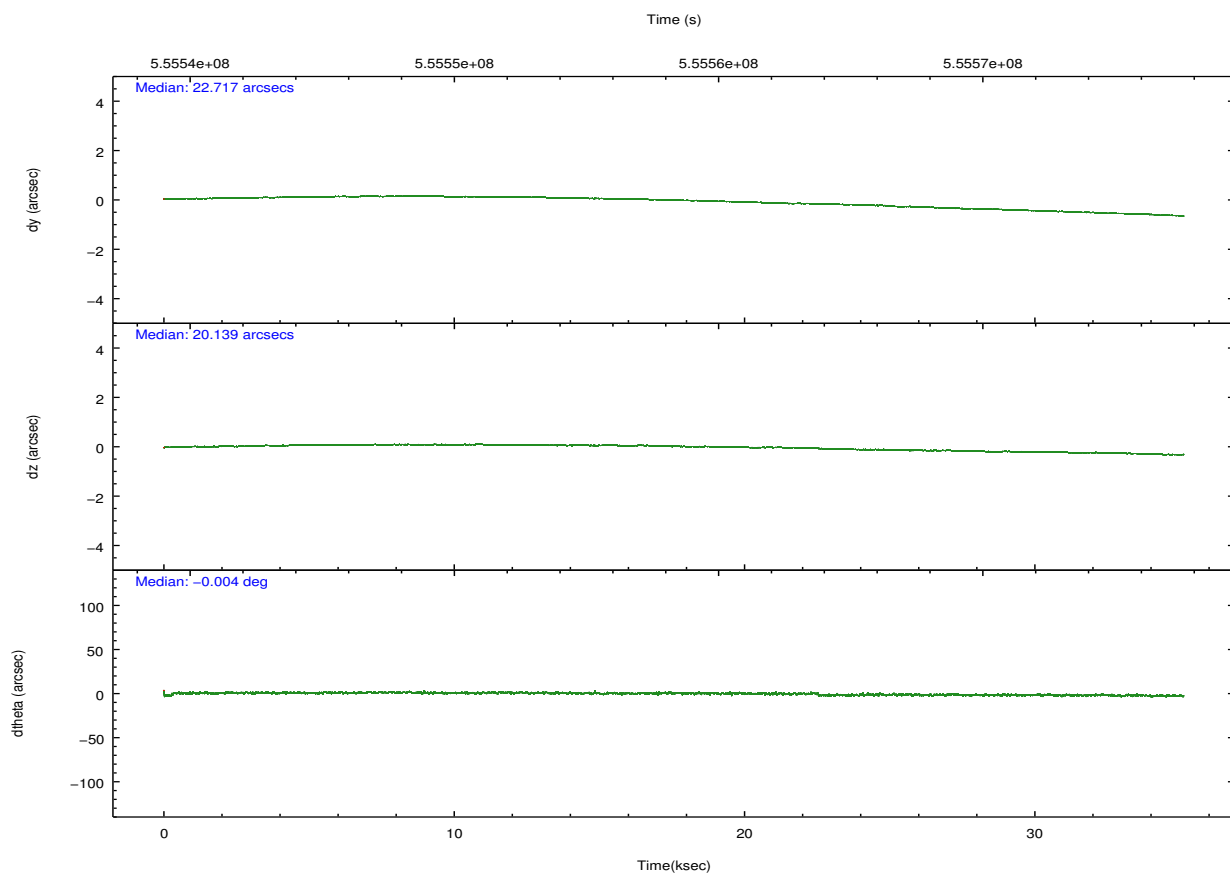
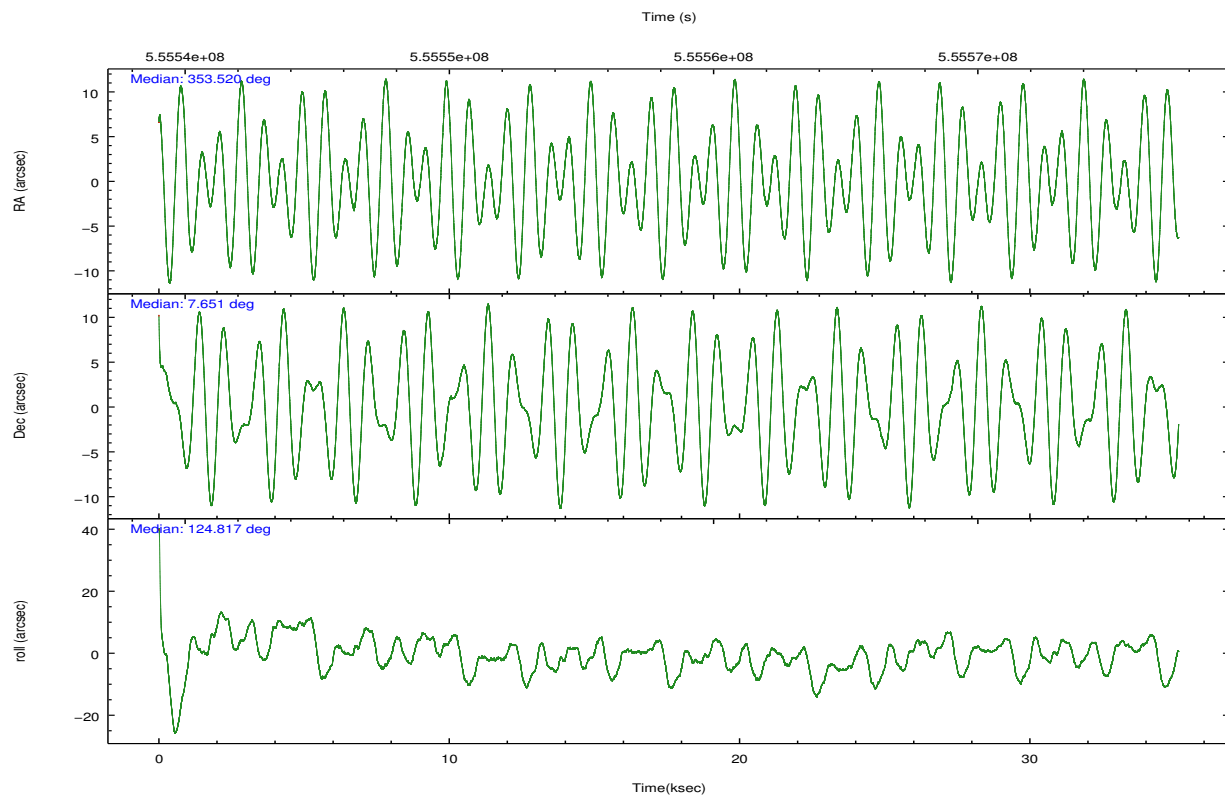
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7020	8477	6915	10155	6825
	4%	4%	3%	5%	3%
grade 1 events	82	81	92	178	84
	0%	0%	0%	0%	0%
grade 2 events	5084	5314	4650	5008	4942
	2%	2%	2%	2%	2%
grade 3 events	2244	2112	2046	2209	2084
	1%	1%	1%	1%	1%
grade 4 events	2049	2169	2101	2284	2032
	1%	1%	1%	1%	1%
grade 5 events	8068	8569	7447	9443	8780
	4%	4%	3%	4%	4%
grade 6 events	4595	5464	4183	4583	5386
	2%	3%	2%	2%	2%
grade 7 events	145969	147938	173241	156601	162289
	83%	82%	86%	82%	84%

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	353.545301	353.5200556029573	CCD I2 on	Y	Y
[deg] Pointing Dec	7.639435	7.651085801343868	CCD I3 on	Y	Y
[deg] Pointing Roll	124.615522	124.8275820504261	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	-225.842463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.75	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	555540861.184000	555539148.4838901	CCD S5 on	N	N
Observation start date	2015-08-09T20:53:13	2015-08-09T20:25:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	555575861.184000	555576871.56101	On-chip summing requested	N	N
Observation end date	2015-08-10T06:36:33	2015-08-10T06:54:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



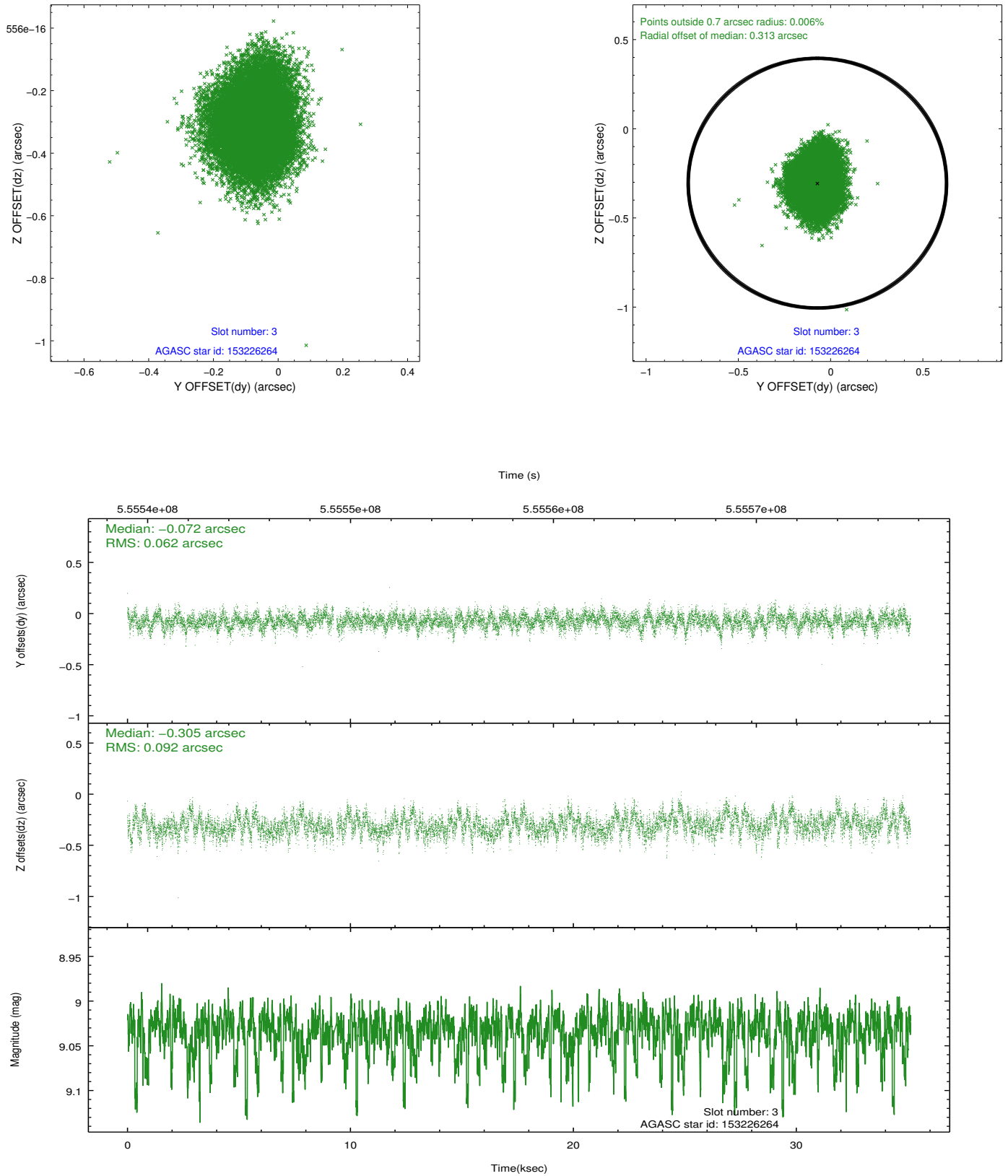


Slot Statistics

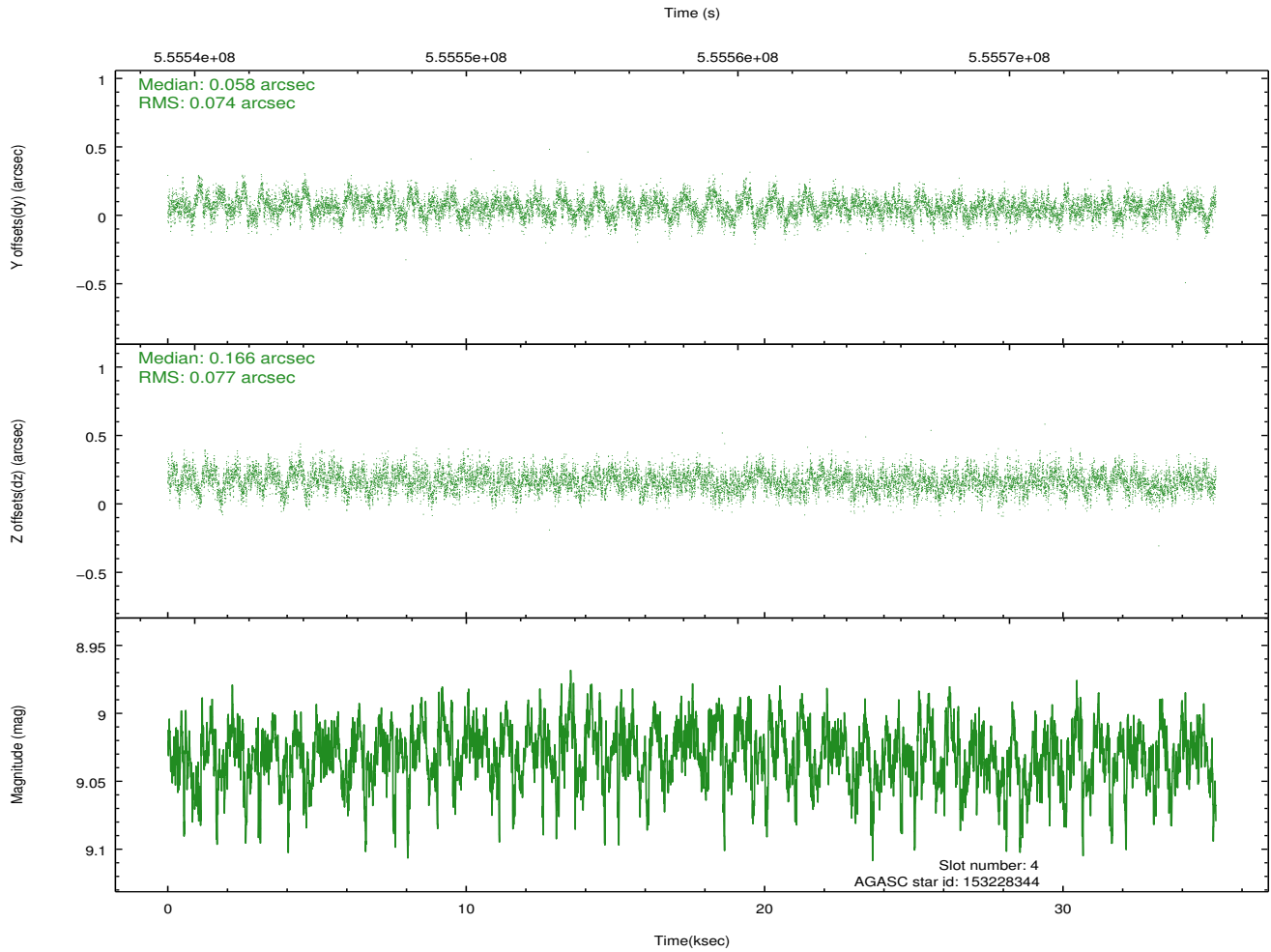
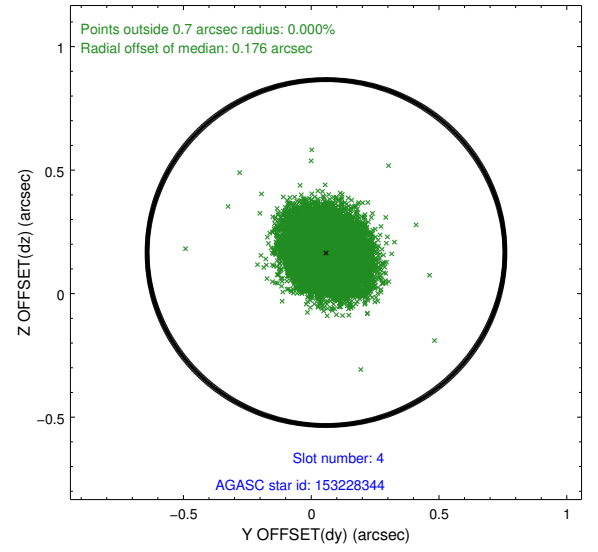
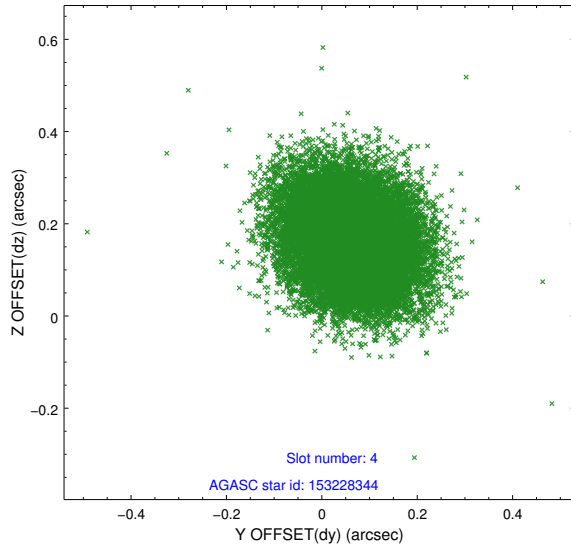
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.18	8567	-0.227	-0.066	0.014	0.022	0.000000	0.000000	-778.28	-1008.32
1	FID		ACIS-I-4	7.15	8567	0.476	0.139	0.017	0.039	0.000000	0.000000	2136.37	898.03
2	FID		ACIS-I-5	7.25	8568	-0.349	-0.003	0.015	0.025	0.000000	0.000000	-1831.82	894.71
3	GUIDE	used	153226264	9.03	17057	-0.072	-0.305	0.118	0.192	352.741239	7.728541	1893.36	2175.08
4	GUIDE	used	153228344	9.03	17121	0.058	0.166	0.114	0.181	353.540250	7.975296	1006.00	-671.70
5	GUIDE	used	153230296	8.44	17128	-0.111	-0.297	0.095	0.156	353.163469	8.129938	2227.09	116.40
6	GUIDE	used	153232408	9.16	17114	0.113	0.212	0.180	0.259	353.482814	8.019530	1253.23	-593.42
7	GUIDE	used	153234584	9.93	16800	0.001	0.233	0.246	0.390	353.518303	8.380866	2252.13	-1436.70

2.4 Star Slots

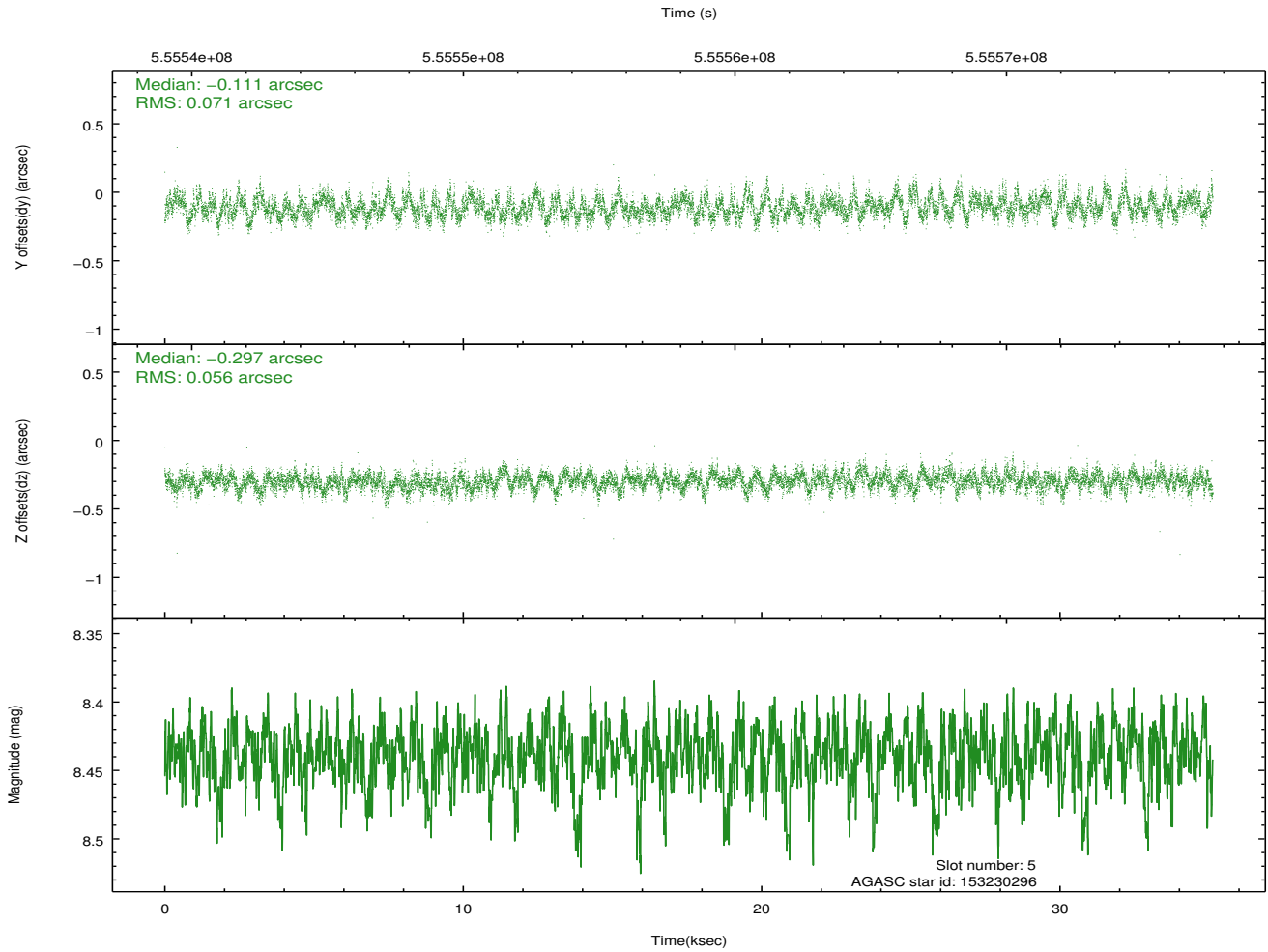
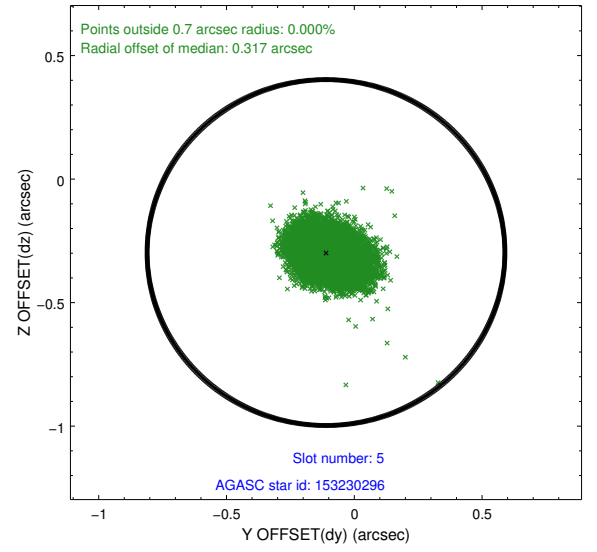
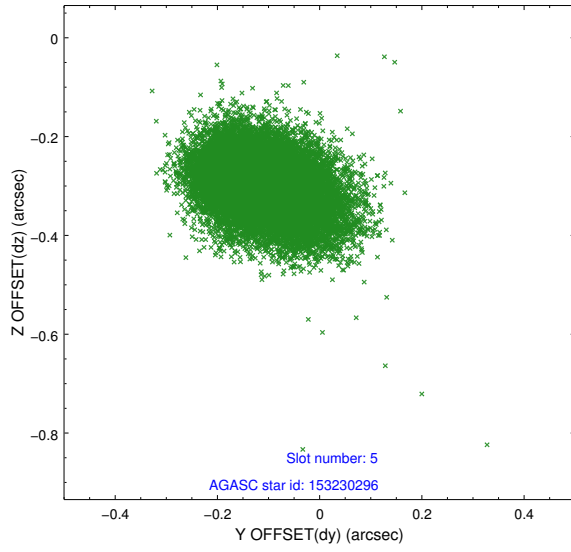
2.4.1 Slot 3



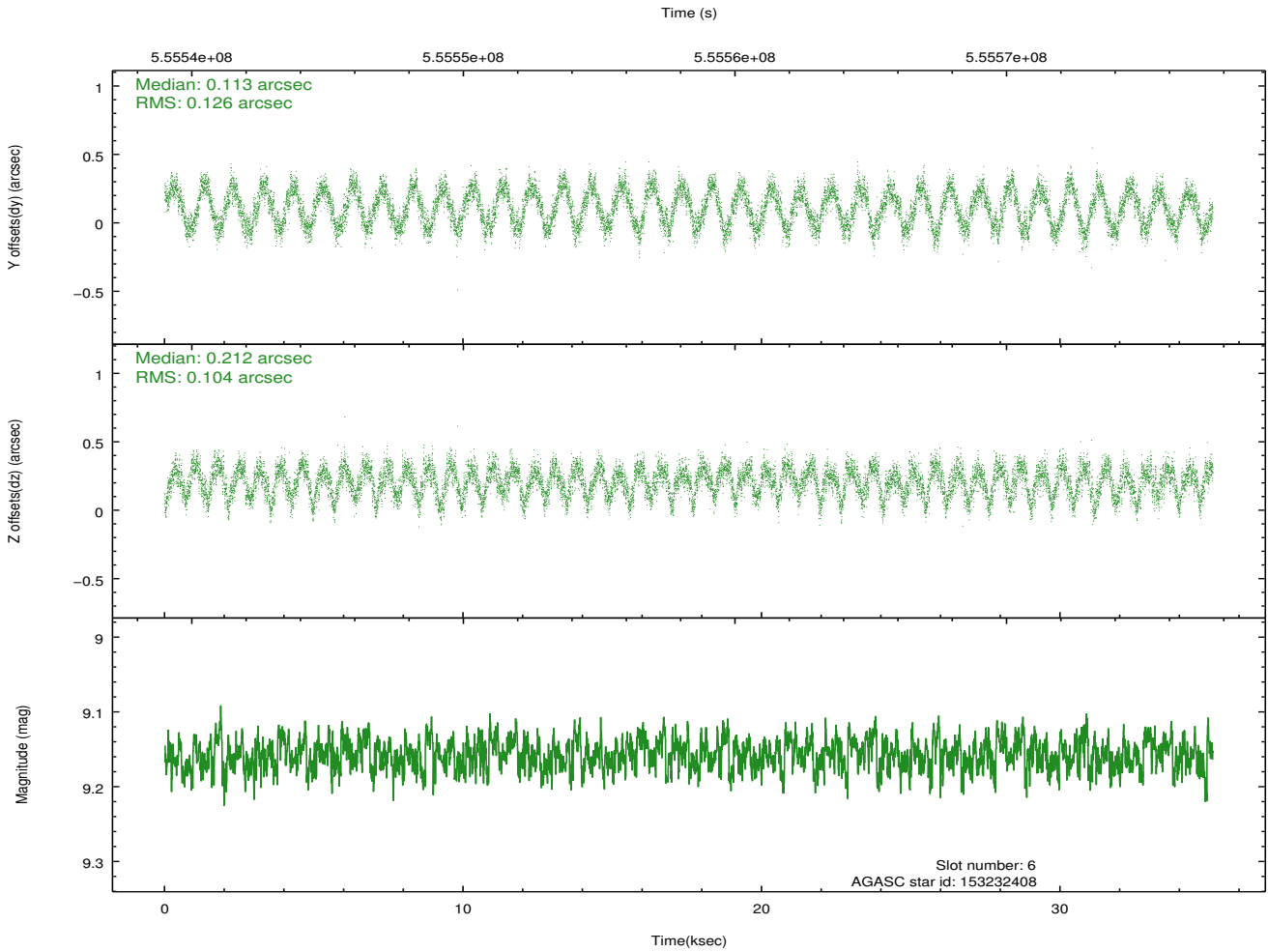
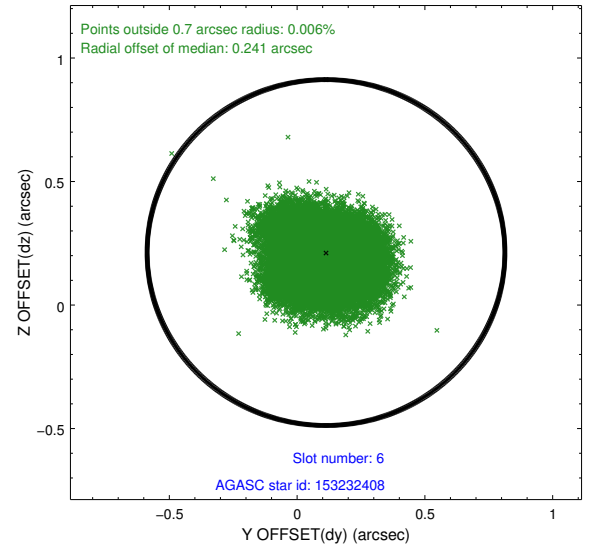
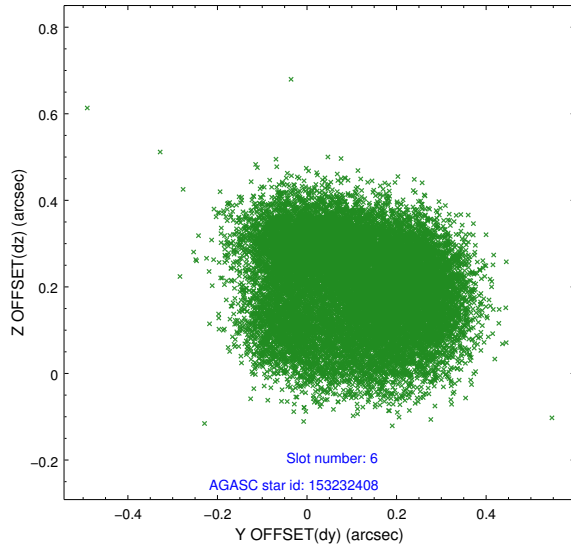
2.4.2 Slot 4



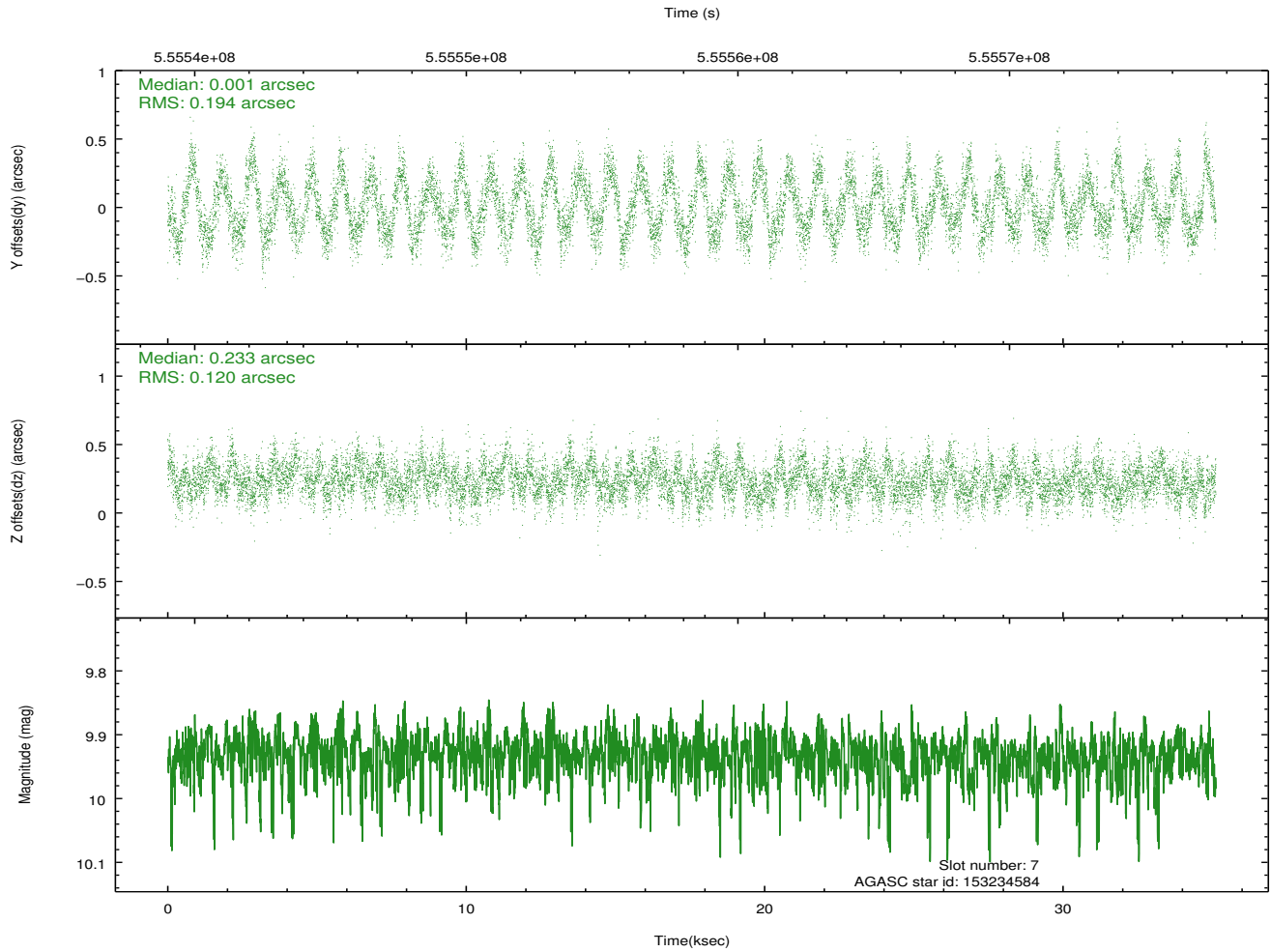
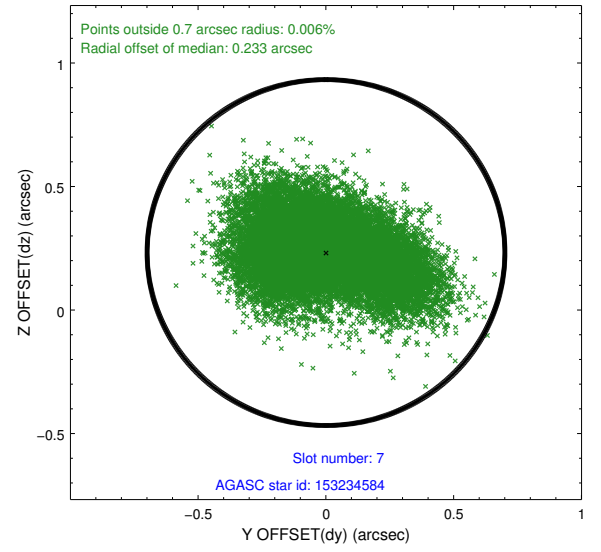
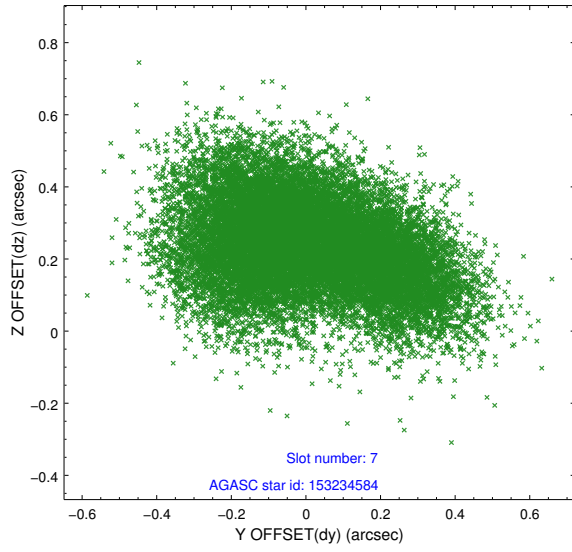
2.4.3 Slot 5



2.4.4 Slot 6

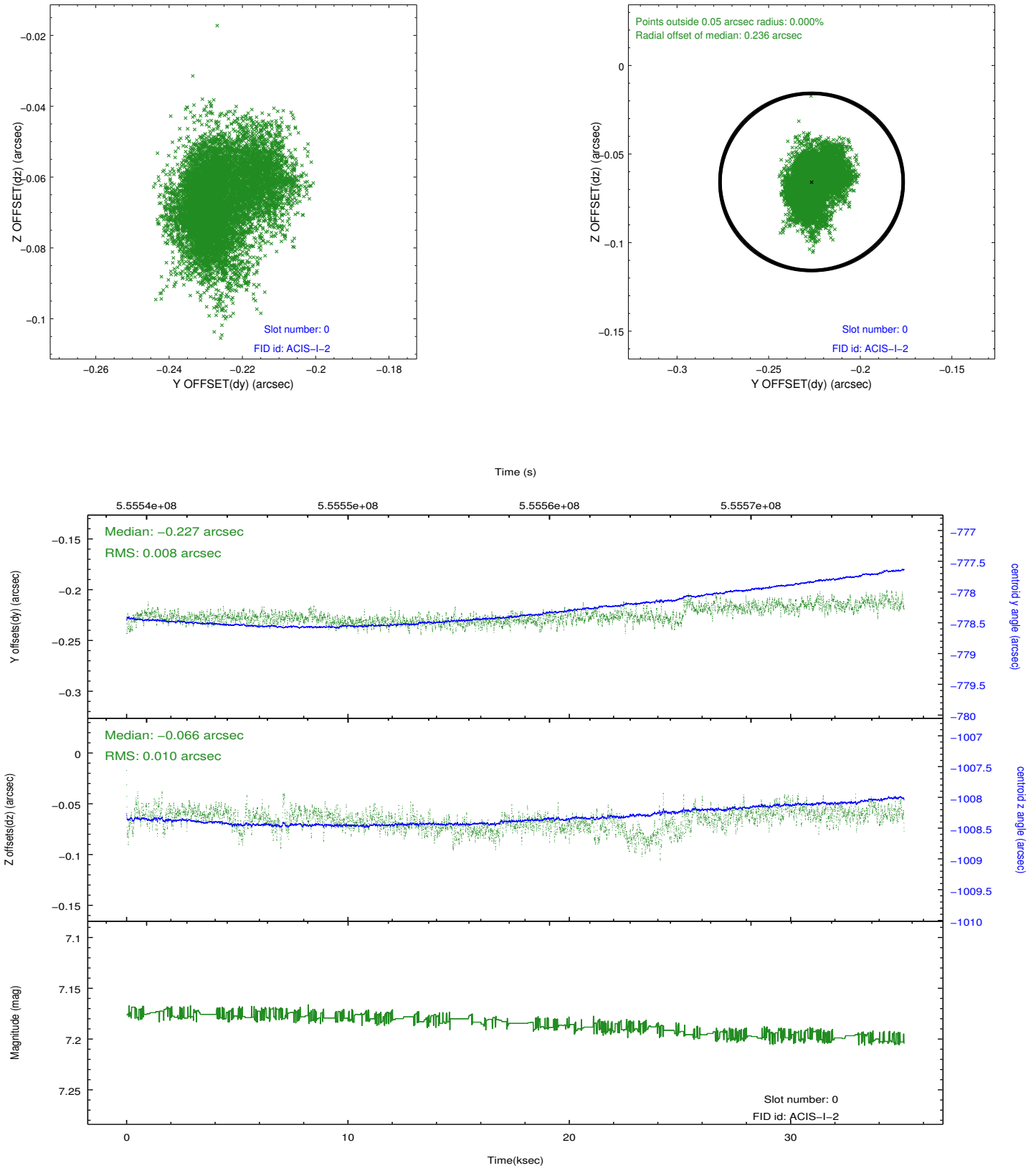


2.4.5 Slot 7

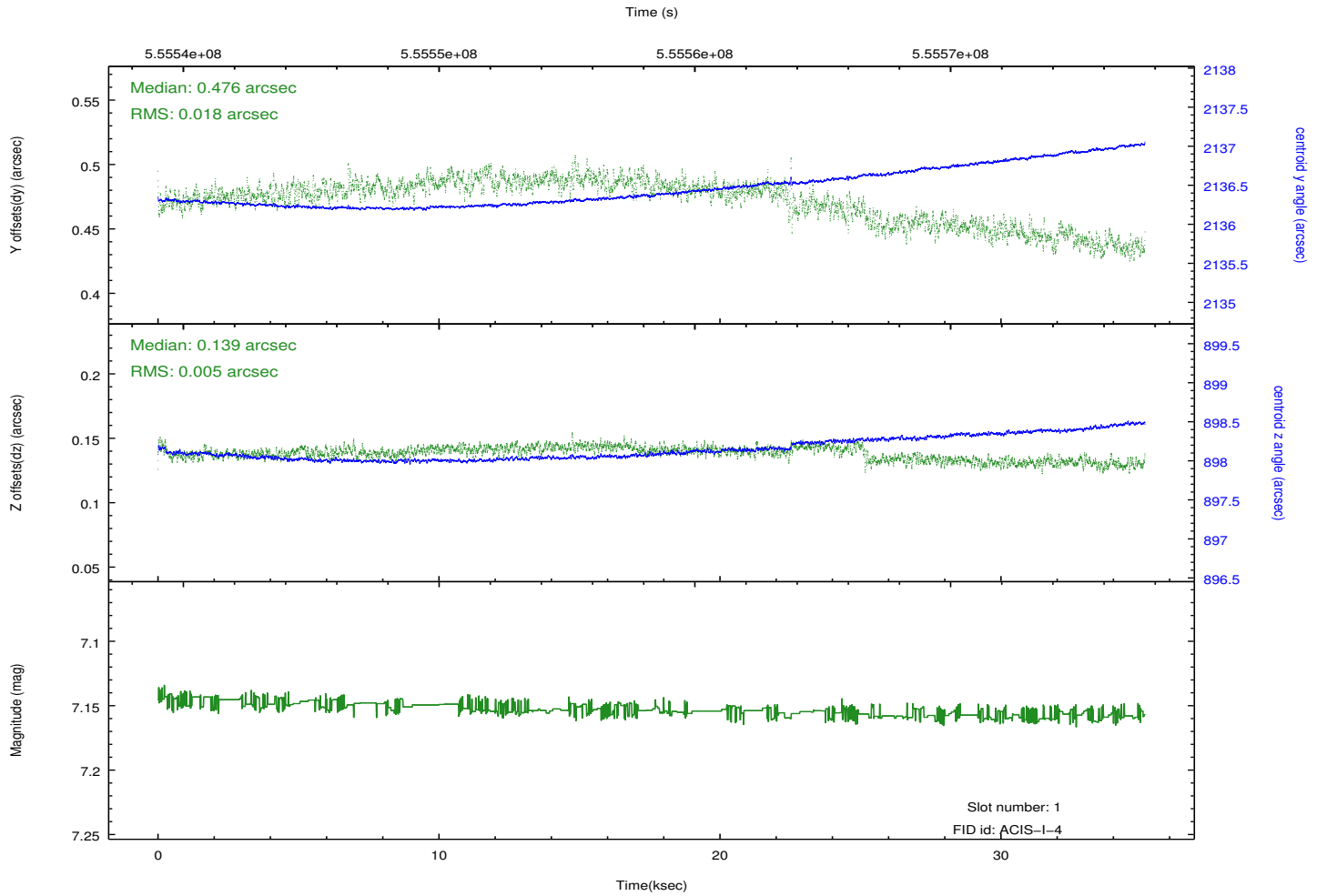
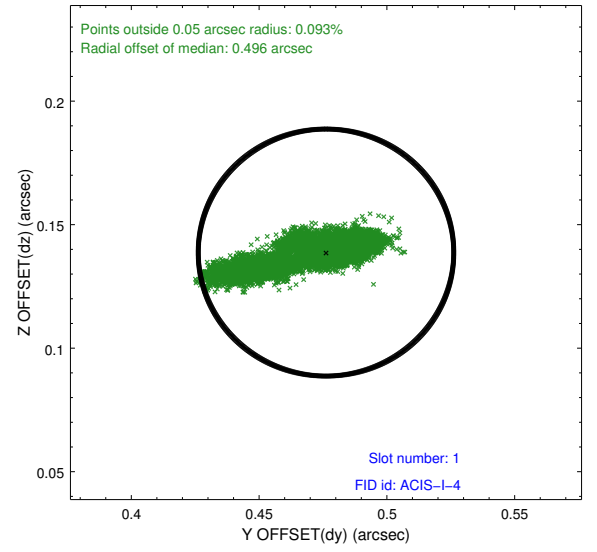
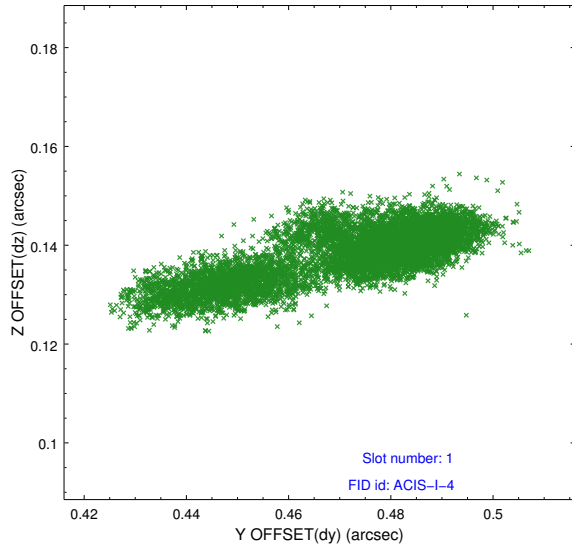


2.5 FID Slots

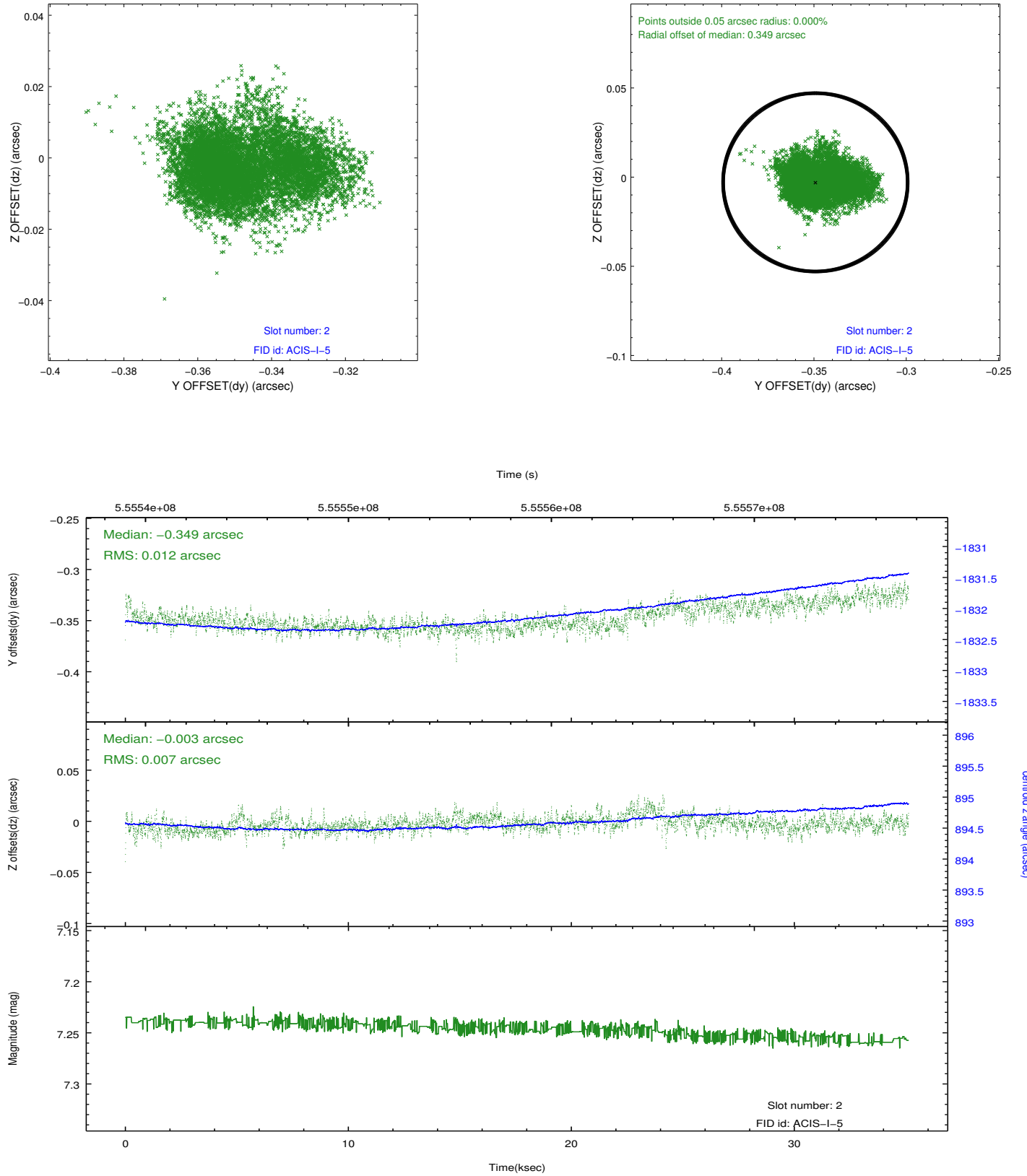
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.054308032751

A.2 Comments