

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6813 - L2 Version 2
Chandra X-Ray Center

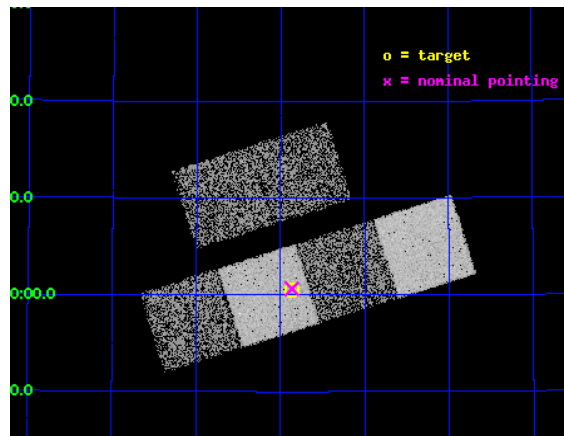
L2 Processing Date : Apr 2 2012

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1 Front

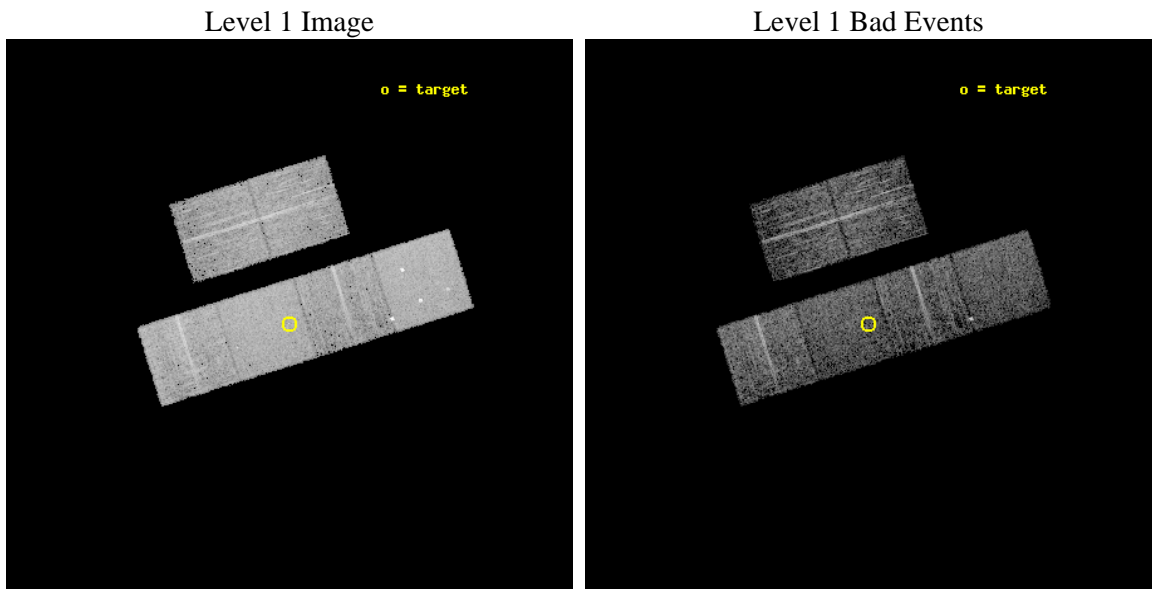
seq_num	701231	Sequence number
obs_id	6813	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1733+5400	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.4675	Observer's specified target RA [deg]
dec_targ	54.008472	Observer's specified target Dec [deg]
ra_nom	263.46644045255	Nominal RA [deg]
dec_nom	54.010415631936	Nominal Dec [deg]
roll_nom	162.57640892332	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3755.8518885672	Sum of GTIs [s]
livetime	3708.2930304517	Livetime [s]
ontime2	3755.8929484785	Sum of GTIs [s]
ontime3	3755.7287685573	Sum of GTIs [s]
ontime5	3755.8108485639	Sum of GTIs [s]
ontime6	3755.7698085606	Sum of GTIs [s]
ontime7	3755.8518885672	Sum of GTIs [s]
ontime8	3752.4466786981	Sum of GTIs [s]
l2events	55249	Number of level 2 events



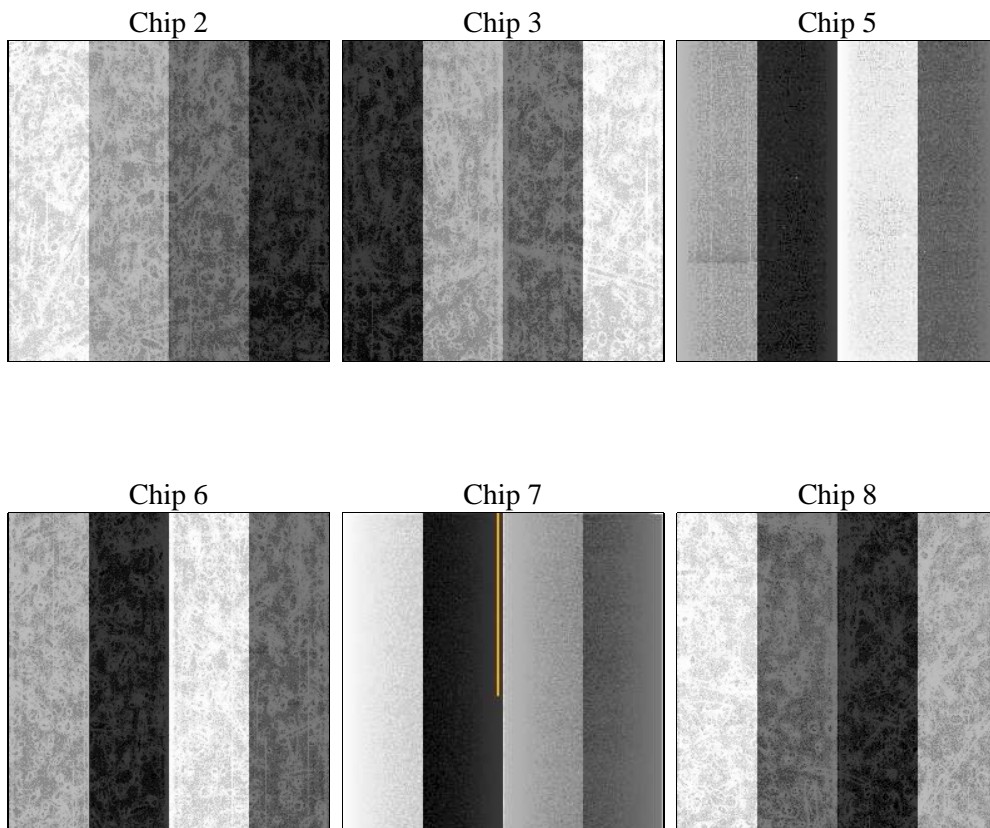
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3755.8518885672	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3755.8929484785	Sum of GTIs [s]
date	2012-04-02T03:44:16	Date and time of file creation	ontime3	3755.7287685573	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3755.8108485639	Sum of GTIs [s]
			ontime6	3755.7698085606	Sum of GTIs [s]
			ontime7	3755.8518885672	Sum of GTIs [s]
			ontime8	3752.4466786981	Sum of GTIs [s]
			l1events	249672	Number of level 1 events

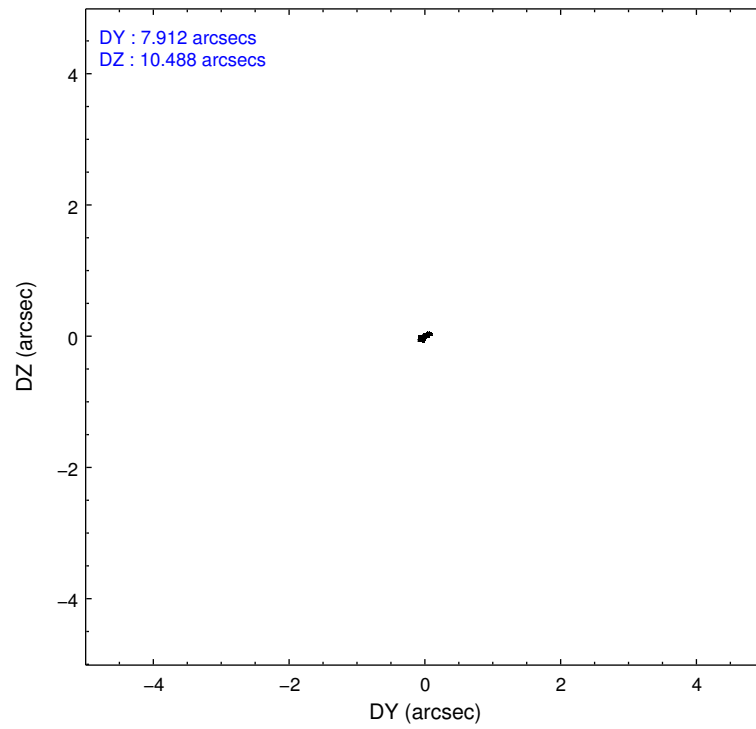
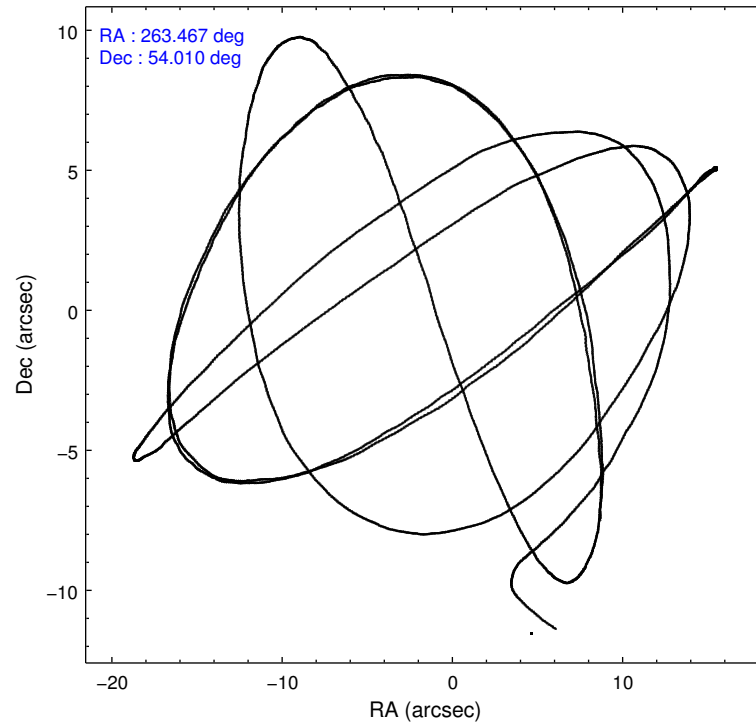
2.1.4 Events

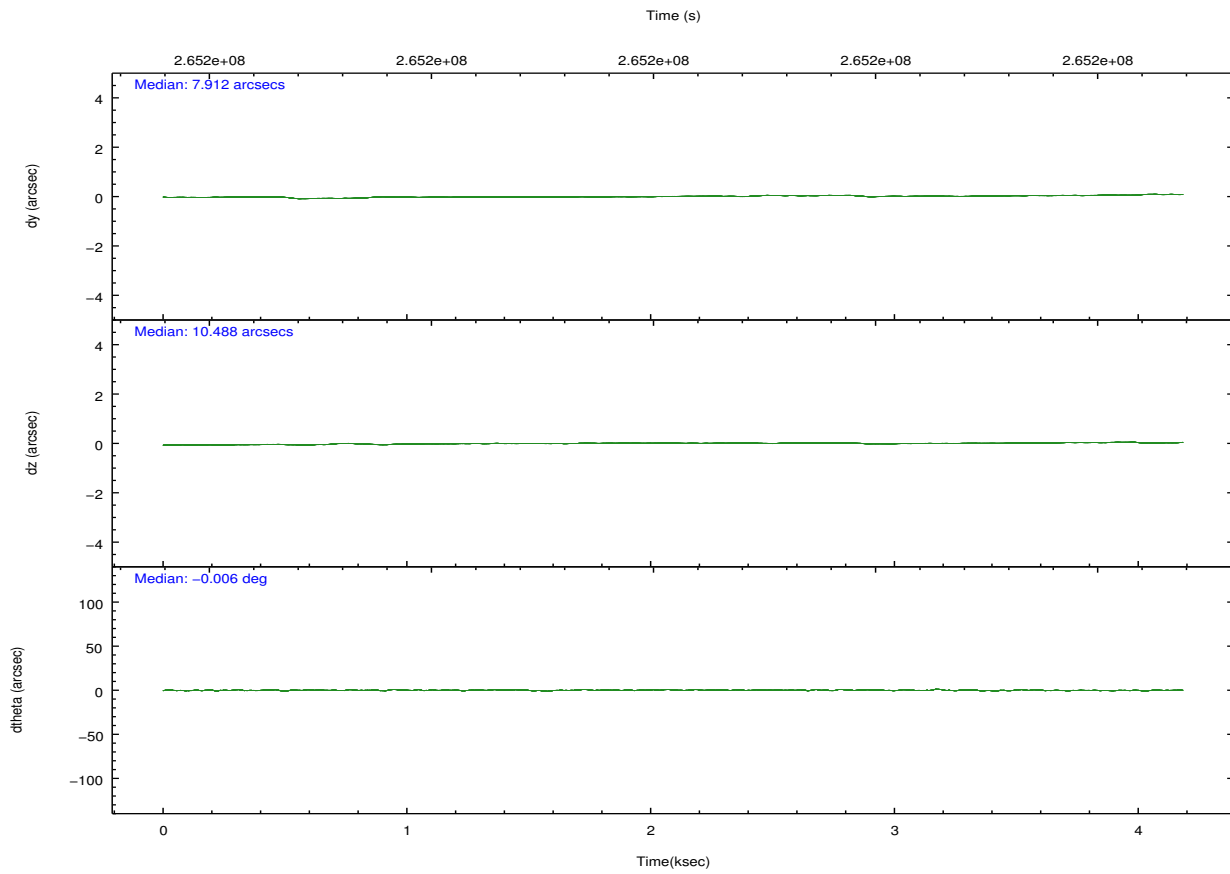
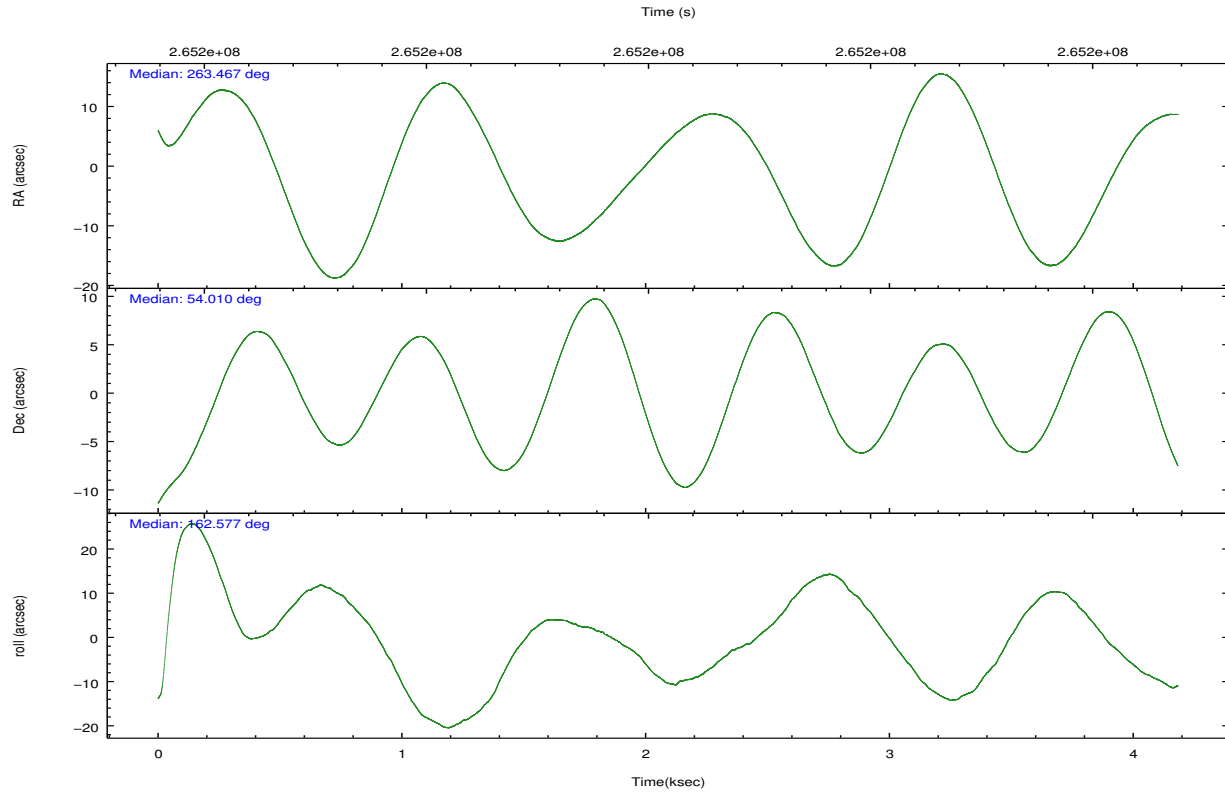
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36045	33393	53176	34107	46970	45981	grade 0 events	1808	1732	3409	1609	1734	2888
rejected events	32028	29420	28466	30026	27448	36604		5%	5%	6%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	79%	grade 1 events	22	25	266	17	48	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	813	763	6934	859	3925	2036
								2%	2%	13%	2%	8%	4%
							grade 3 events	366	378	941	408	1667	1029
								1%	1%	1%	1%	3%	2%
							grade 4 events	354	402	902	386	1631	966
								0%	1%	1%	1%	3%	2%
							grade 5 events	1271	1554	3957	1634	4411	1975
								3%	4%	7%	4%	9%	4%
							grade 6 events	682	702	12551	825	10580	2463
								1%	2%	23%	2%	22%	5%
							grade 7 events	30729	27837	24216	28369	22974	34600
								85%	83%	45%	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	263.511424	263.4664404525452	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.016723	54.01041563193604	Alternating exposures requested	N	N
[deg] Pointing Roll	162.383509	162.5764089233168	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	265200184.184000	265199013.95844			
Observation start date	2006-05-28T10:41:59	2006-05-28T10:23:33			
[s] Observation end time (MET)	265204184.184000	265204656.0712			
Observation end date	2006-05-28T11:48:39	2006-05-28T11:57:36			
Read mode	TIMED	TIMED			

2.3 Aspect



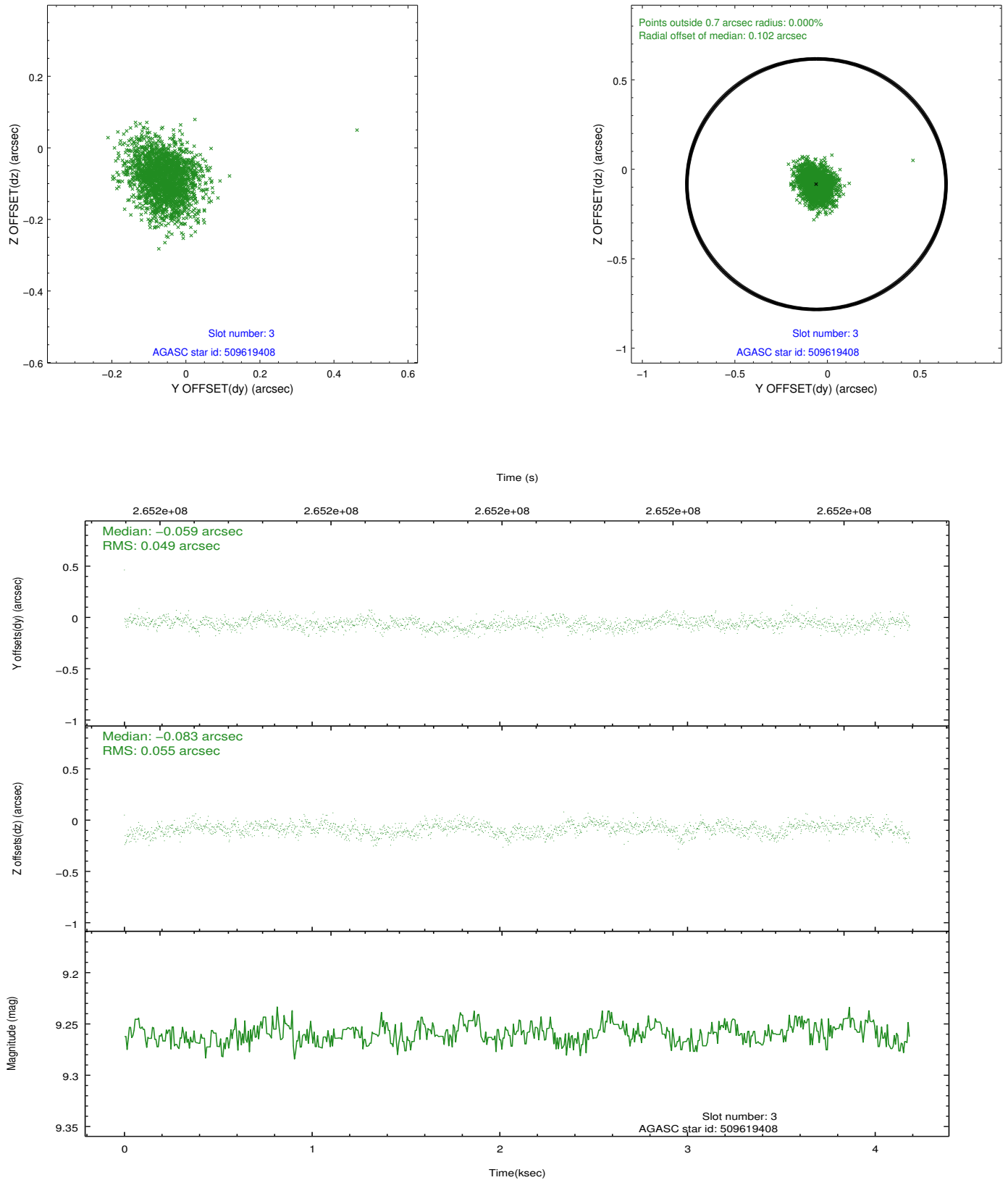


Slot Statistics

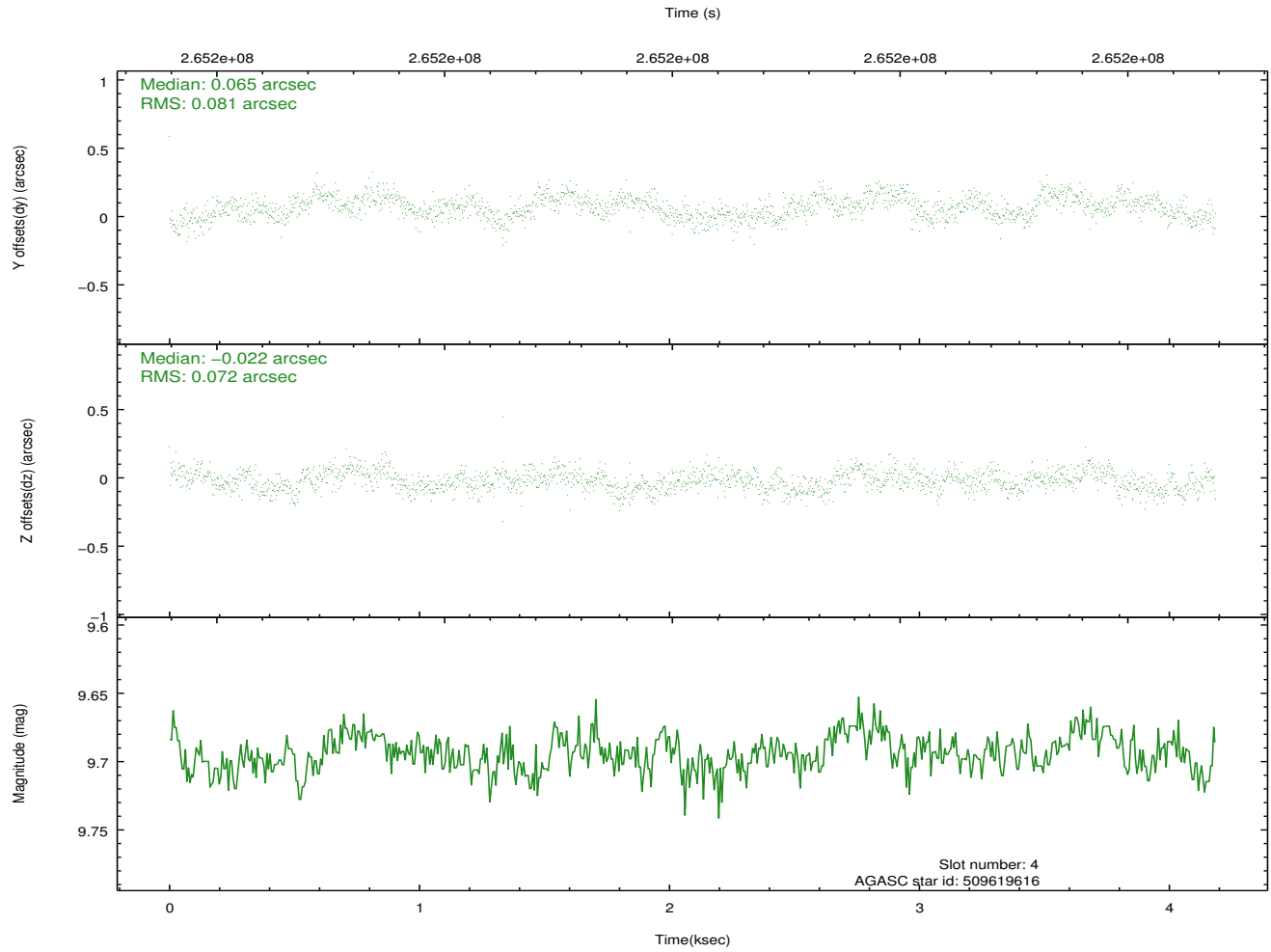
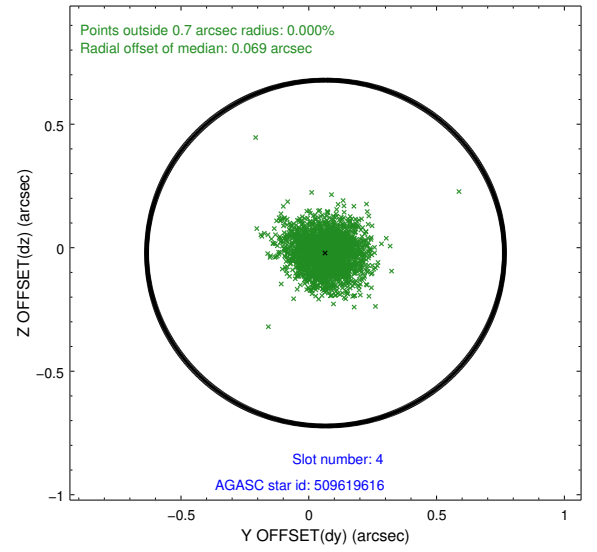
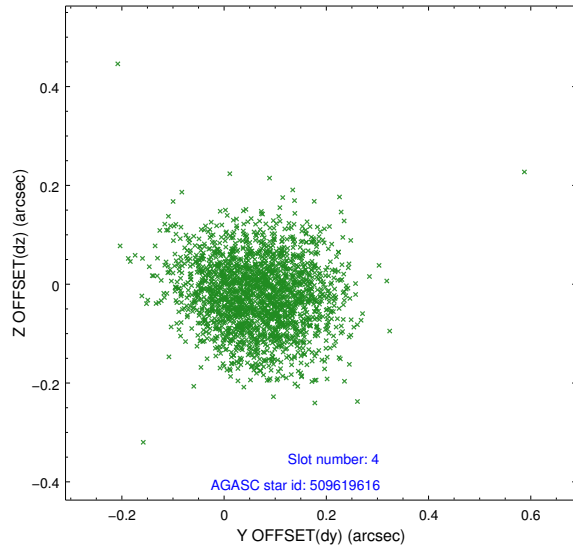
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1021	-0.050	-0.026	0.007	0.011	0.000000	0.000000	-760.69	-1731.74
1	FID	ACIS-S-4	7.21	1021	0.133	0.031	0.006	0.011	0.000000	0.000000	2152.04	175.35
2	FID	ACIS-S-5	7.24	1021	-0.113	0.003	0.007	0.012	0.000000	0.000000	-1811.74	170.57
3	GUIDE	509619408	9.26	2040	-0.059	-0.083	0.078	0.129	262.859346	53.951959	1248.68	634.65
4	GUIDE	509619616	9.69	2042	0.065	-0.022	0.114	0.181	263.183201	54.225440	887.63	-508.00
5	GUIDE	509620192	7.63	2042	0.039	0.056	0.071	0.111	262.861977	54.355780	1671.23	-756.97
6	GUIDE	509620912	7.94	2037	0.025	0.012	0.065	0.104	262.954750	54.366324	1496.48	-851.08
7	GUIDE	509742616	9.89	2038	-0.049	0.043	0.149	0.255	264.491892	53.905487	-2097.23	-261.40

2.4 Star Slots

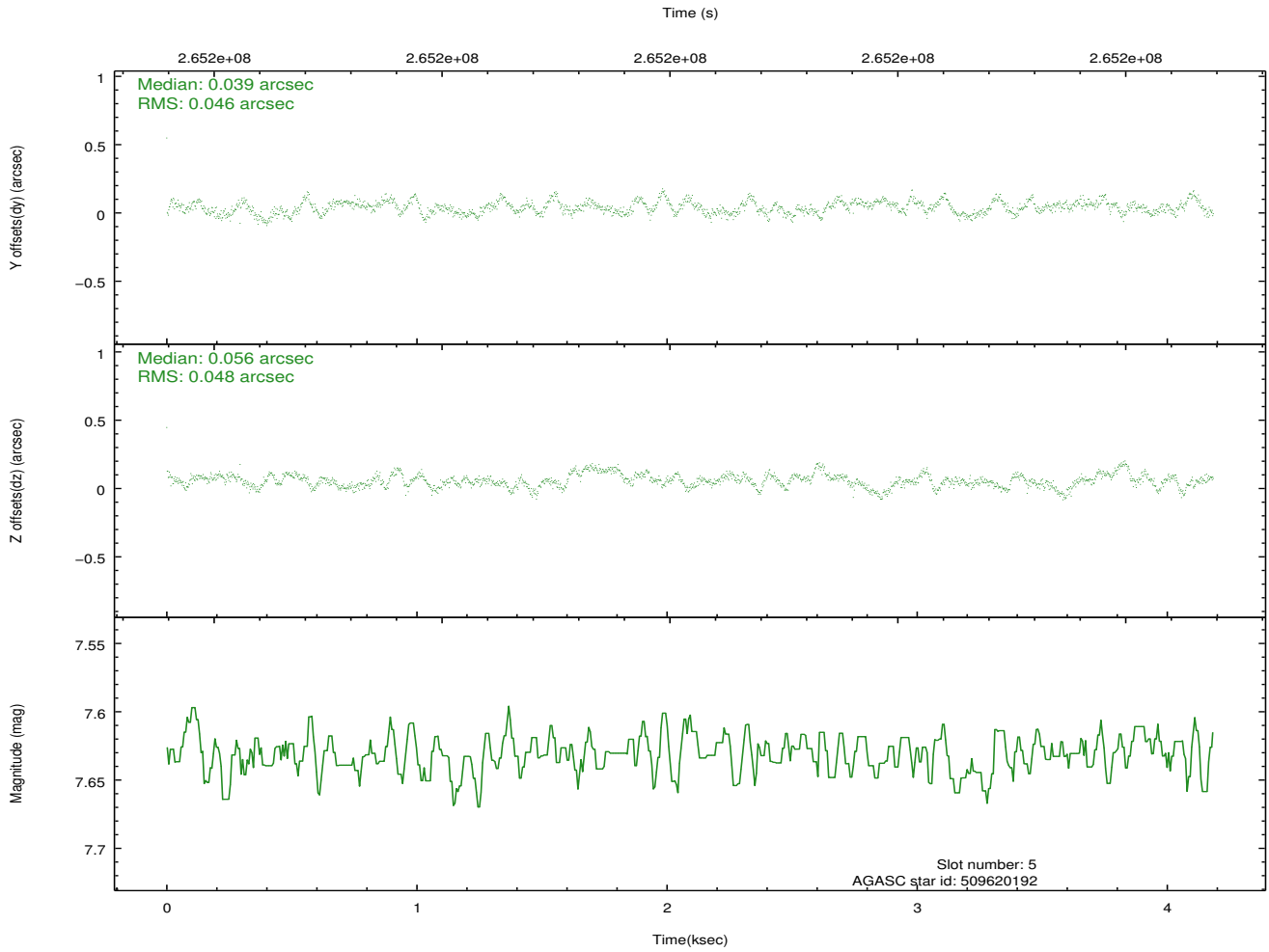
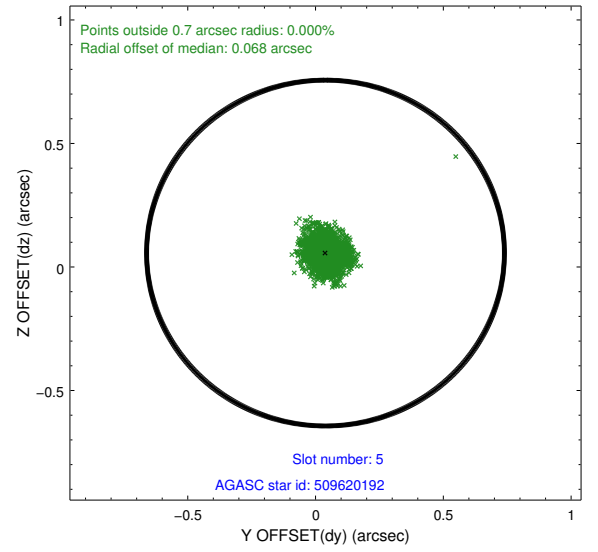
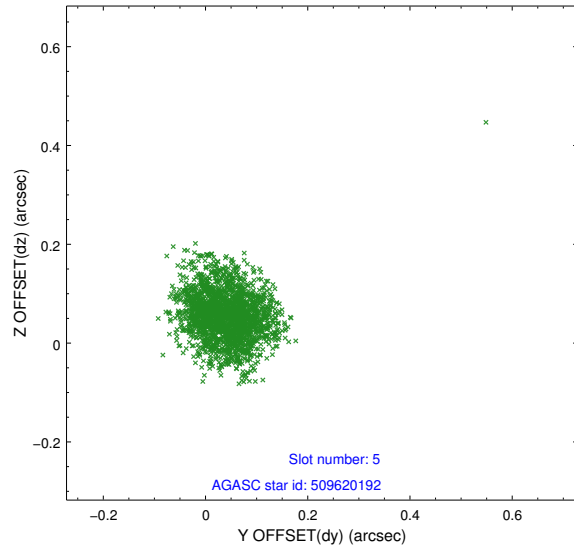
2.4.1 Slot 3



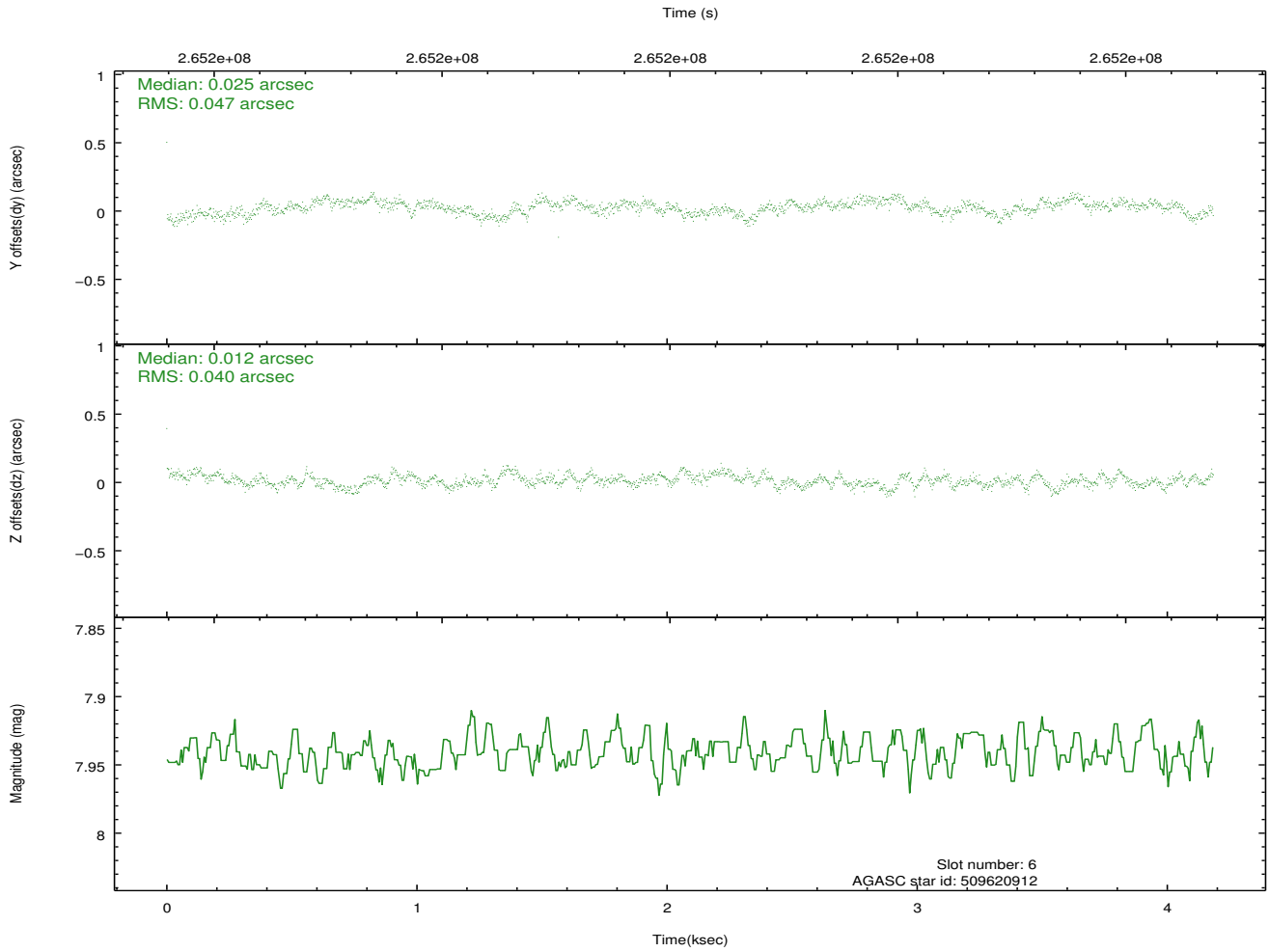
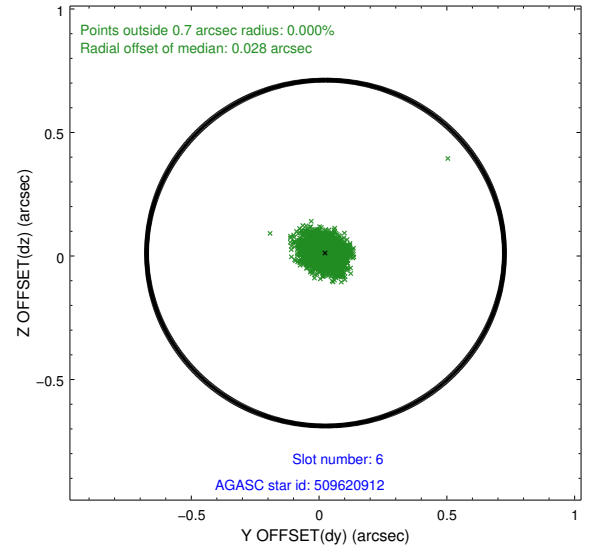
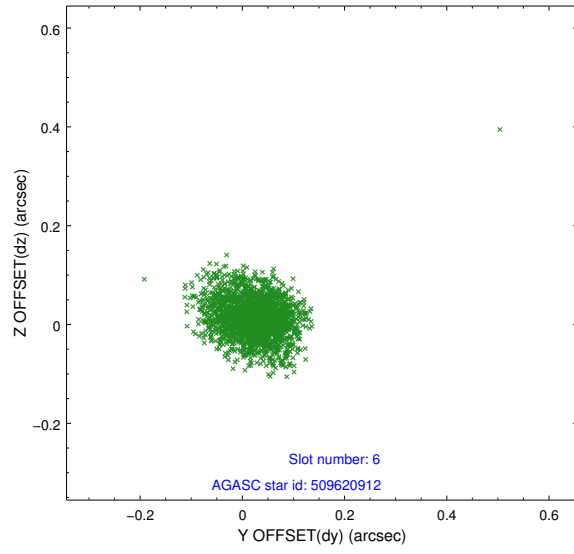
2.4.2 Slot 4



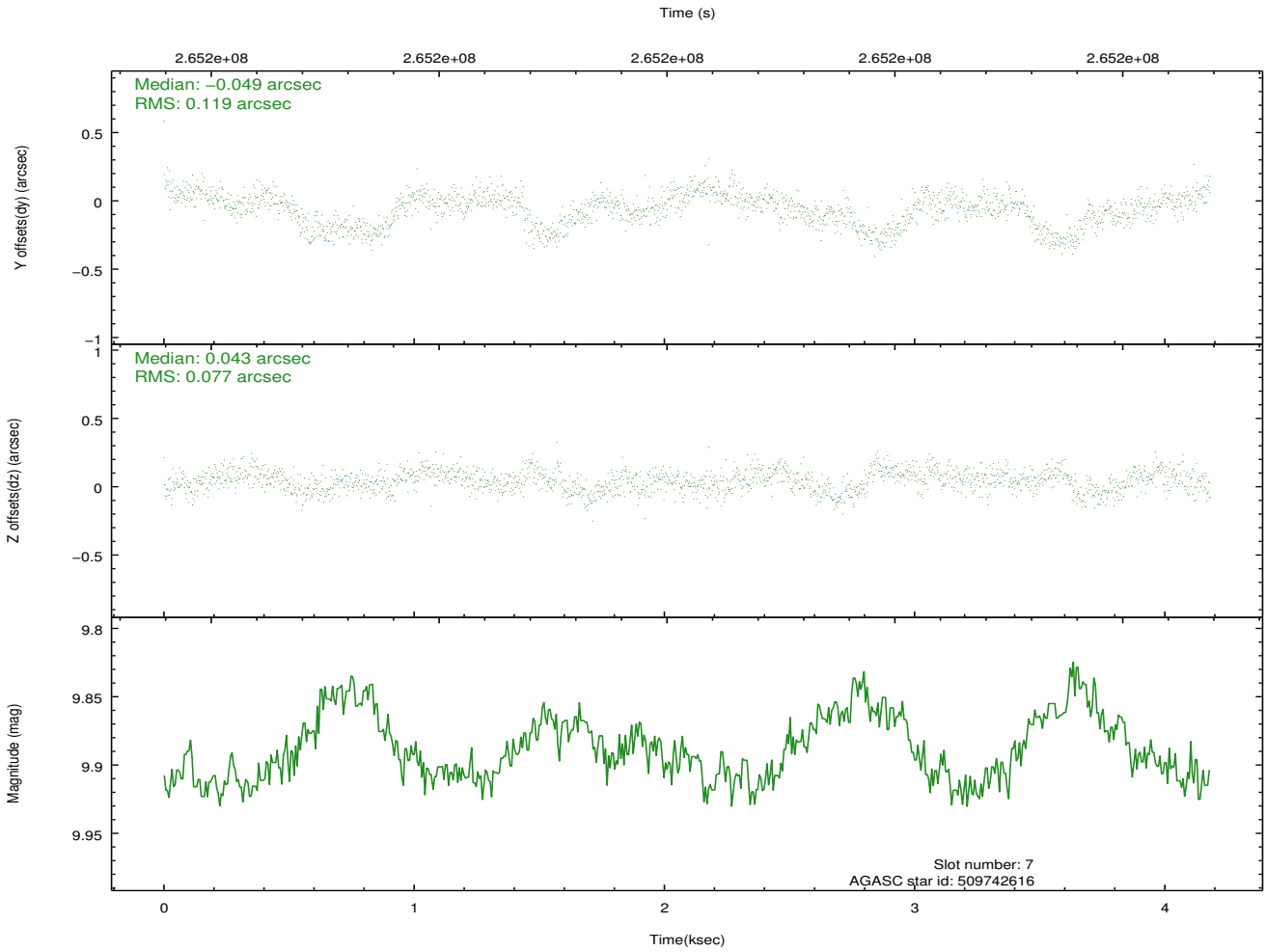
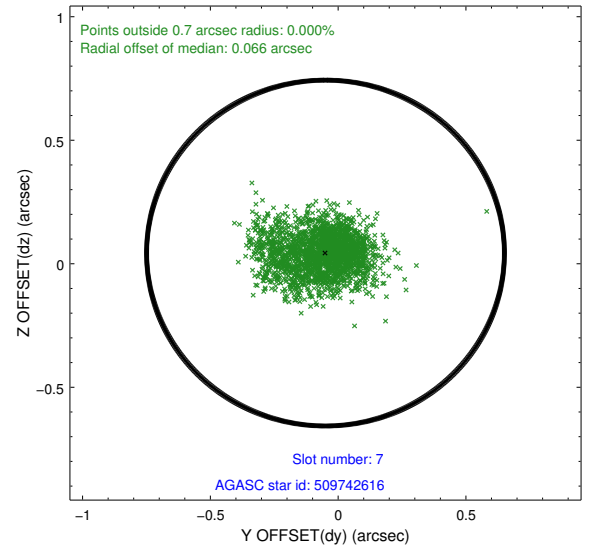
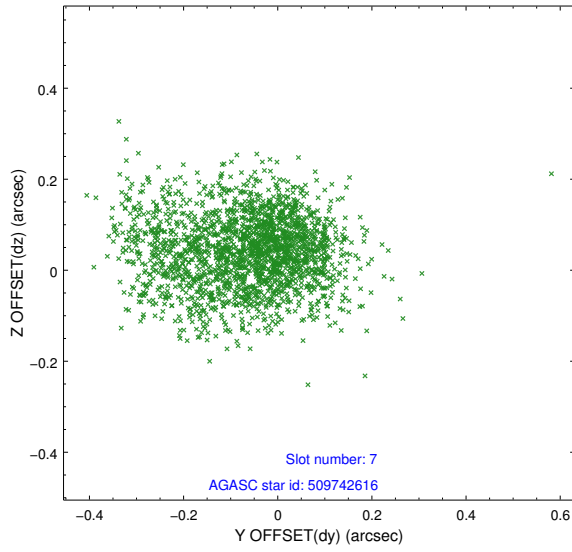
2.4.3 Slot 5



2.4.4 Slot 6

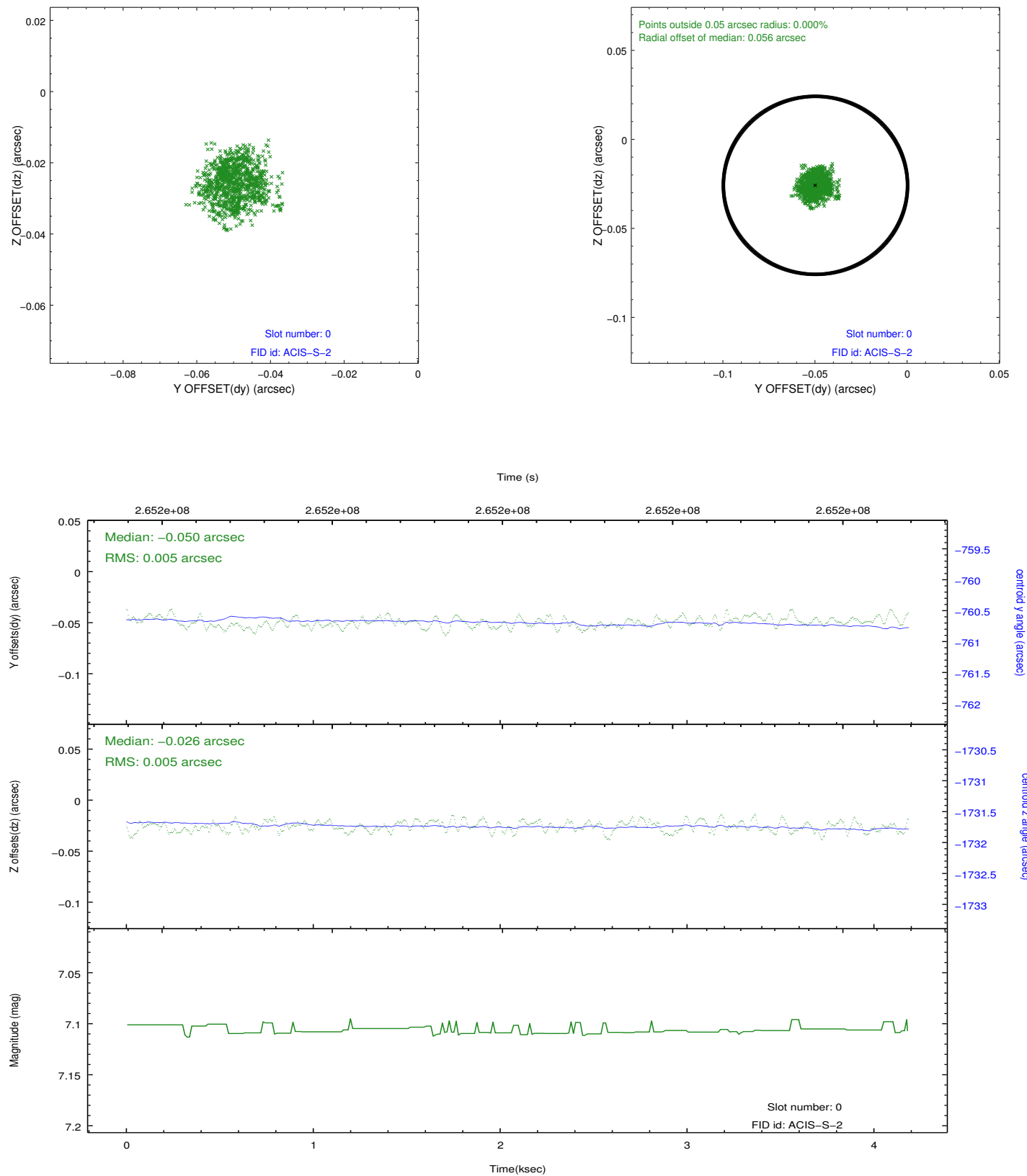


2.4.5 Slot 7

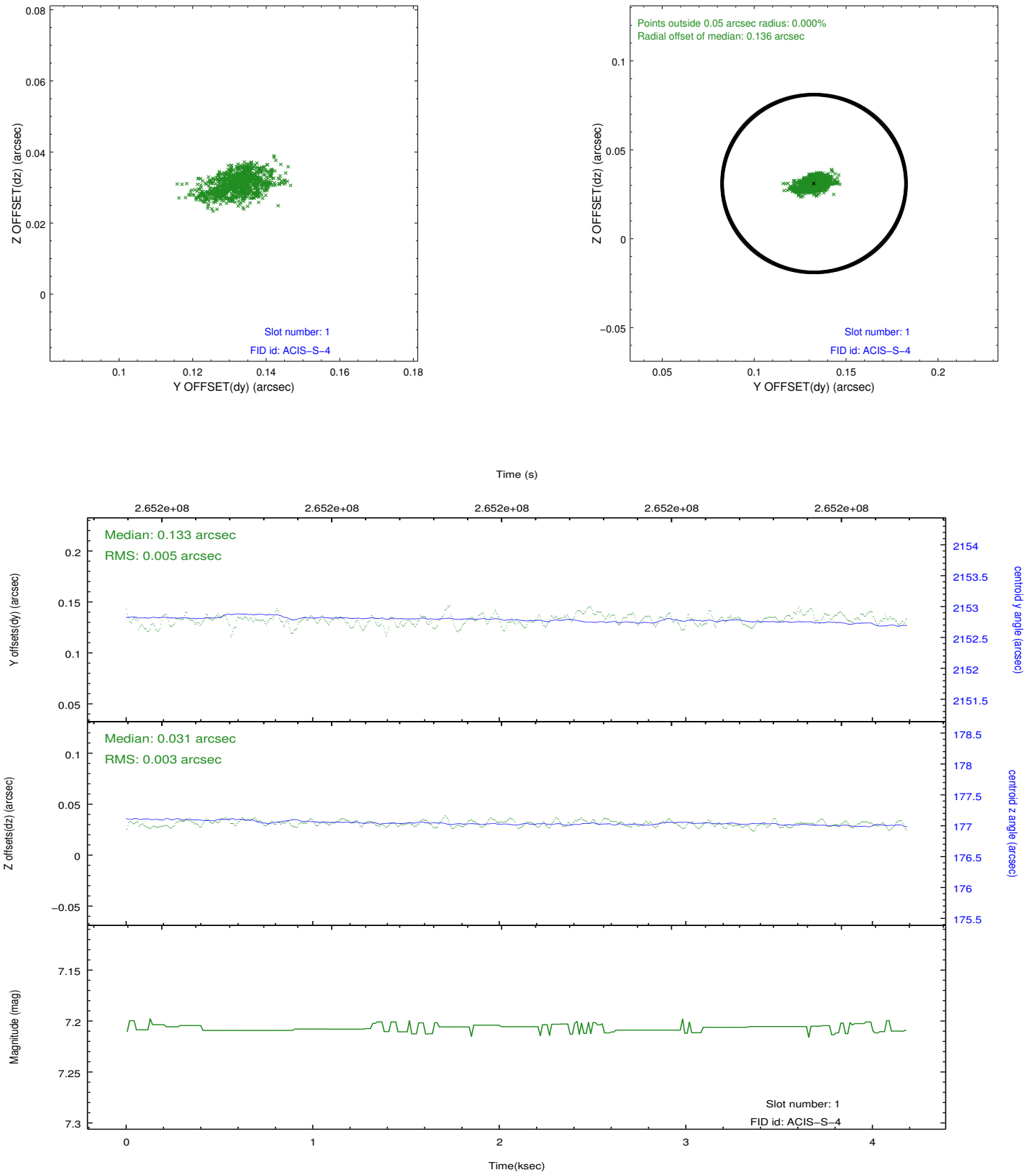


2.5 FID Slots

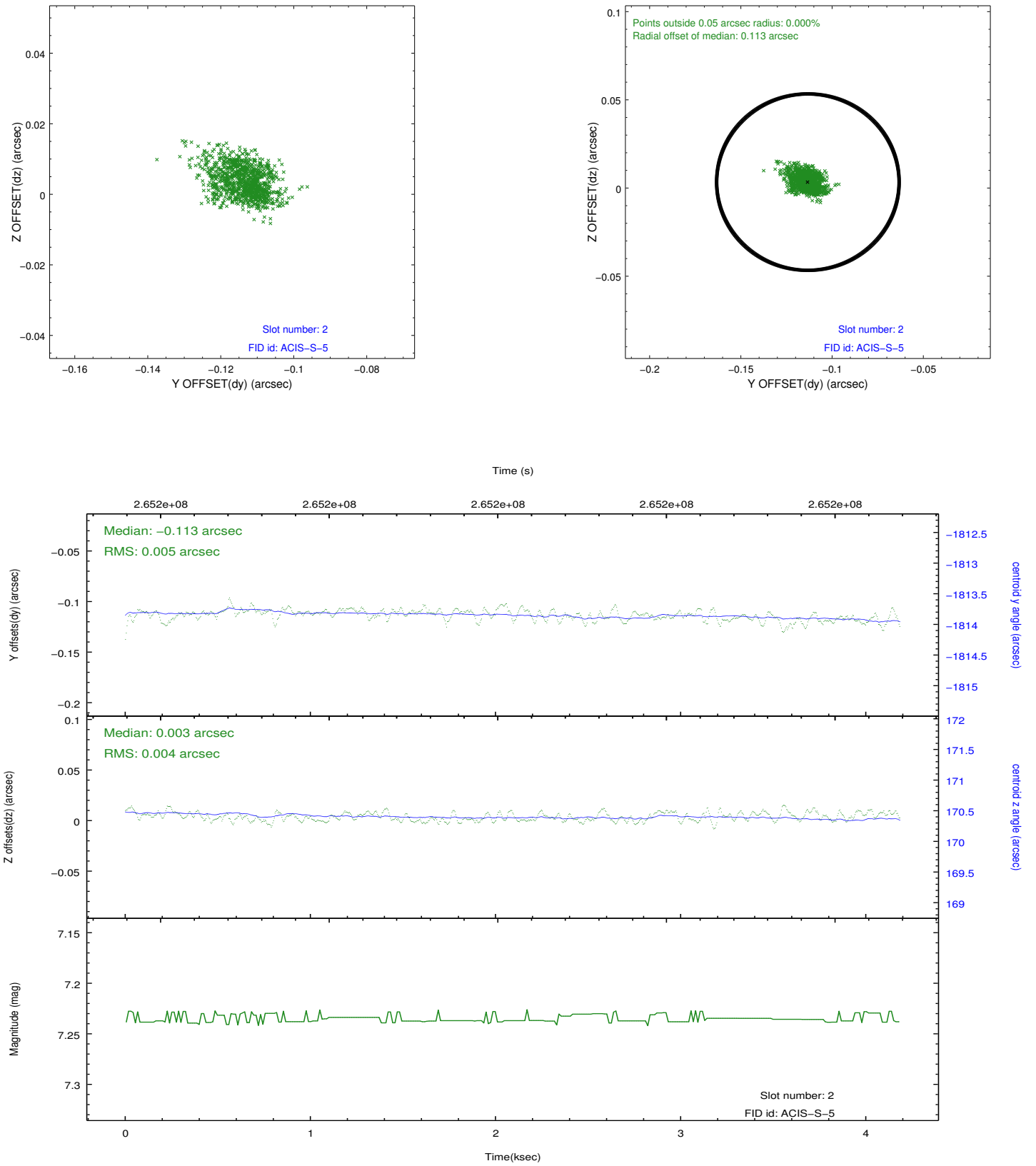
2.5.1 Slot 0



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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.75679998

A.2 Comments