

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17185 - L2 Version 1
Chandra X-Ray Center

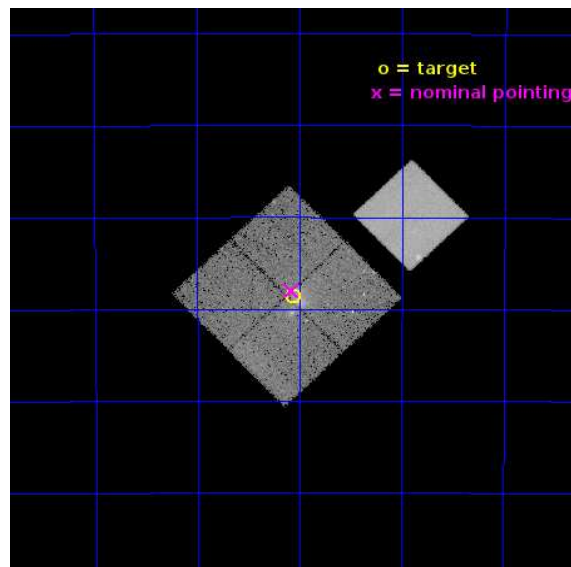
L2 Processing Date : Sep 1 2015

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1 Front

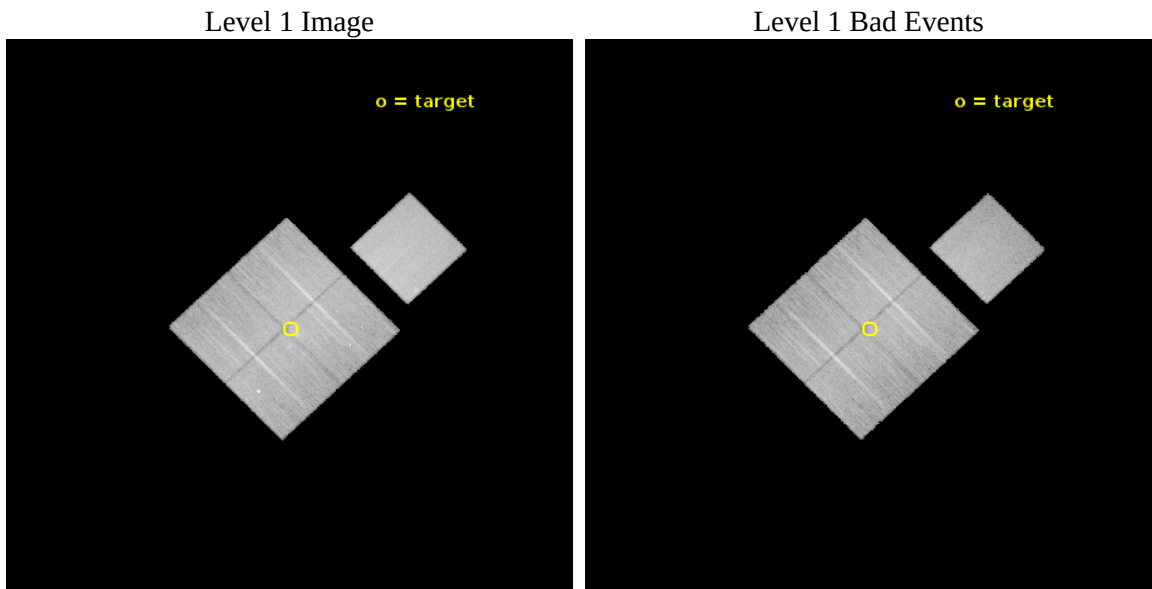
seq_num	801468	Sequence number
obs_id	17185	Observation id
title	Completing the survey of the most massive southern galaxy clusters	
observer	Prof. Hans Boehringer	Principal investigator
object	RXCJ0041.0-4428	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.264167	Observer's specified target RA [deg]
dec_targ	-44.475889	Observer's specified target Dec [deg]
ra_nom	10.270098122654	Nominal RA [deg]
dec_nom	-44.466782197891	Nominal Dec [deg]
roll_nom	46.032448321475	Nominal Roll [deg]
revision	1	Processing version of data
ontime	31151.485803127	Sum of GTIs [s]
livetime	30744.468707719	Livetime [s]
ontime0	31148.221662879	Sum of GTIs [s]
ontime1	31148.262692809	Sum of GTIs [s]
ontime2	31151.444763064	Sum of GTIs [s]
ontime3	31151.485803127	Sum of GTIs [s]
ontime7	31151.526843071	Sum of GTIs [s]
l2events	165027	Number of level 2 events



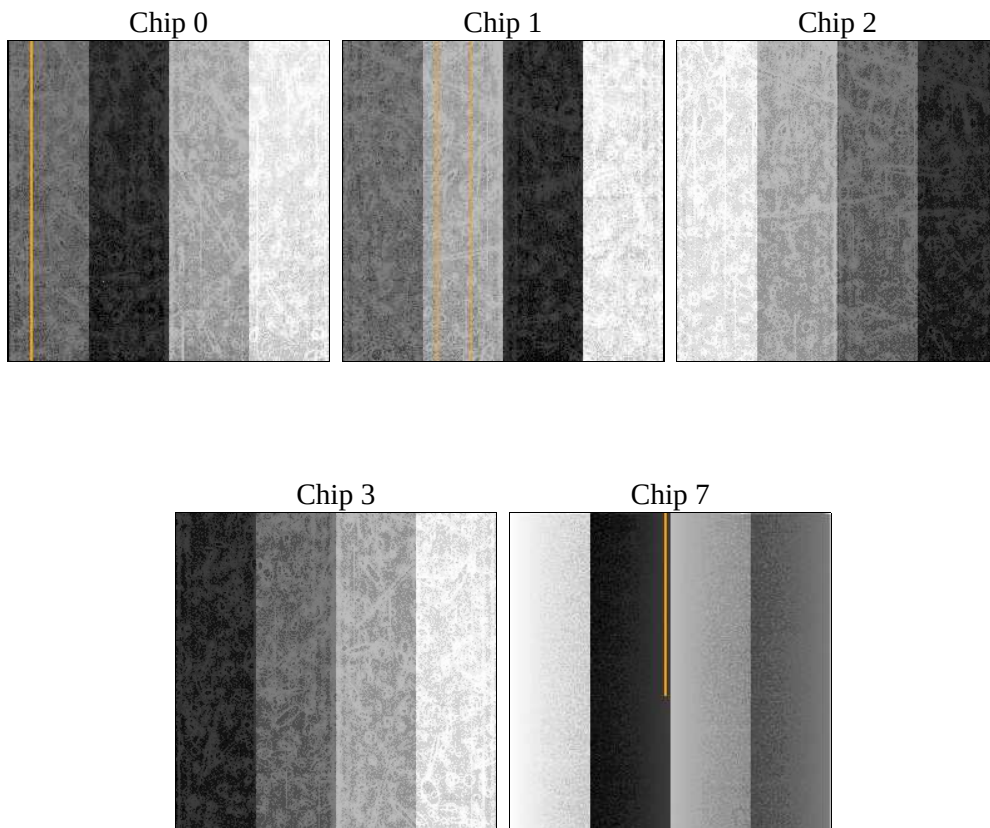
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	31085.794000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	31151.485803127	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	31148.221662879	Sum of GTIs [s]
date	2015-09-01T19:53:59	Date and time of file creation	ontime1	31148.262692809	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	31151.444763064	Sum of GTIs [s]
			ontime3	31151.485803127	Sum of GTIs [s]
			ontime7	31151.526843071	Sum of GTIs [s]
			l1events	877178	Number of level 1 events

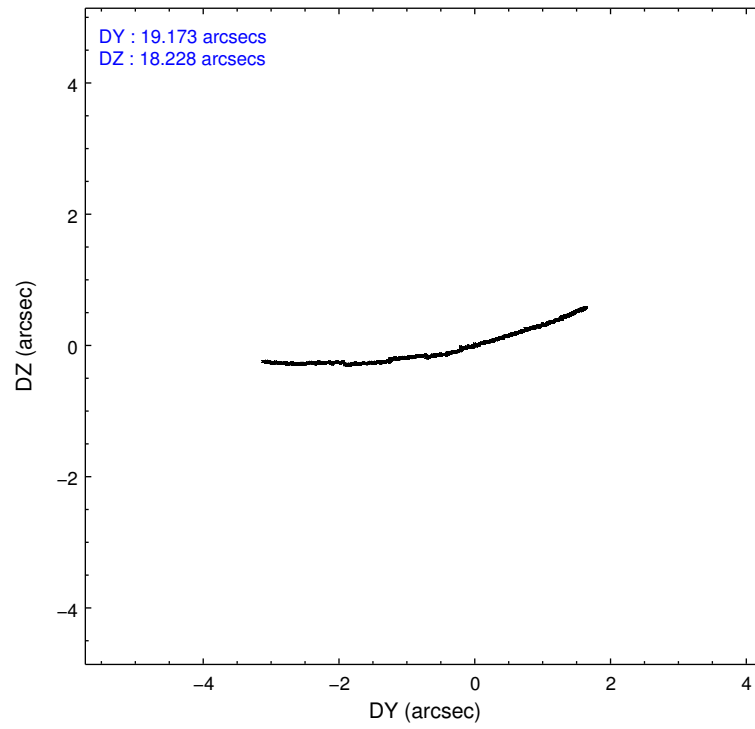
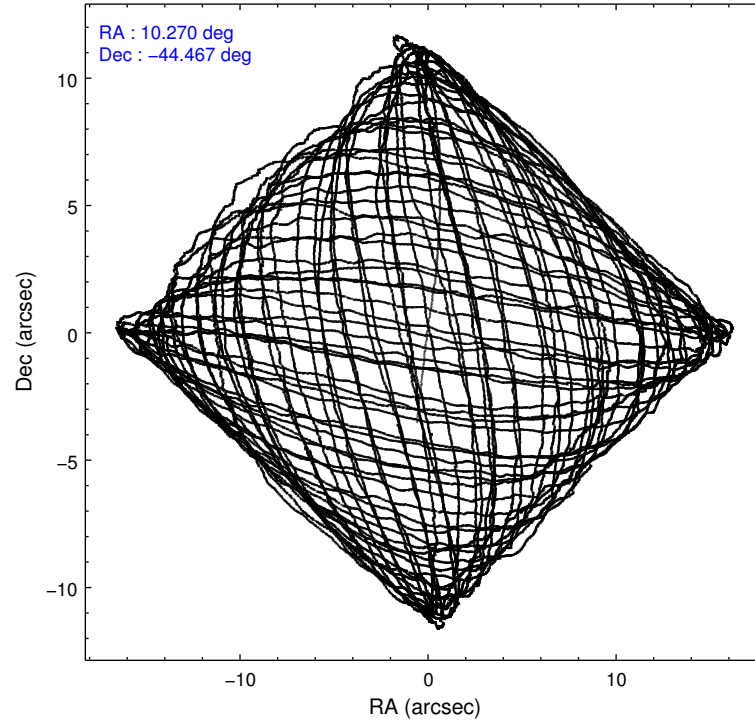
2.1.4 Events

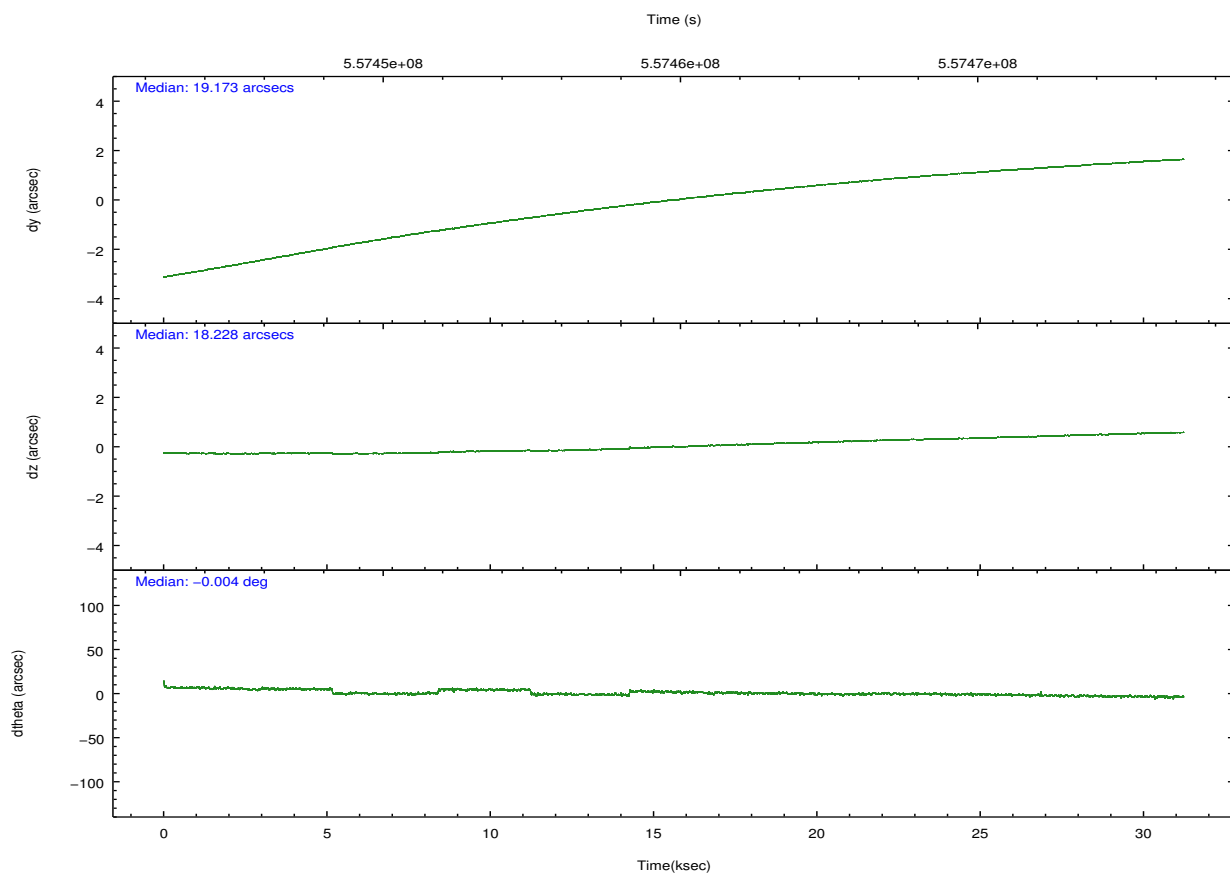
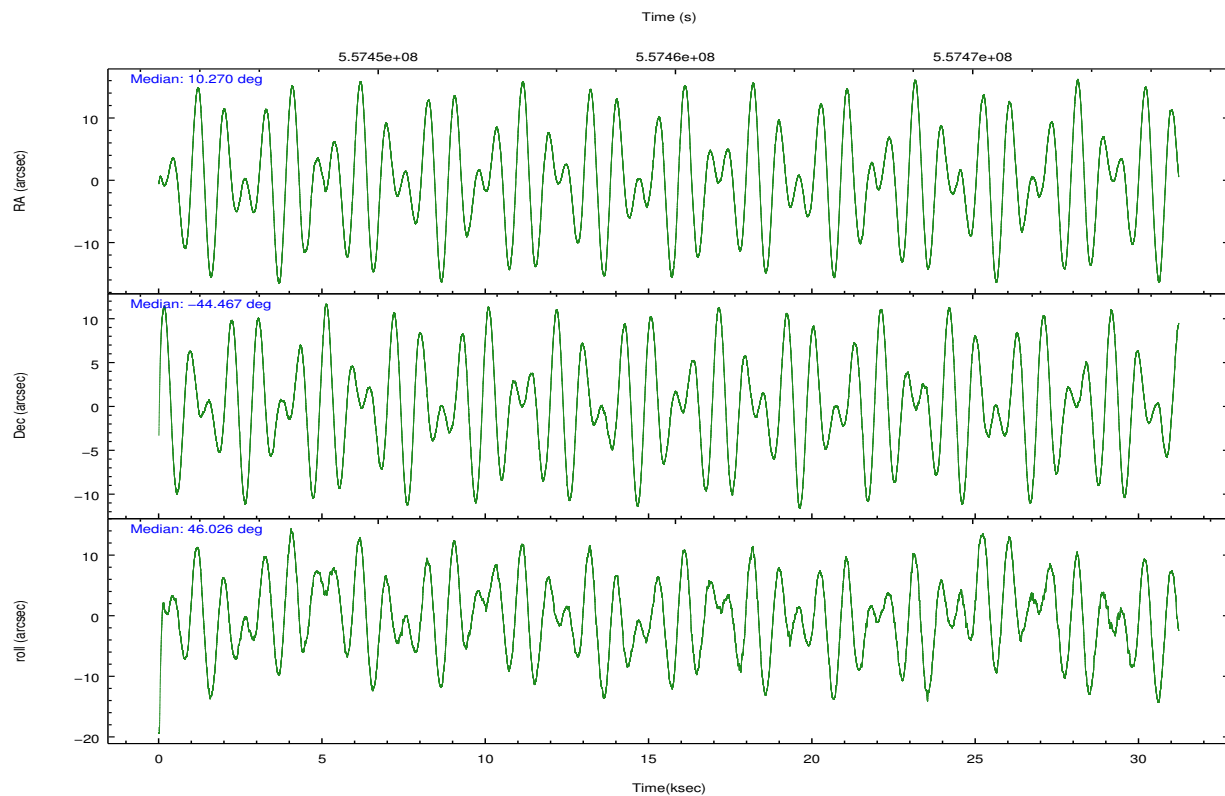
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	151227	159320	171067	168900	226664	grade 0 events	6602	9326	6900	9654	8550
rejected events	132086	135681	152054	146480	129286		4%	5%	4%	5%	3%
rejected %	87%	85%	88%	86%	57%	grade 1 events	77	100	85	118	277
							0%	0%	0%	0%	0%
						grade 2 events	4841	5312	4684	4612	20079
							3%	3%	2%	2%	8%
						grade 3 events	1949	2179	1873	2140	7868
							1%	1%	1%	1%	3%
						grade 4 events	1839	2079	1928	2087	8135
							1%	1%	1%	1%	3%
						grade 5 events	7324	7975	6936	8670	22968
							4%	5%	4%	5%	10%
						grade 6 events	3912	4749	3629	3928	52753
							2%	2%	2%	2%	23%
						grade 7 events	124683	127600	145032	137691	106034
							82%	80%	84%	81%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	10.260891	10.27009812265374	CCD I2 on	Y	Y
[deg] Pointing Dec	-44.493598	-44.46678219789104	CCD I3 on	Y	Y
[deg] Pointing Roll	45.817314	46.03244832147464	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	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	557444305.184000	557443028.69125	CCD S5 on	N	N
Observation start date	2015-08-31T21:37:17	2015-08-31T21:17:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	557475391.184000	557475624.7181	On-chip summing requested	N	N
Observation end date	2015-09-01T06:15:23	2015-09-01T06:20:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



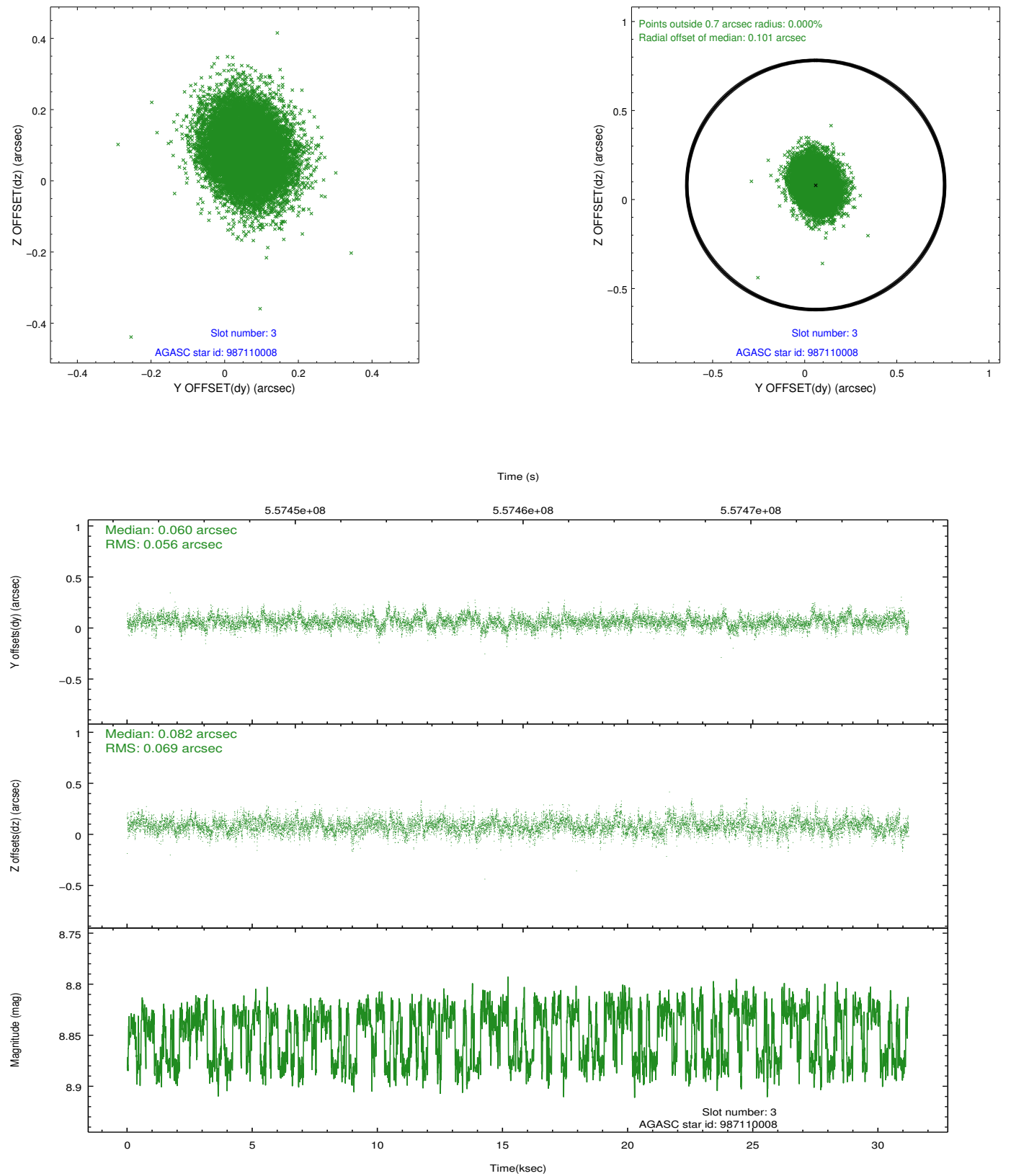


Slot Statistics

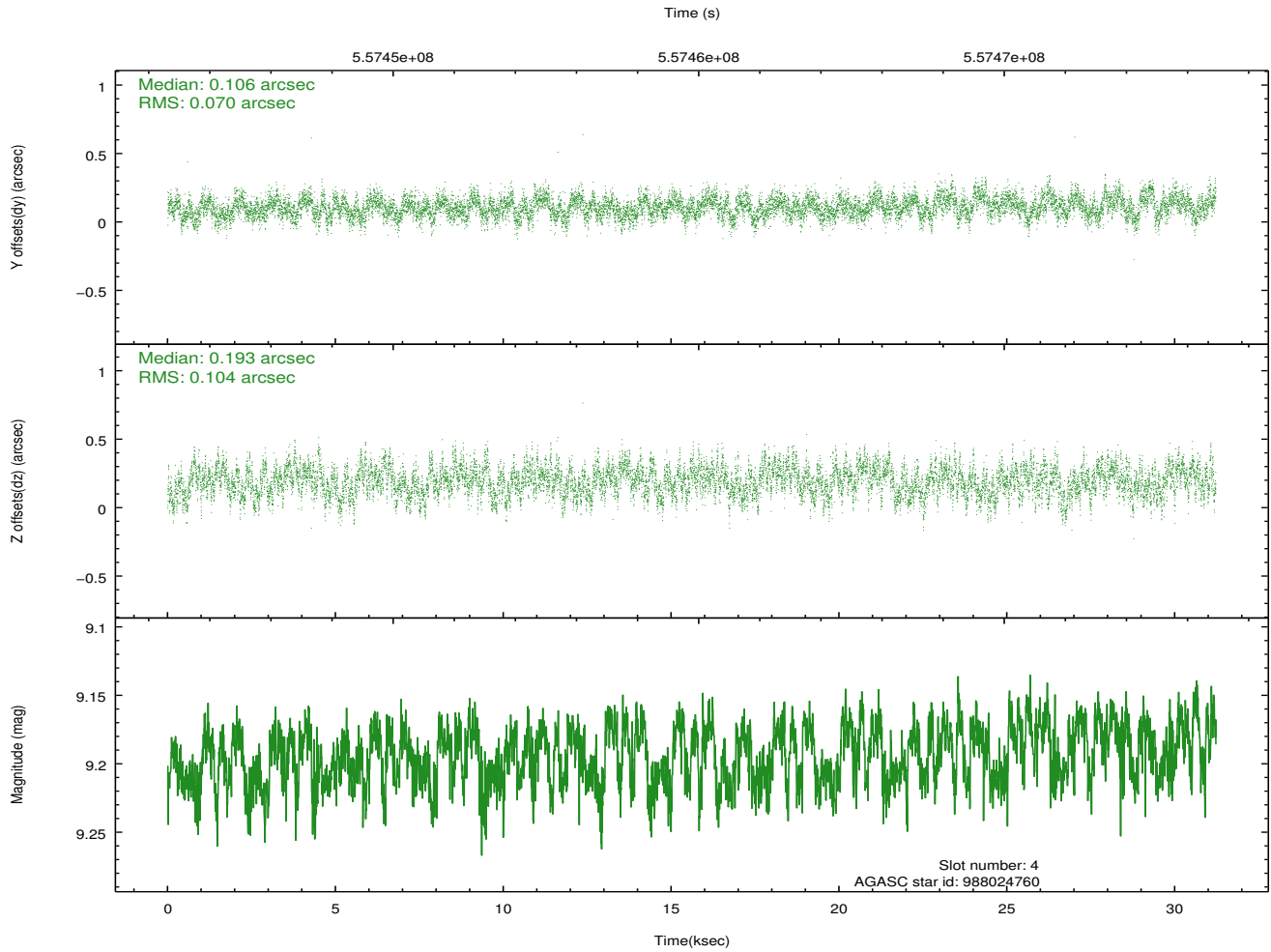
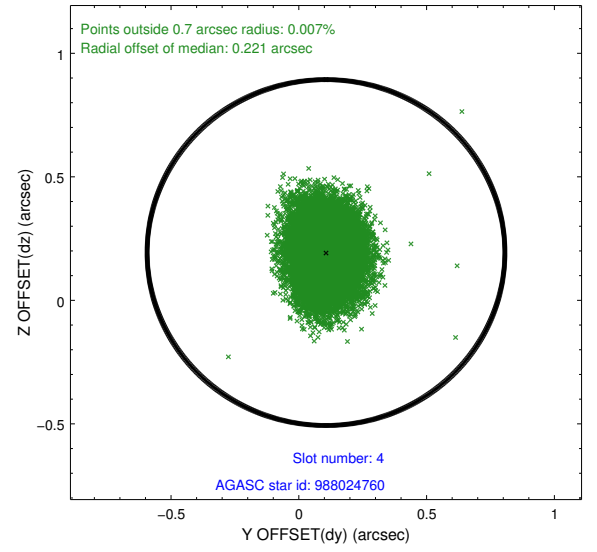
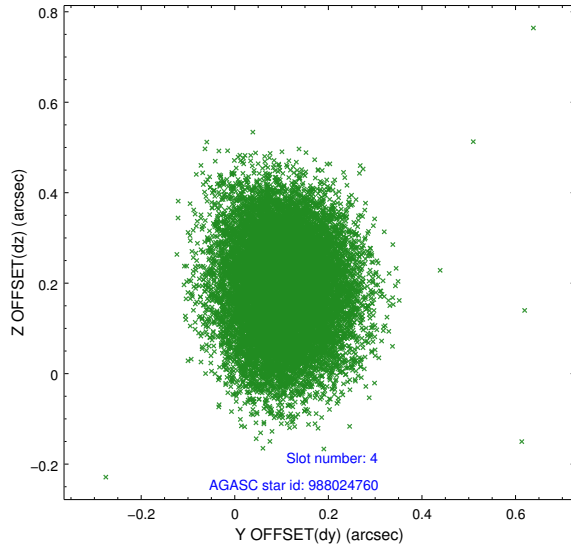
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.14	7614	-0.131	-0.063	0.018	0.034	0.000000	0.000000	-773.84	-848.41
1	FID		ACIS-I-4	7.19	7614	0.365	0.091	0.021	0.053	0.000000	0.000000	2140.63	1057.97
2	FID		ACIS-I-5	7.25	7615	-0.335	0.041	0.017	0.045	0.000000	0.000000	-1827.84	1055.73
3	GUIDE	used	987110008	8.84	15222	0.060	0.082	0.093	0.154	9.369216	-44.407837	-1385.93	1851.03
4	GUIDE	used	988024760	9.19	15215	0.106	0.193	0.134	0.216	10.622927	-44.532540	545.85	-765.28
5	GUIDE	used	988025296	7.55	15229	-0.155	0.006	0.083	0.135	10.849496	-44.123308	2011.79	-165.36
6	GUIDE	used	987108680	8.68	15223	0.086	0.005	0.104	0.169	9.211755	-44.656131	-2304.36	1506.73
7	GUIDE	used	987107480	9.20	15215	-0.101	-0.277	0.125	0.209	9.652904	-44.008109	151.50	2342.96

2.4 Star Slots

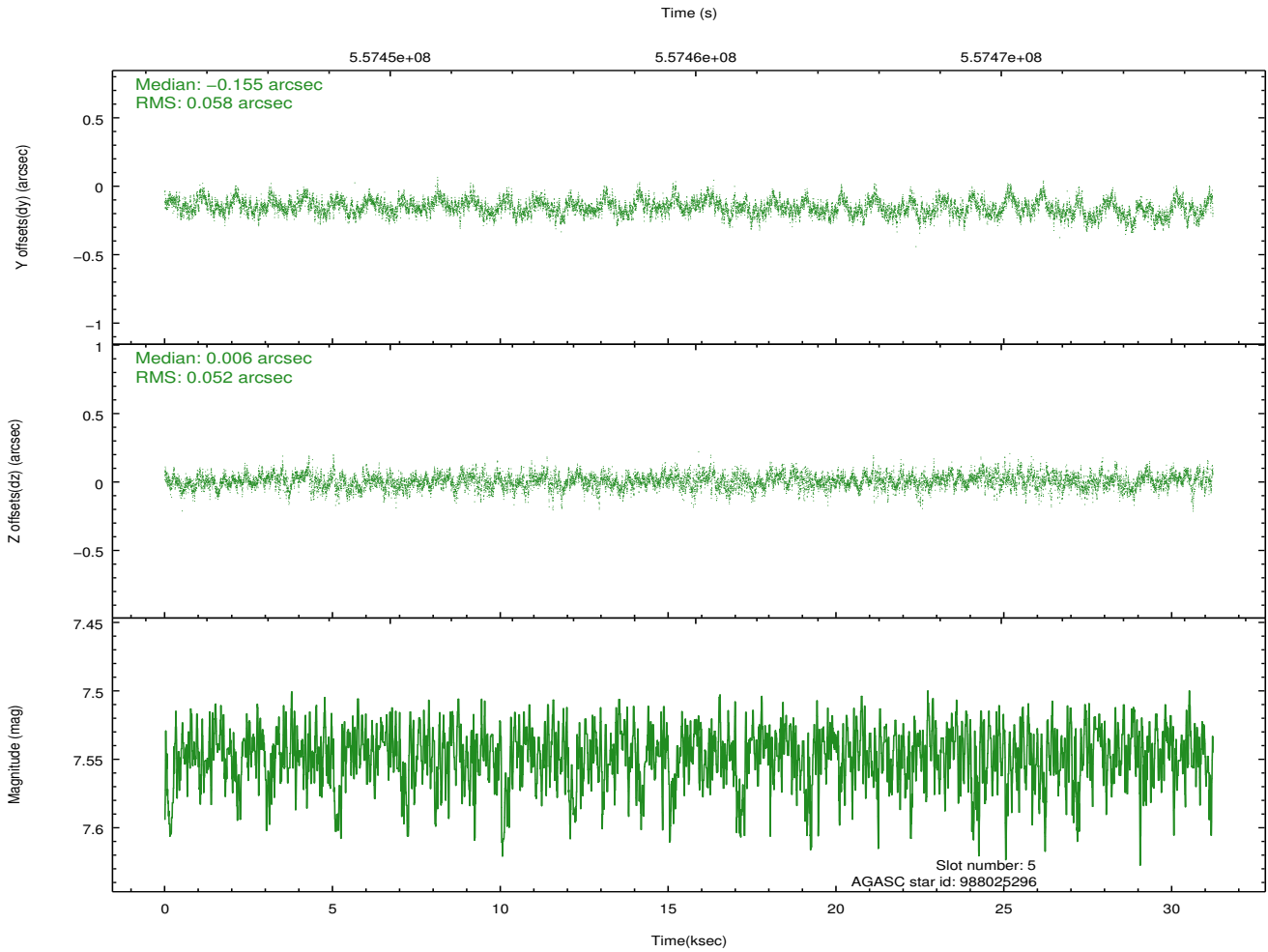
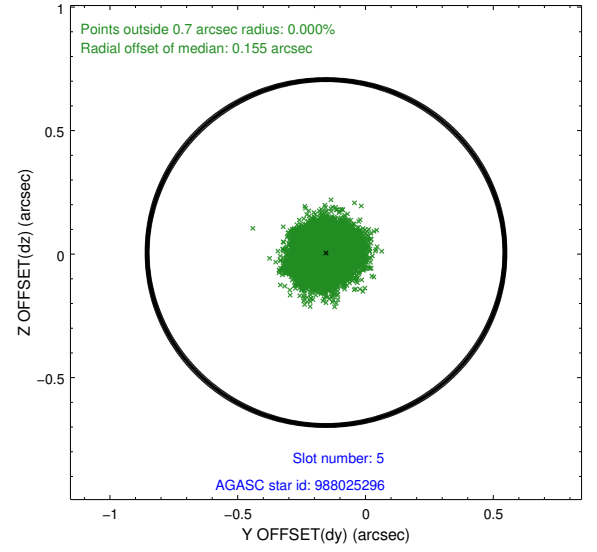
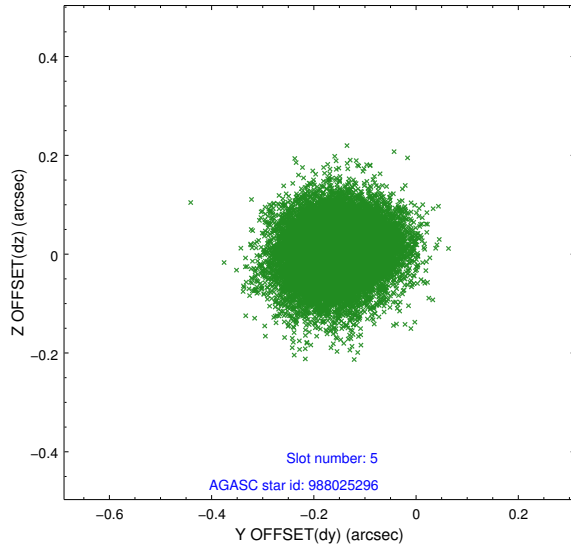
2.4.1 Slot 3



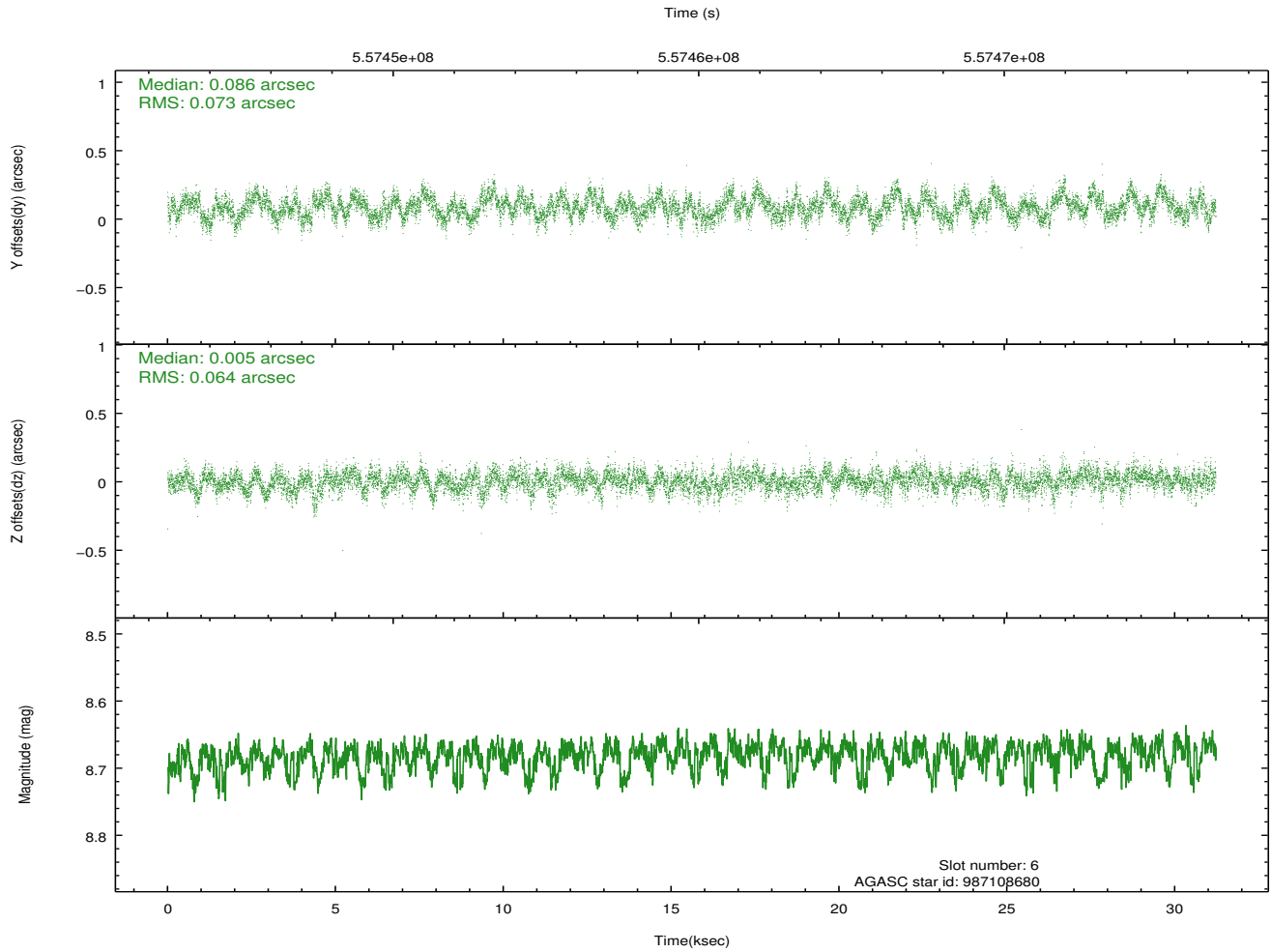
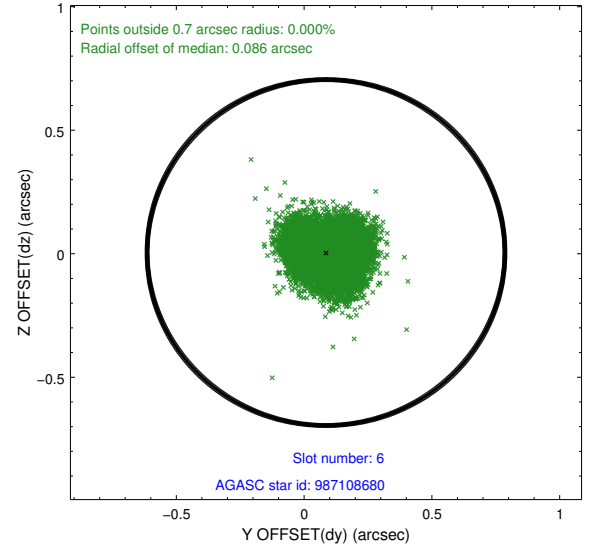
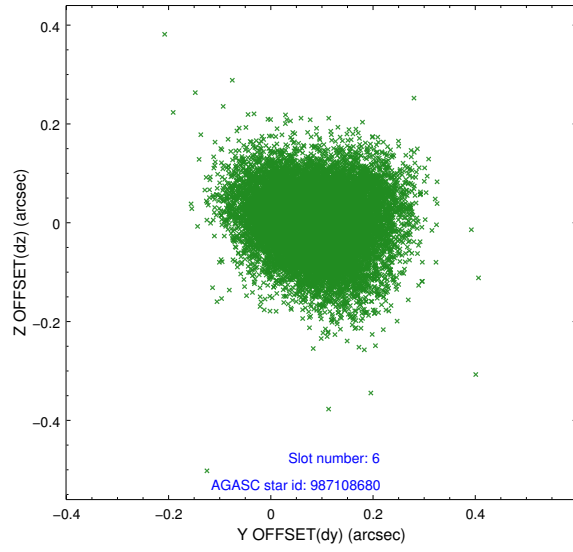
2.4.2 Slot 4



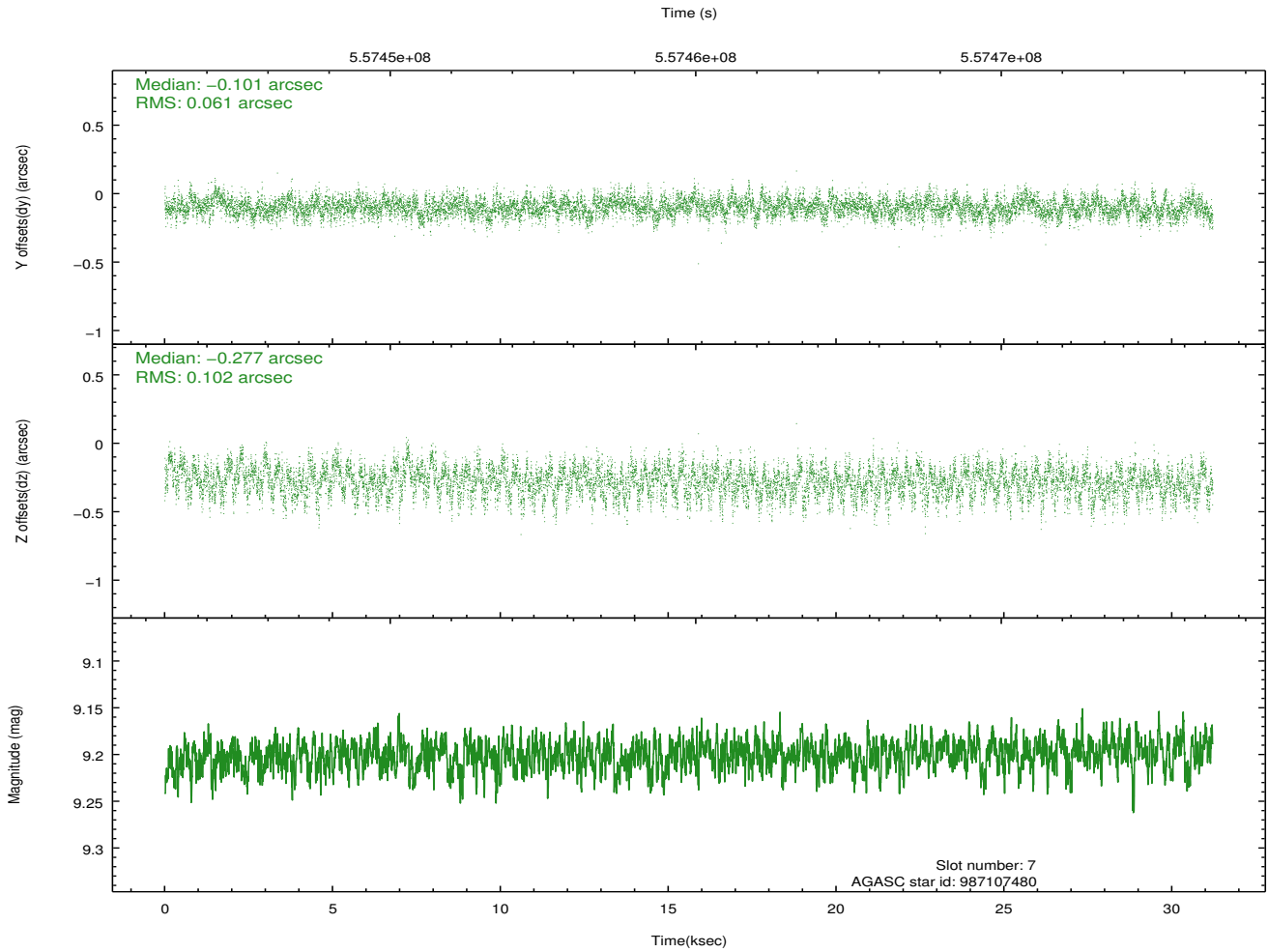
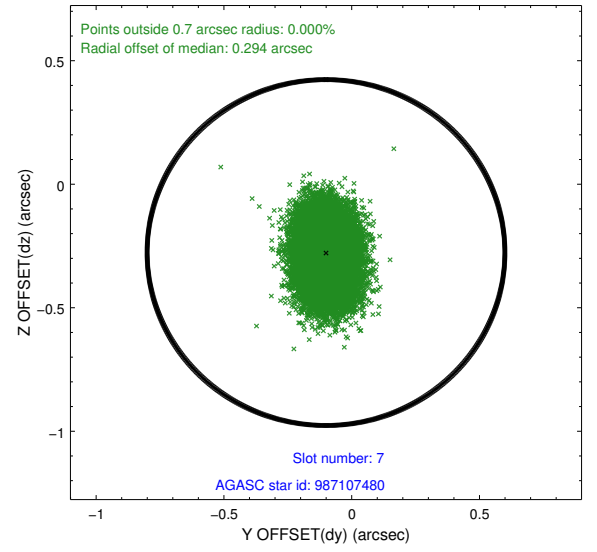
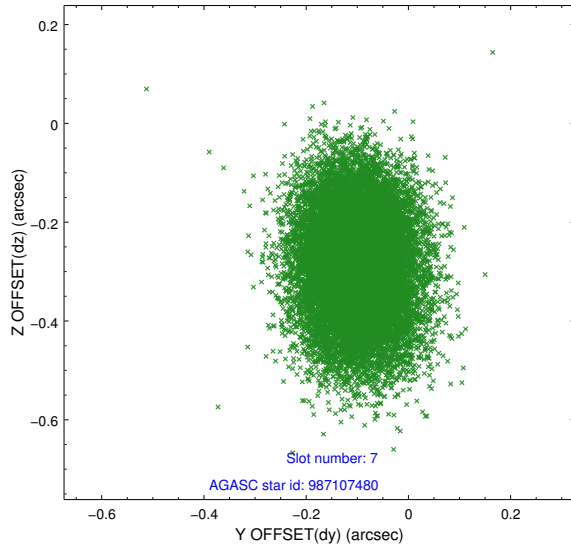
2.4.3 Slot 5



2.4.4 Slot 6

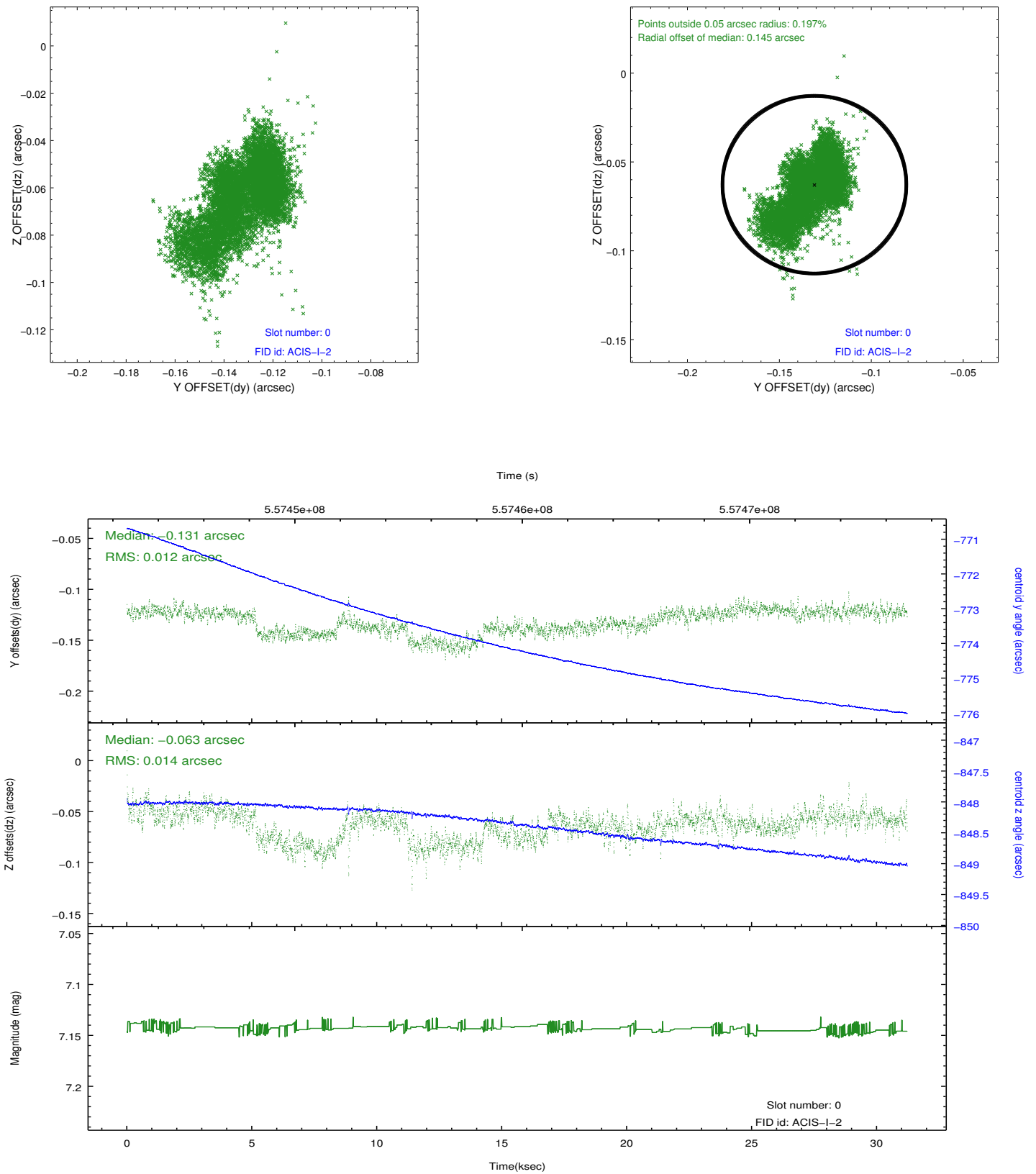


2.4.5 Slot 7

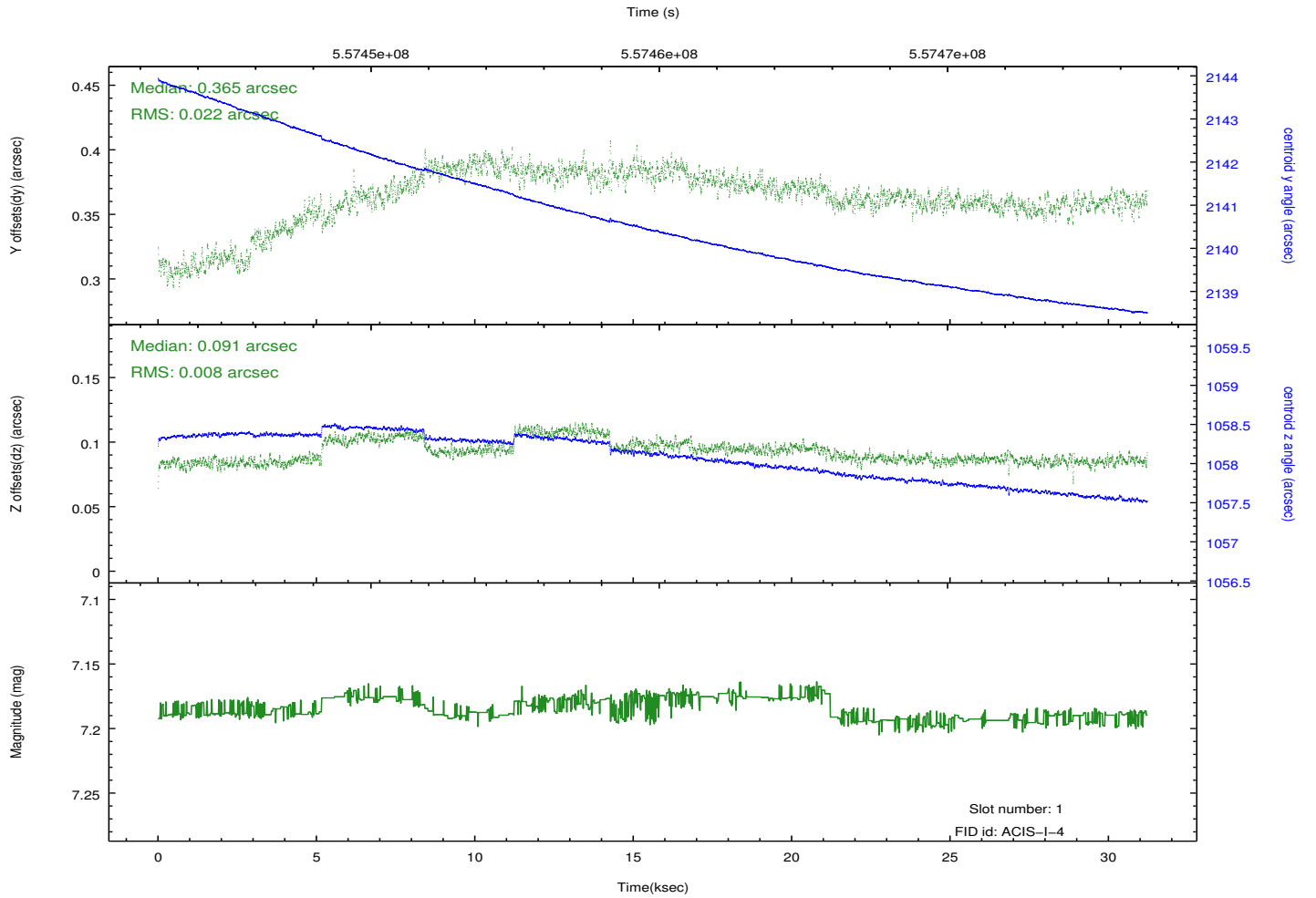
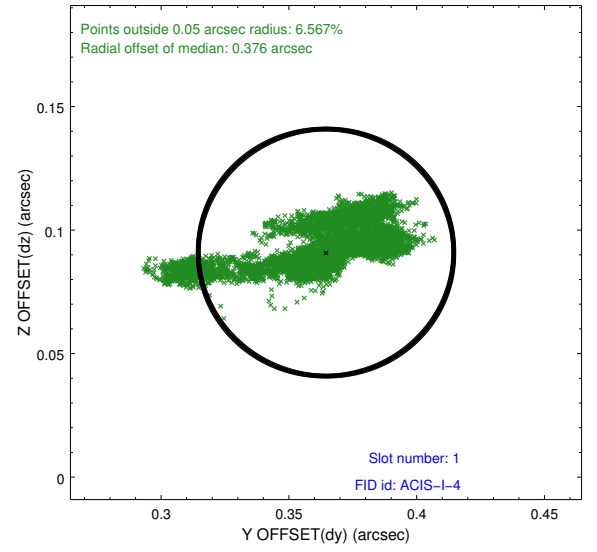
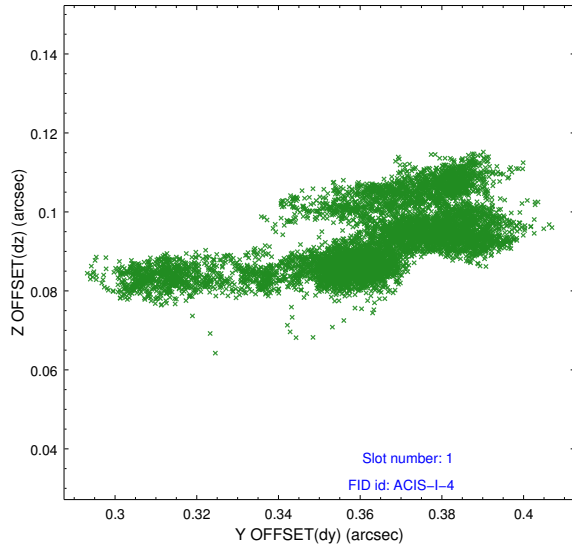


2.5 FID Slots

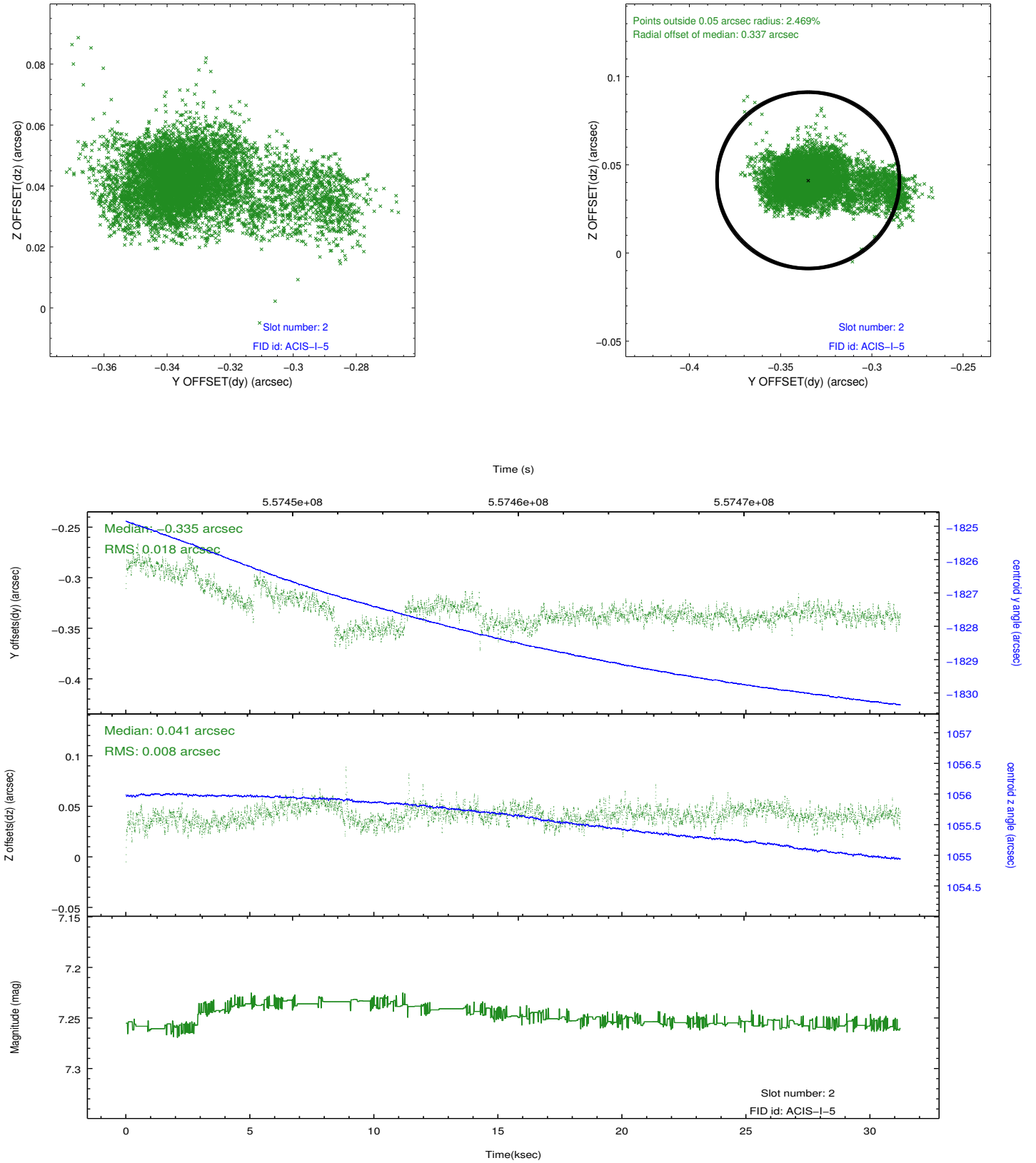
2.5.1 Slot 0



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)	2015.09.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.151485803127

A.2 Comments