

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11508 - L2 Version 2
Chandra X-Ray Center

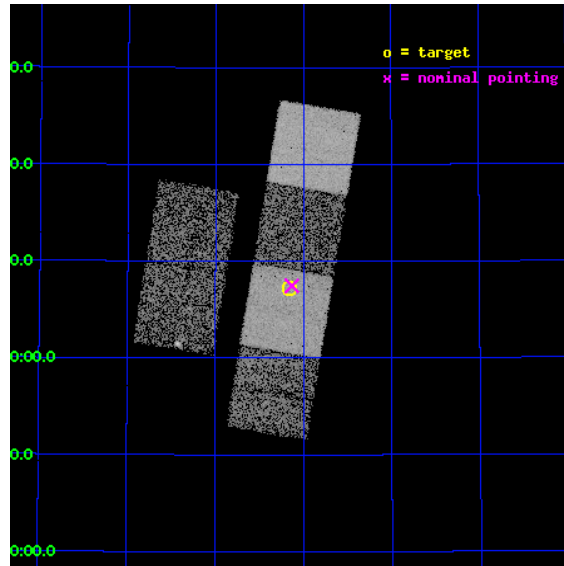
L2 Processing Date : Jun 18 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

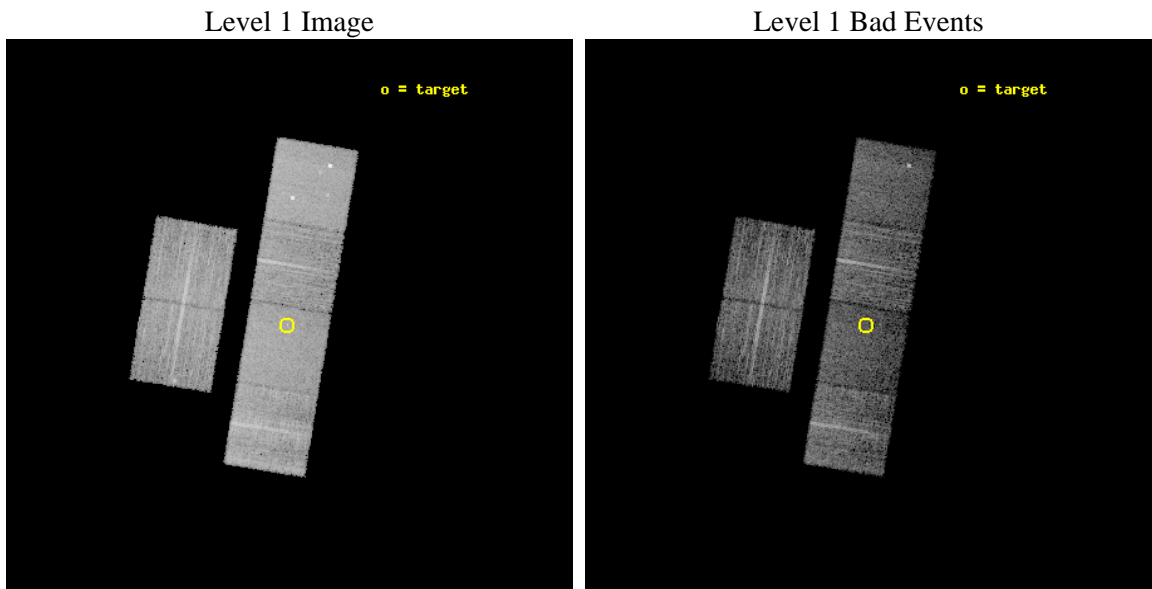
seq_num	702094	Sequence number
obs_id	11508	Observation id
title	Weak-line Quasars: Always X-ray Weak?	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	SDSS J094209.15+520714.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.538333	Observer's specified target RA [deg]
dec_targ	52.120806	Observer's specified target Dec [deg]
ra_nom	145.53304380393	Nominal RA [deg]
dec_nom	52.124475376503	Nominal Dec [deg]
roll_nom	99.445858343481	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5641.599979043	Sum of GTIs [s]
livetime	5570.1626431447	Livetime [s]
ontime2	5641.599979043	Sum of GTIs [s]
ontime3	5641.599979043	Sum of GTIs [s]
ontime5	5641.599979043	Sum of GTIs [s]
ontime6	5641.599979043	Sum of GTIs [s]
ontime7	5641.599979043	Sum of GTIs [s]
ontime8	5641.599979043	Sum of GTIs [s]
l2events	75393	Number of level 2 events



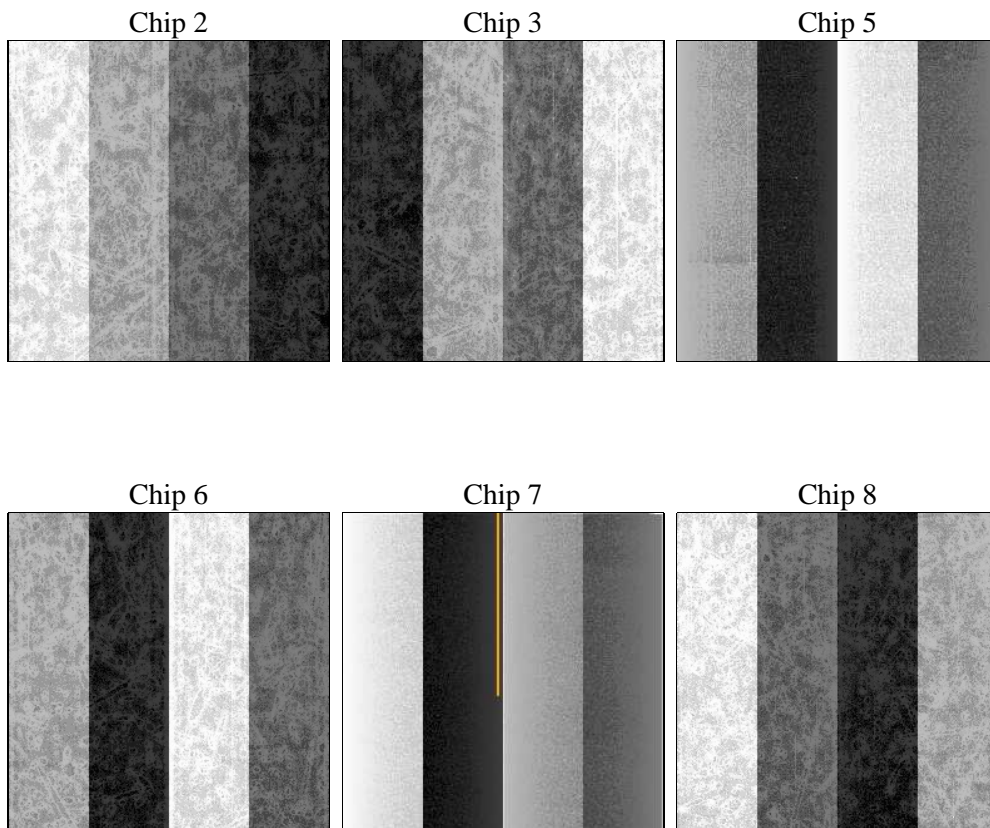
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5641.599979043	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	5641.599979043	Sum of GTIs [s]
date	2012-06-18T06:52:16	Date and time of file creation	ontime3	5641.599979043	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5641.599979043	Sum of GTIs [s]
			ontime6	5641.599979043	Sum of GTIs [s]
			ontime7	5641.599979043	Sum of GTIs [s]
			ontime8	5641.599979043	Sum of GTIs [s]
			l1events	338255	Number of level 1 events

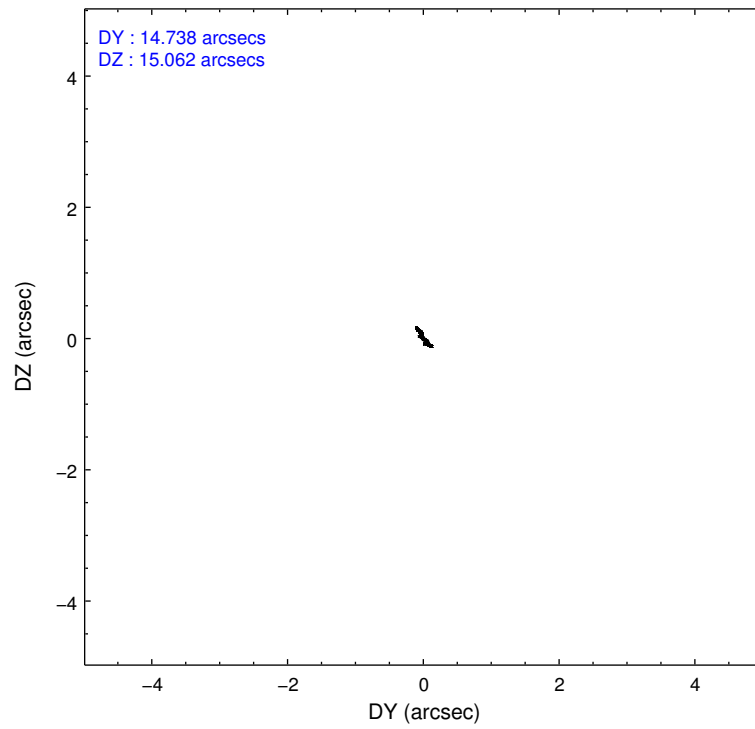
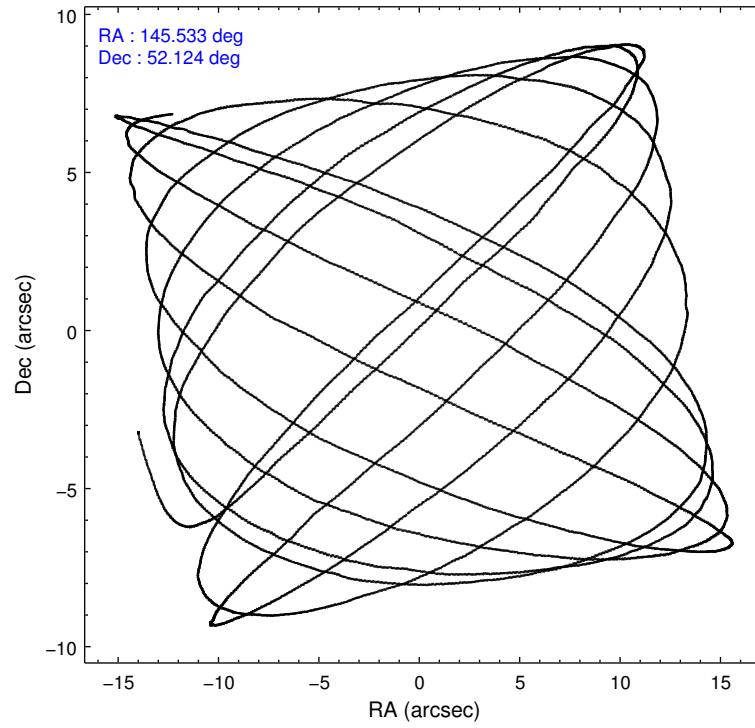
2.1.4 Events

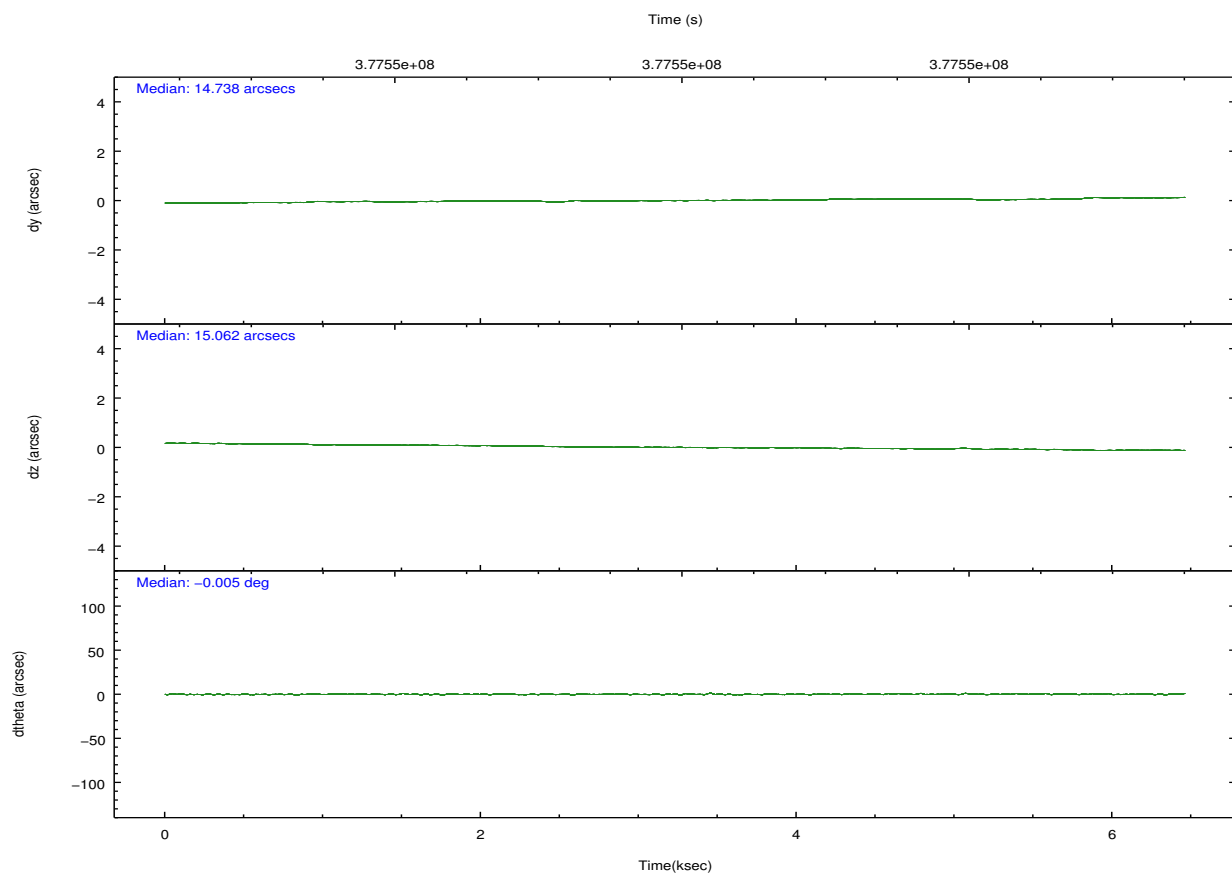
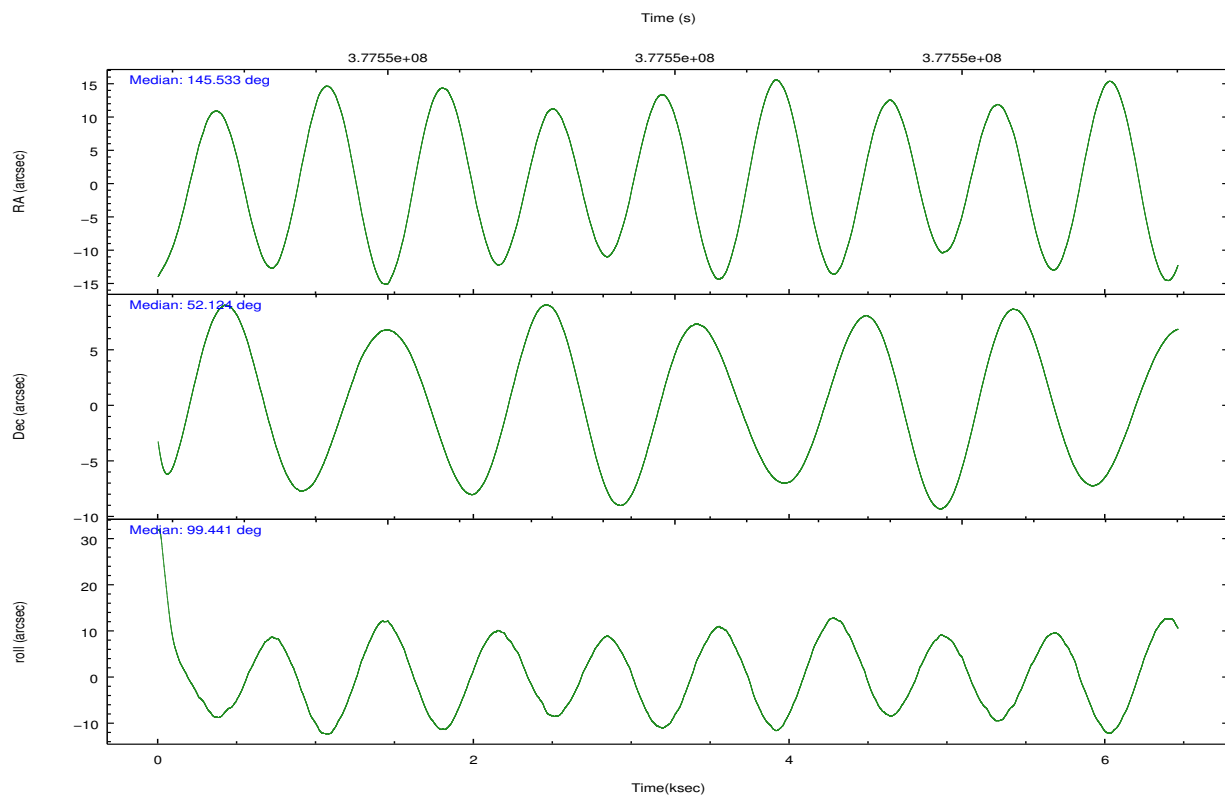
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51681	48195	71489	48155	56369	62366	grade 0 events	1781	1956	3372	1859	2392	5042
rejected events	46631	43252	35747	42936	30782	46032		3%	4%	4%	3%	4%	8%
rejected %	90%	89%	50%	89%	54%	73%	grade 1 events	28	26	151	29	70	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1271	1034	11724	1148	5169	3655
								2%	2%	16%	2%	9%	5%
							grade 3 events	513	539	1262	548	2359	1779
								0%	1%	1%	1%	4%	2%
							grade 4 events	535	490	1211	532	2258	1632
								1%	1%	1%	1%	4%	2%
							grade 5 events	1787	2002	5402	2055	5926	2918
								3%	4%	7%	4%	10%	4%
							grade 6 events	953	927	18188	1135	13416	4231
								1%	1%	25%	2%	23%	6%
							grade 7 events	44813	41221	30179	40849	24779	43061
								86%	85%	42%	84%	43%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	145.561888	145.5330438039304	CCD I2 on	O1	Y
[deg] Pointing Dec	52.103576	52.1244753765033	CCD I3 on	O2	Y
[deg] Pointing Roll	99.266410	99.44585834348123	CCD S0 on	N	N
[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)	377547584.184000	377546238.26633	CCD S5 on	N	N
Observation start date	2009-12-18T18:18:38	2009-12-18T17:57:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	377553184.184000	377553827.87922	On-chip summing requested	N	N
Observation end date	2009-12-18T19:51:58	2009-12-18T20:03:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



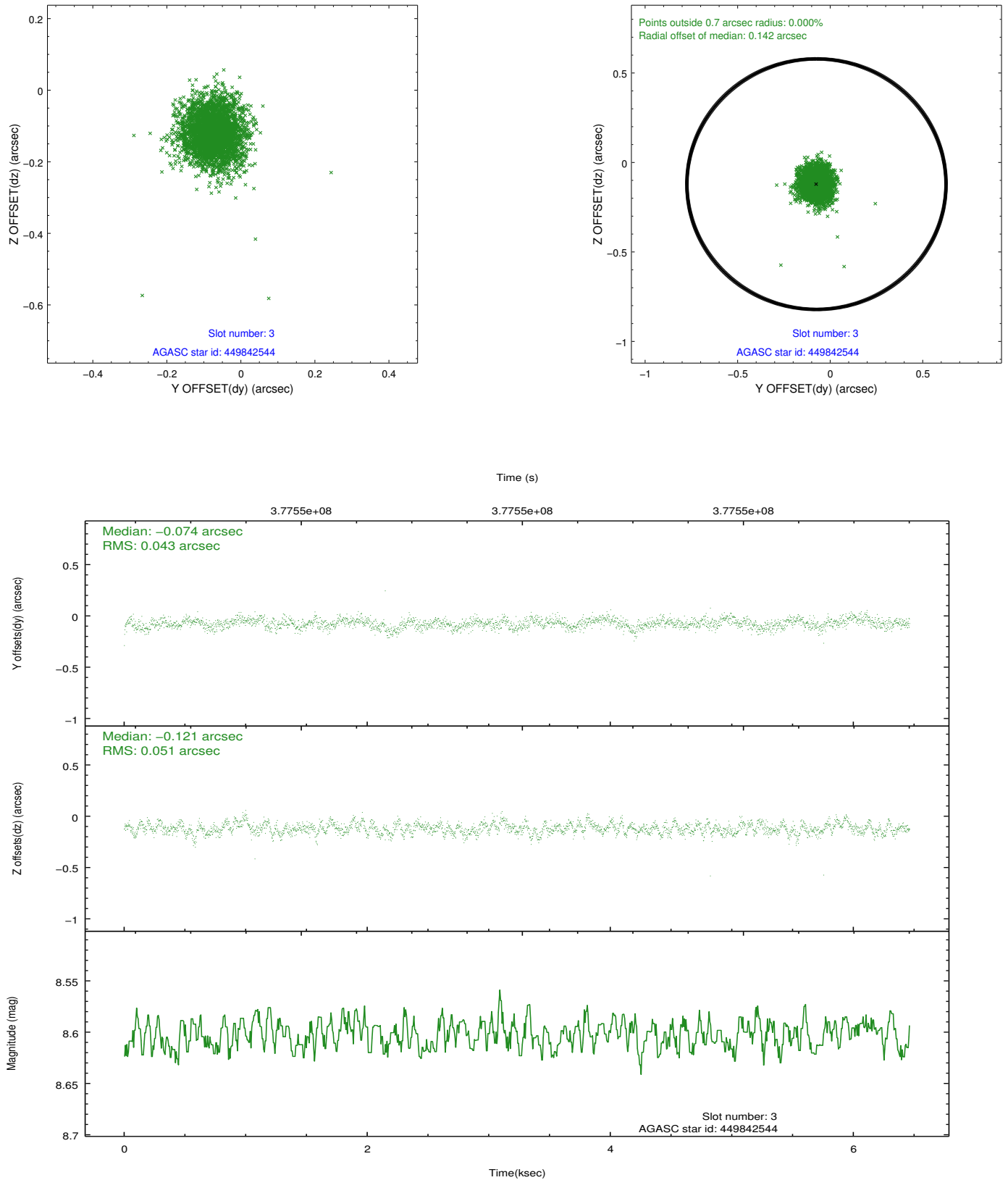


Slot Statistics

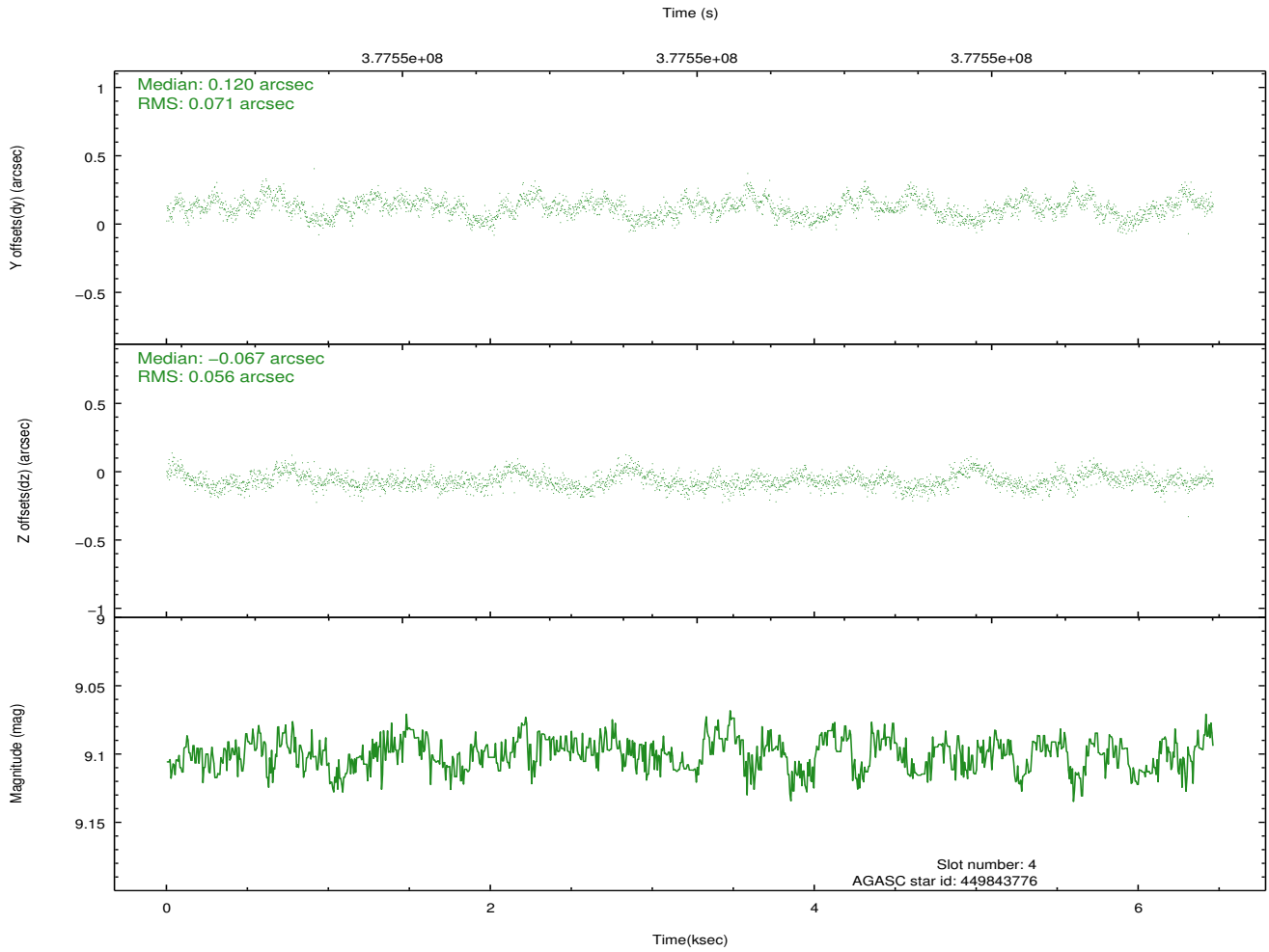
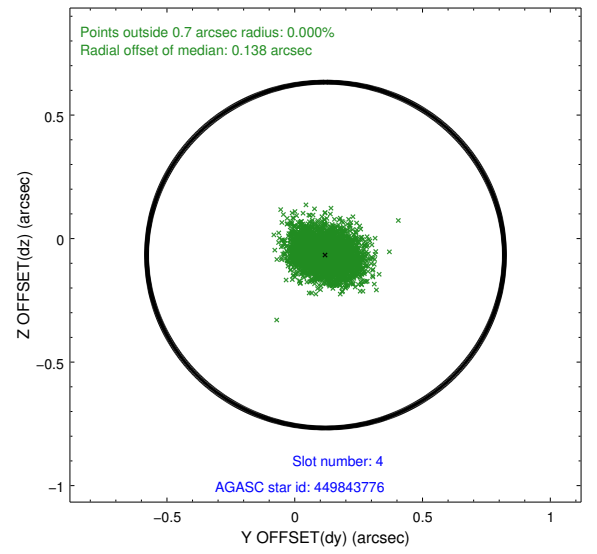
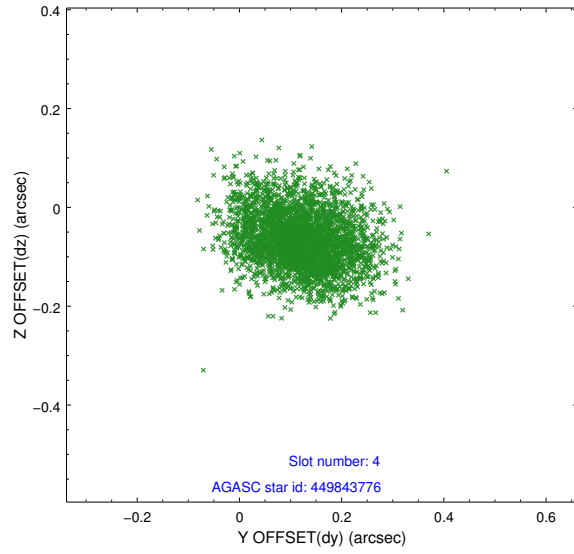
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1576	-0.090	-0.028	0.007	0.012	0.000000	0.000000	-767.77	-1736.44
1	FID	ACIS-S-4	6.98	1576	0.209	0.051	0.006	0.011	0.000000	0.000000	2145.37	171.21
2	FID	ACIS-S-5	7.00	1576	-0.150	-0.014	0.007	0.011	0.000000	0.000000	-1819.54	165.81
3	GUIDE	449842544	8.60	3152	-0.074	-0.121	0.070	0.114	144.787223	52.326058	1073.32	1551.88
4	GUIDE	449843776	9.10	3147	0.120	-0.067	0.097	0.155	145.003350	51.524715	-1850.20	1569.95
5	GUIDE	450764384	9.01	3151	0.133	0.180	0.082	0.131	146.425151	51.908024	-992.71	-1780.20
6	GUIDE	498995240	8.45	3152	-0.039	0.142	0.087	0.150	146.167636	52.793593	2244.93	-1702.85
7	GUIDE	498998576	8.27	3152	-0.135	-0.137	0.062	0.097	145.260103	52.618763	1938.10	352.16

2.4 Star Slots

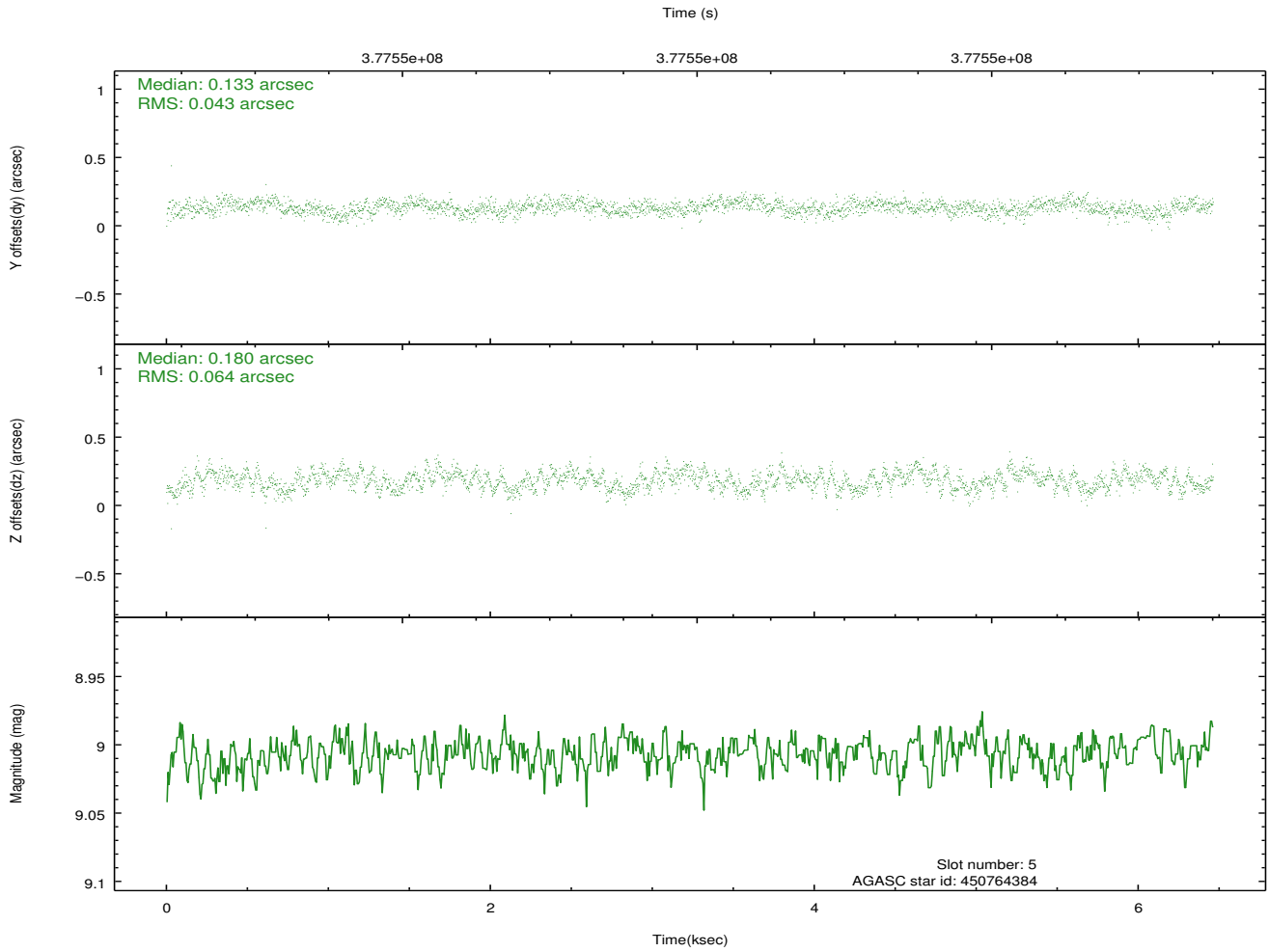
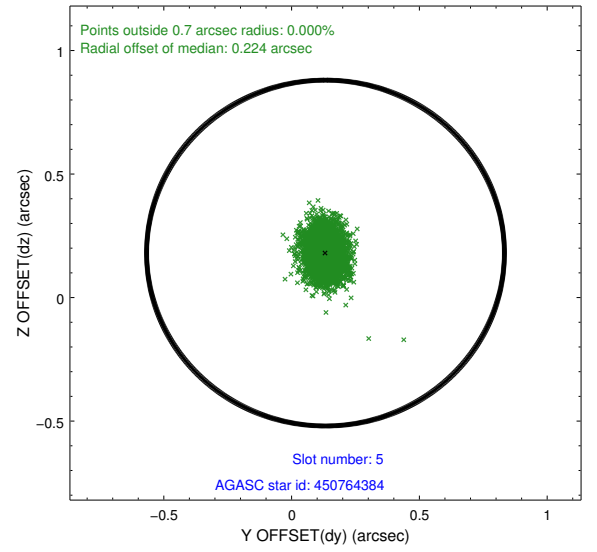
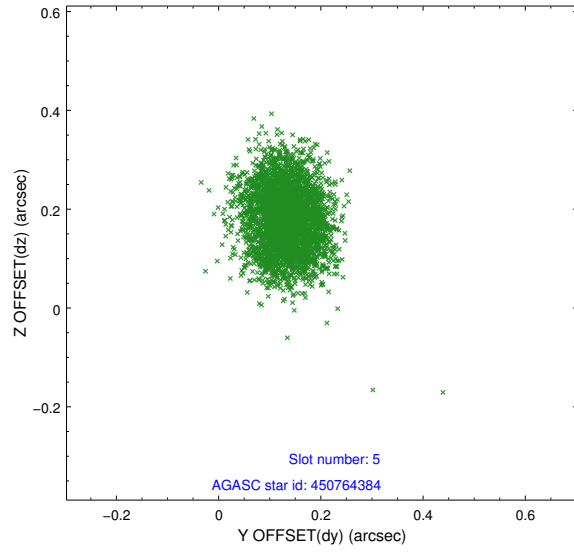
2.4.1 Slot 3



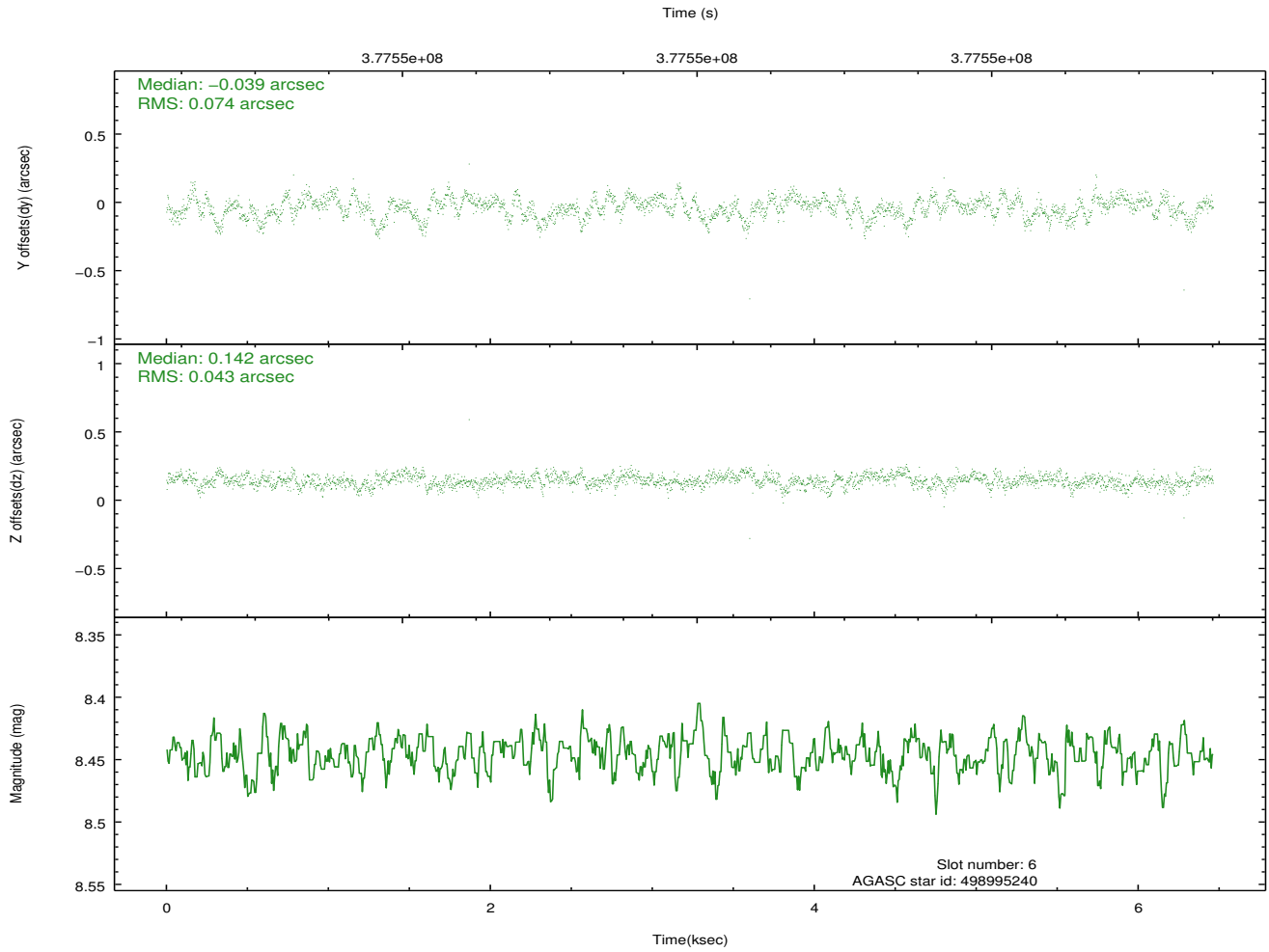
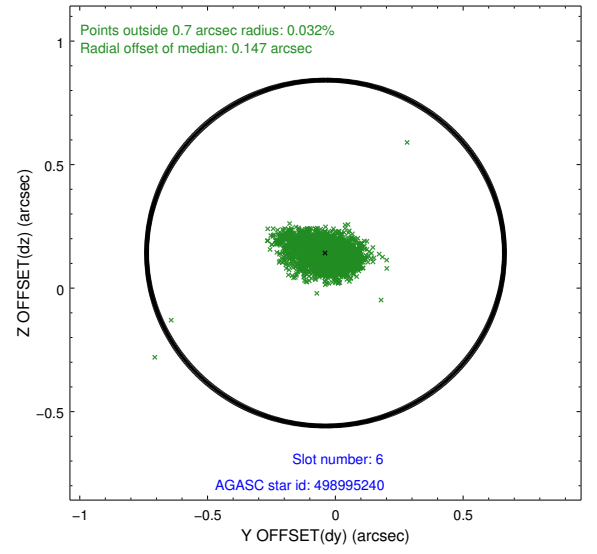
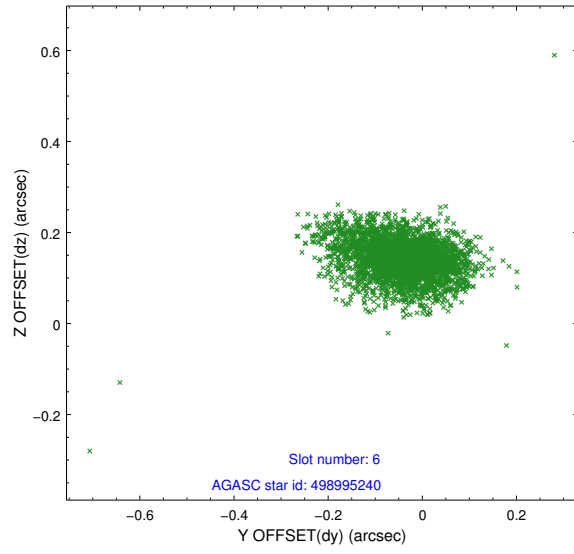
2.4.2 Slot 4



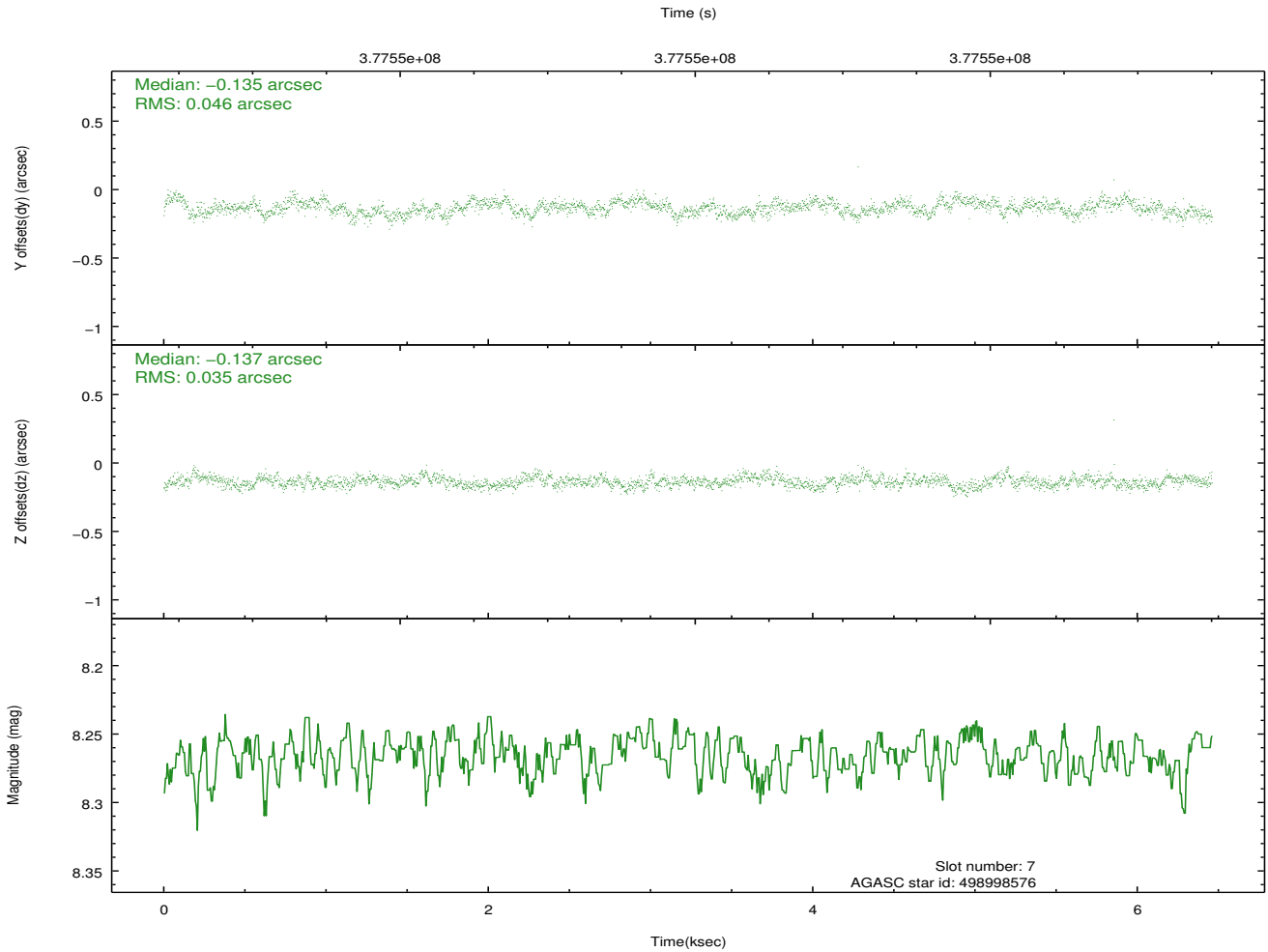
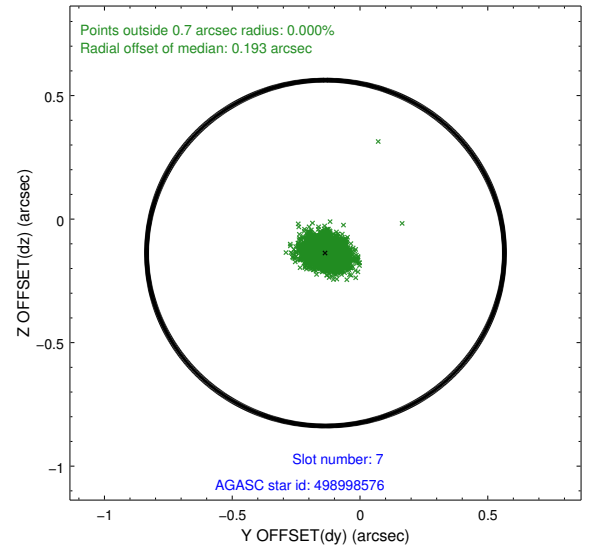
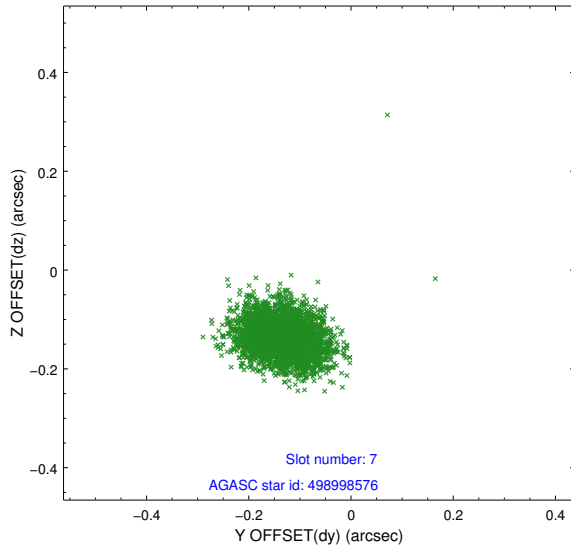
2.4.3 Slot 5



2.4.4 Slot 6

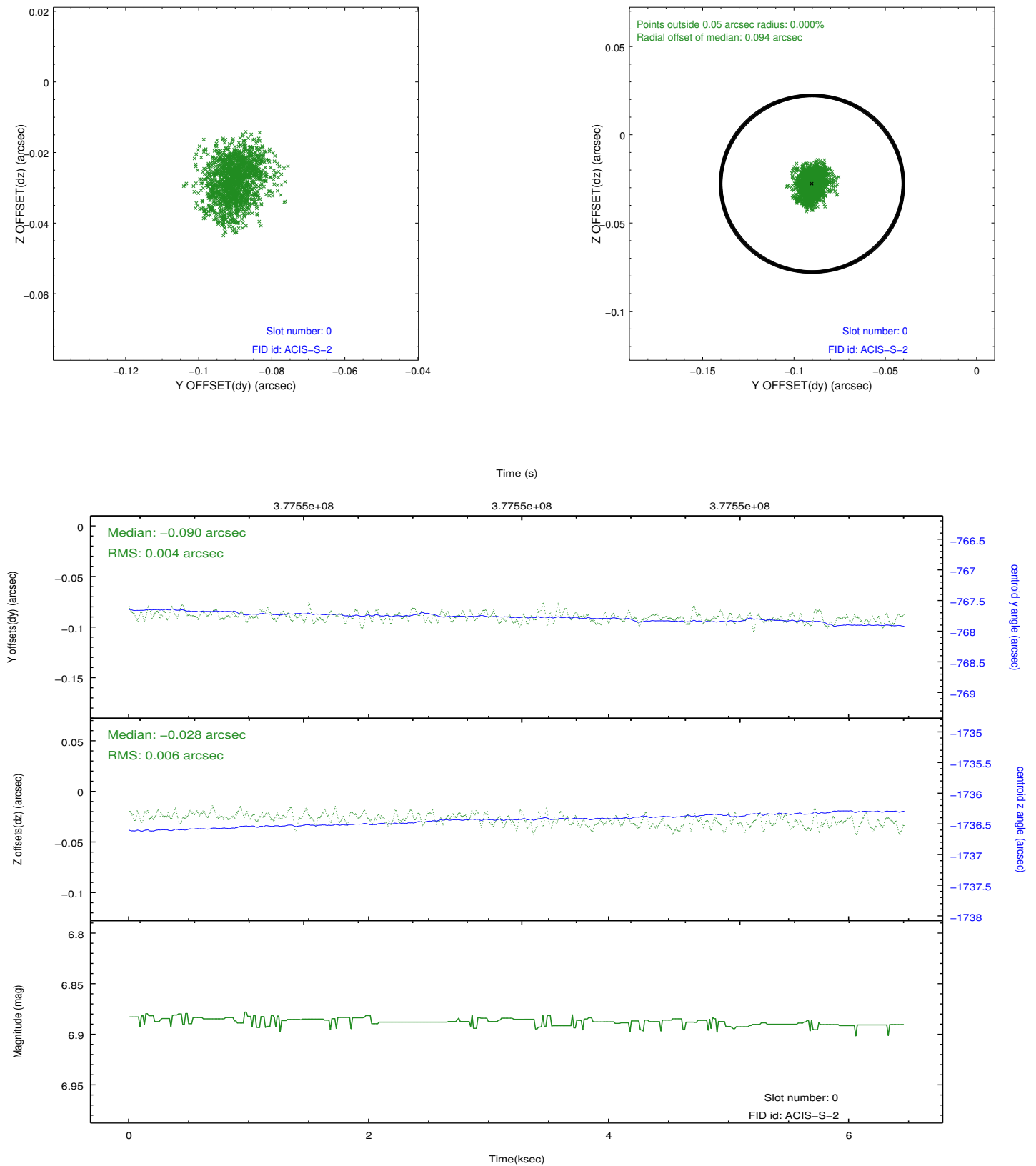


2.4.5 Slot 7

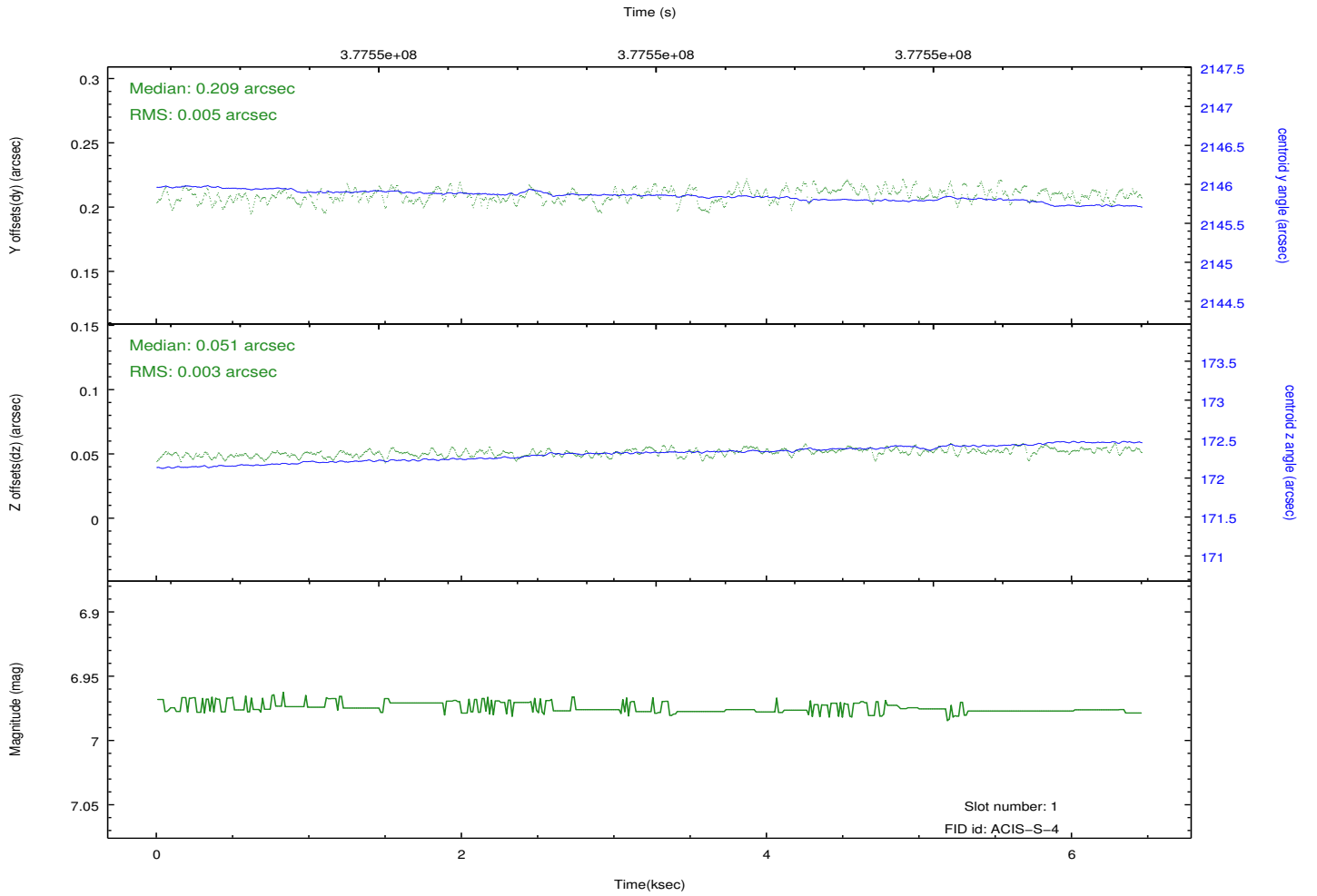
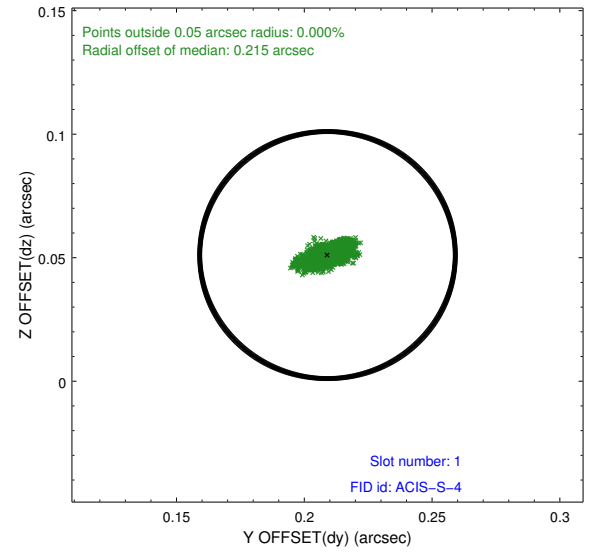
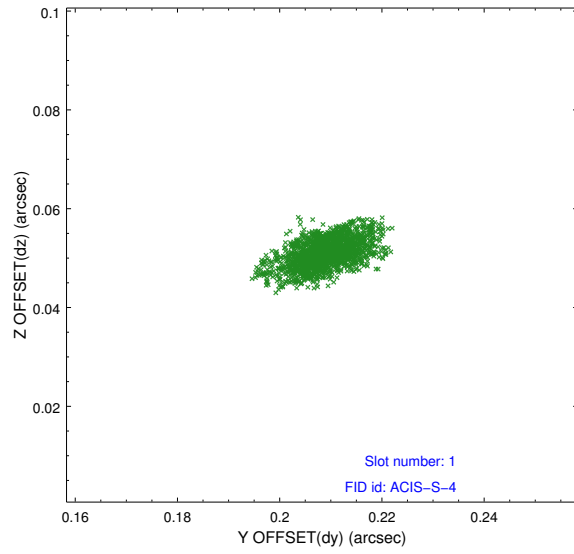


2.5 FID Slots

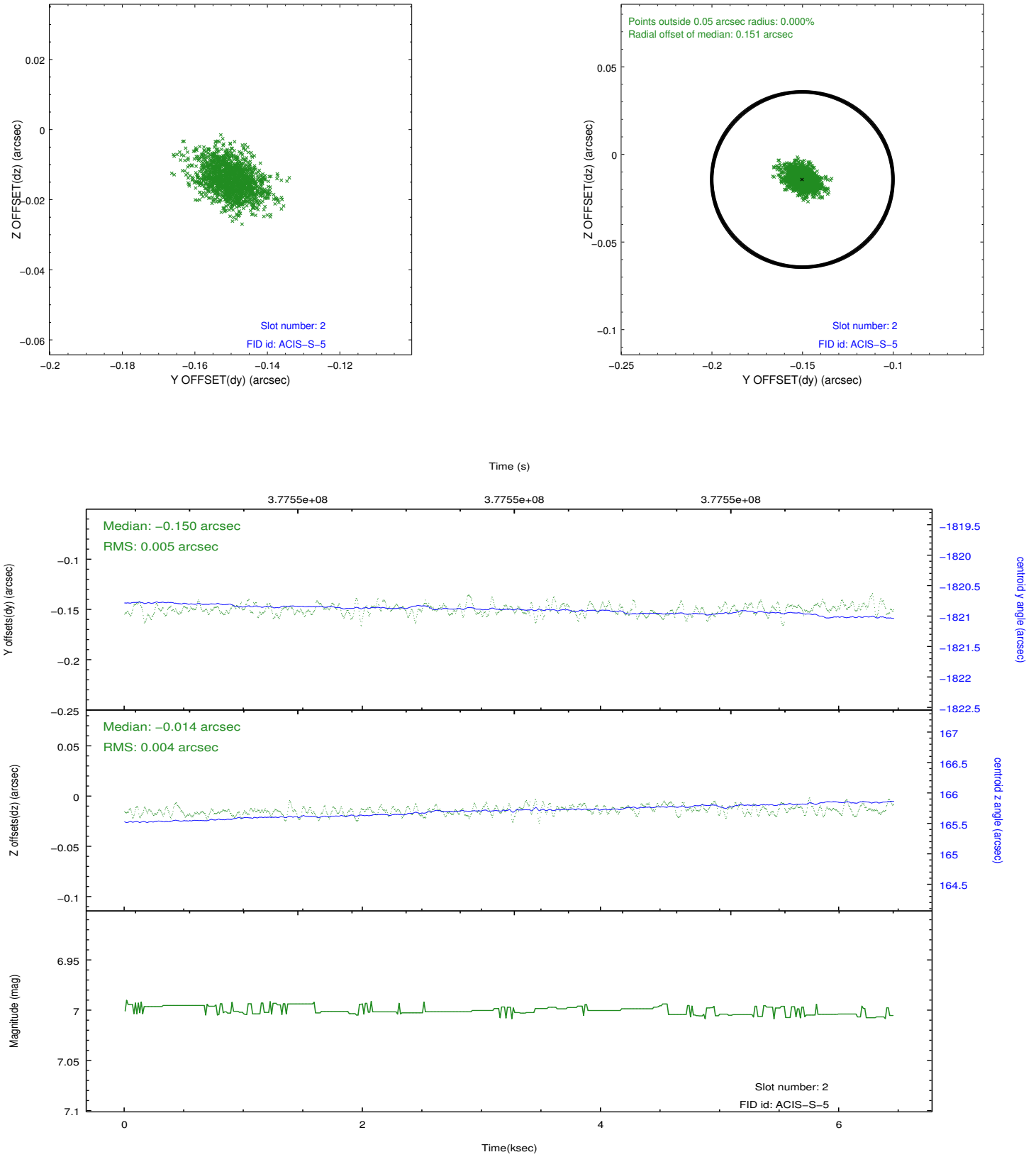
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.641599979043

A.2 Comments