

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6833 - L2 Version 2
Chandra X-Ray Center

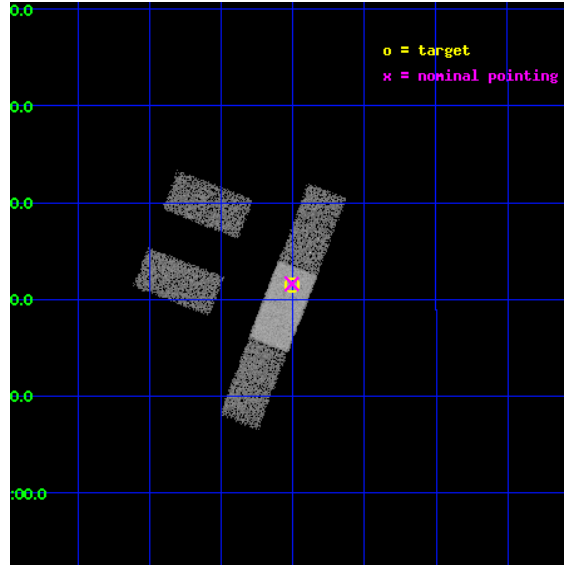
L2 Processing Date : Apr 2 2012

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1 Front

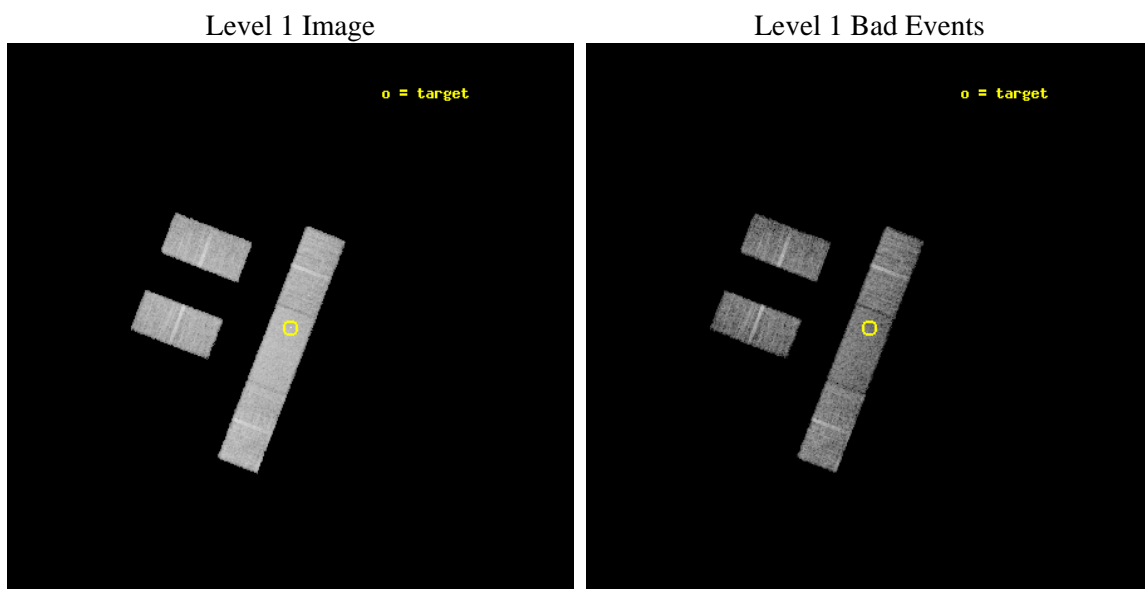
seq_num	701251	Sequence number
obs_id	6833	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.1269640031	Nominal RA [deg]
dec_nom	3.3601463176298	Nominal Dec [deg]
roll_nom	111.17386444948	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8144.6999428868	Sum of GTIs [s]
livetime	7952.7121162682	Livetime [s]
ontime2	8144.6999428868	Sum of GTIs [s]
ontime3	8144.6999428868	Sum of GTIs [s]
ontime6	8144.6999428868	Sum of GTIs [s]
ontime7	8144.6999428868	Sum of GTIs [s]
ontime8	8144.6999428868	Sum of GTIs [s]
l2events	38016	Number of level 2 events



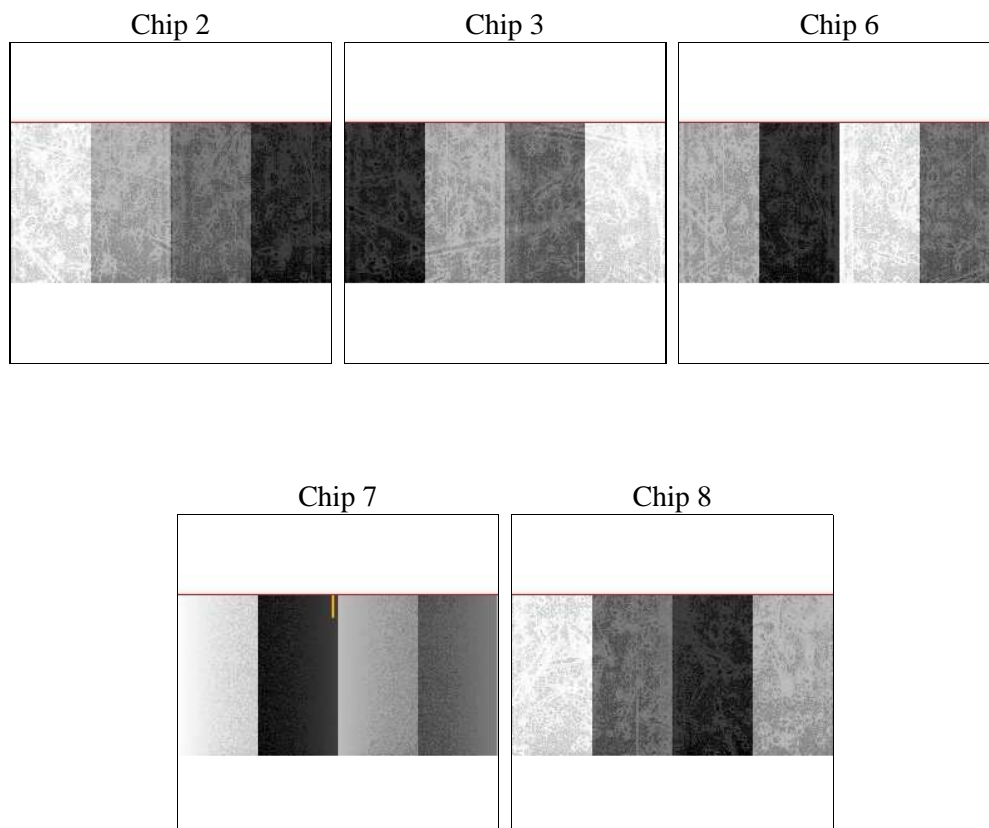
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8144.6999428868	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8144.6999428868	Sum of GTIs [s]
date	2012-04-02T03:55:53	Date and time of file creation	ontime3	8144.6999428868	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8144.6999428868	Sum of GTIs [s]
			ontime7	8144.6999428868	Sum of GTIs [s]
			ontime8	8144.6999428868	Sum of GTIs [s]
			l1events	235948	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	41592	41509	42956	55278	54613
rejected events	36945	36905	38160	32922	44265
rejected %	88%	88%	88%	59%	81%

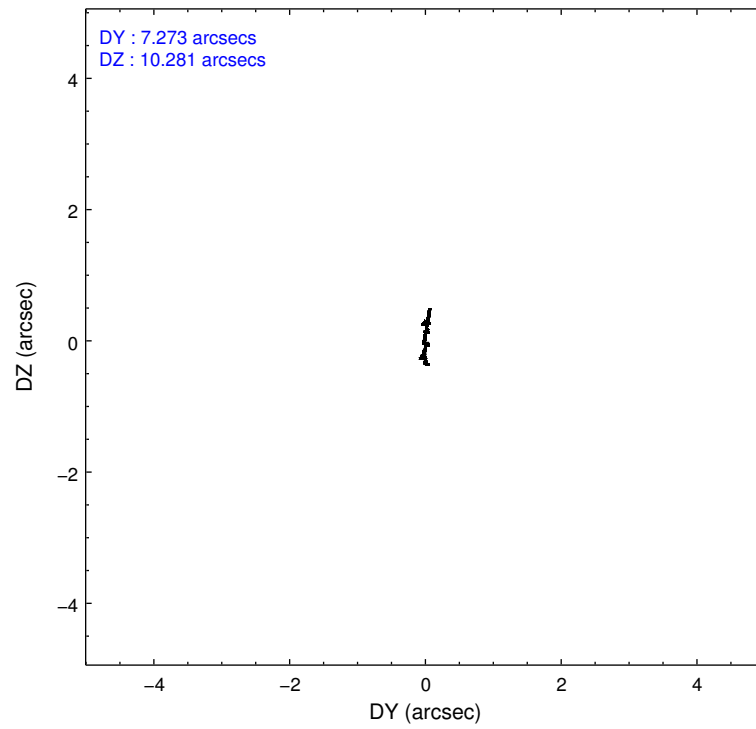
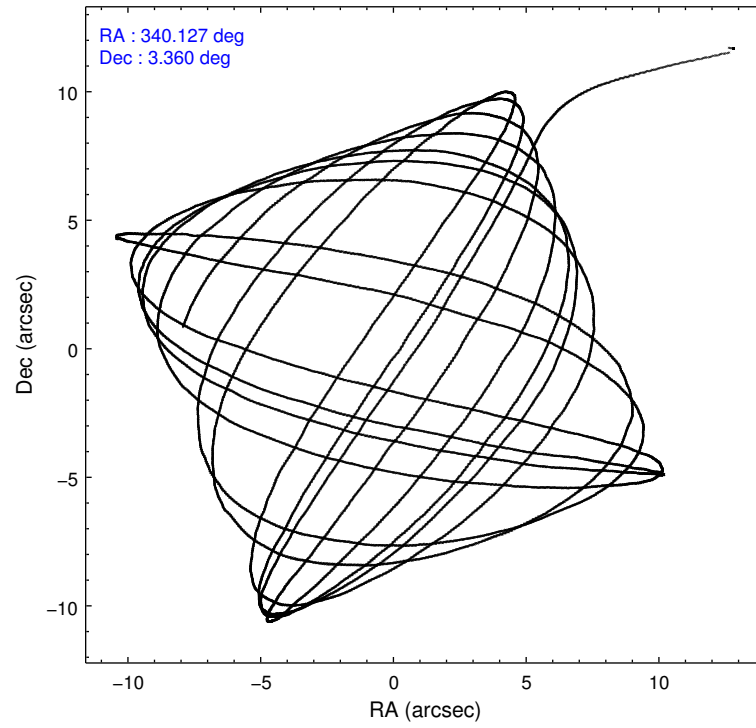
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2036	2028	1901	2169	3357
	4%	4%	4%	3%	6%
grade 1 events	24	22	15	52	27
	0%	0%	0%	0%	0%
grade 2 events	965	875	1003	4885	2321
	2%	2%	2%	8%	4%
grade 3 events	554	579	566	2235	1287
	1%	1%	1%	4%	2%
grade 4 events	580	549	596	2241	1135
	1%	1%	1%	4%	2%
grade 5 events	1512	1910	1861	5281	2425
	3%	4%	4%	9%	4%
grade 6 events	762	804	993	11966	2785
	1%	1%	2%	21%	5%
grade 7 events	35159	34742	36021	26449	41276
	84%	83%	83%	47%	75%

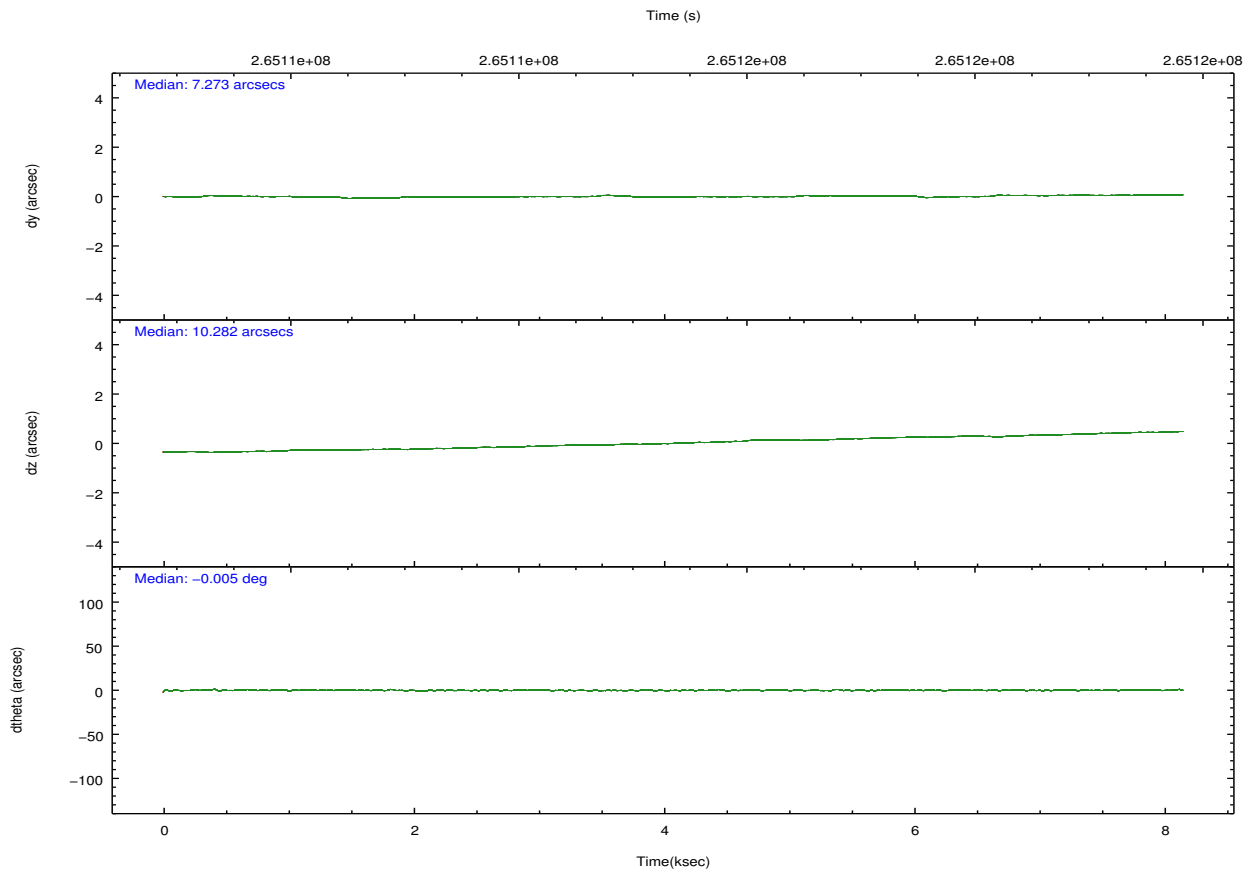
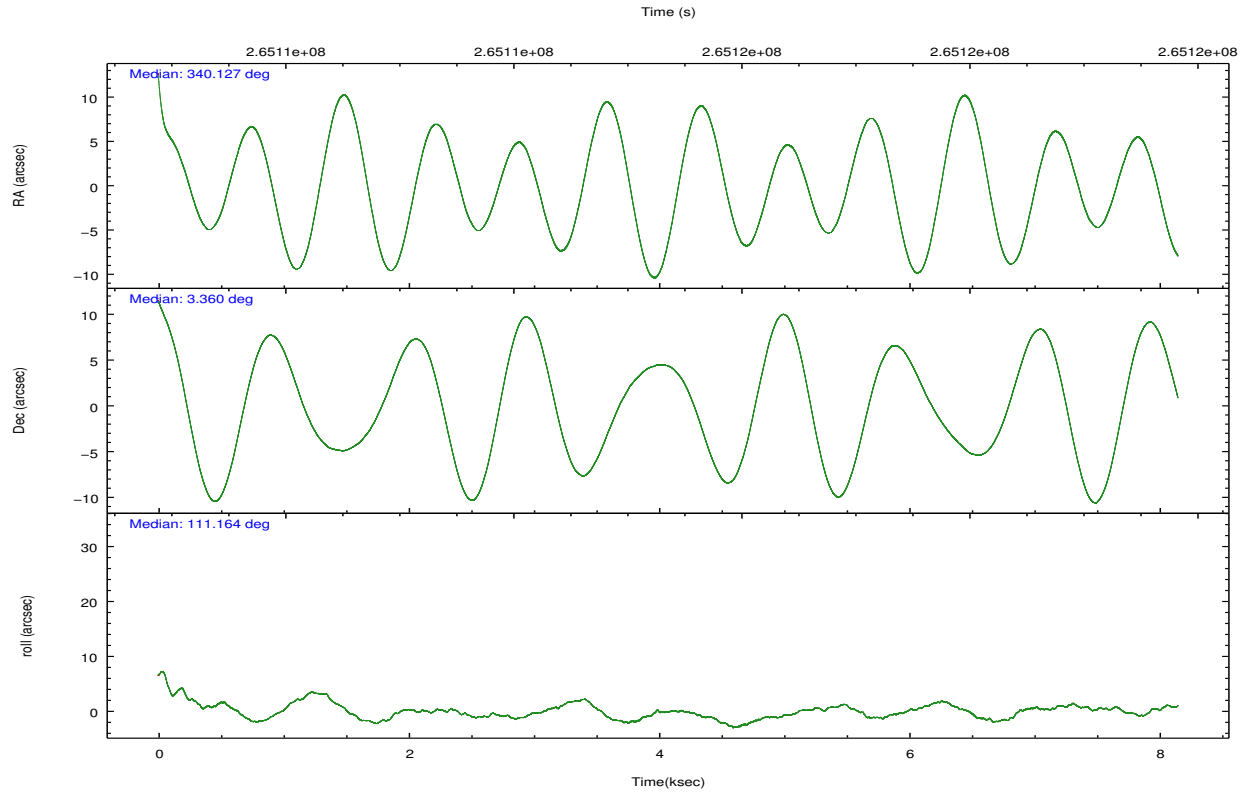
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	340.148433	340.1269640030986
[deg] Pointing Dec	3.343313	3.360146317629753
[deg] Pointing Roll	111.015983	111.173864449483
[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)	265111420.184000	265110415.5168
Observation start date	2006-05-27T10:02:35	2006-05-27T09:46:55
[s] Observation end time (MET)	265119420.184000	265120221.69226
Observation end date	2006-05-27T12:15:55	2006-05-27T12:30:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.7

2.3 Aspect



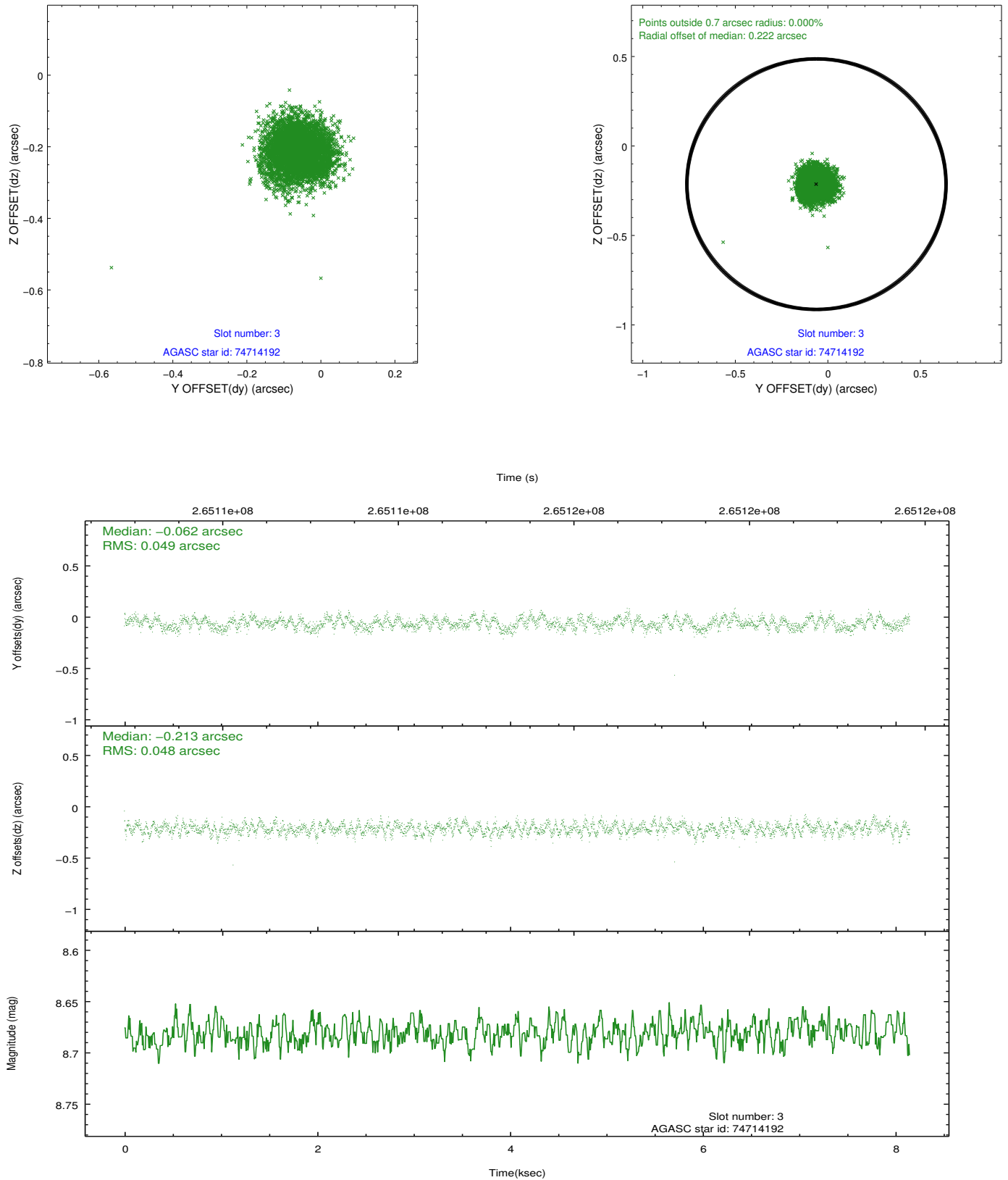


Slot Statistics

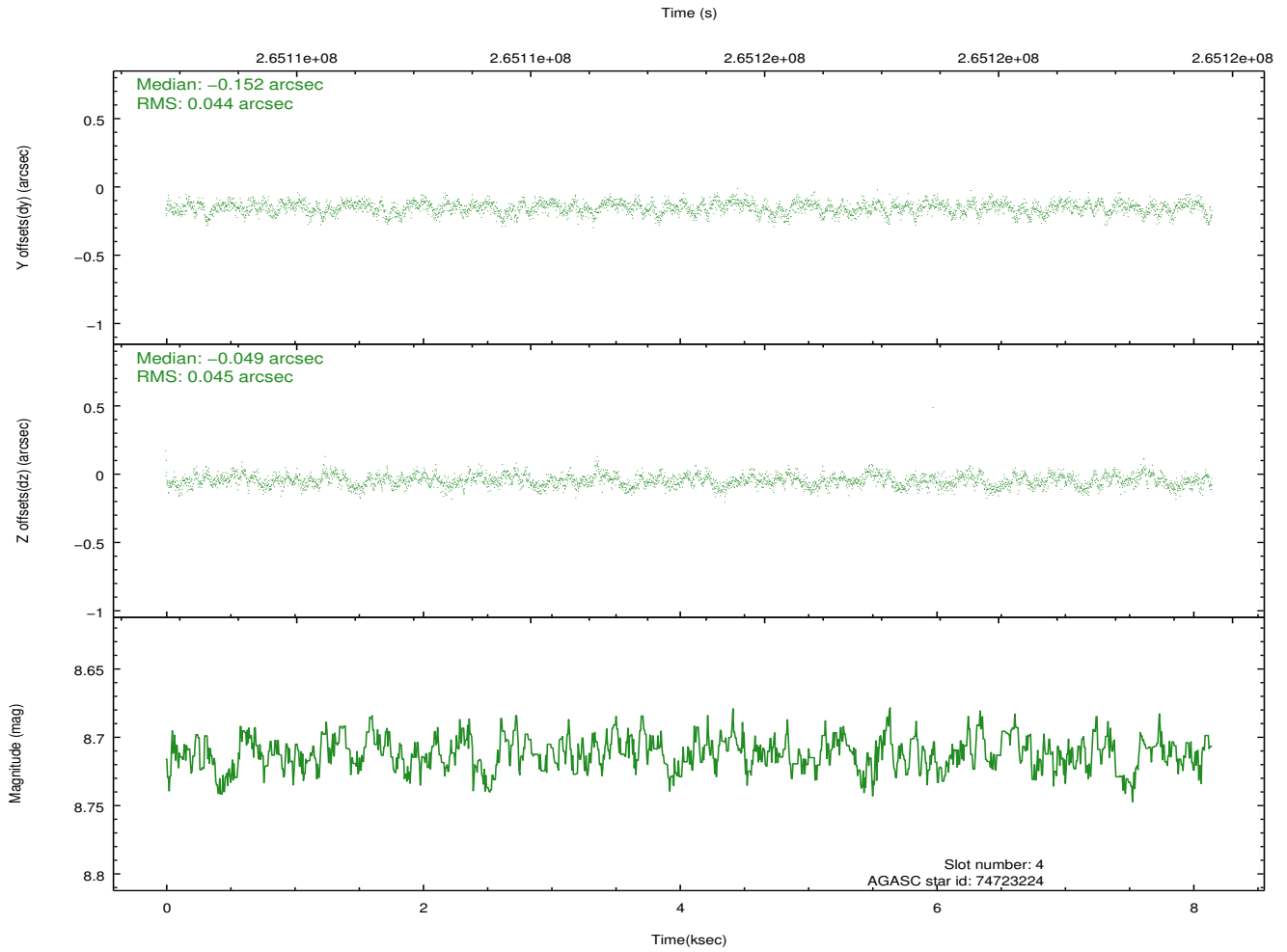
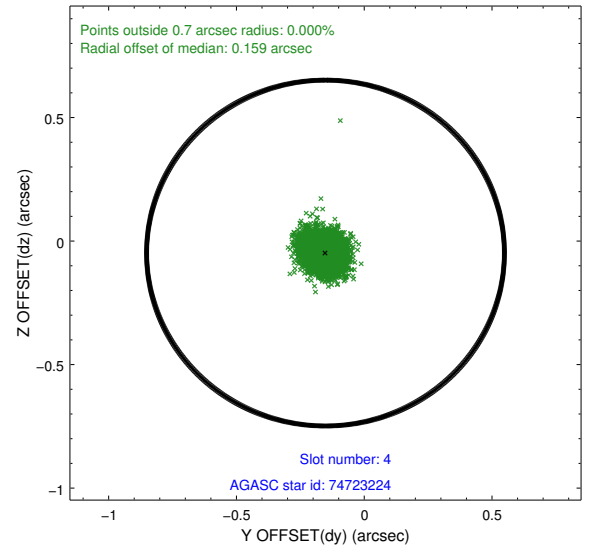
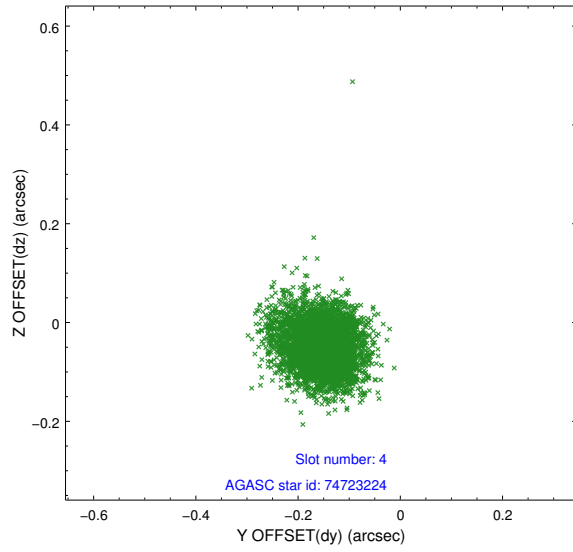
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1988	-0.054	-0.022	0.008	0.013	0.000000	0.000000	-760.05	-1731.60
1	FID	ACIS-S-4	7.21	1988	0.107	0.032	0.005	0.009	0.000000	0.000000	2153.03	176.29
2	FID	ACIS-S-5	7.24	1988	-0.085	-0.001	0.007	0.012	0.000000	0.000000	-1812.09	170.63
3	GUIDE	74714192	8.68	3975	-0.062	-0.213	0.074	0.113	339.623837	3.342441	673.41	1760.84
4	GUIDE	74723224	8.71	3976	-0.152	-0.049	0.066	0.107	339.594650	3.574222	1489.95	1559.81
5	GUIDE	74842128	8.53	3973	0.337	0.031	0.064	0.101	340.118134	3.132788	-667.73	374.03
6	GUIDE	74854992	8.28	3975	0.001	0.207	0.051	0.082	340.342808	3.603730	624.75	-987.51
7	GUIDE	74855640	8.86	3971	-0.121	0.024	0.061	0.100	340.341123	3.746937	1108.54	-1167.27

2.4 Star Slots

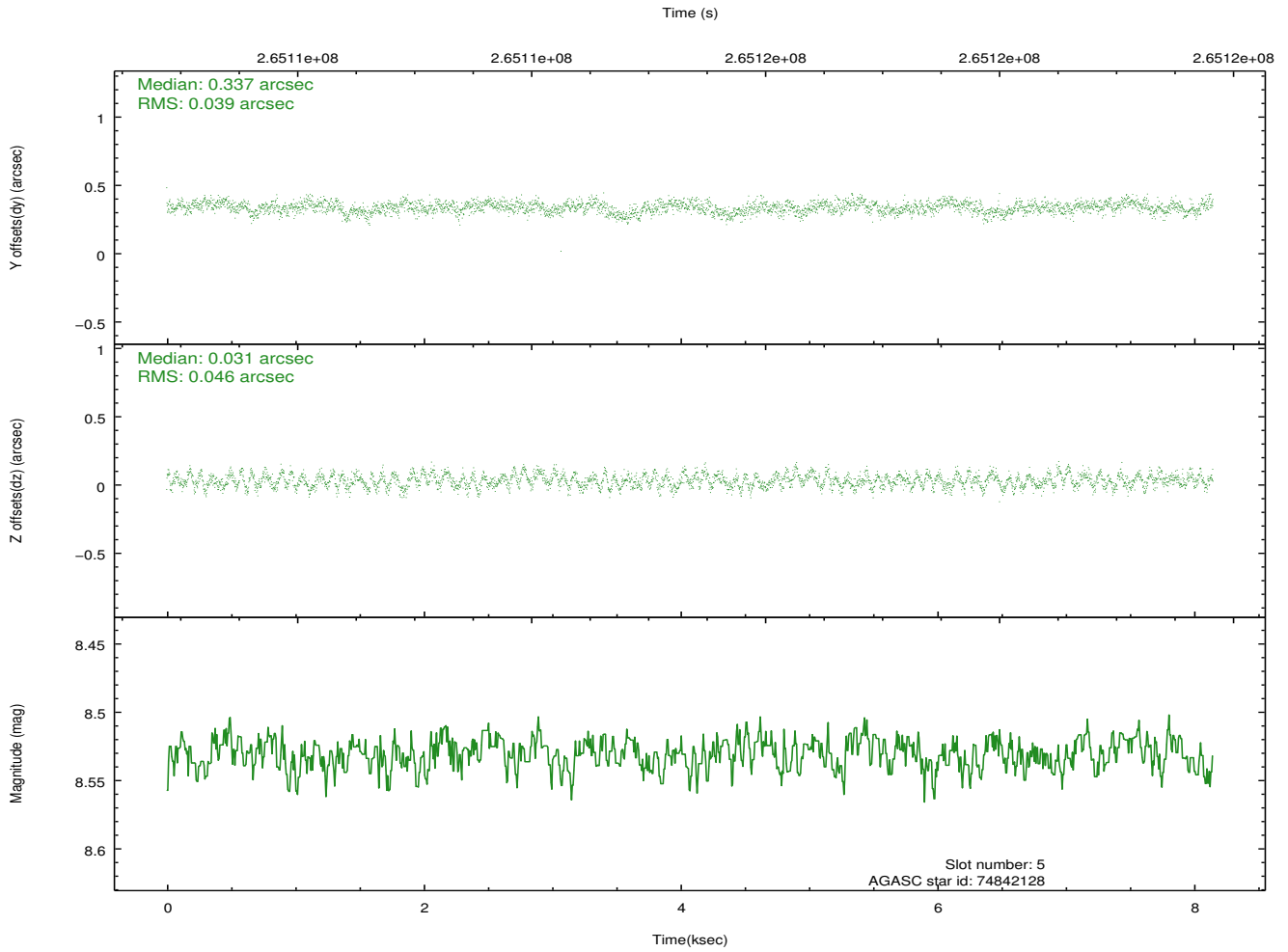
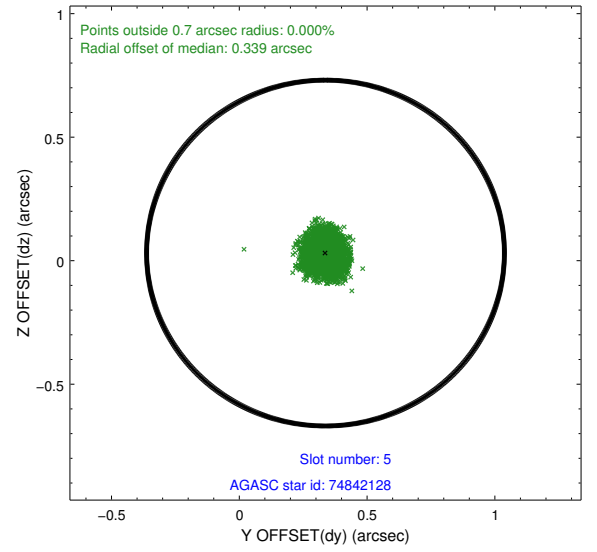
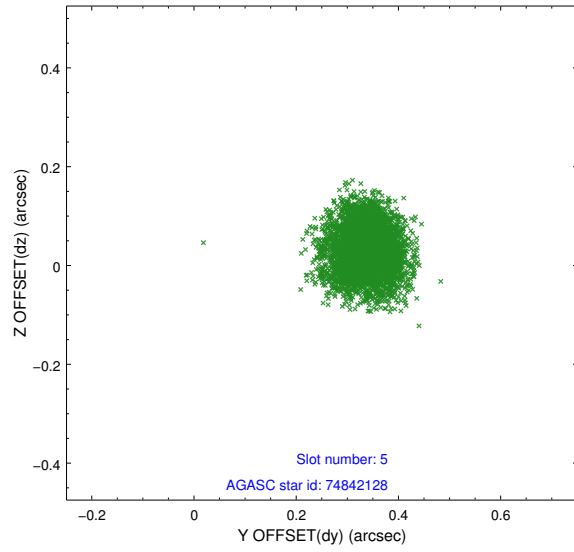
2.4.1 Slot 3



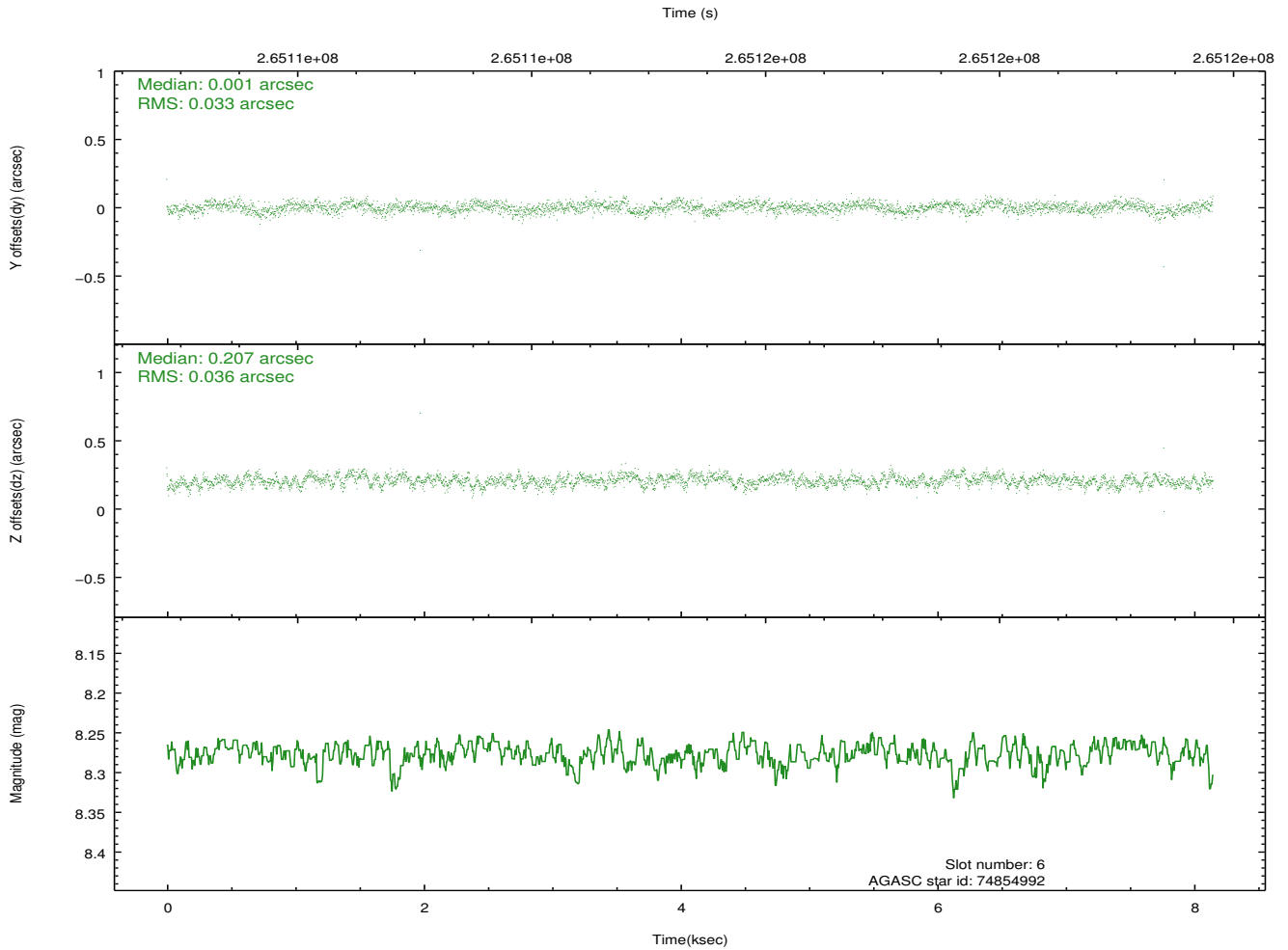
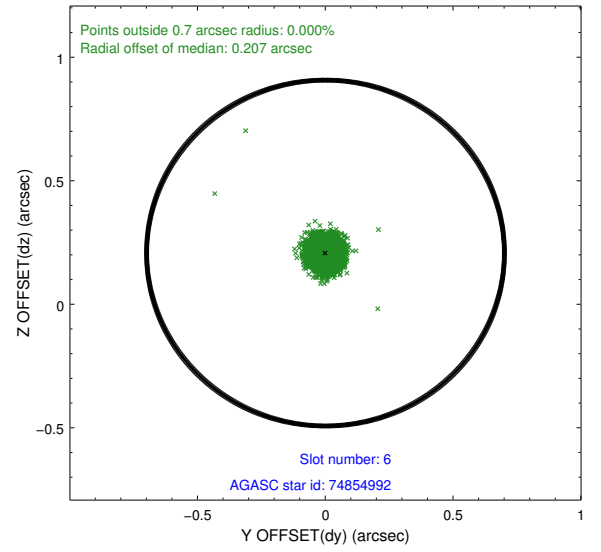
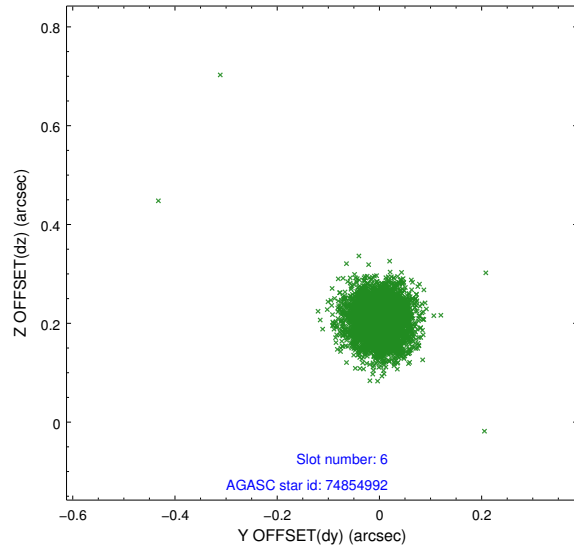
2.4.2 Slot 4



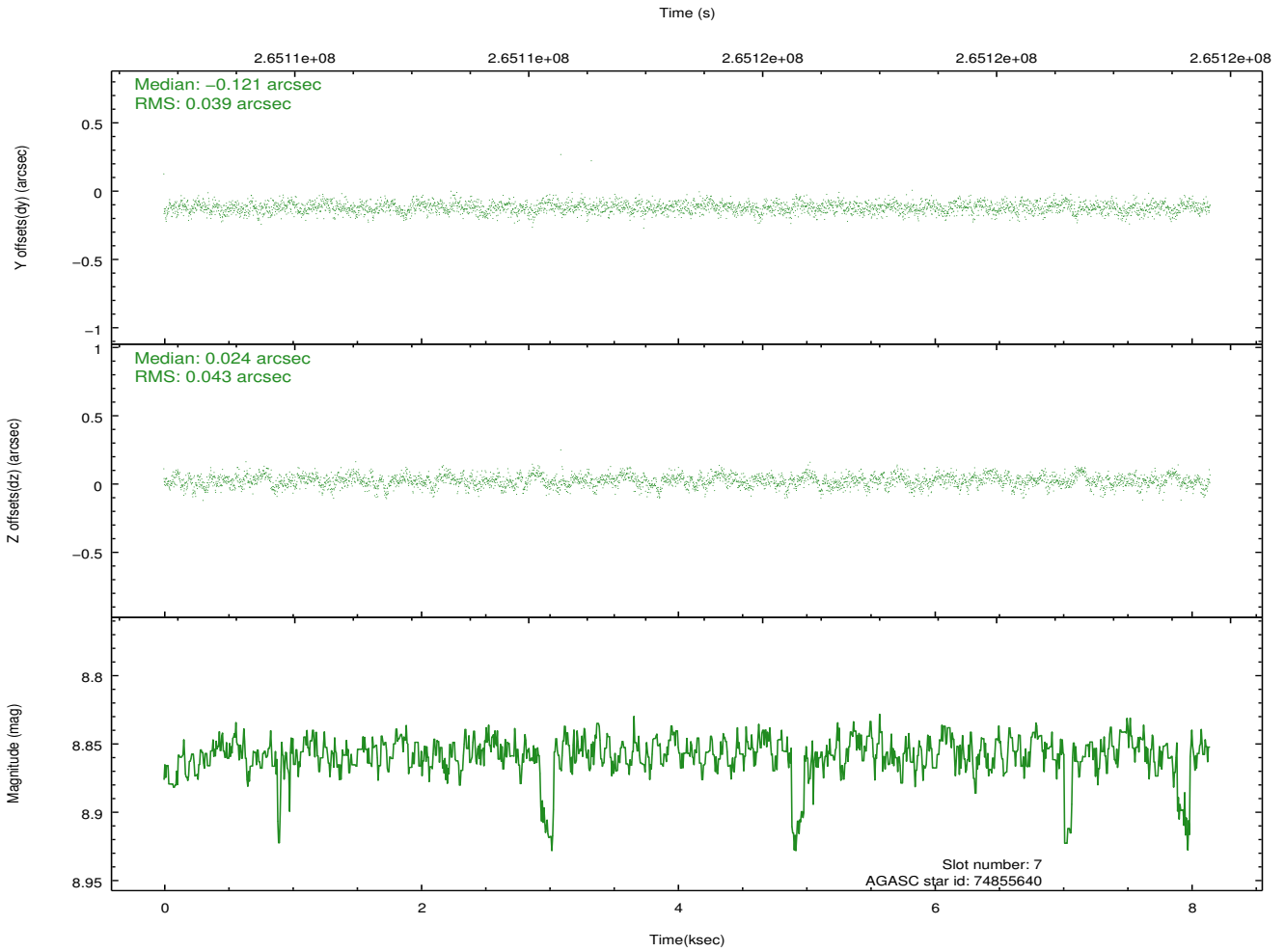
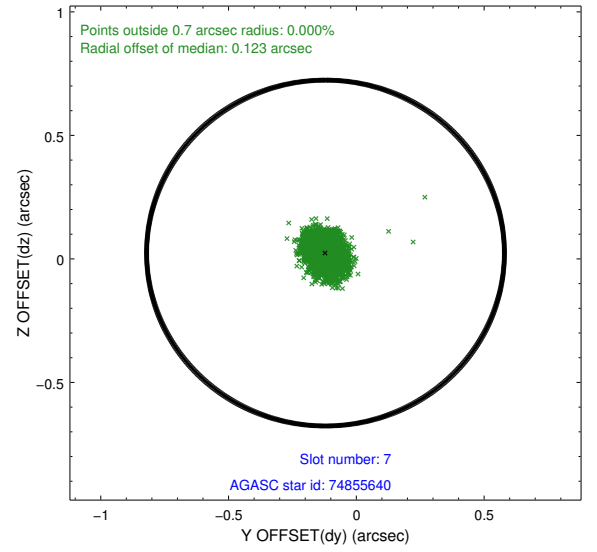
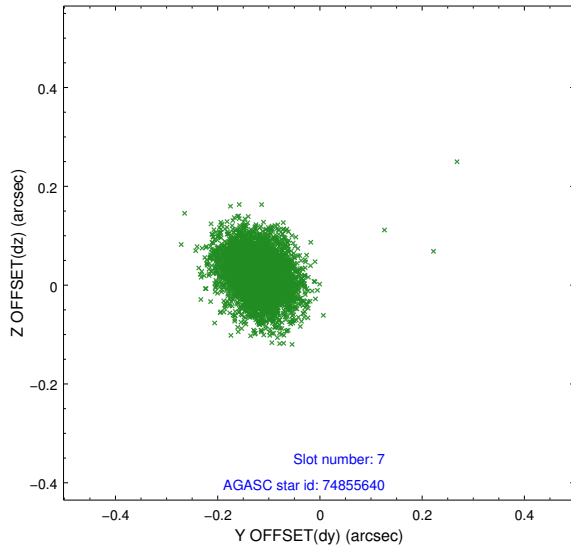
2.4.3 Slot 5



2.4.4 Slot 6

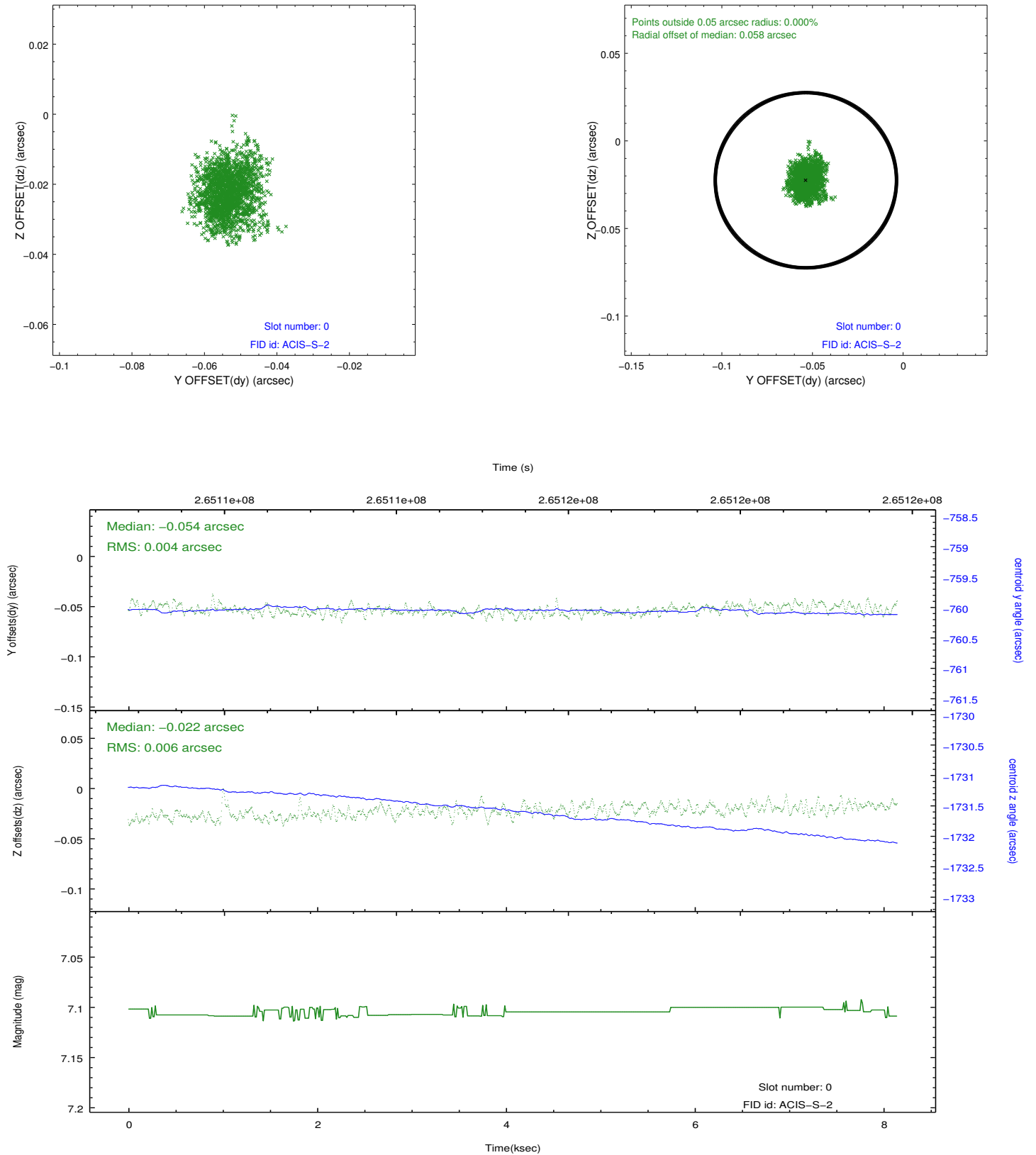


2.4.5 Slot 7

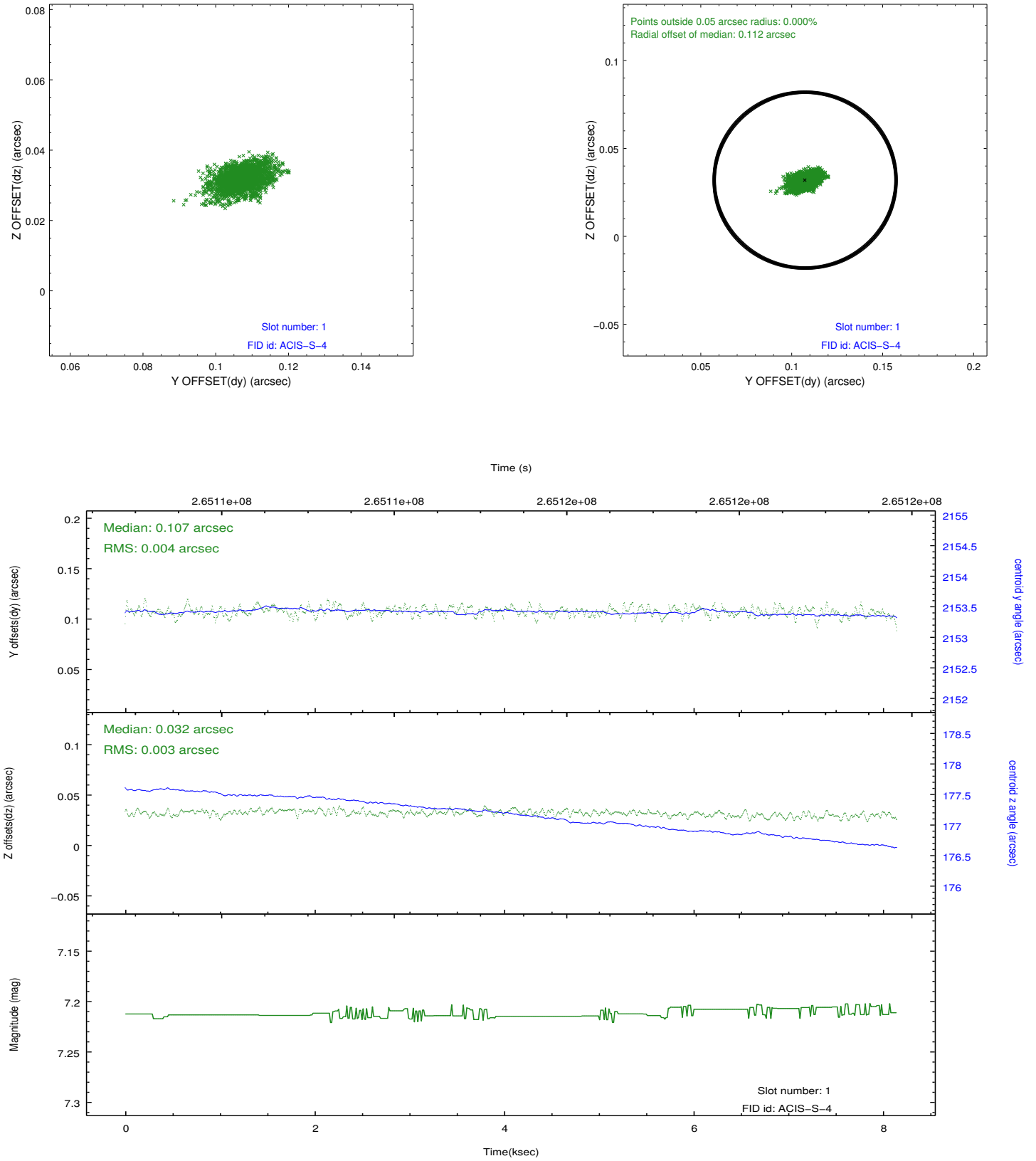


2.5 FID Slots

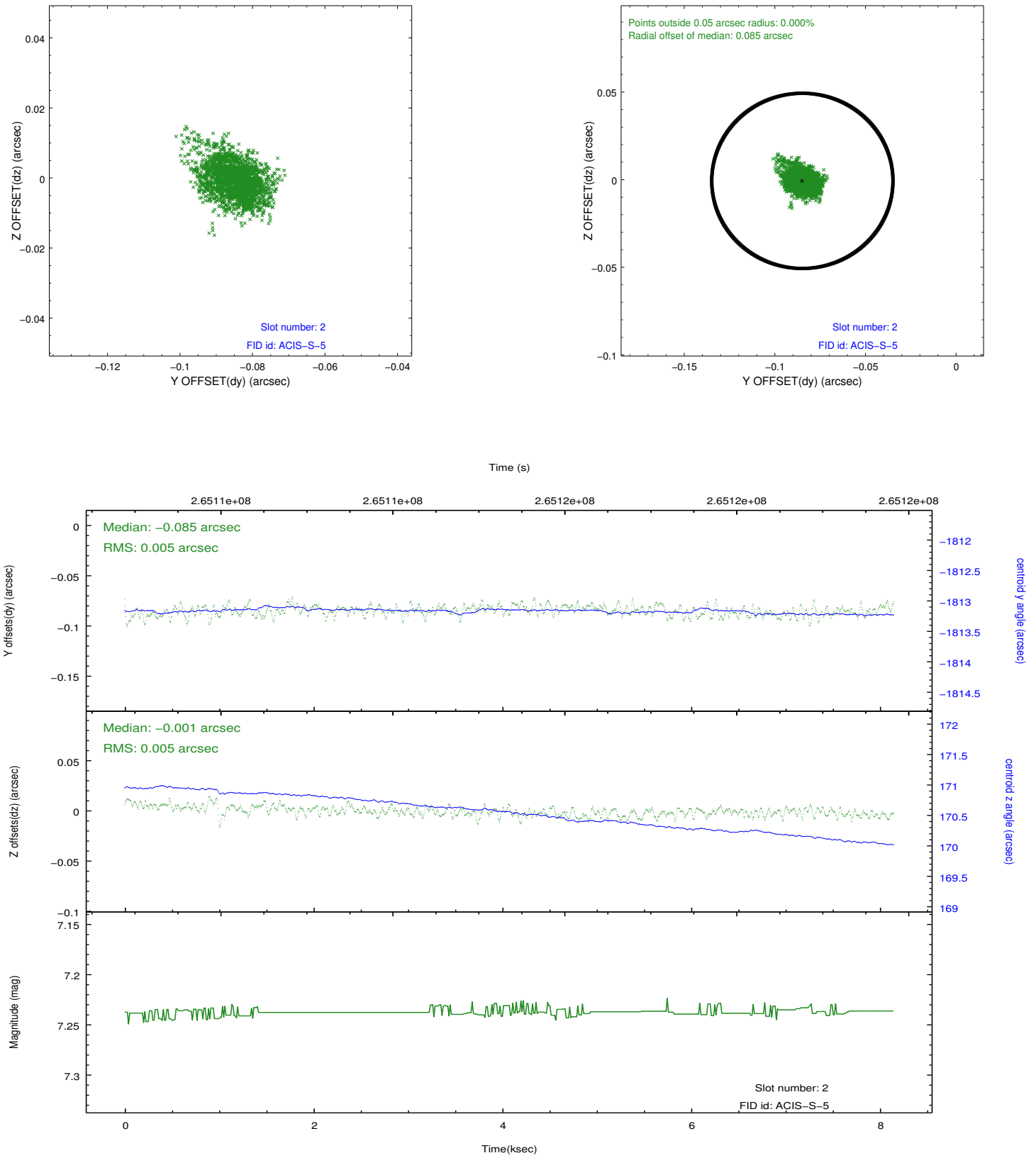
2.5.1 Slot 0



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	8.14469994

A.2 Comments