

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11666 - L2 Version 2
Chandra X-Ray Center

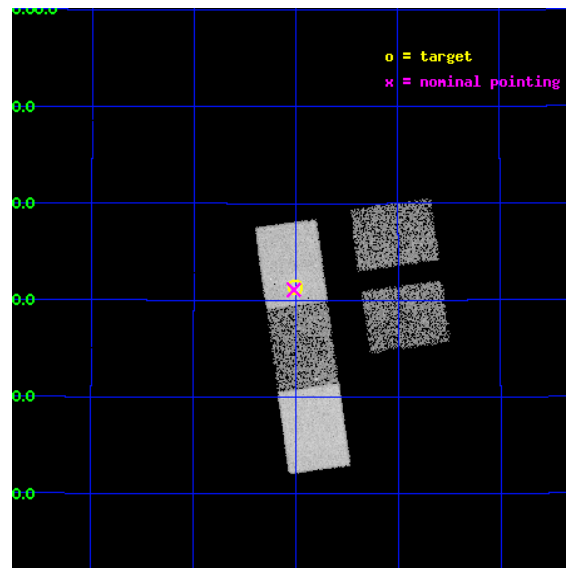
L2 Processing Date : Jul 1 2012

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1 Front

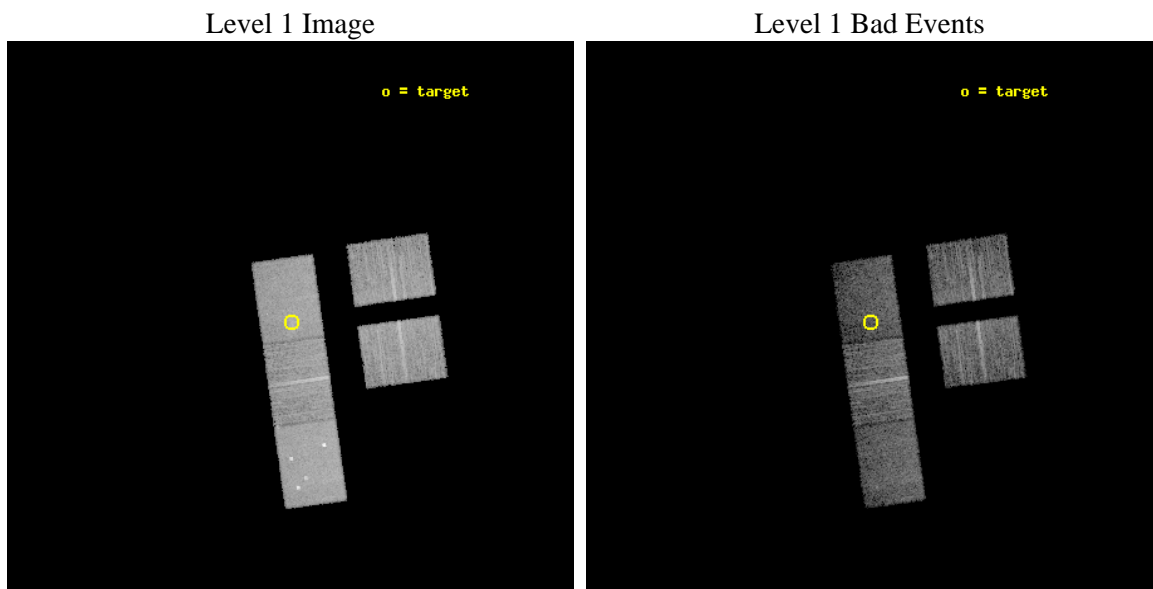
seq_num	702252	Sequence number
obs_id	11666	Observation id
title	Chandra deciphers the Optically 'Dull' X-ray Bright Galaxies at z~0.	Proposal title
observer	Dr. Anca Constantin	Principal investigator
object	SDSS J145200.52+443121.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.002083	Observer's specified target RA [deg]
dec_targ	44.522583	Observer's specified target Dec [deg]
ra_nom	223.00483754273	Nominal RA [deg]
dec_nom	44.51816334139	Nominal Dec [deg]
roll_nom	261.98321824128	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9633.4710264206	Sum of GTIs [s]
livetime	9471.508235592	Livetime [s]
ontime2	9633.3068664074	Sum of GTIs [s]
ontime3	9633.3479064107	Sum of GTIs [s]
ontime5	9633.4299864173	Sum of GTIs [s]
ontime6	9633.388946414	Sum of GTIs [s]
ontime7	9633.4710264206	Sum of GTIs [s]
l2events	74336	Number of level 2 events



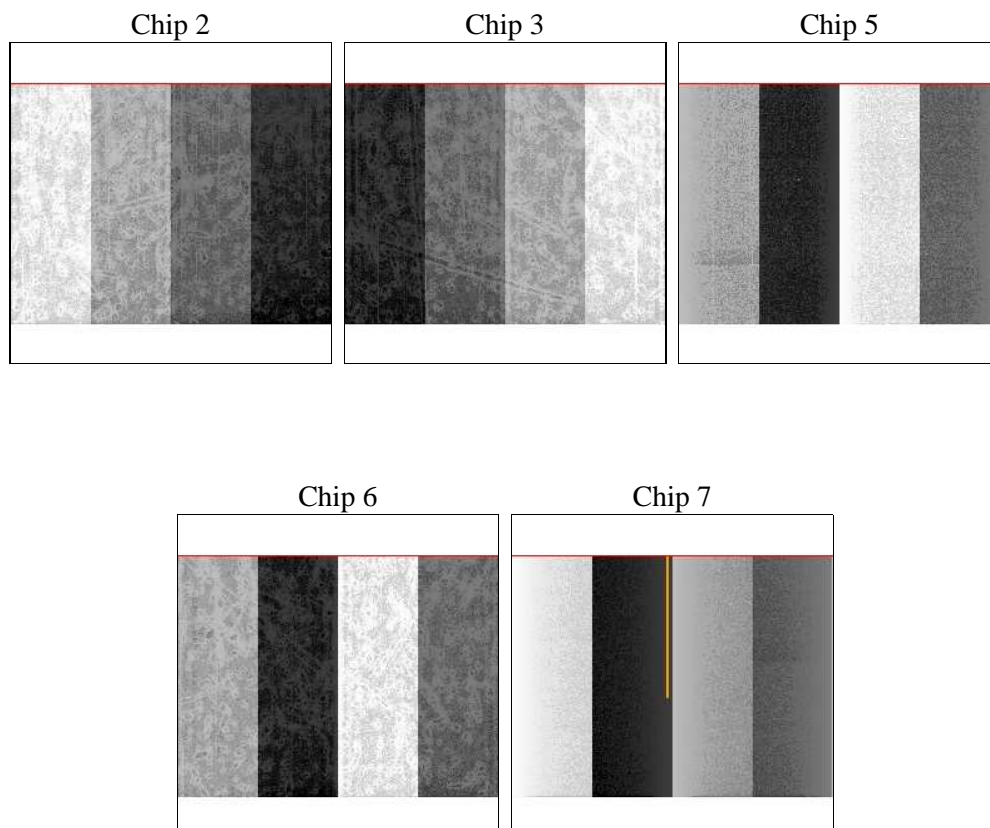
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9633.4710264206	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	9633.3068664074	Sum of GTIs [s]
date	2012-07-01T03:35:41	Date and time of file creation	ontime3	9633.3479064107	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	9633.4299864173	Sum of GTIs [s]
			ontime6	9633.388946414	Sum of GTIs [s]
			ontime7	9633.4710264206	Sum of GTIs [s]
			l1events	278178	Number of level 1 events

2.1.4 Events

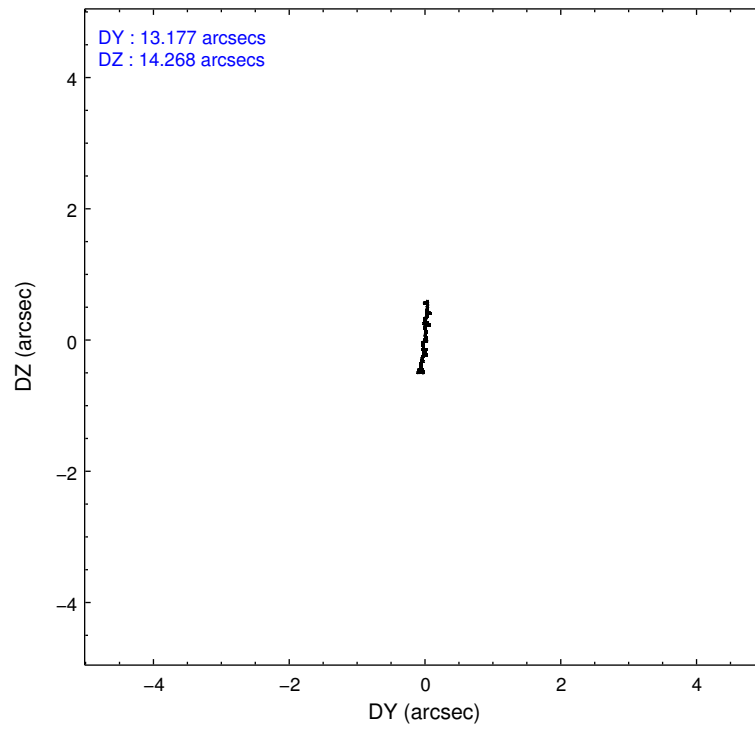
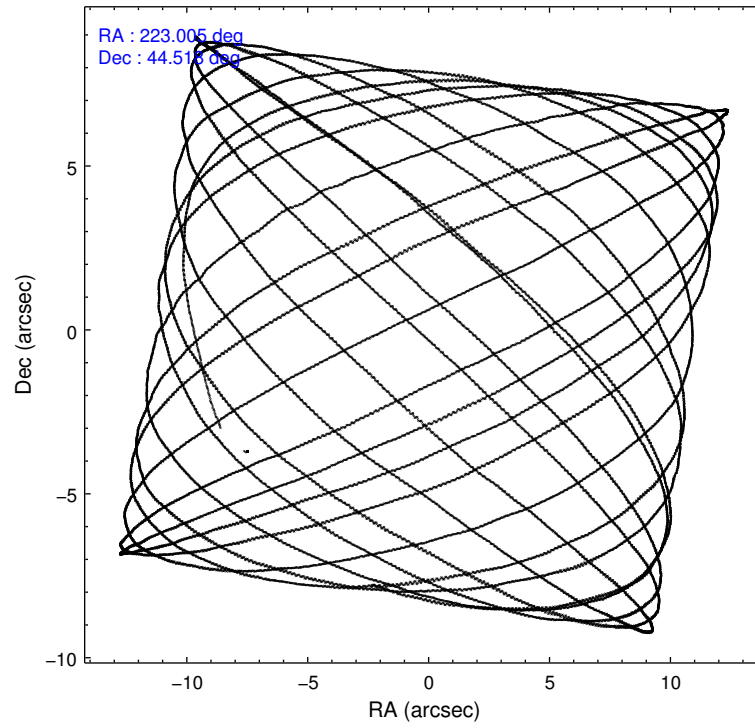
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	51165	48759	72745	50813	54696
rejected events	45755	43616	33270	45030	27127
rejected %	89%	89%	45%	88%	49%

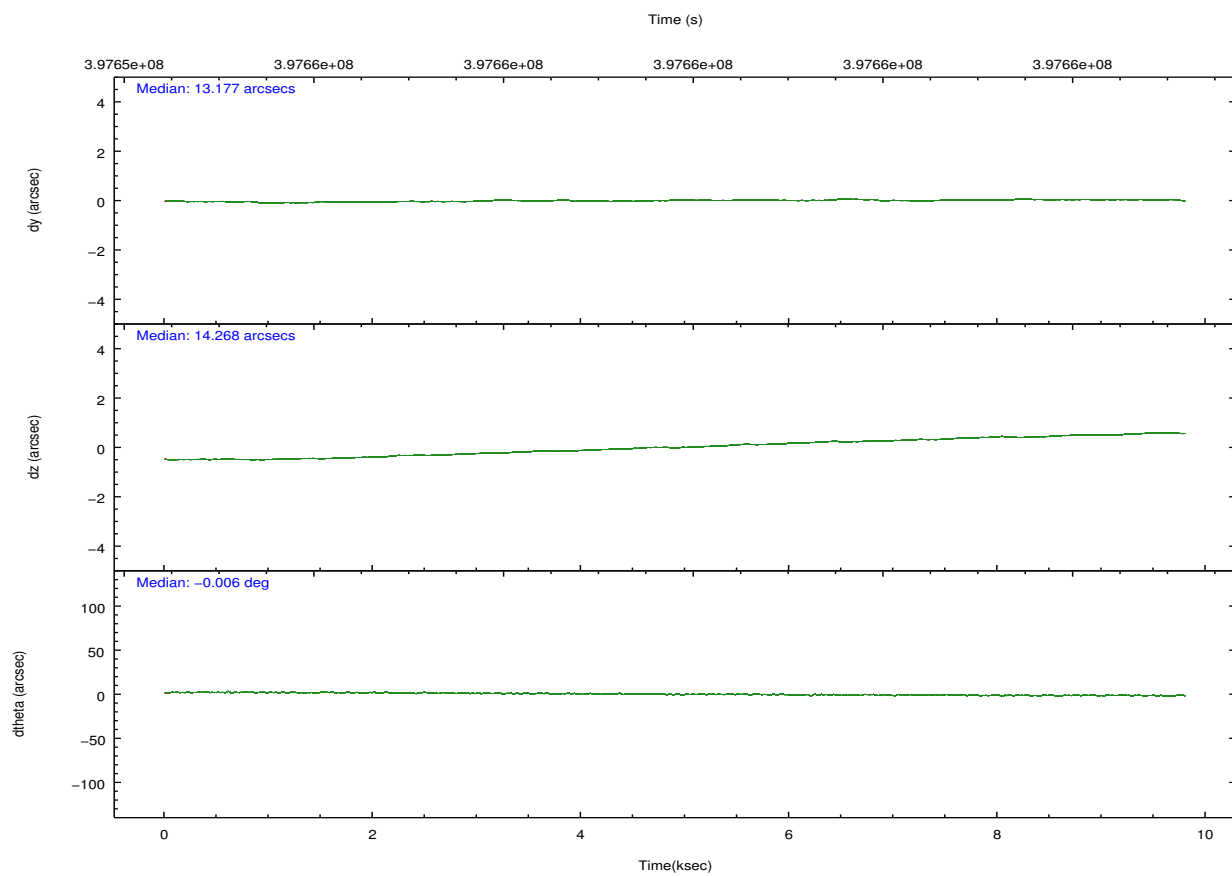
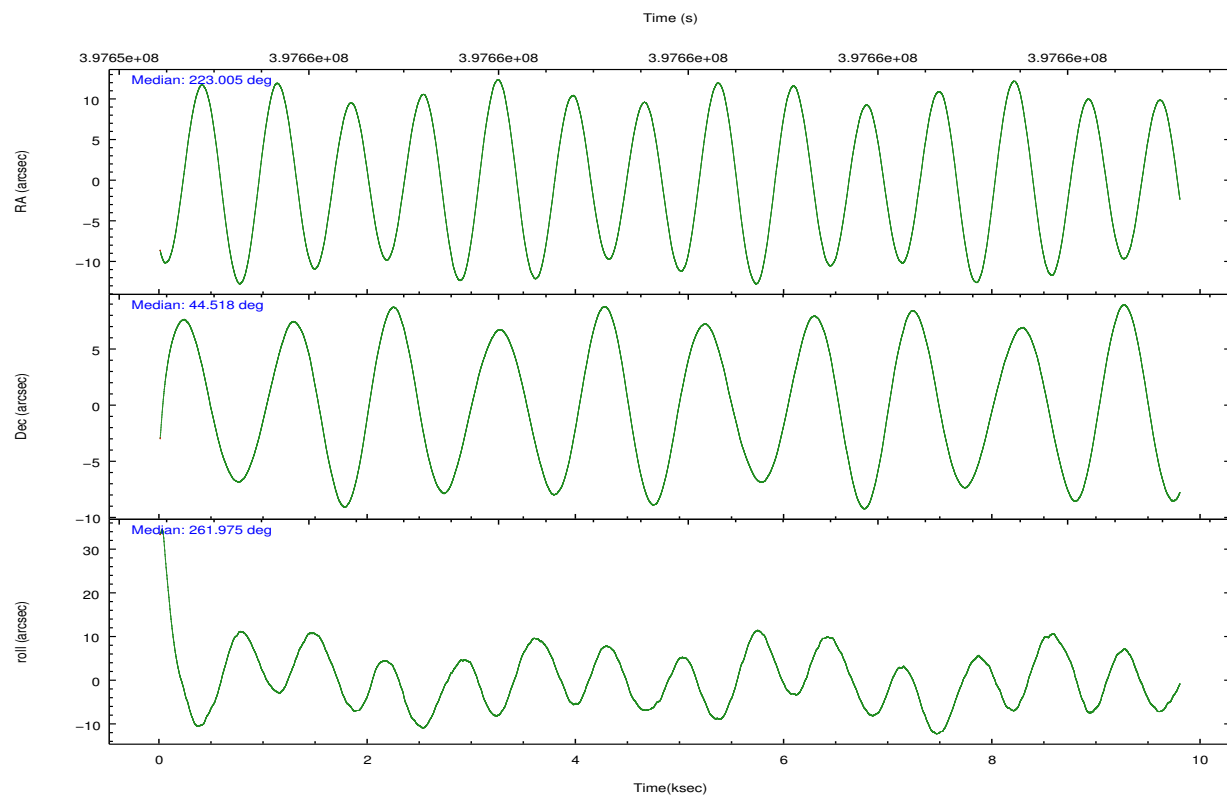
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1929	1844	7212	2080	3213
	3%	3%	9%	4%	5%
grade 1 events	22	29	251	28	85
	0%	0%	0%	0%	0%
grade 2 events	1358	1115	11120	1249	6063
	2%	2%	15%	2%	11%
grade 3 events	609	656	1605	666	2683
	1%	1%	2%	1%	4%
grade 4 events	586	594	1433	630	2657
	1%	1%	1%	1%	4%
grade 5 events	1520	1874	5503	1908	5770
	2%	3%	7%	3%	10%
grade 6 events	928	935	18129	1161	12966
	1%	1%	24%	2%	23%
grade 7 events	44213	41712	27492	43091	21259
	86%	85%	37%	84%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	222.989967	223.0048375427319	CCD I2 on	O2	Y
[deg] Pointing Dec	44.543344	44.51816334139039	CCD I3 on	O3	Y
[deg] Pointing Roll	261.836988	261.9832182412827	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	397655119.184000	397654062.50101	CCD S5 on	N	N
Observation start date	2010-08-08T11:44:13	2010-08-08T11:27:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	397664719.184000	397666150.32662	On-chip summing requested	N	N
Observation end date	2010-08-08T14:24:13	2010-08-08T14:49:10	Subarray requested	CUSTOM	CUSTOM
Read mode	TIMED	TIMED	Subarray start row	128	128
			Subarray row count	768	768
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	2.4

2.3 Aspect



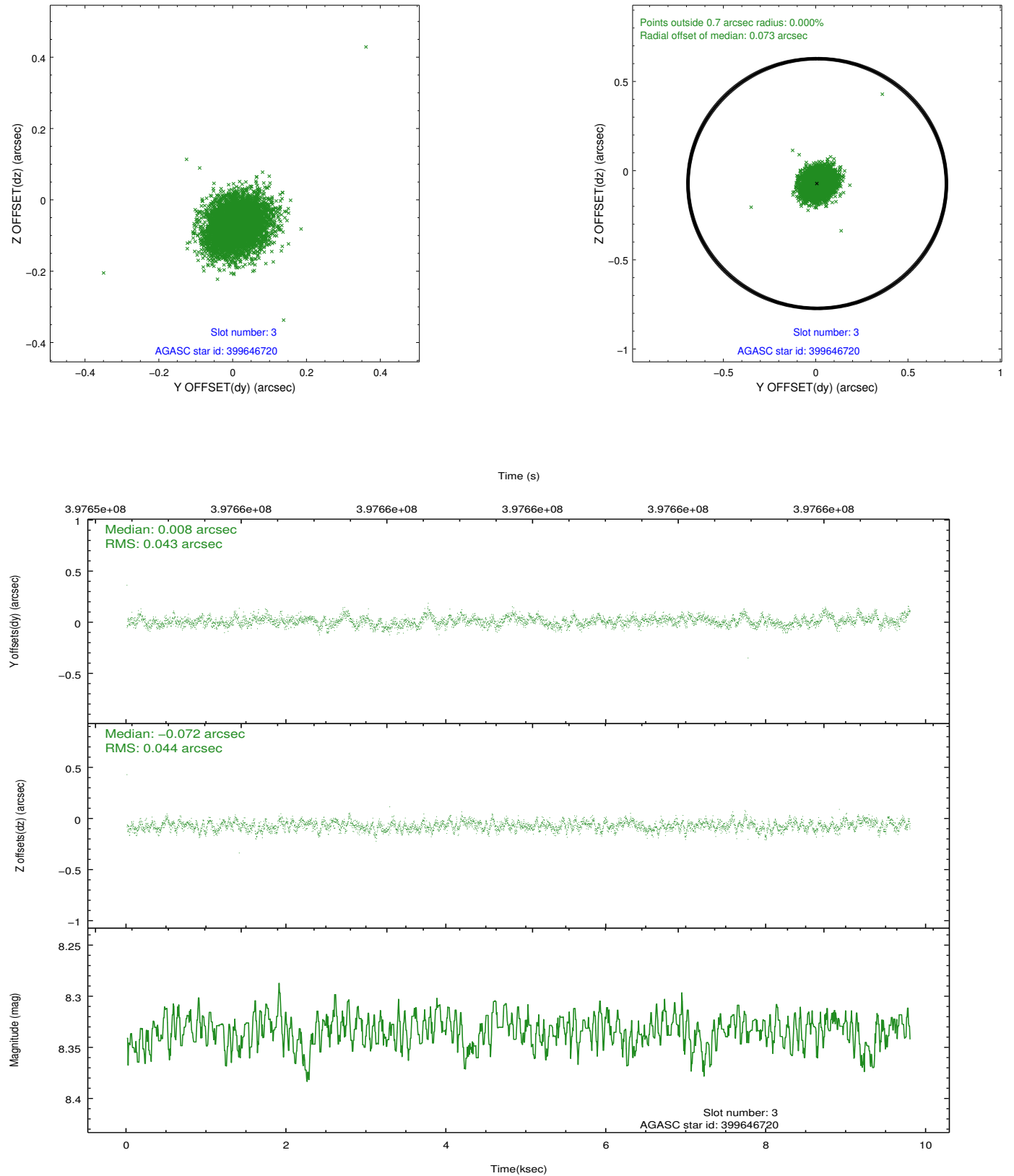


Slot Statistics

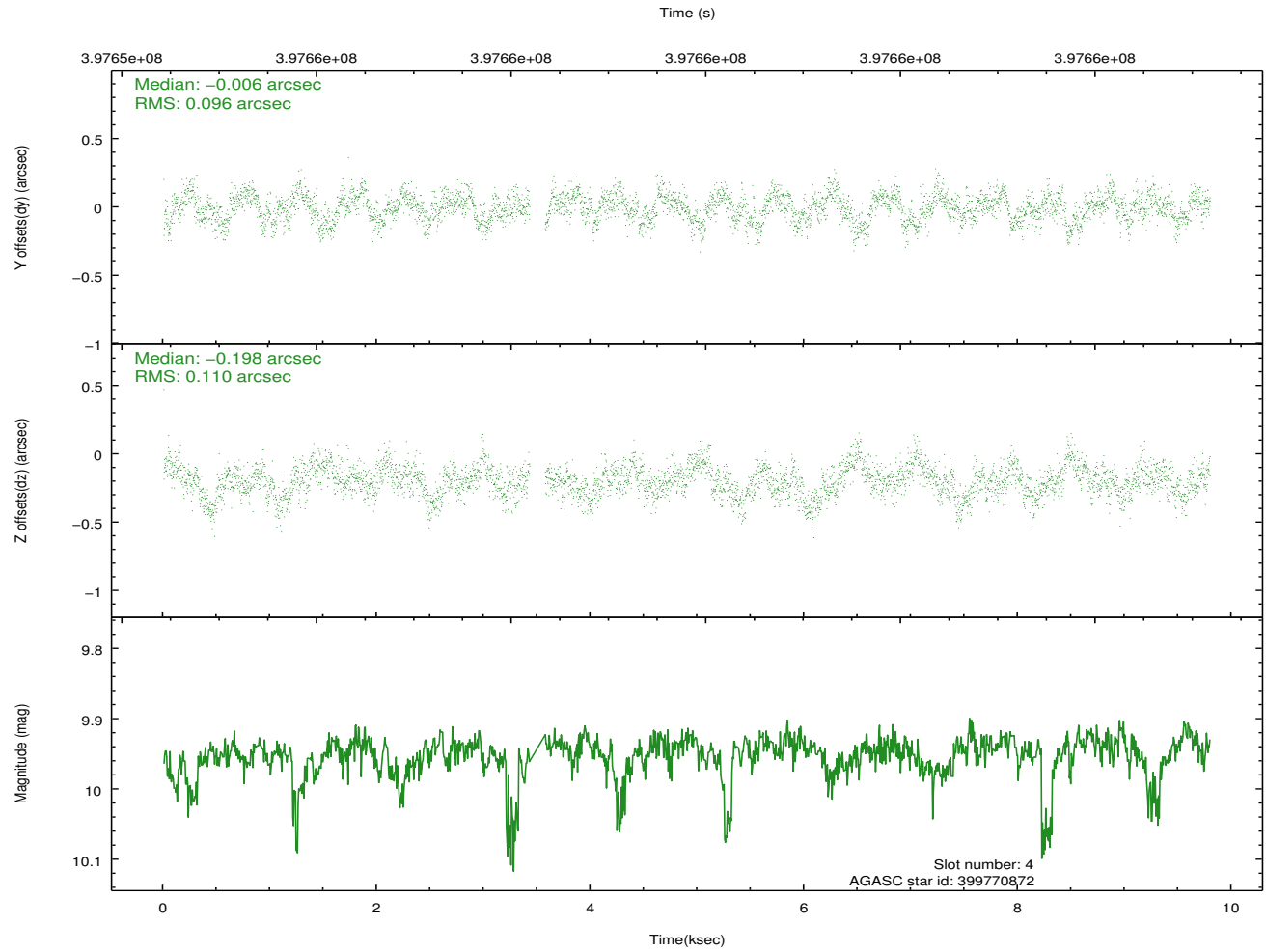
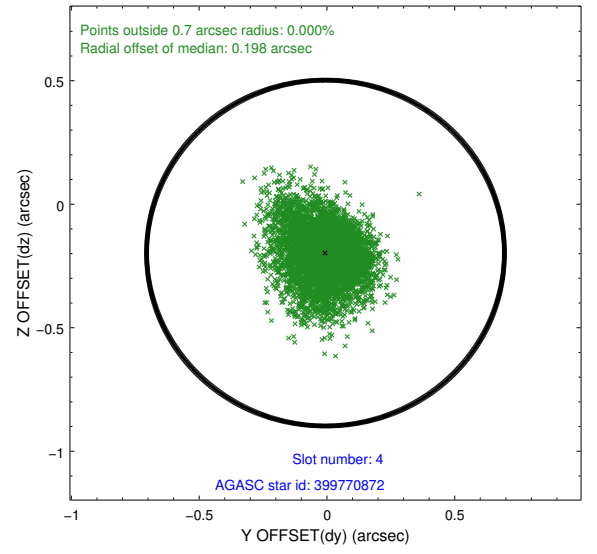
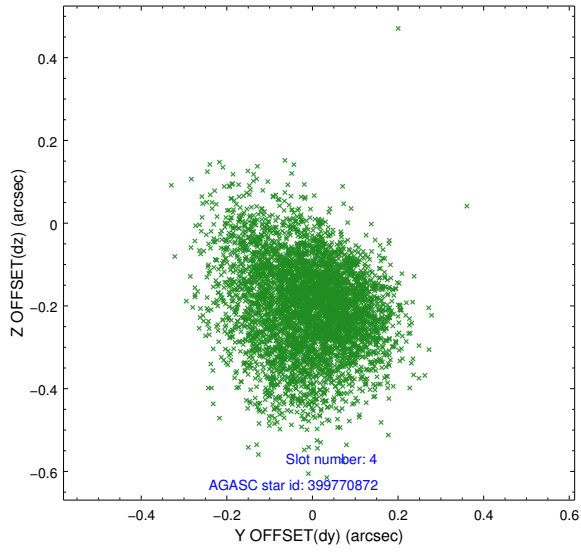
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.03	2390	0.049	-0.002	0.012	0.018	0.000000	0.000000	930.00	-1731.22
1	FID	ACIS-S-4	7.03	2390	0.120	-0.019	0.011	0.017	0.000000	0.000000	2147.76	172.37
2	FID	ACIS-S-5	7.06	2390	-0.196	0.032	0.007	0.012	0.000000	0.000000	-1818.43	166.61
3	GUIDE	399646720	8.33	4779	0.008	-0.072	0.064	0.105	222.408325	44.882206	-1001.88	-1642.69
4	GUIDE	399770872	9.95	4699	-0.006	-0.198	0.153	0.255	223.935697	44.759376	-1126.98	2280.59
5	GUIDE	399771088	9.56	4775	-0.068	0.050	0.118	0.189	223.890258	44.899030	-1606.41	2089.74
6	GUIDE	455349200	9.55	4775	-0.005	0.151	0.146	0.243	222.937781	45.172497	-2223.90	-452.81
7	GUIDE	455353728	9.91	4771	0.074	0.067	0.144	0.233	222.632961	45.192912	-2187.79	-1229.79

2.4 Star Slots

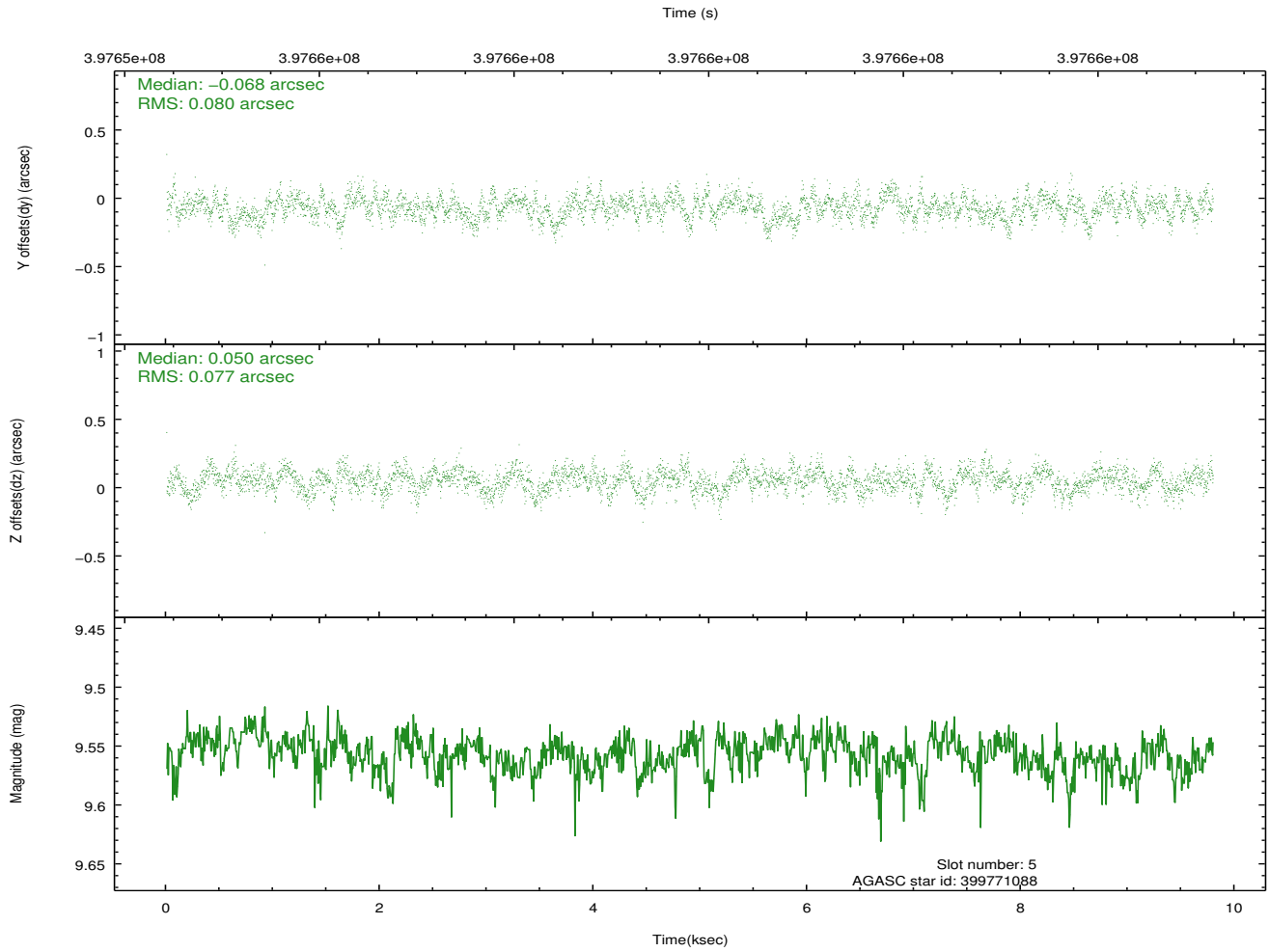
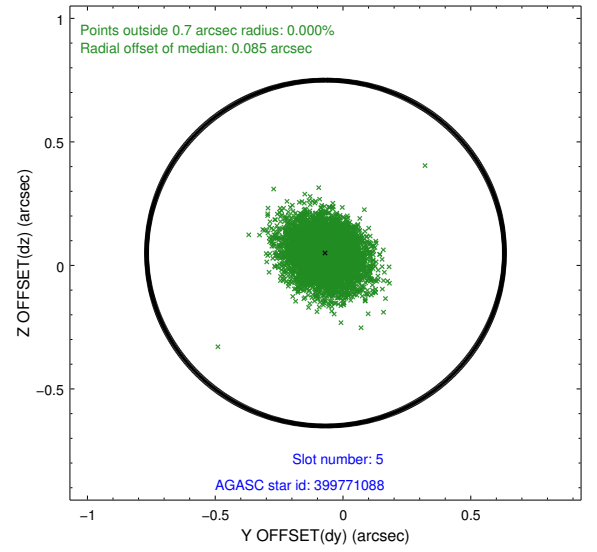
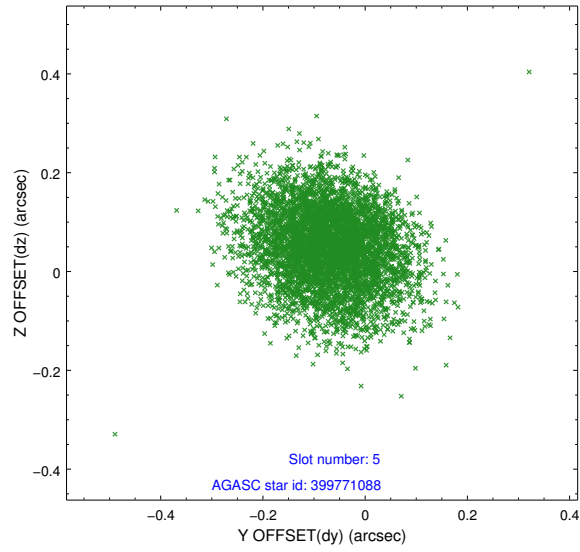
2.4.1 Slot 3



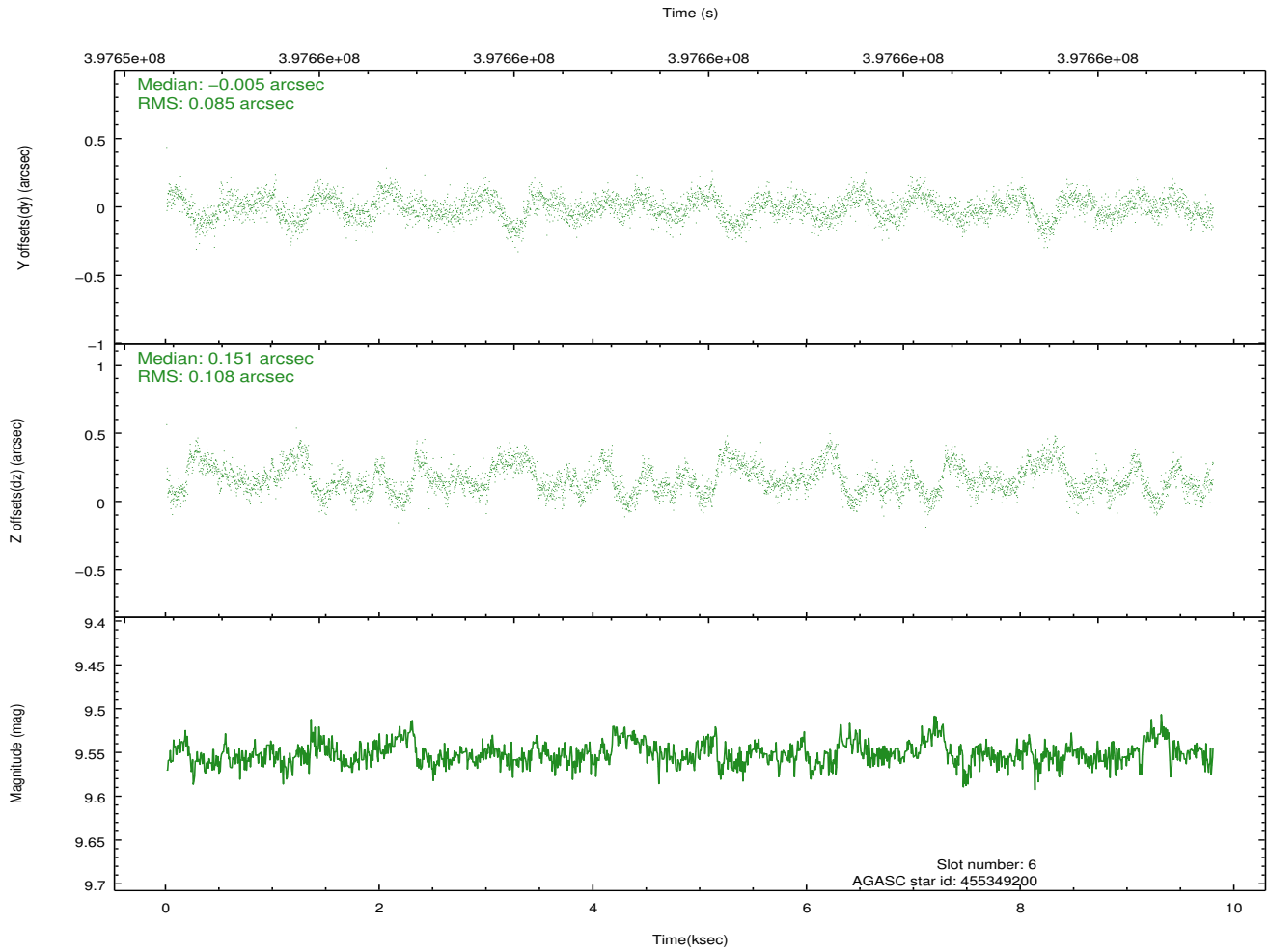
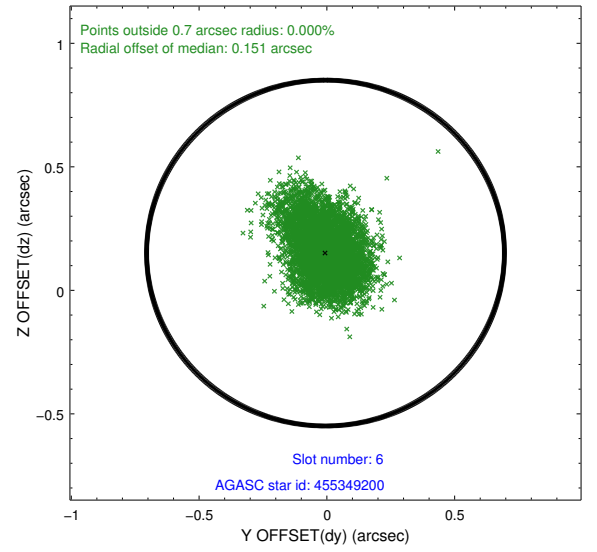
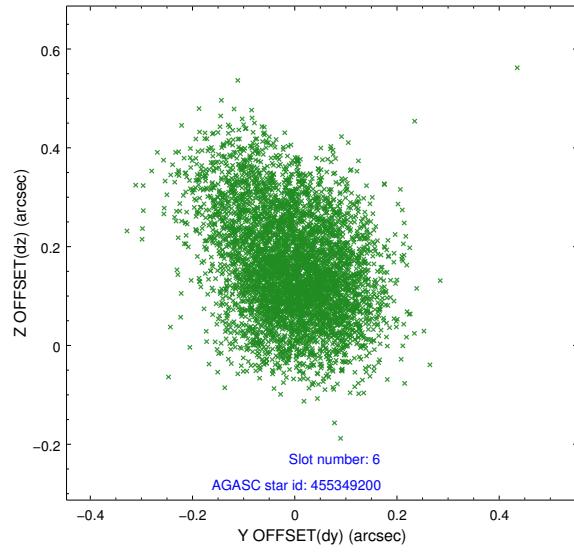
2.4.2 Slot 4



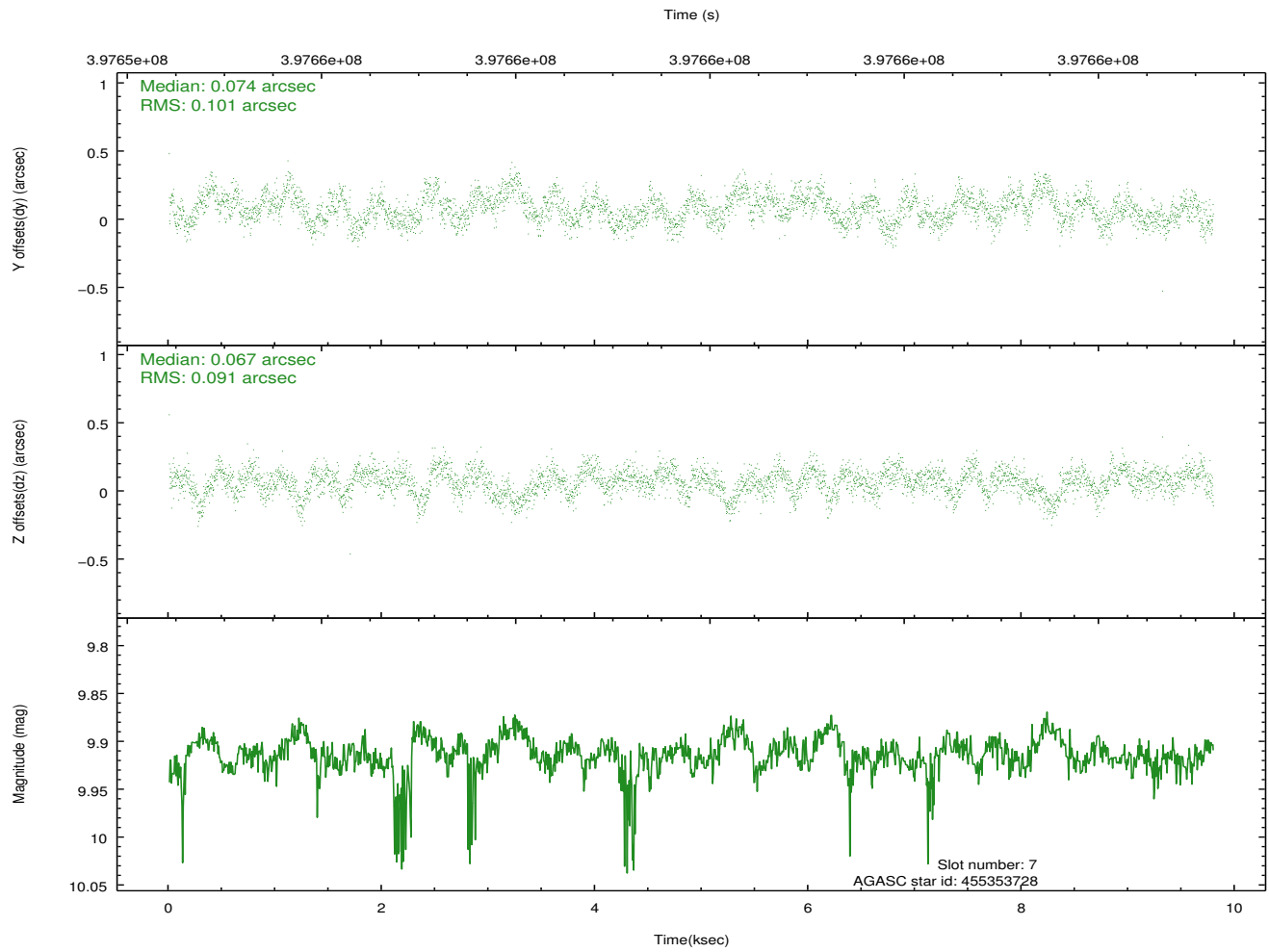
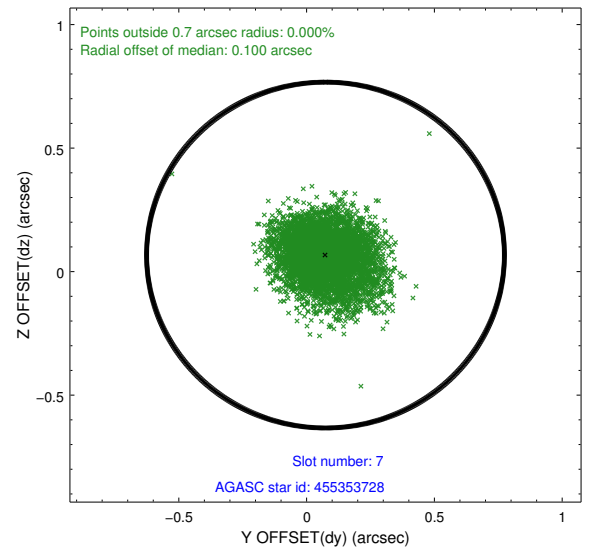
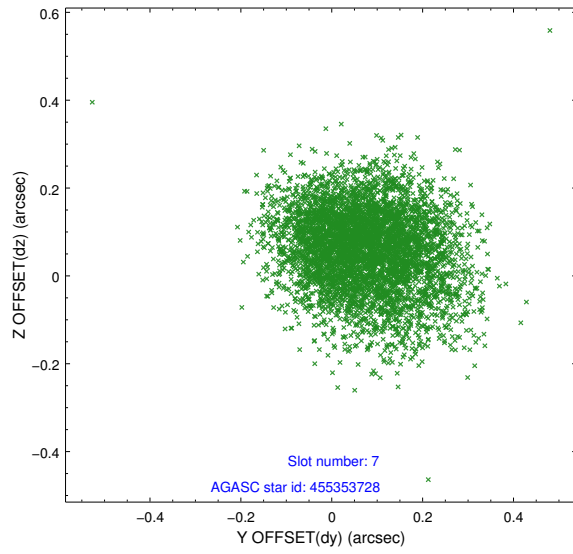
2.4.3 Slot 5



2.4.4 Slot 6

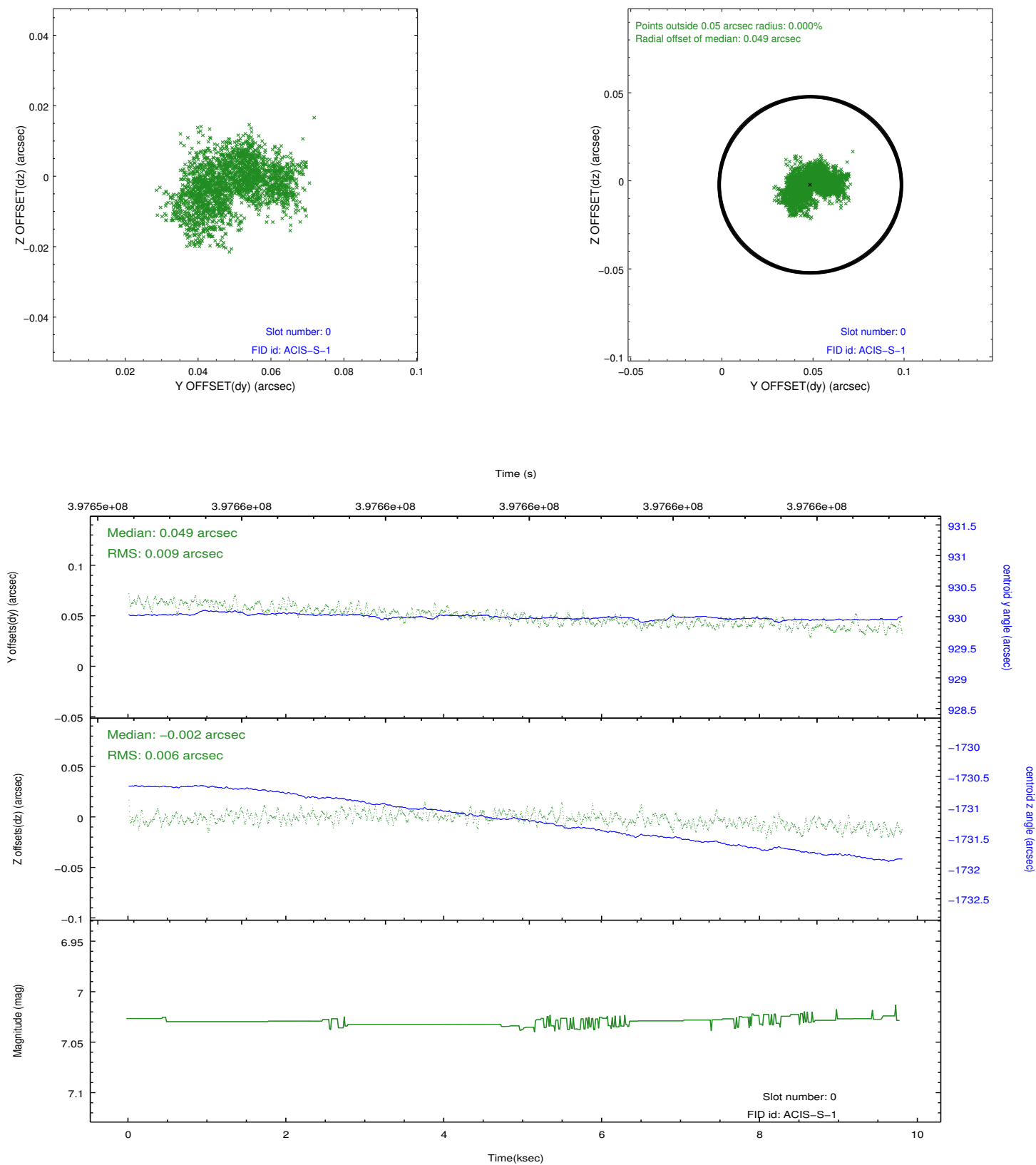


2.4.5 Slot 7

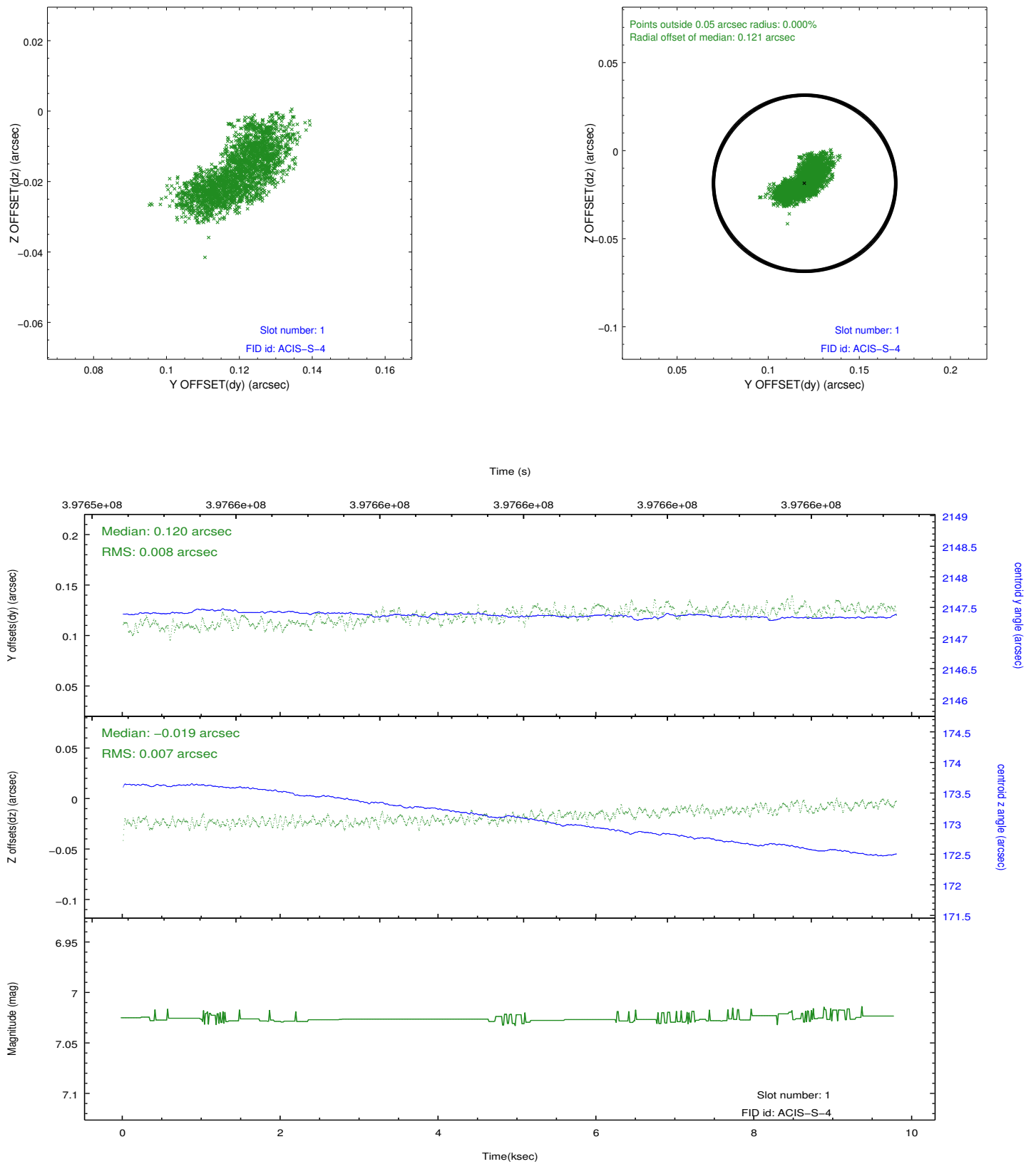


2.5 FID Slots

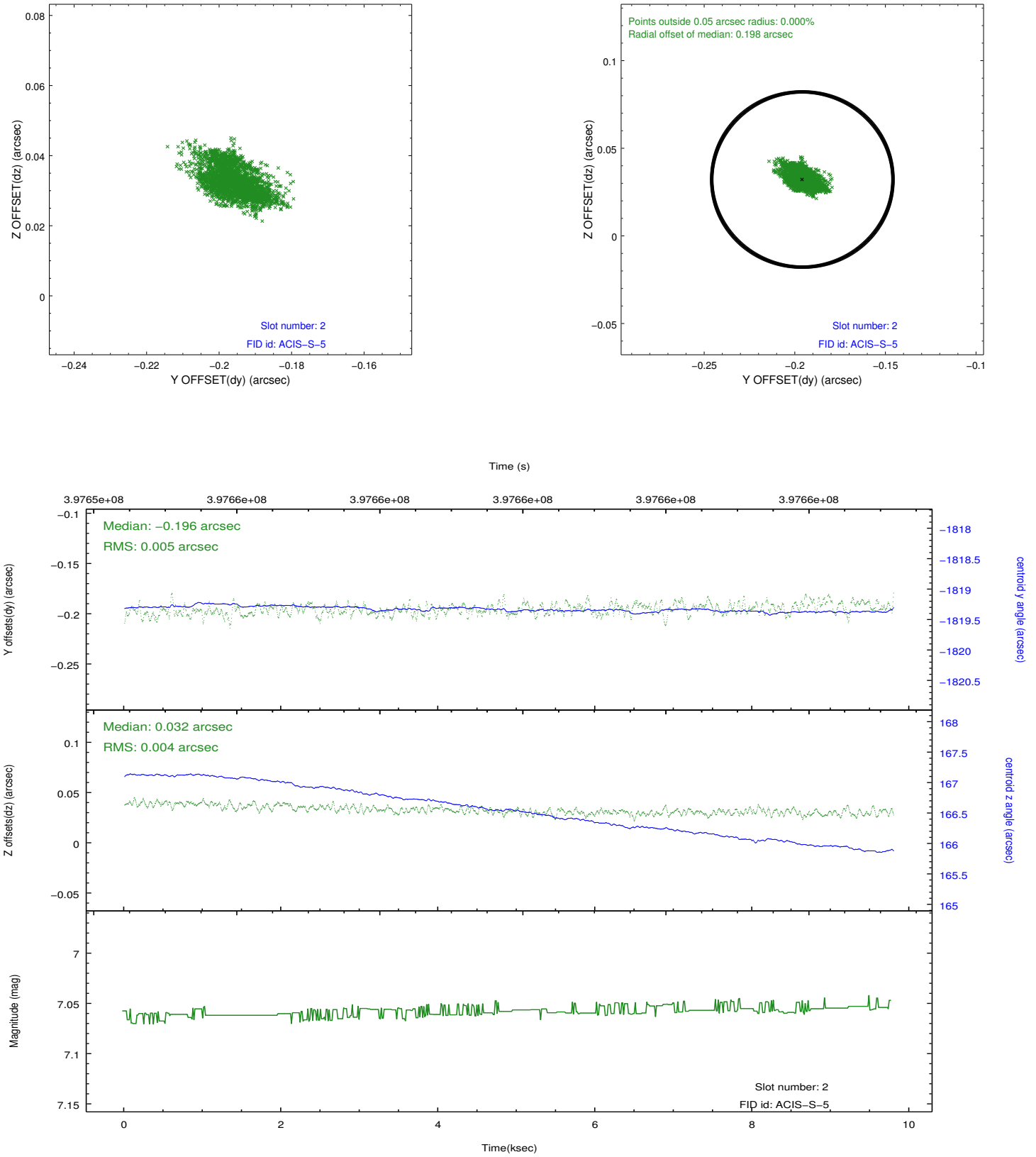
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.6334710173011

A.2 Comments