

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4838 - L2 Version 3
Chandra X-Ray Center

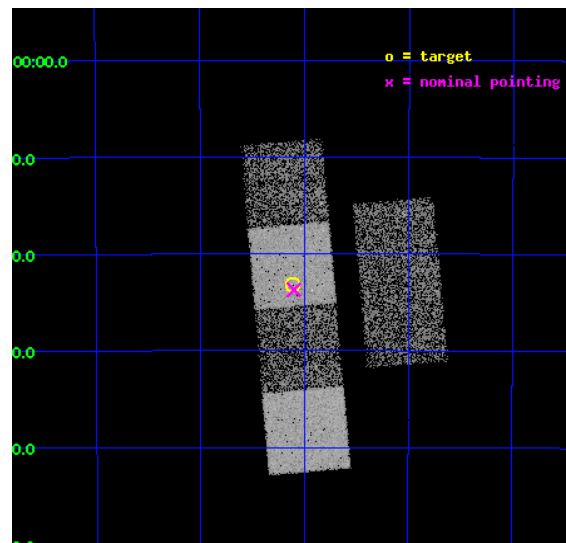
L2 Processing Date : Nov 9 2012

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1 Front

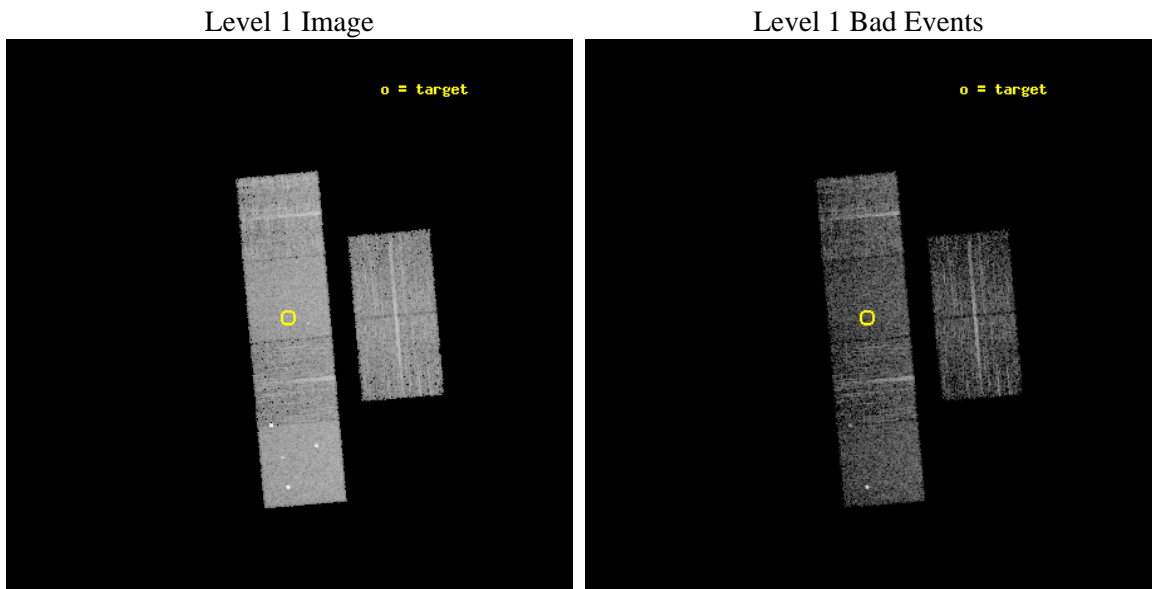
seq_num	700920	Sequence number
obs_id	4838	Observation id
title	Constraining the Hard-X-ray Through Submm SEDs of a Complete Sample of Broad Absorption Line Quasars	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	LBQS 2111-4335	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	318.77875	Observer's specified target RA [deg]
dec_targ	-43.386028	Observer's specified target Dec [deg]
ra_nom	318.7753665917	Nominal RA [deg]
dec_nom	-43.395378148475	Nominal Dec [deg]
roll_nom	264.94742082388	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5596.7999791503	Sum of GTIs [s]
livetime	5525.9299278259	Livetime [s]
ontime2	5596.7999791503	Sum of GTIs [s]
ontime3	5596.7999791503	Sum of GTIs [s]
ontime5	5596.7999791503	Sum of GTIs [s]
ontime6	5596.7999791503	Sum of GTIs [s]
ontime7	5596.7999791503	Sum of GTIs [s]
ontime8	5593.5590088665	Sum of GTIs [s]
l2events	53924	Number of level 2 events



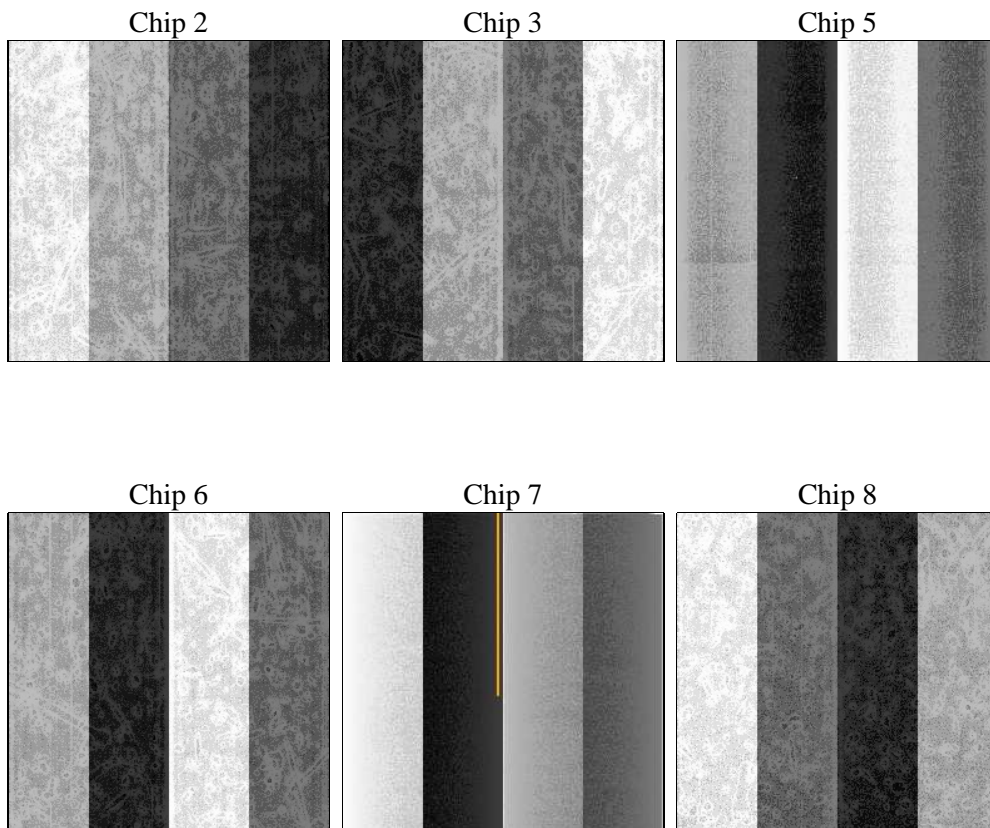
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5843.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5596.7999791503	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5596.7999791503	Sum of GTIs [s]
date	2012-11-09T07:40:21	Date and time of file creation	ontime3	5596.7999791503	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5596.7999791503	Sum of GTIs [s]
			ontime6	5596.7999791503	Sum of GTIs [s]
			ontime7	5596.7999791503	Sum of GTIs [s]
			ontime8	5593.5590088665	Sum of GTIs [s]
			l1events	238485	Number of level 1 events

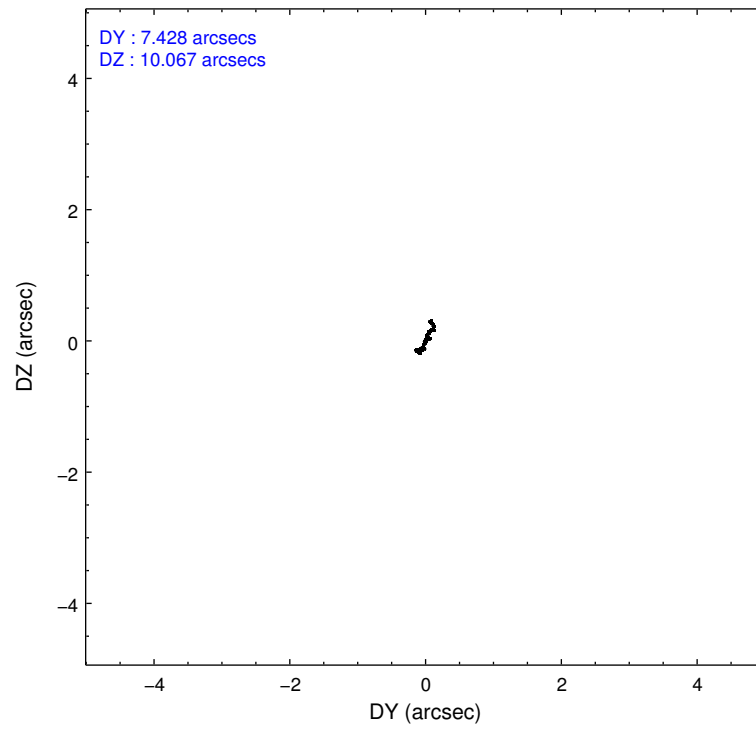
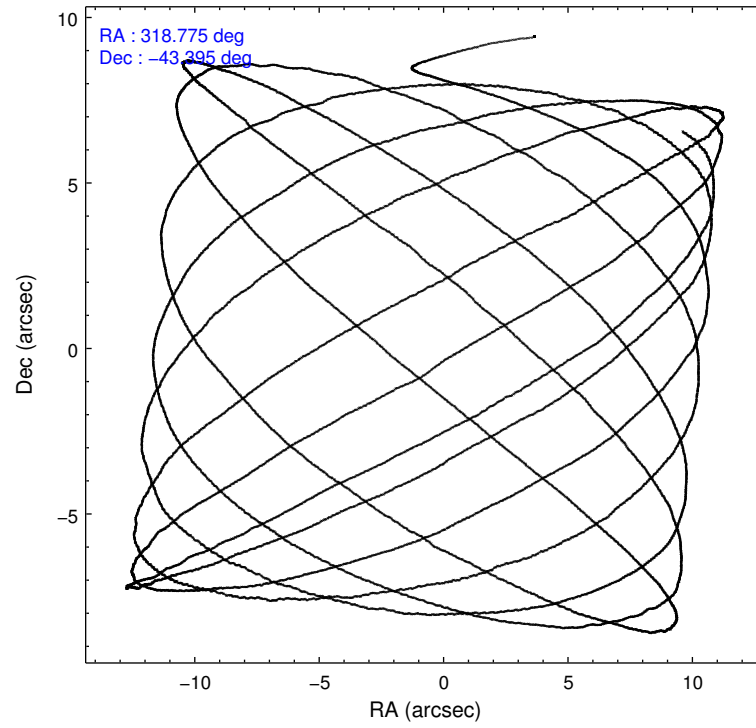
2.1.4 Events

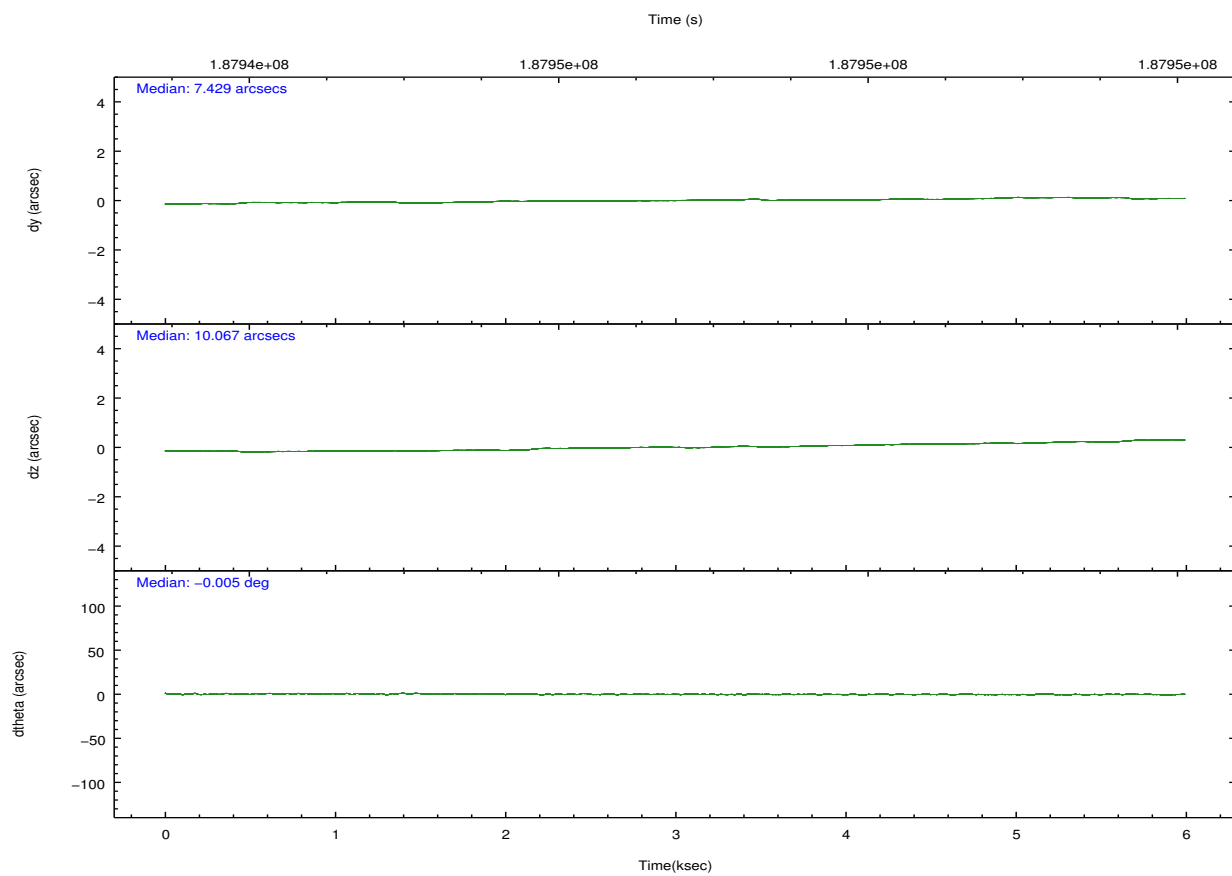
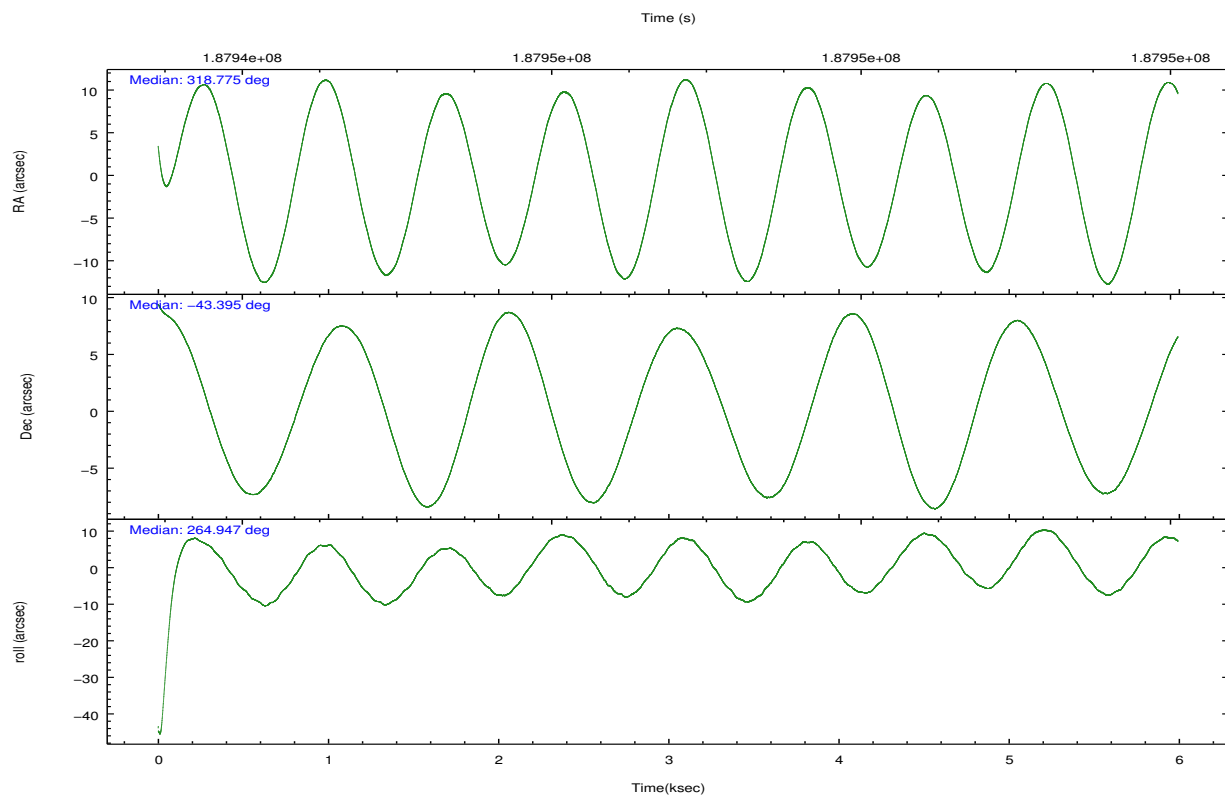
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32425	30055	53028	33352	45212	44413	grade 0 events	1770	1731	2786	1597	1873	2756
rejected events	28512	26135	27781	29335	26297	35648		5%	5%	5%	4%	4%	6%
rejected %	87%	86%	52%	87%	58%	80%	grade 1 events	15	23	192	16	40	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	793	761	7099	835	3761	1964
								2%	2%	13%	2%	8%	4%
							grade 3 events	349	362	908	399	1731	900
								1%	1%	1%	1%	3%	2%
							grade 4 events	333	380	877	389	1721	899
								1%	1%	1%	1%	3%	2%
							grade 5 events	1295	1459	4058	1593	4421	1923
								3%	4%	7%	4%	9%	4%
							grade 6 events	674	690	13611	798	9851	2266
								2%	2%	25%	2%	21%	5%
							grade 7 events	27196	24649	23497	27725	21814	33671
								83%	82%	44%	83%	48%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	318.759011	318.7753665917005	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.370834	-43.39537814847503	Alternating exposures requested	N	N
[deg] Pointing Roll	264.779680	264.9474208238771	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	187943908.184000	187942842.68884			
Observation start date	2003-12-16T06:37:24	2003-12-16T06:20:42			
[s] Observation end time (MET)	187949751.184000	187950179.12666			
Observation end date	2003-12-16T08:14:47	2003-12-16T08:22:59			
Read mode	TIMED	TIMED			

2.3 Aspect



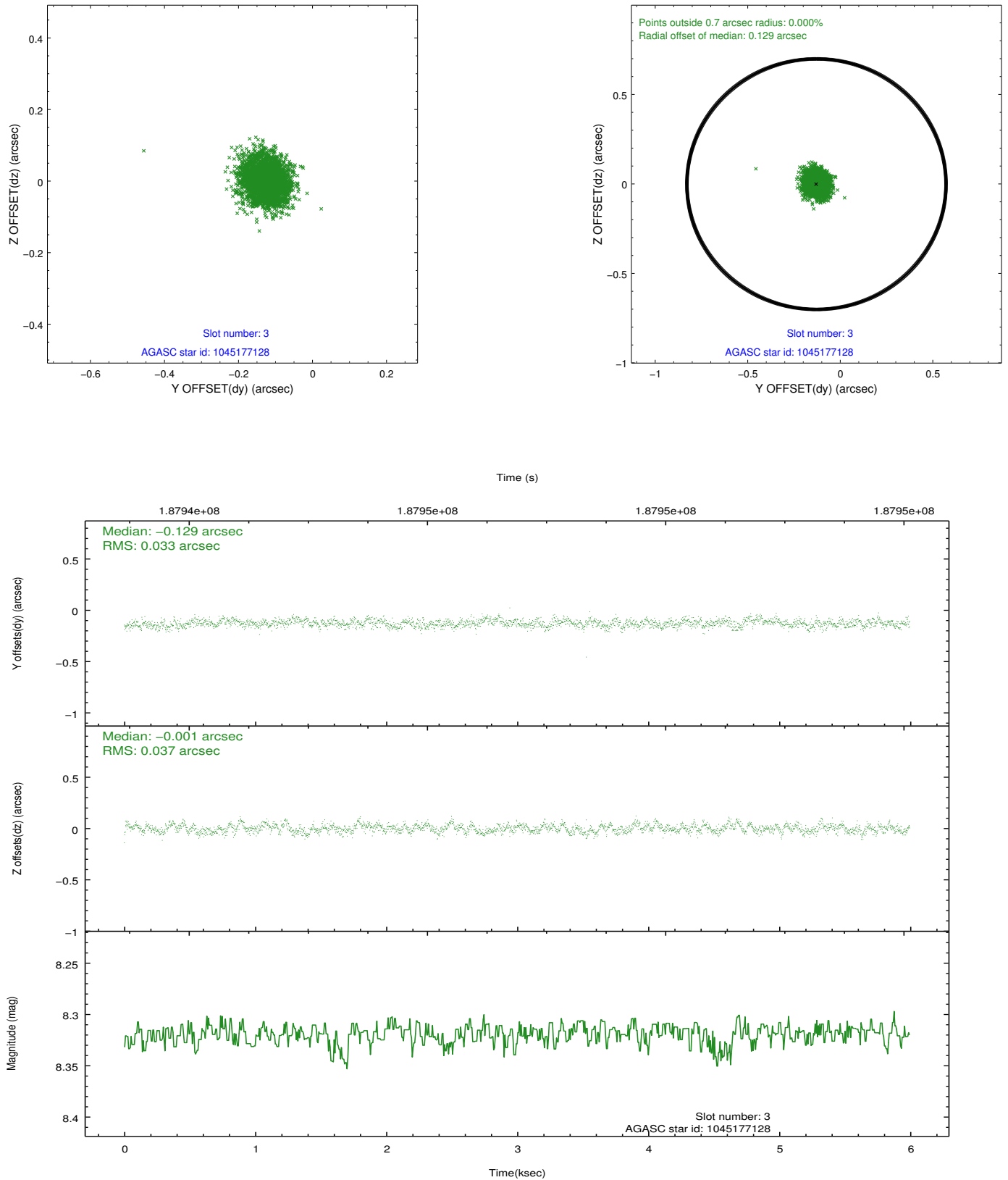


Slot Statistics

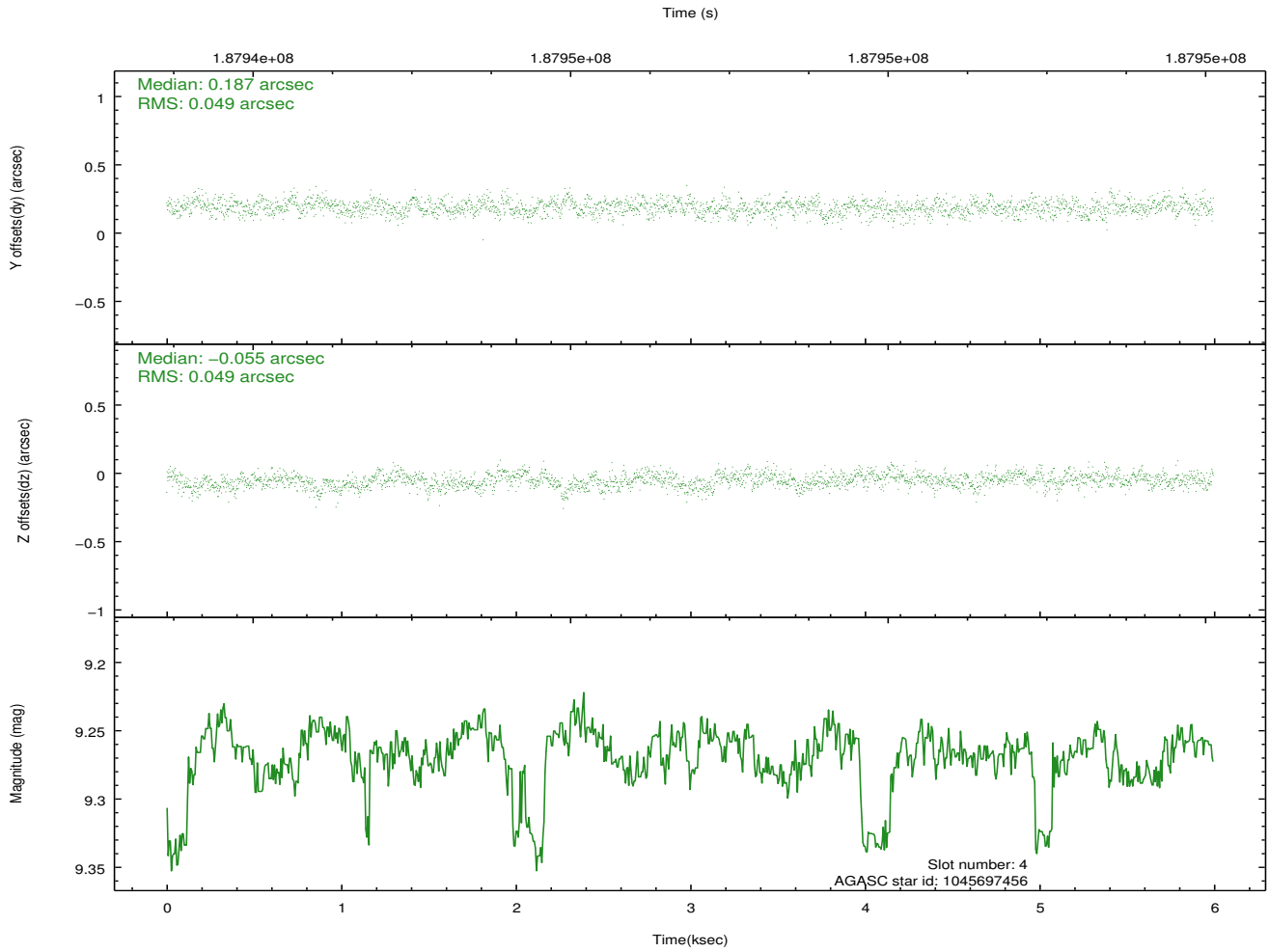
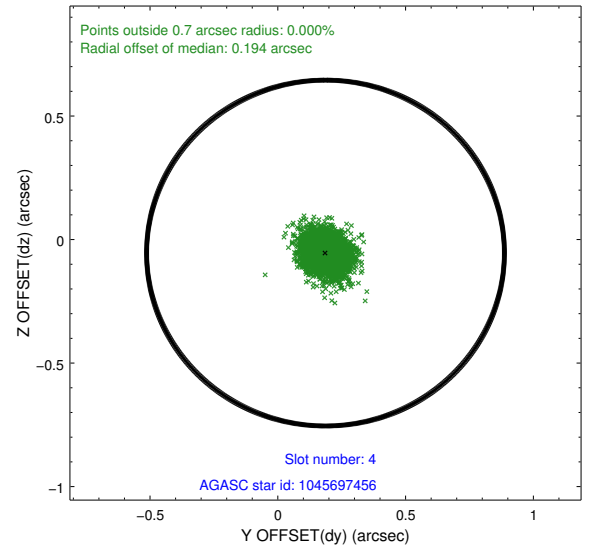
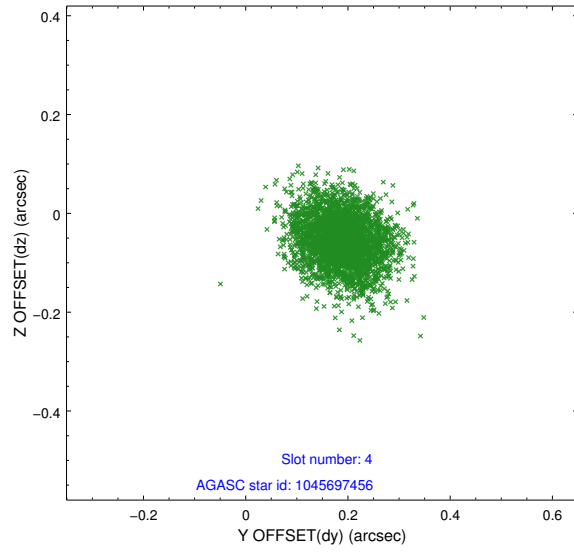
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1462	-0.038	-0.012	0.007	0.011	0.000000	0.000000	-760.19	-1731.35
1	FID	ACIS-S-4	7.20	1462	0.064	0.022	0.005	0.010	0.000000	0.000000	2152.70	176.20
2	FID	ACIS-S-5	7.23	1462	-0.057	-0.001	0.007	0.012	0.000000	0.000000	-1811.82	170.89
3	GUIDE	1045177128	8.32	2925	-0.129	-0.001	0.052	0.084	319.011903	-42.956438	-1544.98	527.78
4	GUIDE	1045697456	9.27	2921	0.187	-0.055	0.075	0.117	318.587540	-43.819178	1648.39	-296.66
5	GUIDE	1045697552	6.76	2924	-0.228	-0.012	0.057	0.087	318.452039	-43.129897	-788.04	-881.88
6	GUIDE	1045697992	8.48	2925	0.065	0.017	0.058	0.092	318.625405	-43.937706	2064.27	-159.63
7	GUIDE	1045699184	9.69	2919	0.106	0.049	0.105	0.170	318.652396	-43.990040	2246.43	-72.29

2.4 Star Slots

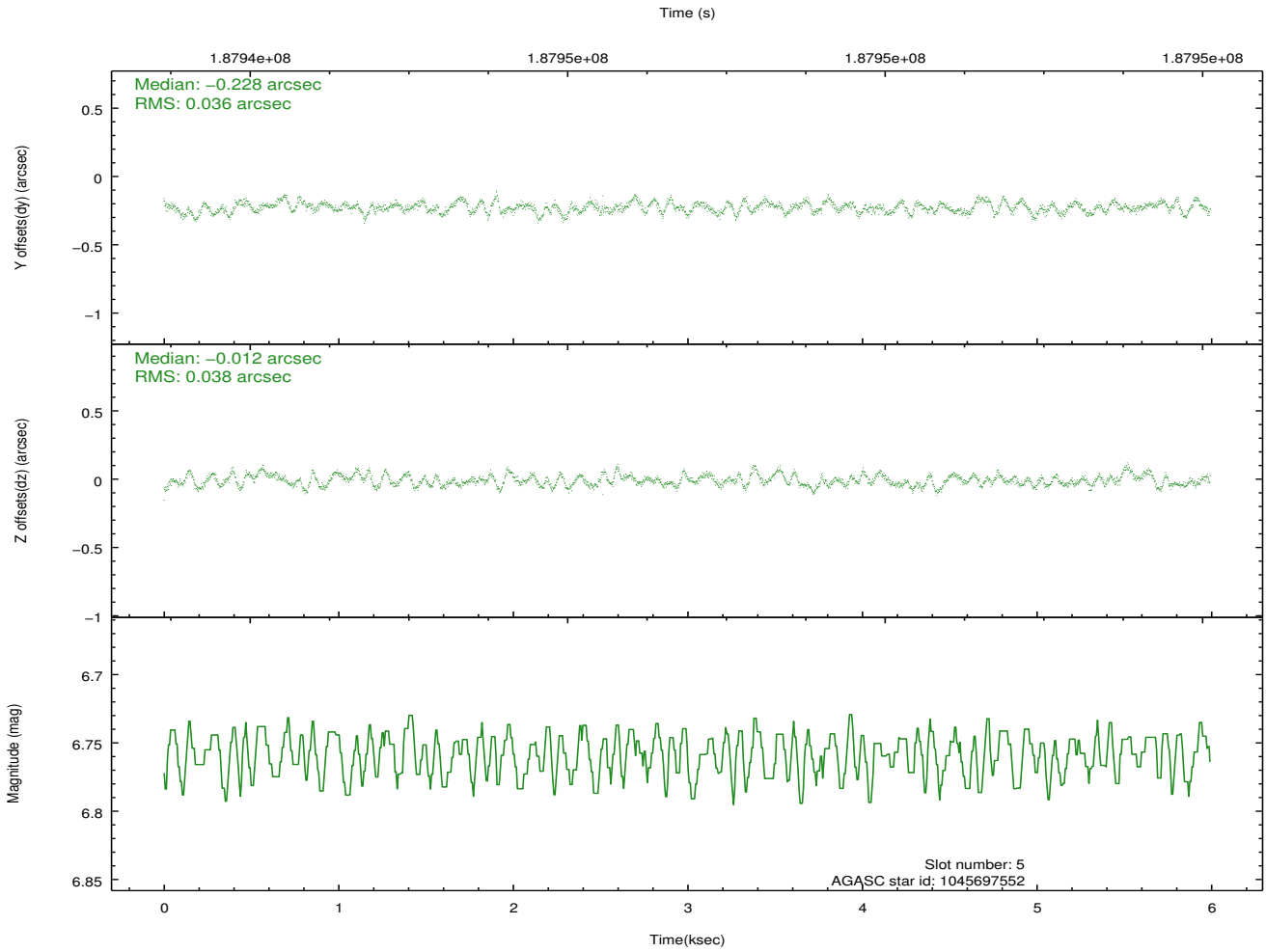
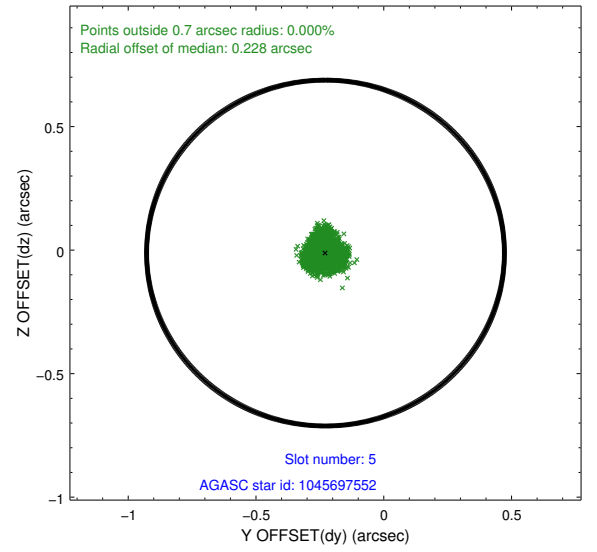
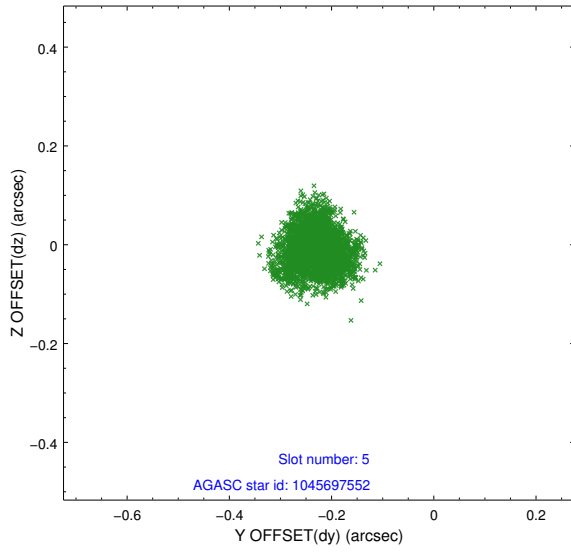
2.4.1 Slot 3



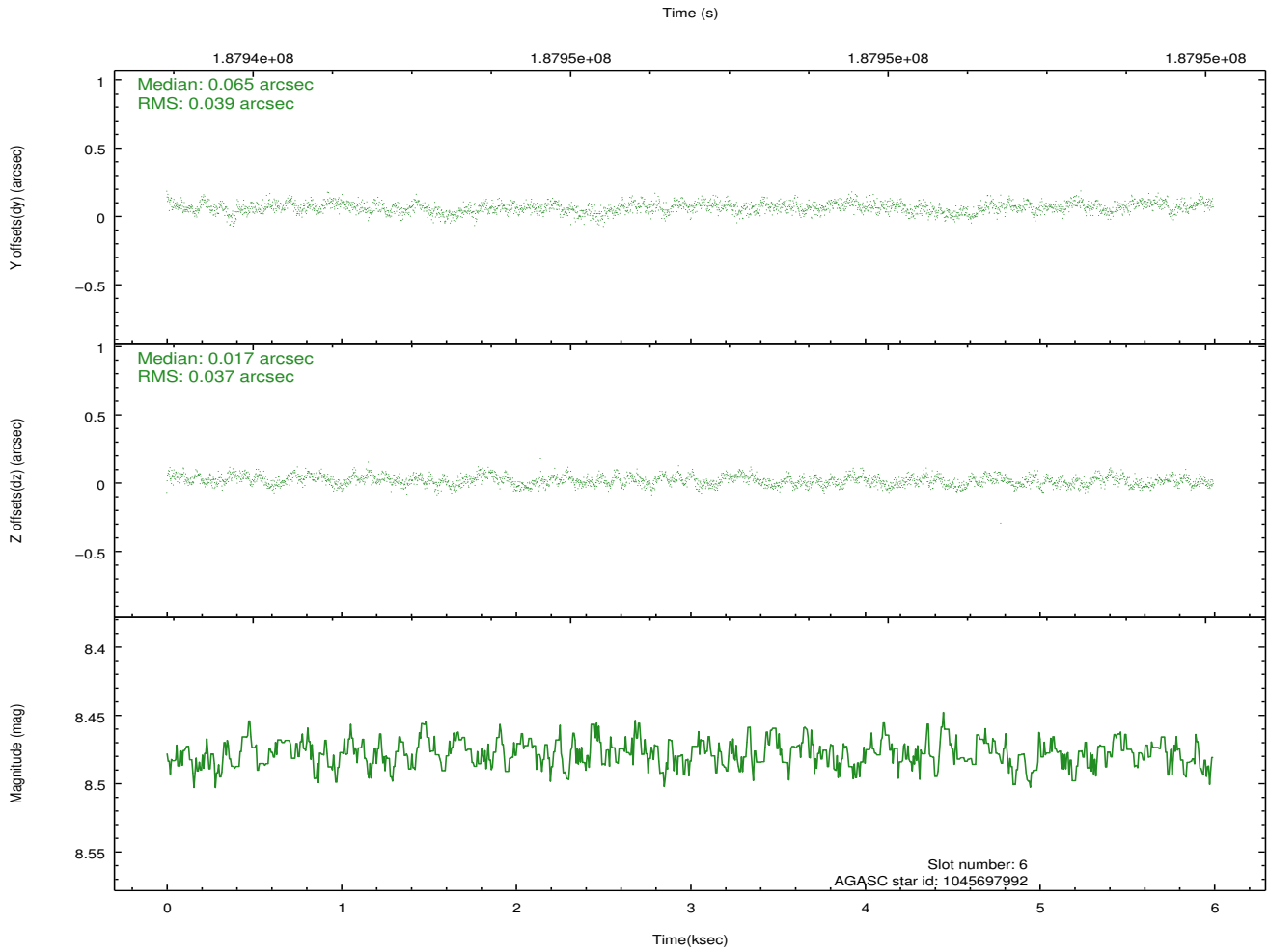
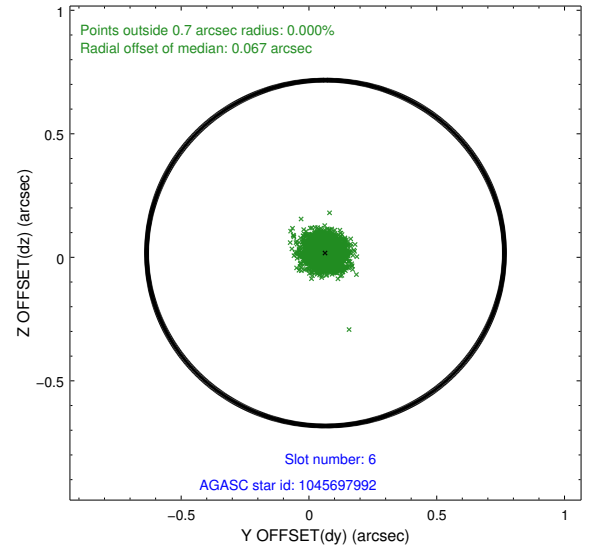
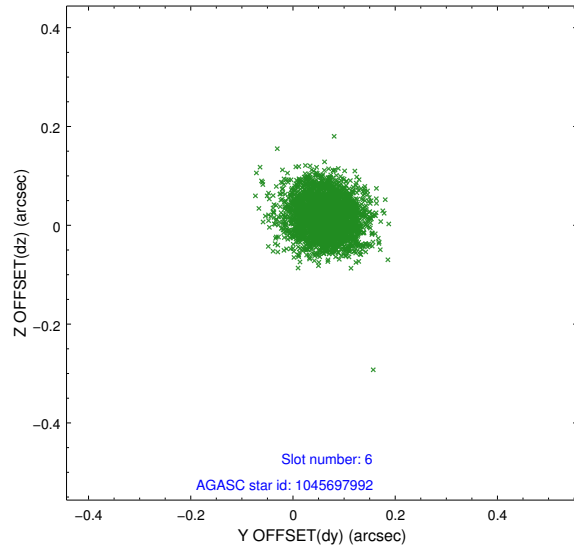
2.4.2 Slot 4



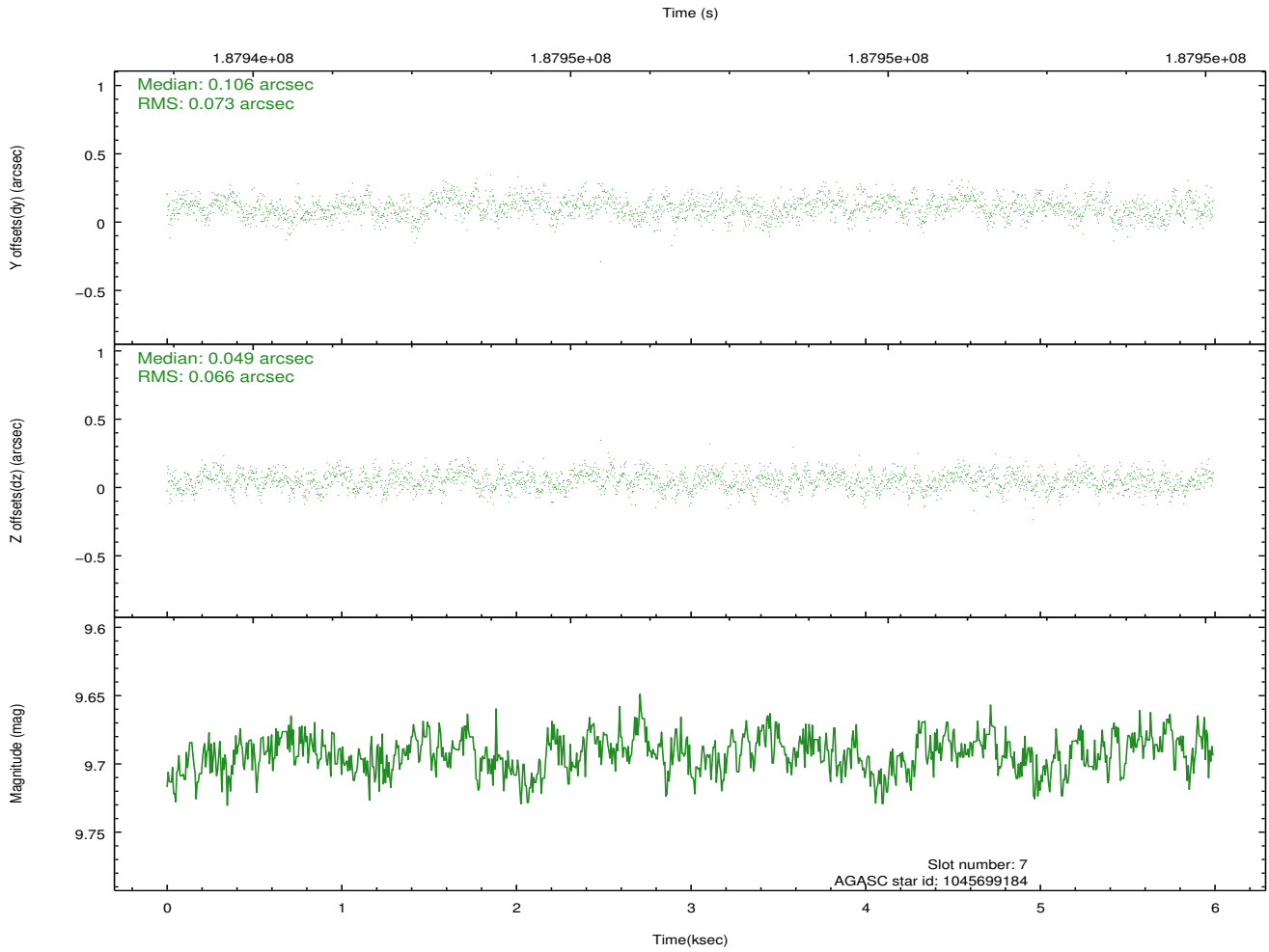
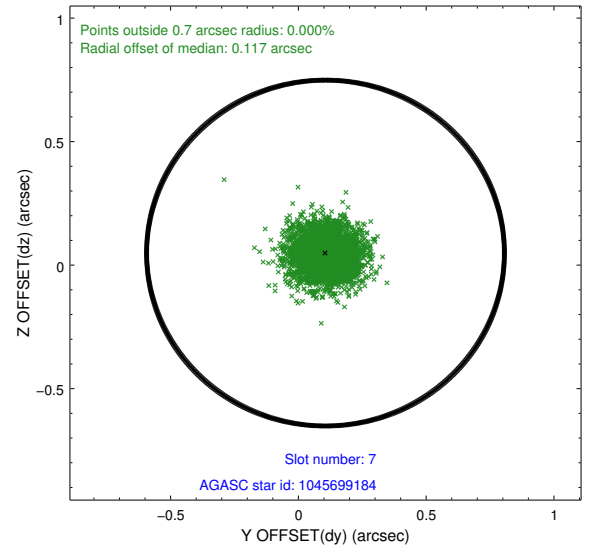
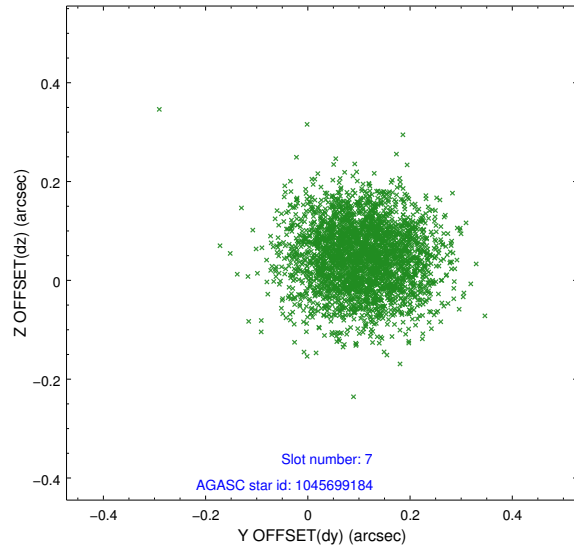
2.4.3 Slot 5



2.4.4 Slot 6

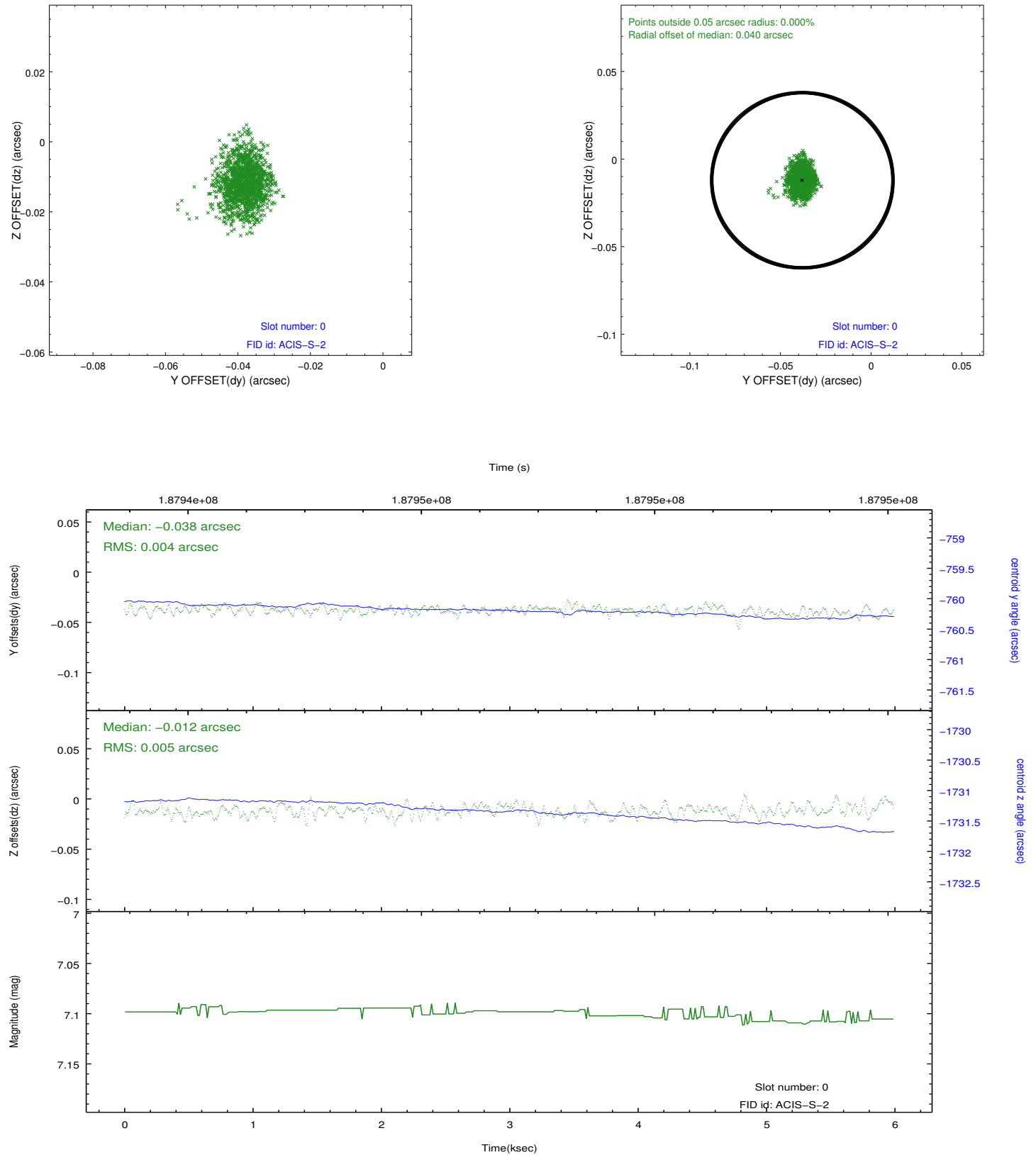


2.4.5 Slot 7

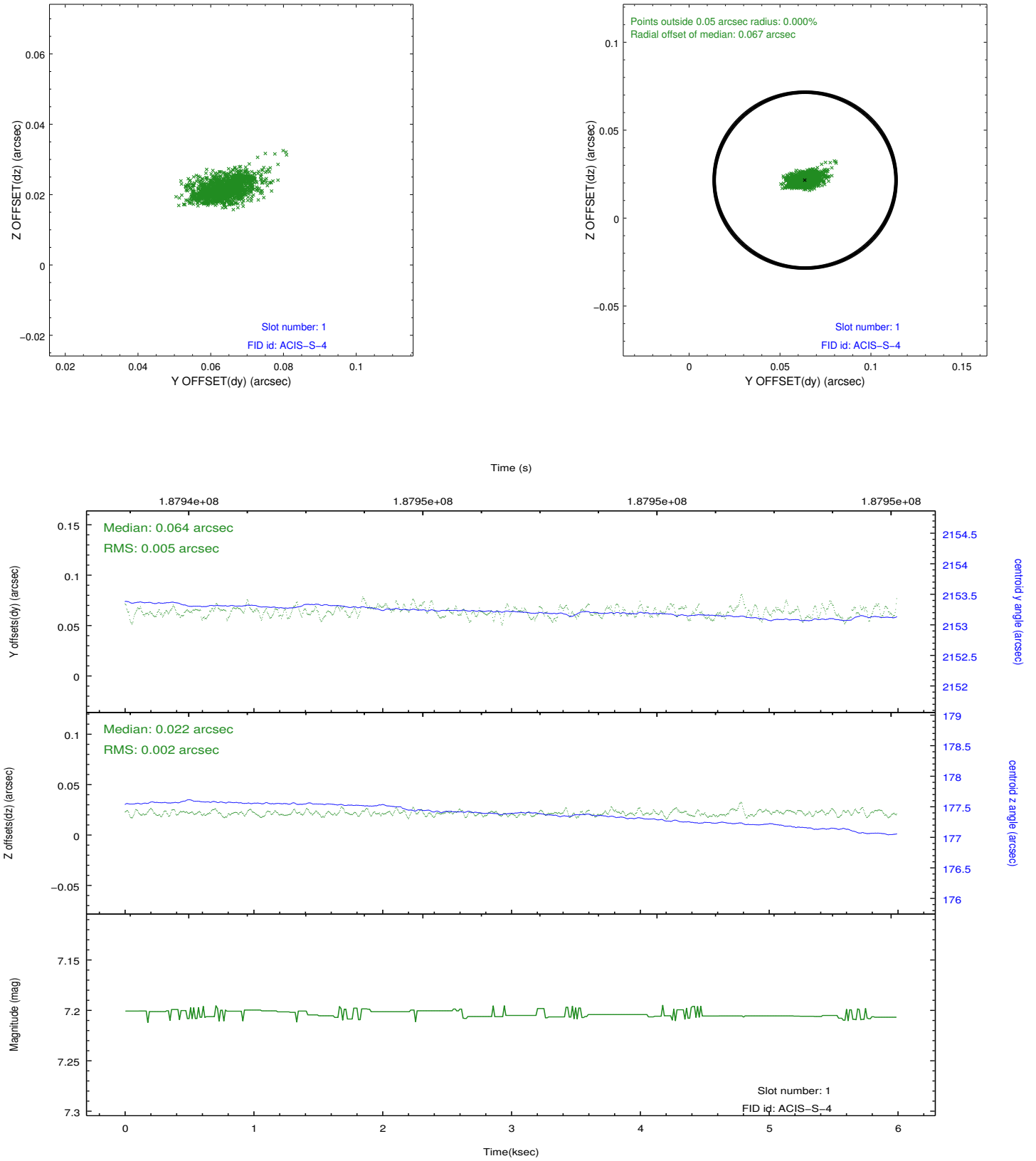


2.5 FID Slots

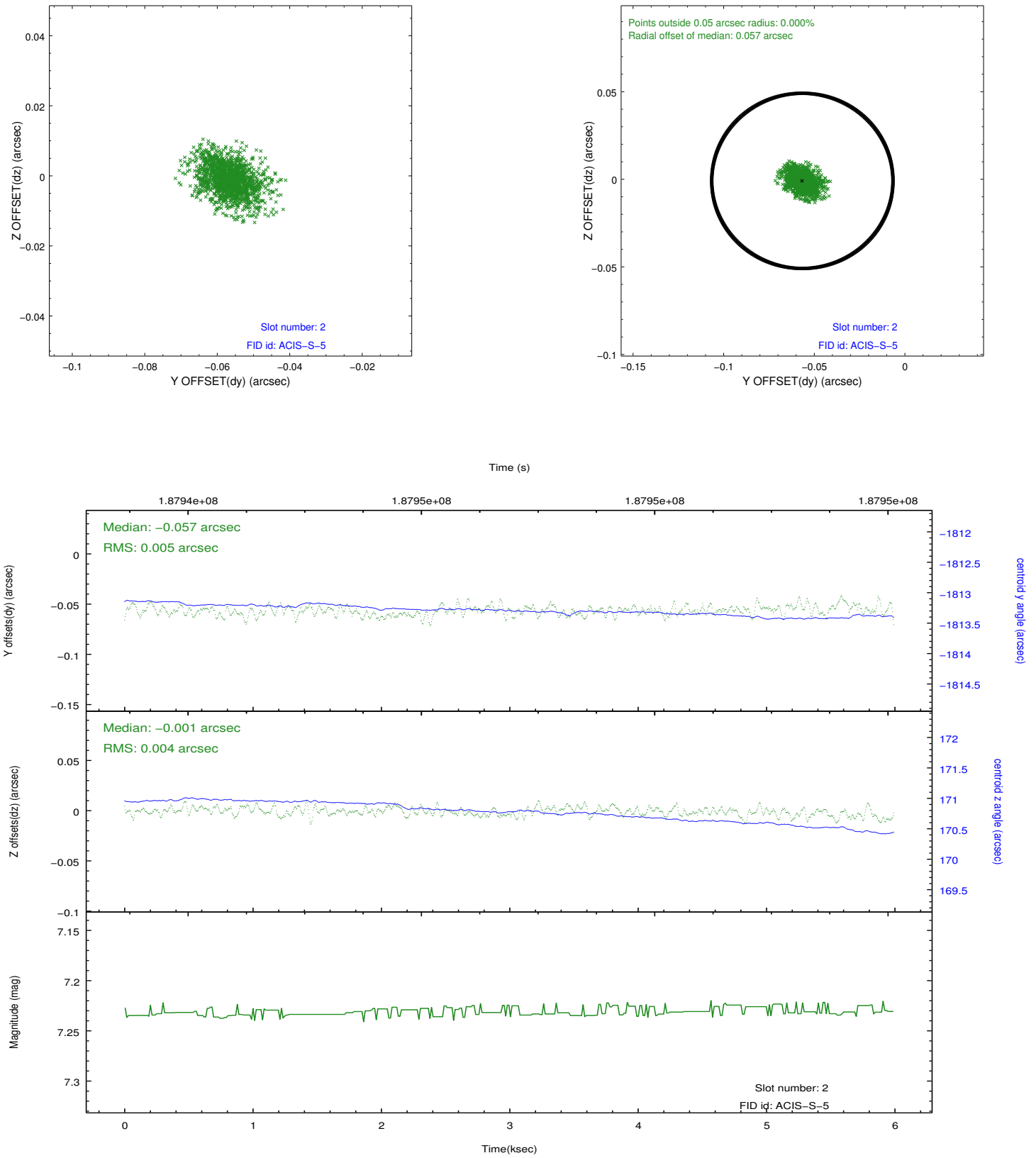
2.5.1 Slot 0



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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.599

A.2 Comments