

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11360 - L2 Version 2
Chandra X-Ray Center

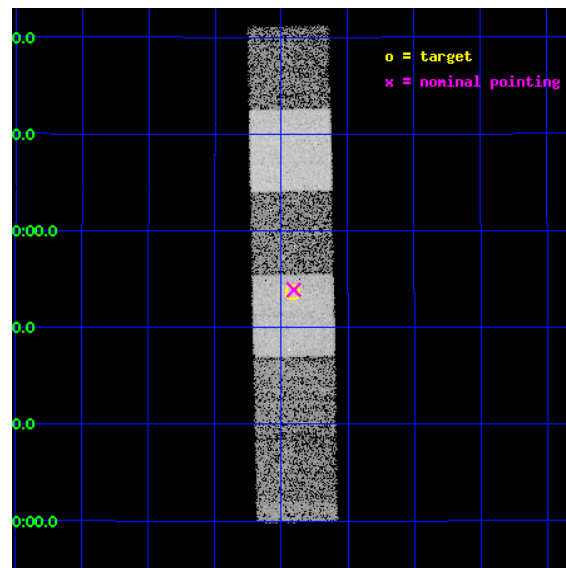
L2 Processing Date : Jun 20 2012

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1 Front

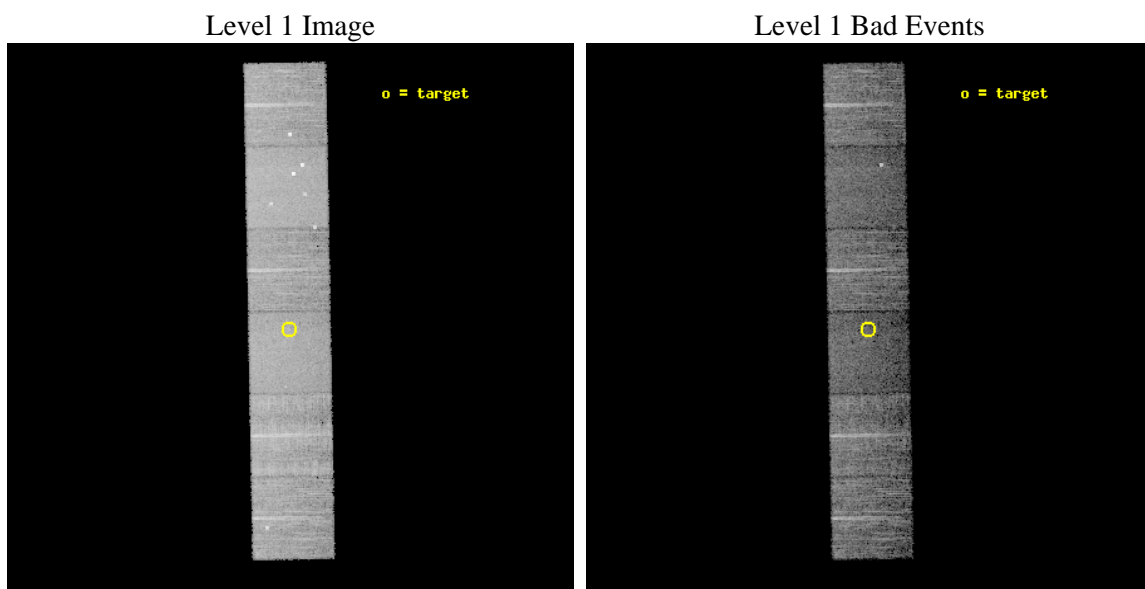
seq_num	600879	Sequence number
obs_id	11360	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	NGC3193	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.604	Observer's specified target RA [deg]
dec_targ	21.89397	Observer's specified target Dec [deg]
ra_nom	154.60137913394	Nominal RA [deg]
dec_nom	21.898238979967	Nominal Dec [deg]
roll_nom	88.927575921174	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7237.7254800797	Sum of GTIs [s]
livetime	7146.0770420158	Livetime [s]
ontime4	7237.766520083	Sum of GTIs [s]
ontime5	7237.68444400764	Sum of GTIs [s]
ontime6	7237.6434000731	Sum of GTIs [s]
ontime7	7237.7254800797	Sum of GTIs [s]
ontime8	7237.6023600698	Sum of GTIs [s]
ontime9	7234.3203096986	Sum of GTIs [s]
l2events	96095	Number of level 2 events



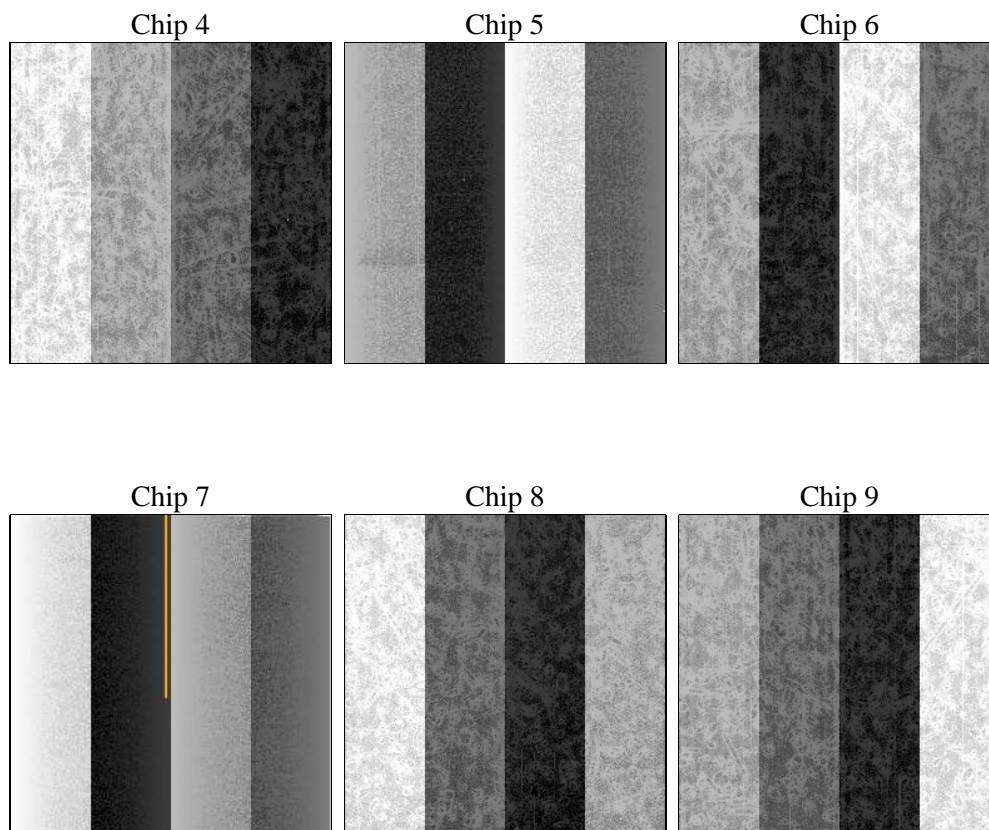
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7237.7254800797	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	7237.766520083	Sum of GTIs [s]
date	2012-06-20T11:41:25	Date and time of file creation	ontime5	7237.6844400764	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7237.6434000731	Sum of GTIs [s]
			ontime7	7237.7254800797	Sum of GTIs [s]
			ontime8	7237.6023600698	Sum of GTIs [s]
			ontime9	7234.3203096986	Sum of GTIs [s]
			l1events	437352	Number of level 1 events

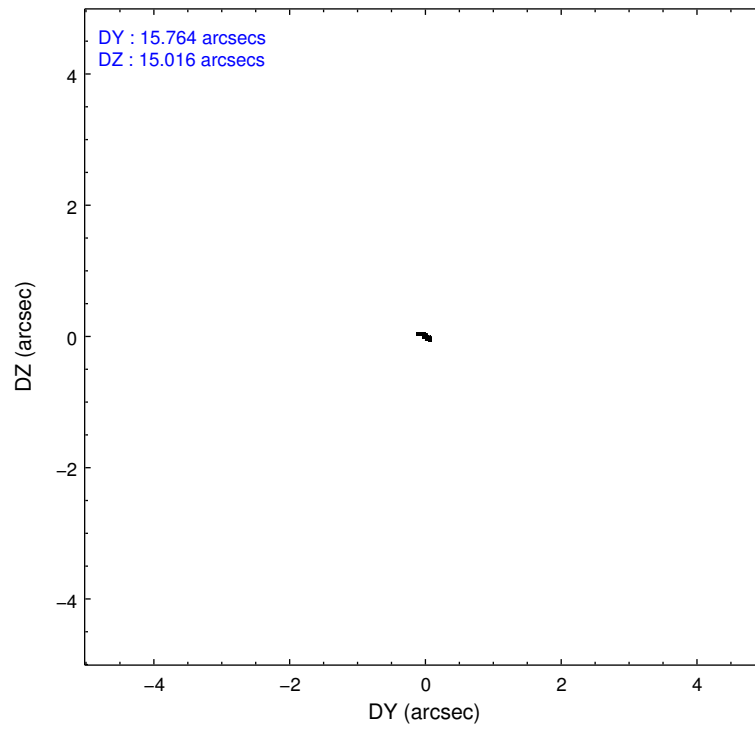
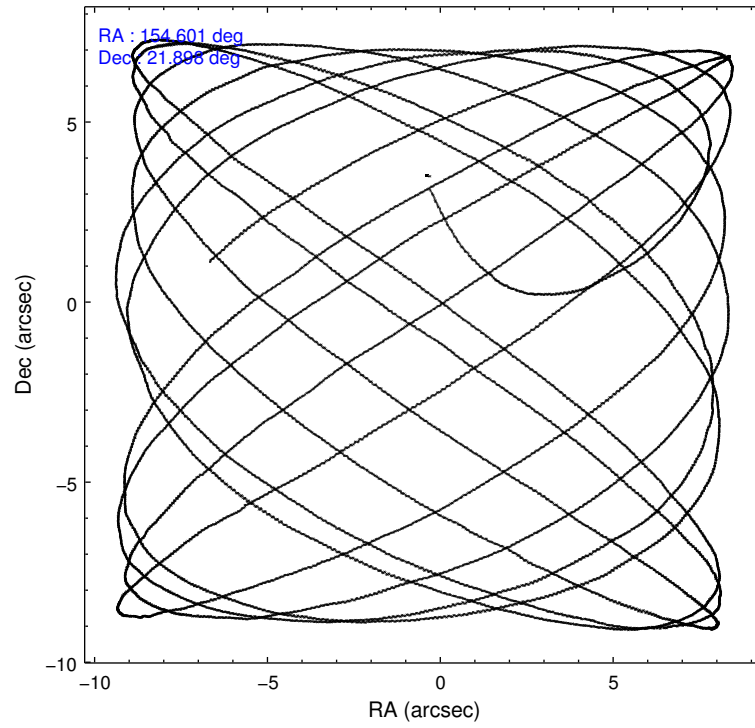
2.1.4 Events

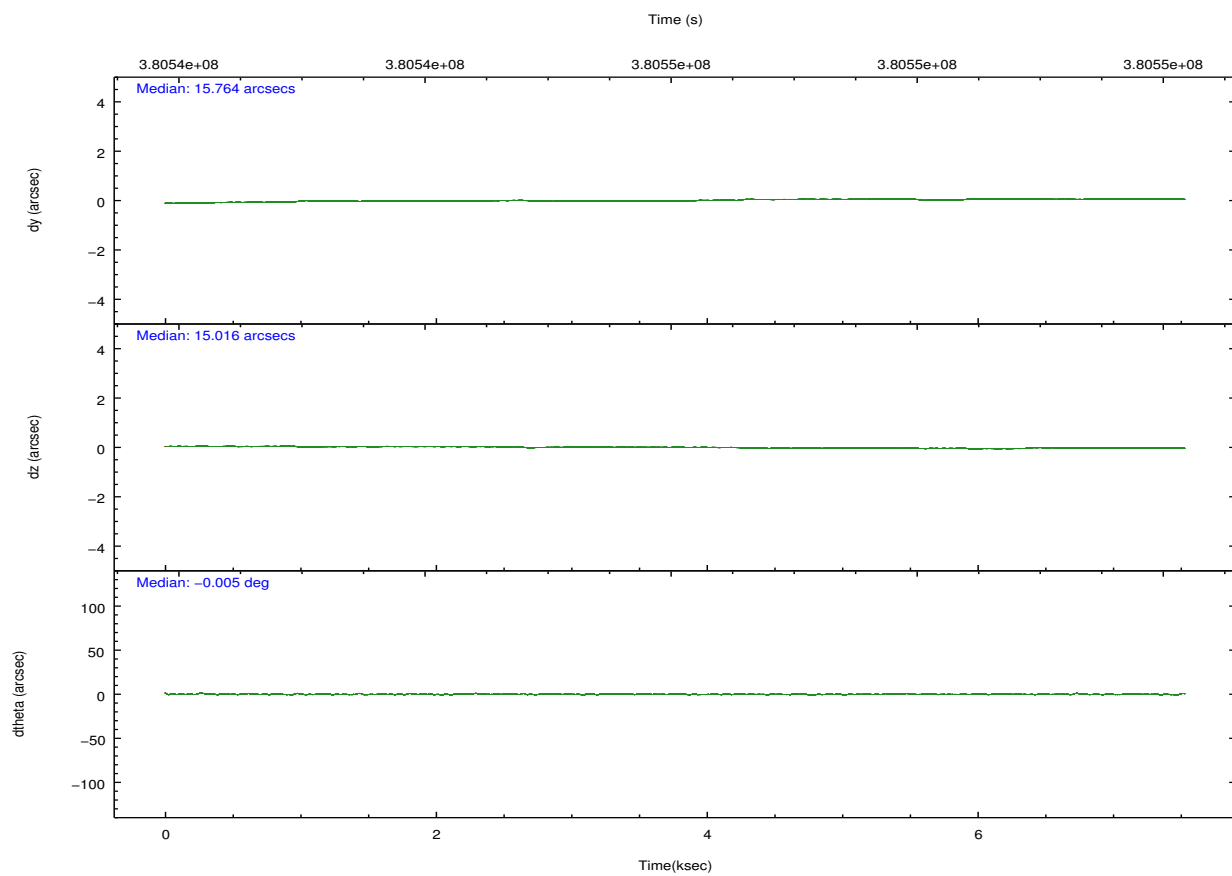
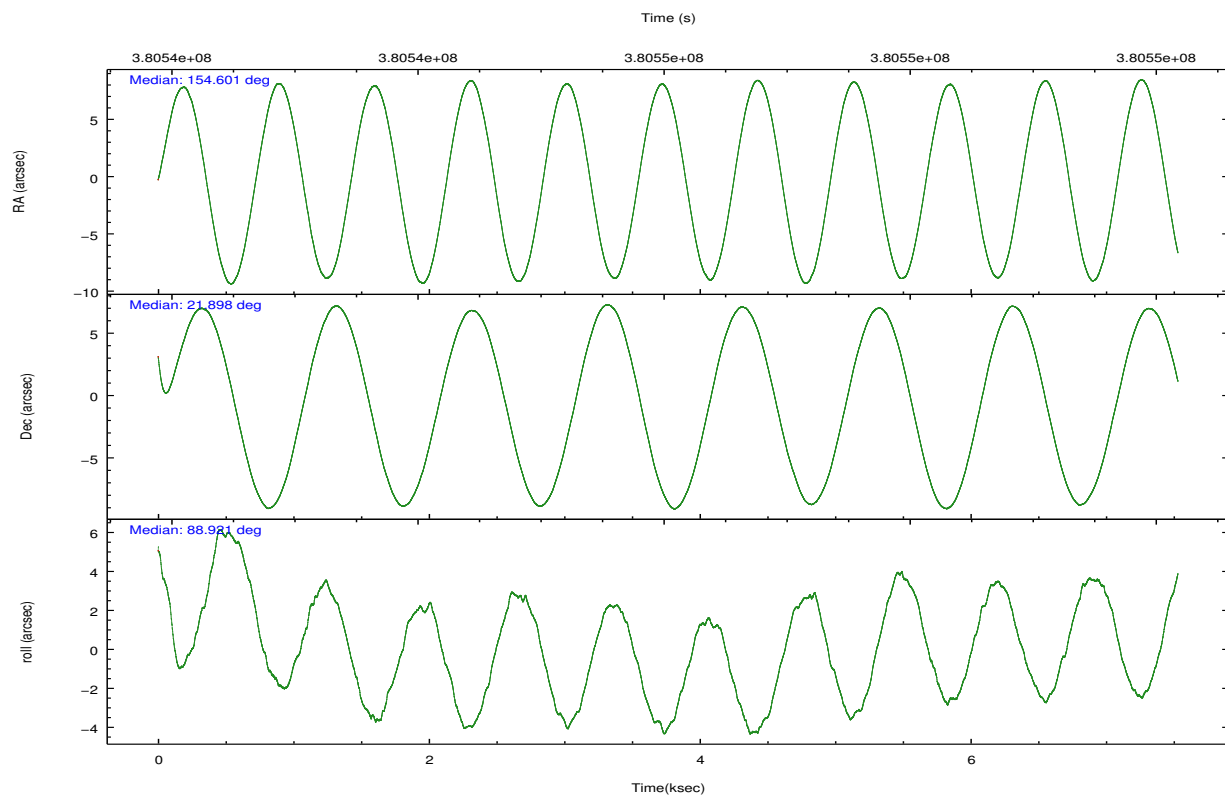
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	70842	91230	63055	71507	79203	61515	grade 0 events	3888	6074	2464	3108	5676	3309
rejected events	62634	45228	56341	39051	59405	53939		5%	6%	3%	4%	7%	5%
rejected %	88%	49%	89%	54%	75%	87%	grade 1 events	79	231	40	98	66	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1705	13699	1472	6745	4741	1477
								2%	15%	2%	9%	5%	2%
							grade 3 events	736	1726	679	2975	2076	719
								1%	1%	1%	4%	2%	1%
							grade 4 events	681	1628	698	2849	1917	694
								0%	1%	1%	3%	2%	1%
							grade 5 events	2579	7048	2598	7267	3785	2859
								3%	7%	4%	10%	4%	4%
							grade 6 events	1206	22908	1407	16809	5398	1383
								1%	25%	2%	23%	6%	2%
							grade 7 events	59968	37916	53697	31656	55544	51027
								84%	41%	85%	44%	70%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	154.615943	154.6013791339417	CCD I2 on	N	N
[deg] Pointing Dec	21.874397	21.89823897996714	CCD I3 on	N	N
[deg] Pointing Roll	88.765515	88.9275759211743	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	380542599.184000	380541521.6053	CCD S5 on	O2	Y
Observation start date	2010-01-22T10:15:33	2010-01-22T09:58:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	380549799.184000	380550363.25574	On-chip summing requested	N	N
Observation end date	2010-01-22T12:15:33	2010-01-22T12:26:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



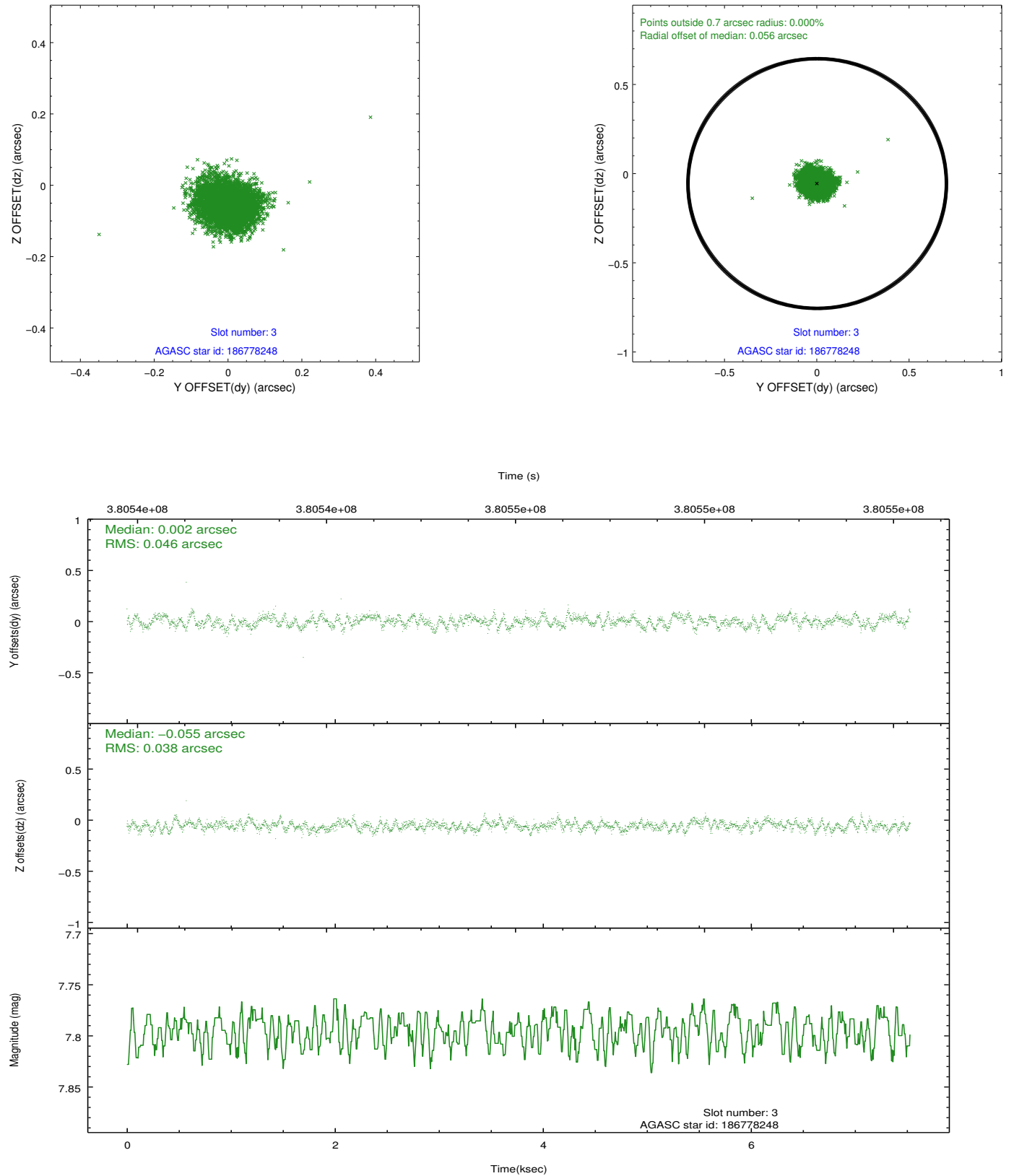


Slot Statistics

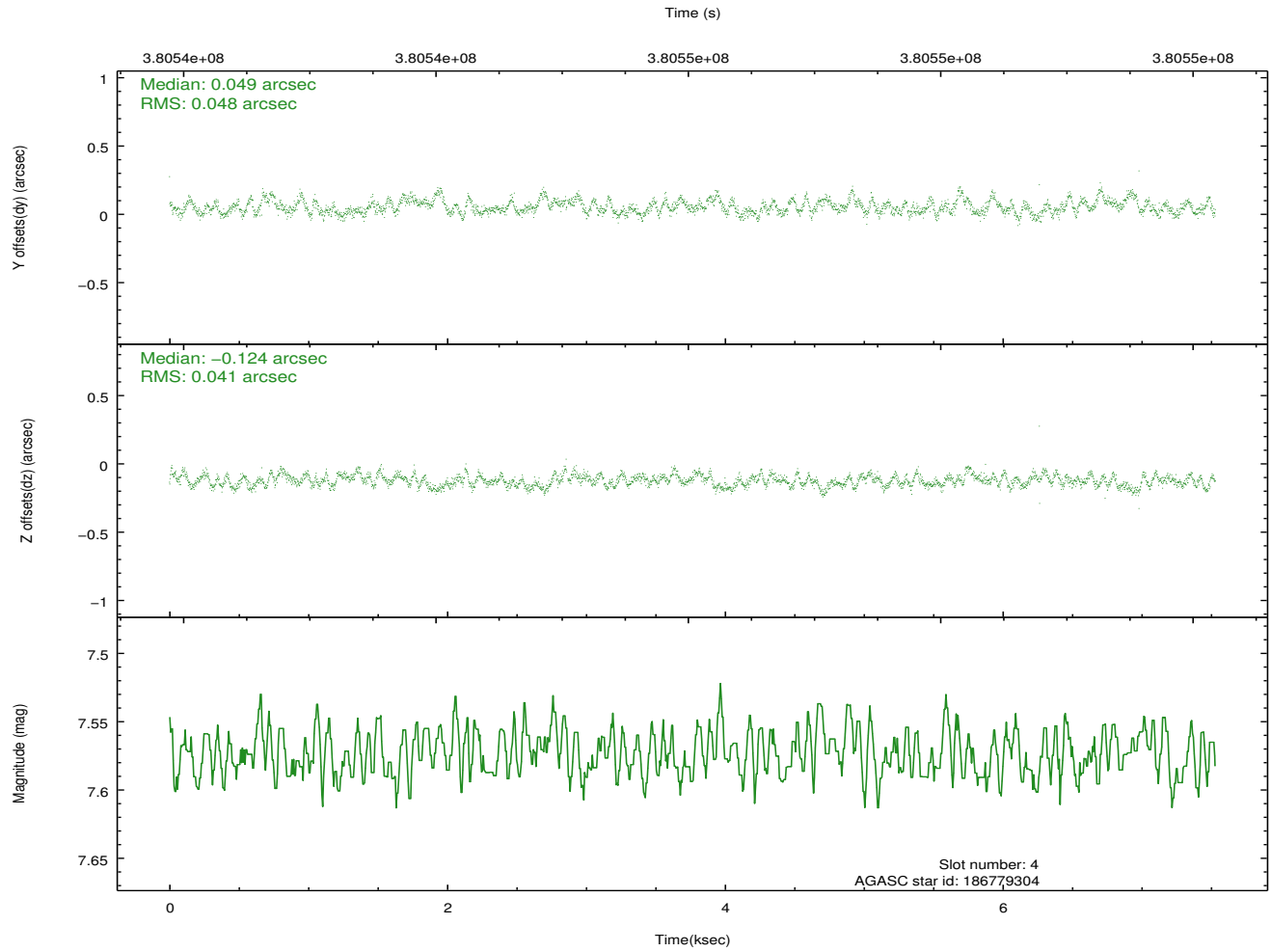
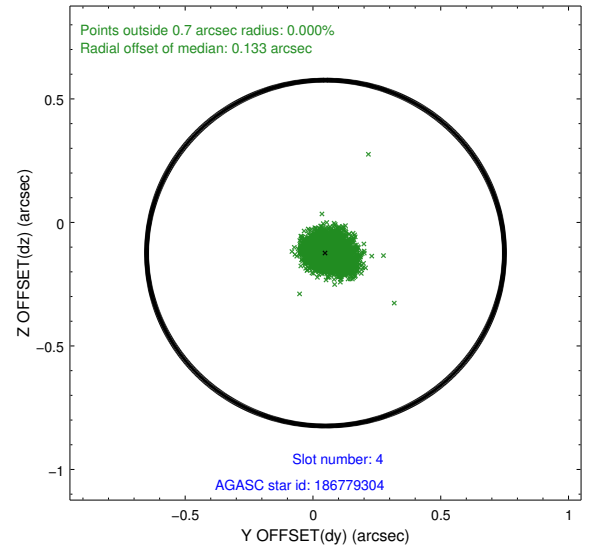
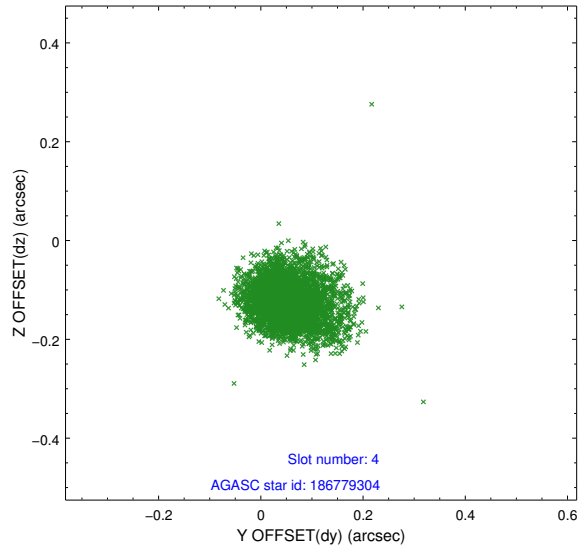
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1837	-0.092	-0.010	0.006	0.010	0.000000	0.000000	-768.83	-1736.36
1	FID	ACIS-S-4	7.01	1837	0.156	0.047	0.006	0.010	0.000000	0.000000	2144.32	171.43
2	FID	ACIS-S-5	7.04	1836	-0.095	-0.029	0.007	0.011	0.000000	0.000000	-1820.73	165.84
3	GUIDE	186778248	7.79	3674	0.002	-0.055	0.063	0.098	154.251642	21.913046	113.77	1219.19
4	GUIDE	186779304	7.57	3667	0.049	-0.124	0.065	0.110	154.495566	21.968561	330.09	409.61
5	GUIDE	186784080	8.44	3673	0.171	-0.190	0.071	0.119	153.932216	21.529554	-1286.15	2262.99
6	GUIDE	186910488	7.33	3674	-0.233	0.163	0.061	0.106	155.064237	22.011425	526.99	-1484.18
7	GUIDE	258082040	8.22	3670	0.007	0.205	0.063	0.107	154.912014	22.506617	2297.59	-935.51

2.4 Star Slots

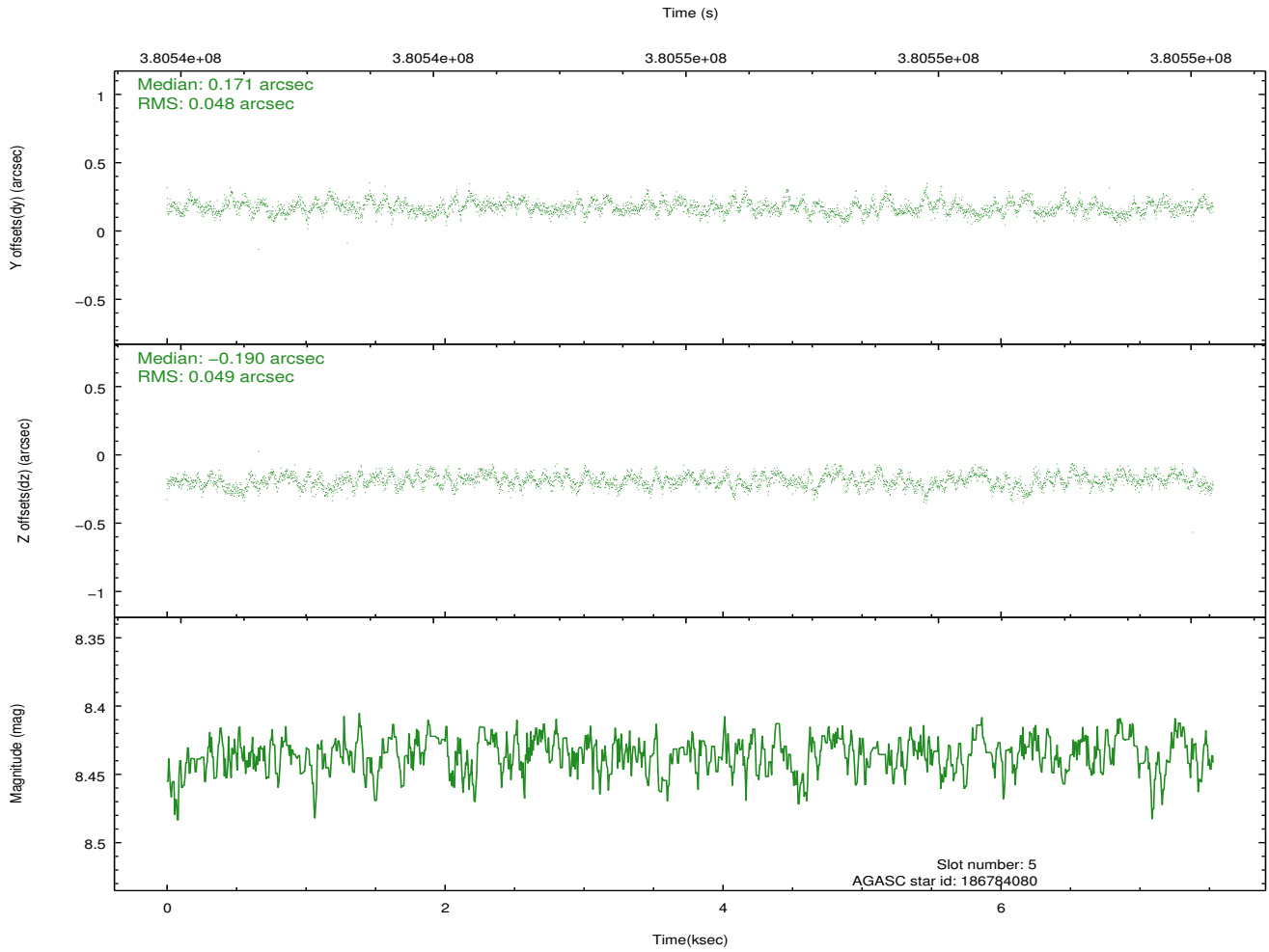
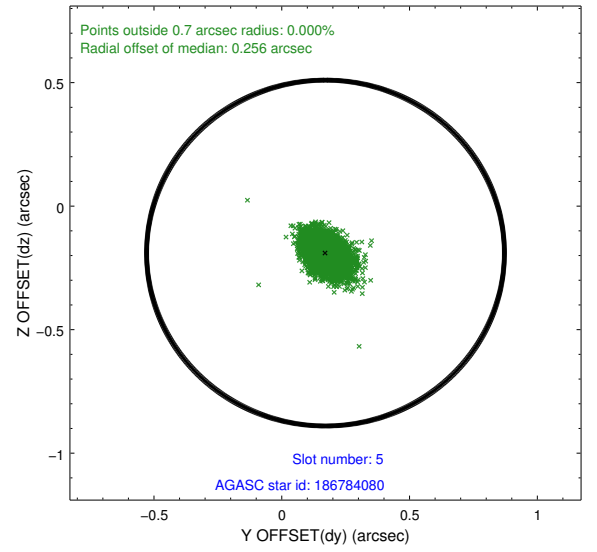
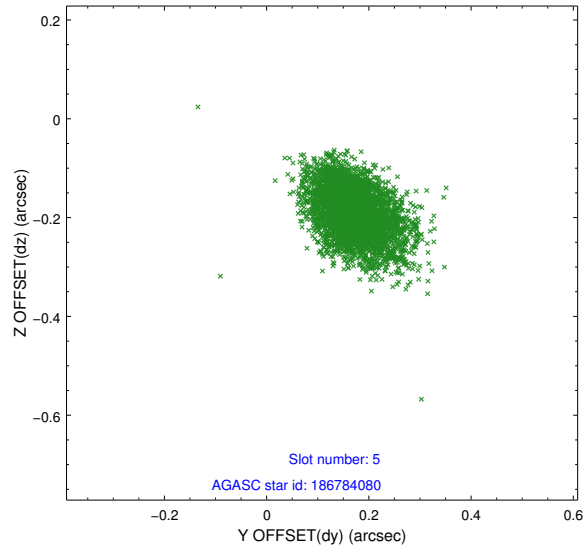
2.4.1 Slot 3



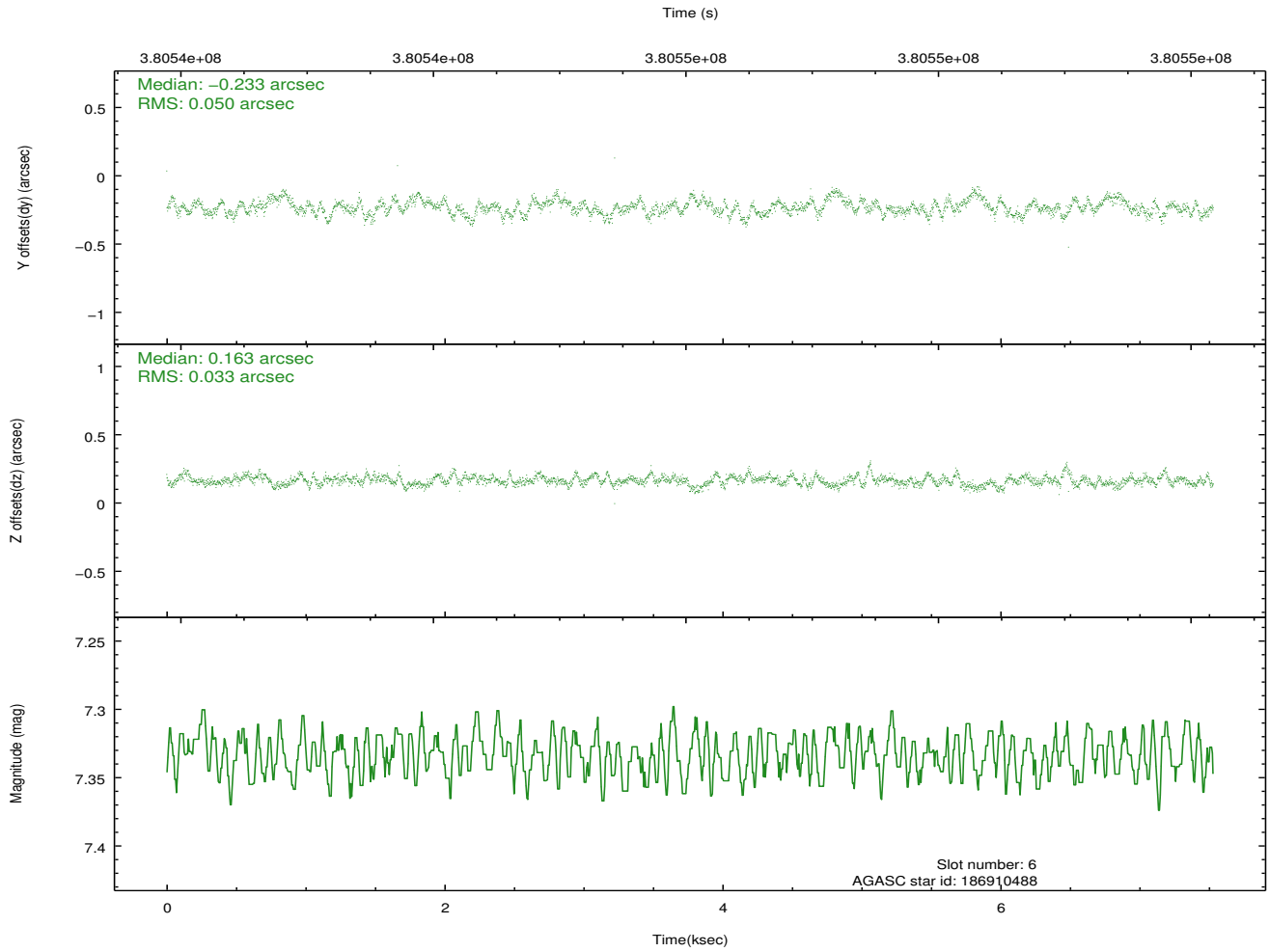
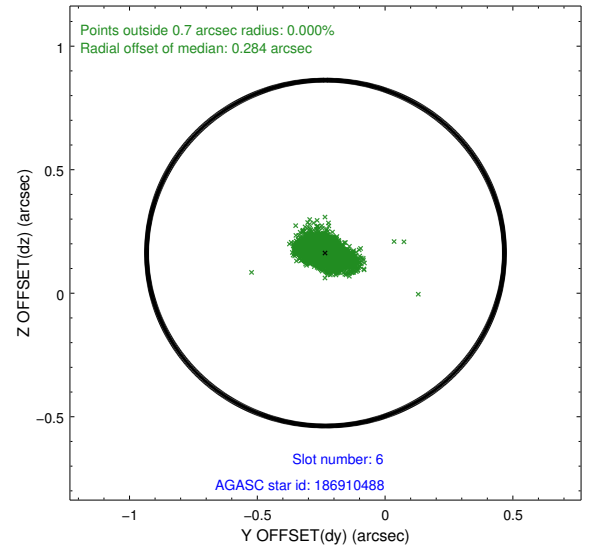
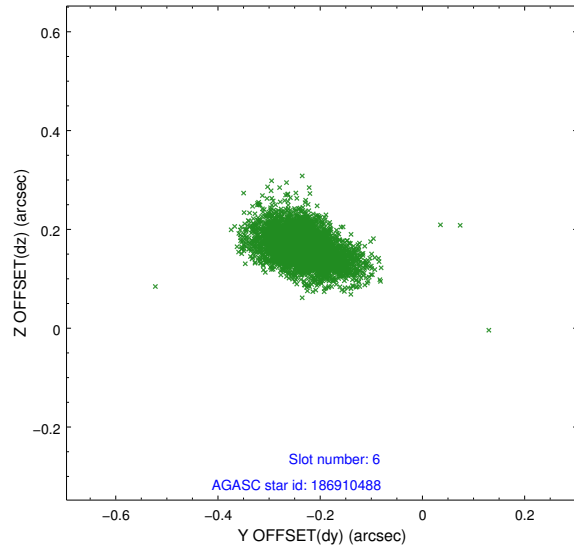
2.4.2 Slot 4



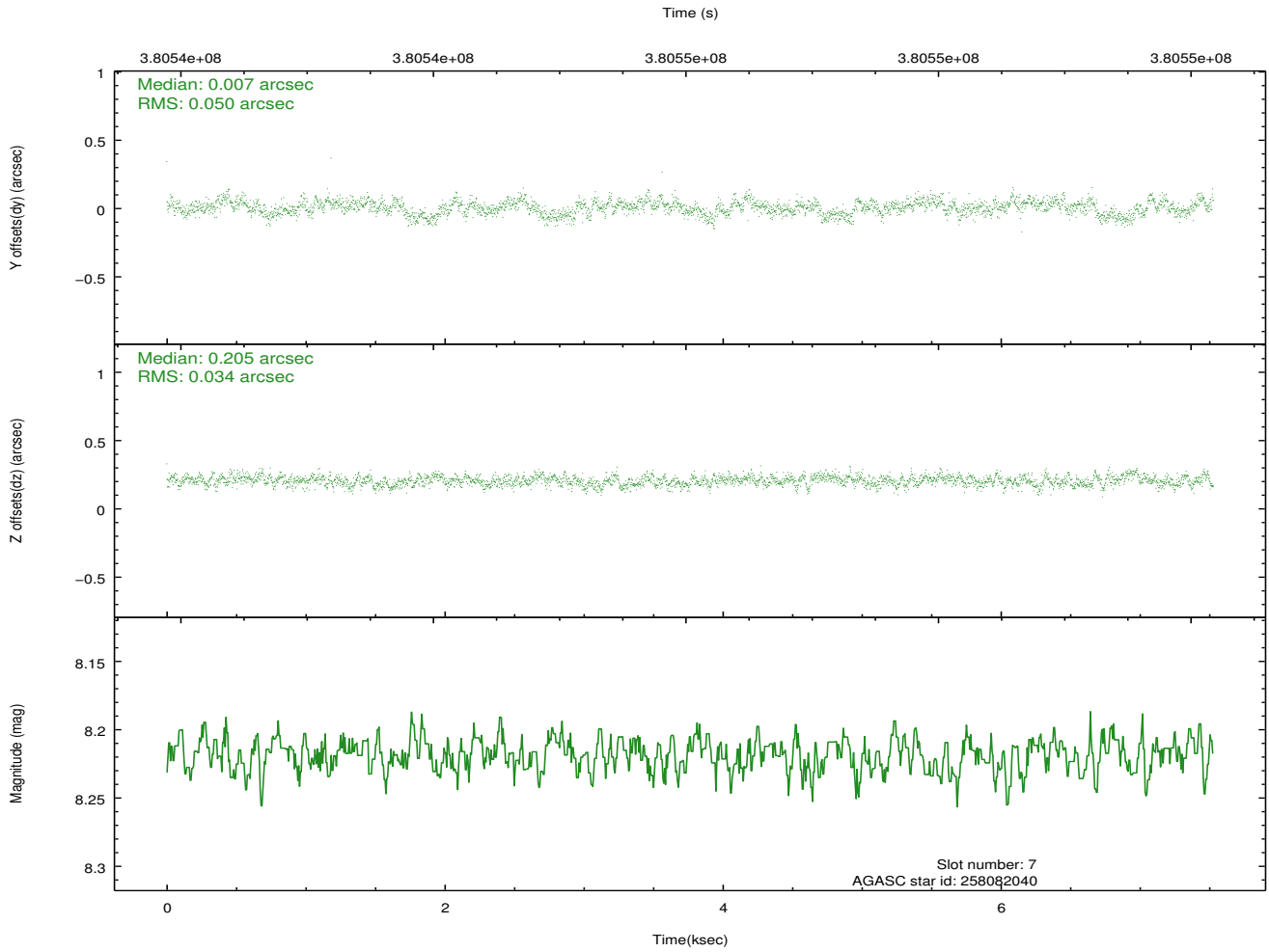
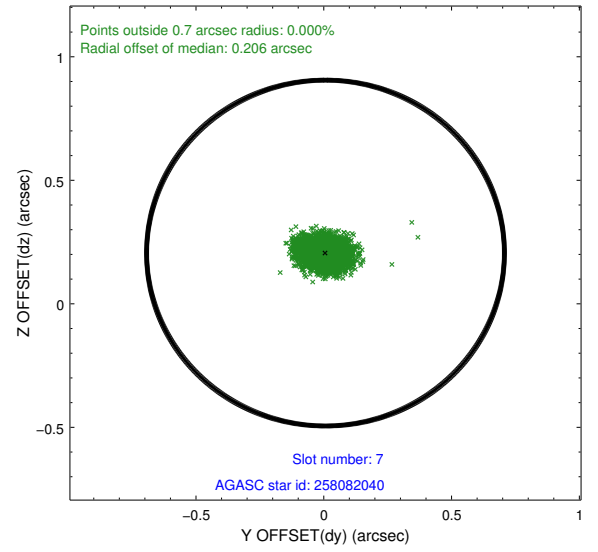
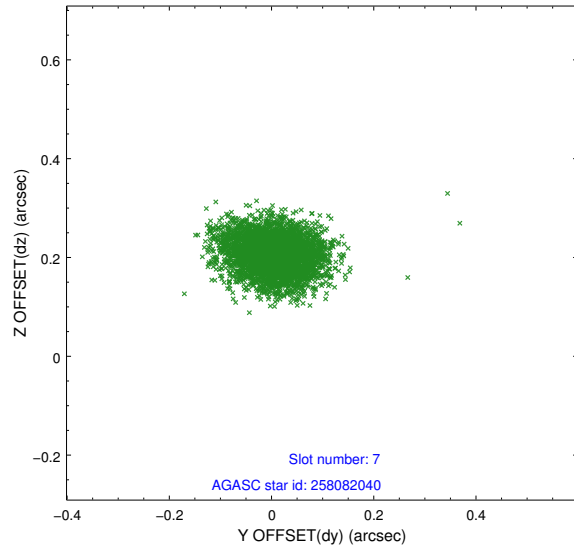
2.4.3 Slot 5



2.4.4 Slot 6

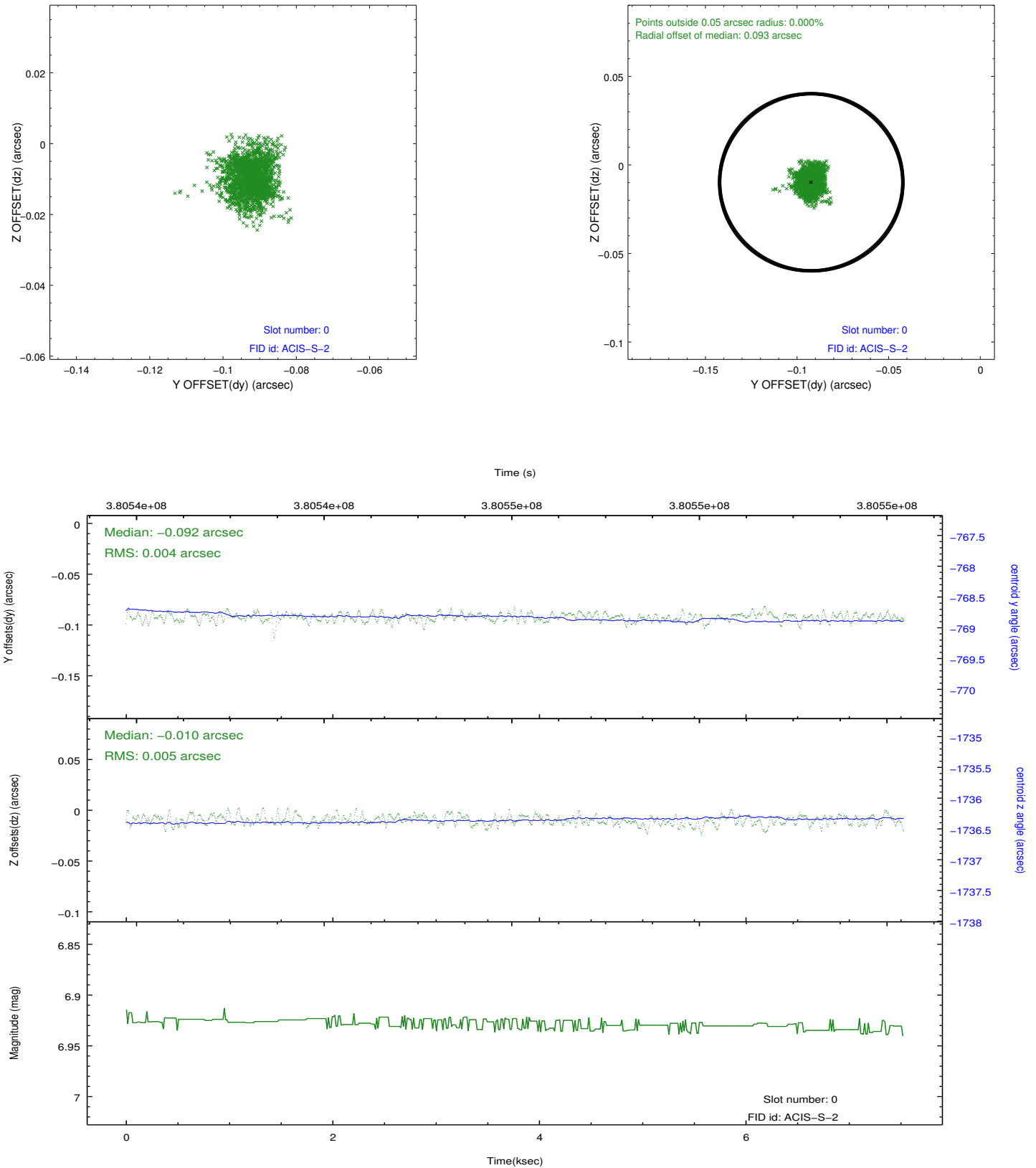


2.4.5 Slot 7

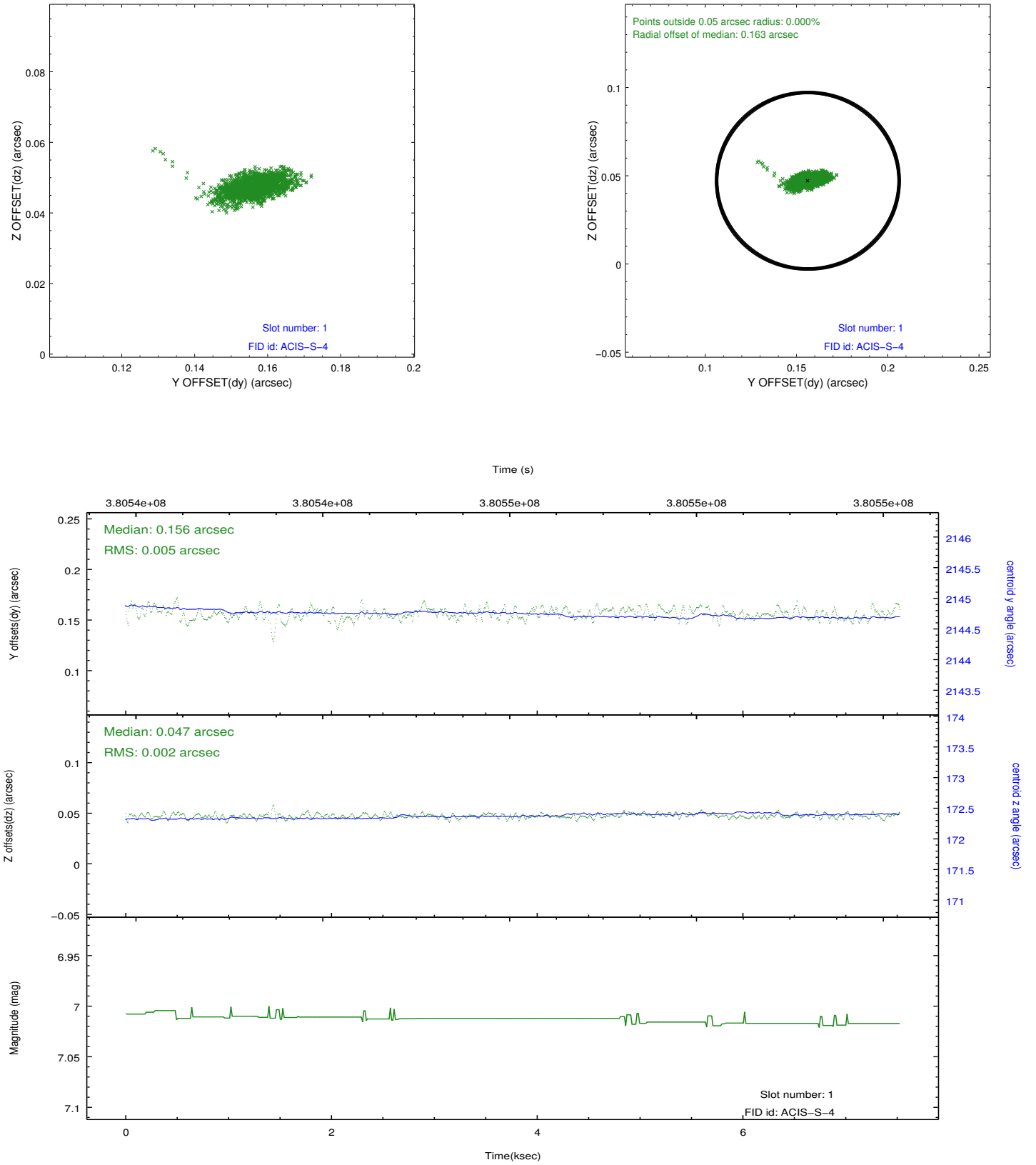


2.5 FID Slots

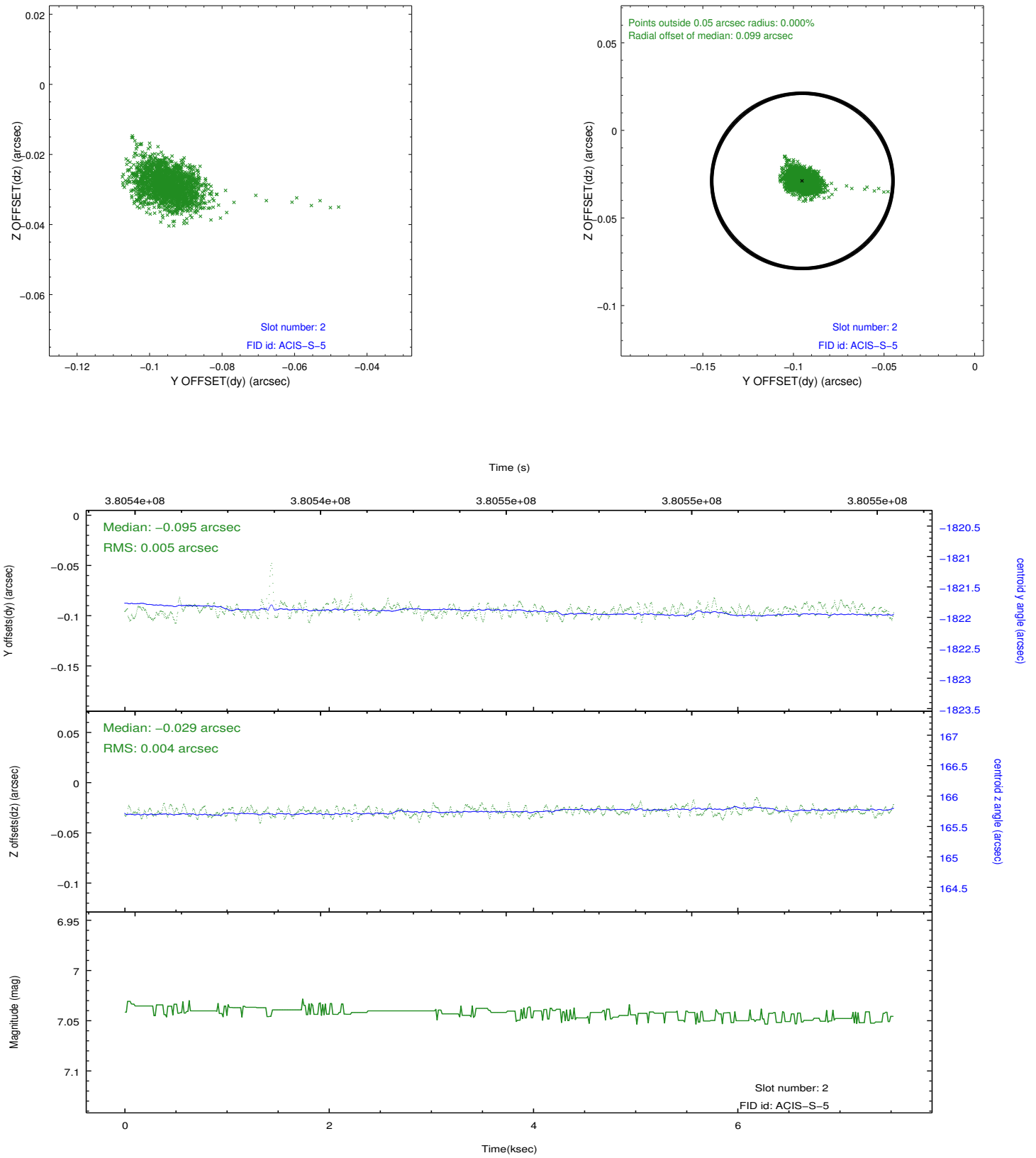
2.5.1 Slot 0



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)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2377254794836

A.2 Comments