

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6834 - L2 Version 2
Chandra X-Ray Center

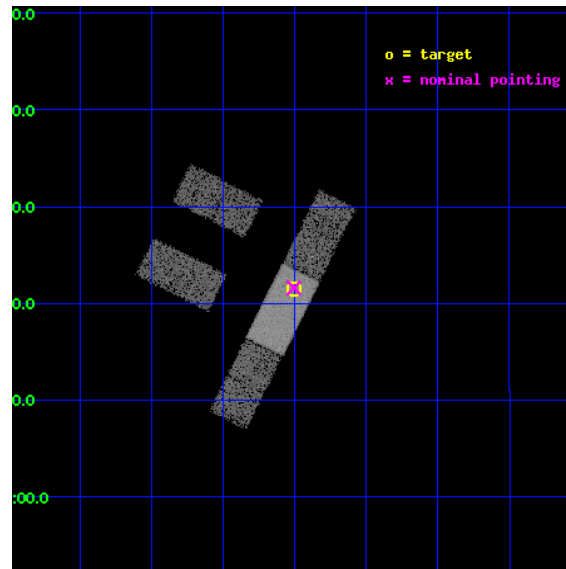
L2 Processing Date : Apr 4 2012

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1 Front

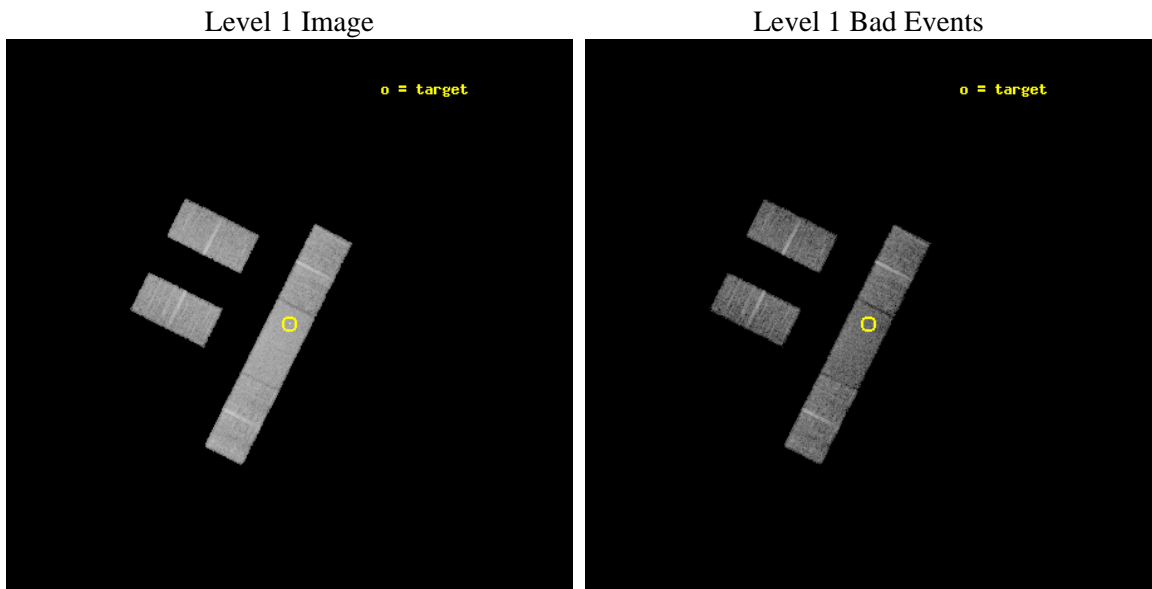
seq_num	701252	Sequence number
obs_id	6834	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.12673615277	Nominal RA [deg]
dec_nom	3.3601622622786	Nominal Dec [deg]
roll_nom	116.63156945599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8129.3999429941	Sum of GTIs [s]
liveltime	7937.7727697755	Livetime [s]
ontime2	8127.6589427888	Sum of GTIs [s]
ontime3	8129.3999429941	Sum of GTIs [s]
ontime6	8127.6589229107	Sum of GTIs [s]
ontime7	8129.3999429941	Sum of GTIs [s]
ontime8	8129.3999429941	Sum of GTIs [s]
l2events	38975	Number of level 2 events



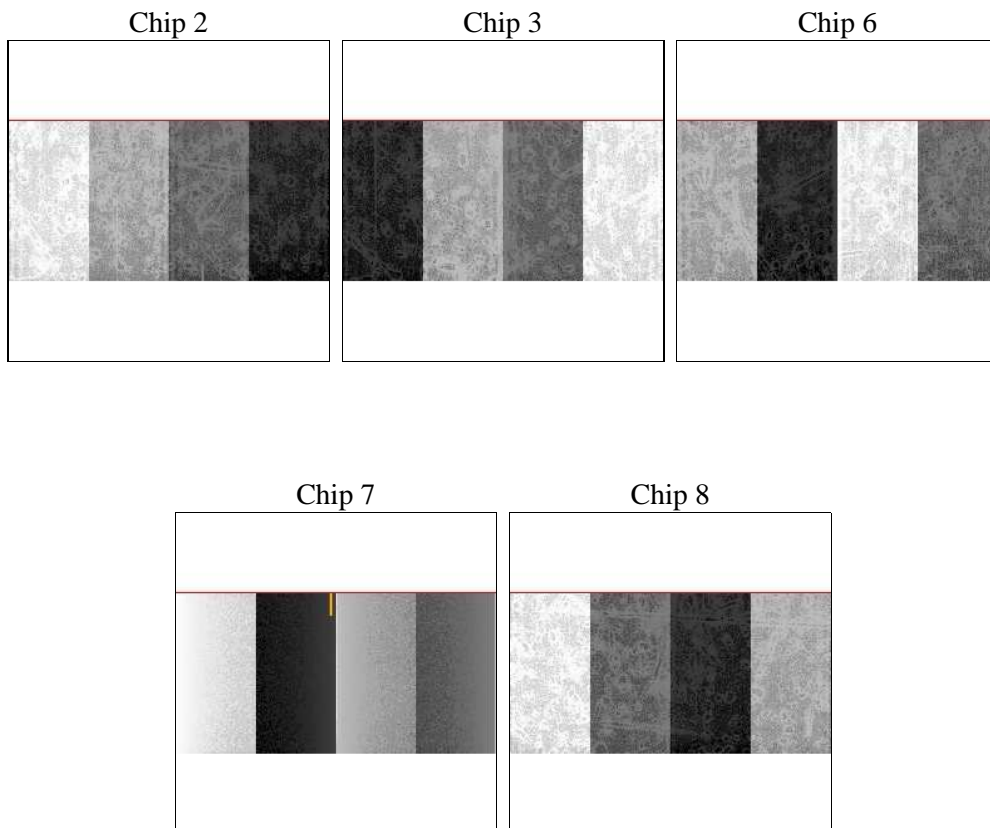
2 OBI

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	8129.3999429941	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8127.6589427888	Sum of GTIs [s]
date	2012-04-04T00:41:13	Date and time of file creation	ontime3	8129.3999429941	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8127.6589229107	Sum of GTIs [s]
			ontime7	8129.3999429941	Sum of GTIs [s]
			ontime8	8129.3999429941	Sum of GTIs [s]
			l1events	256710	Number of level 1 events

2.1.4 Events

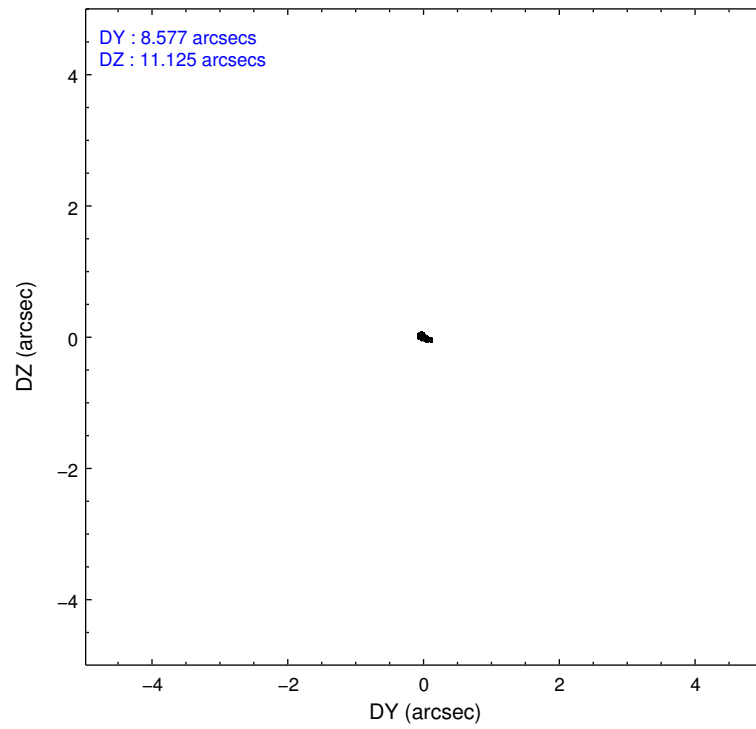
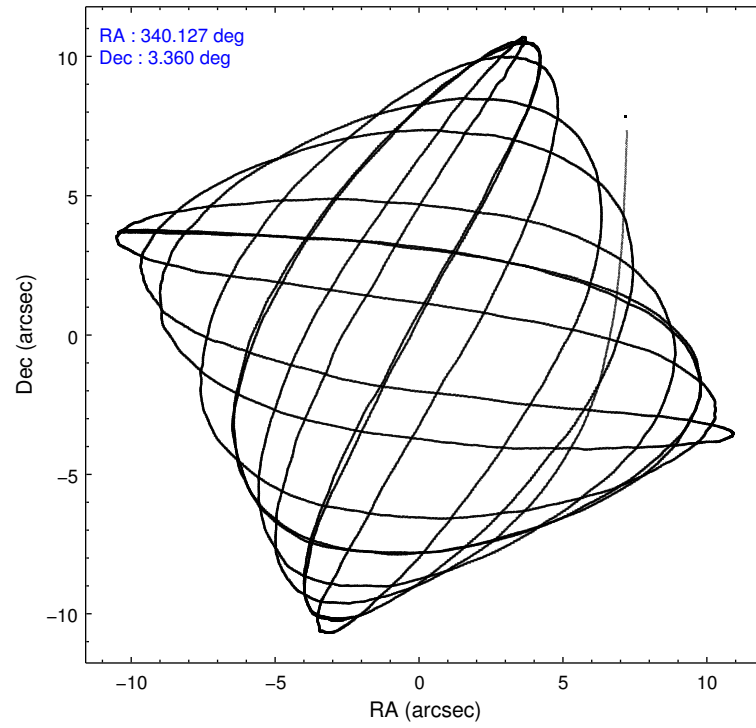
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	44976	45007	46801	60886	59040
rejected events	40325	40361	41986	37909	48190
rejected %	89%	89%	89%	62%	81%

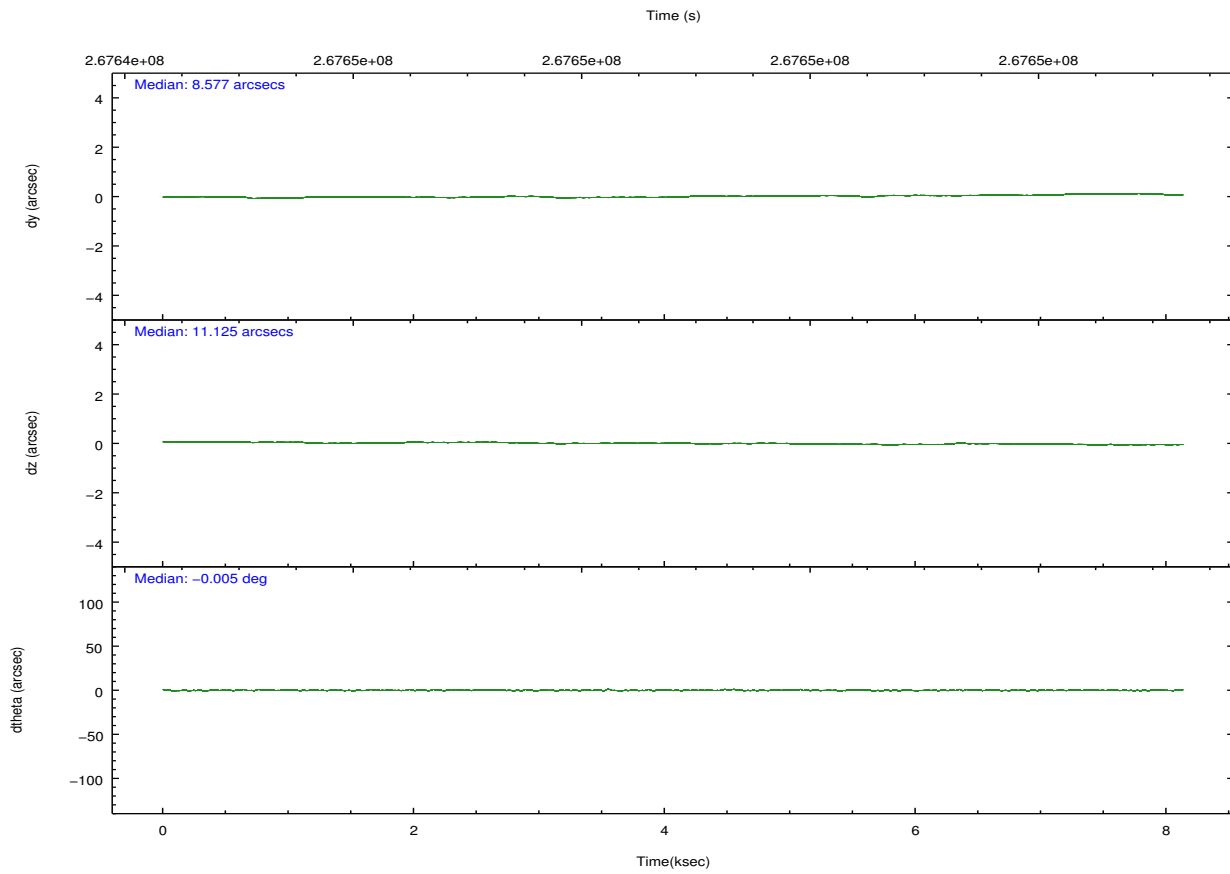
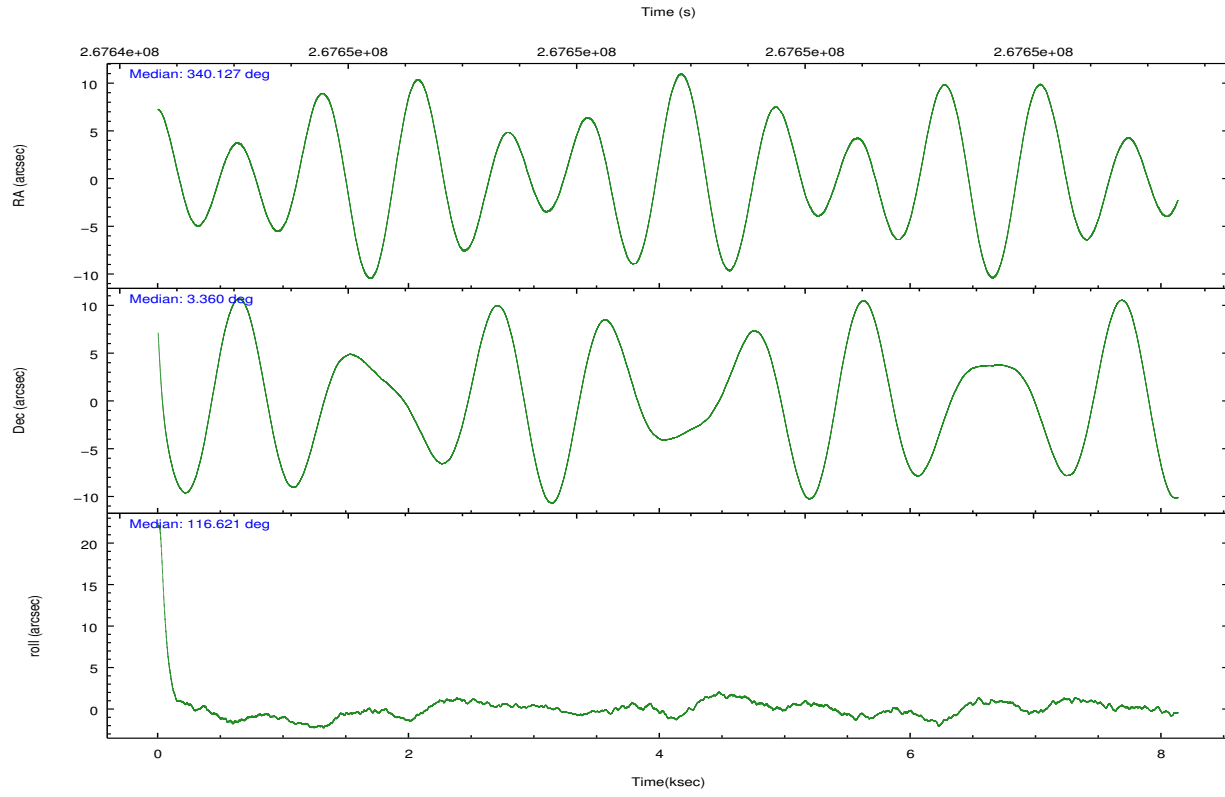
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2266	2205	2074	2549	3813
	5%	4%	4%	4%	6%
grade 1 events	20	16	17	77	19
	0%	0%	0%	0%	0%
grade 2 events	959	966	1102	5358	2785
	2%	2%	2%	8%	4%
grade 3 events	599	609	639	2547	1324
	1%	1%	1%	4%	2%
grade 4 events	635	610	628	2535	1264
	1%	1%	1%	4%	2%
grade 5 events	1708	2031	2036	5808	2596
	3%	4%	4%	9%	4%
grade 6 events	851	884	1052	13164	3161
	1%	1%	2%	21%	5%
grade 7 events	37938	37686	39253	28848	44078
	84%	83%	83%	47%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	340.149755	340.126736152769	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.345527	3.360162262278609	Subarray start row	257	257
[deg] Pointing Roll	116.473565	116.6315694559864	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	267644872.184000	267643518.63522			
Observation start date	2006-06-25T17:46:47	2006-06-25T17:25:18			
[s] Observation end time (MET)	267652872.184000	267653583.11069			
Observation end date	2006-06-25T20:00:07	2006-06-25T20:13:03			
Read mode	TIMED	TIMED			

2.3 Aspect



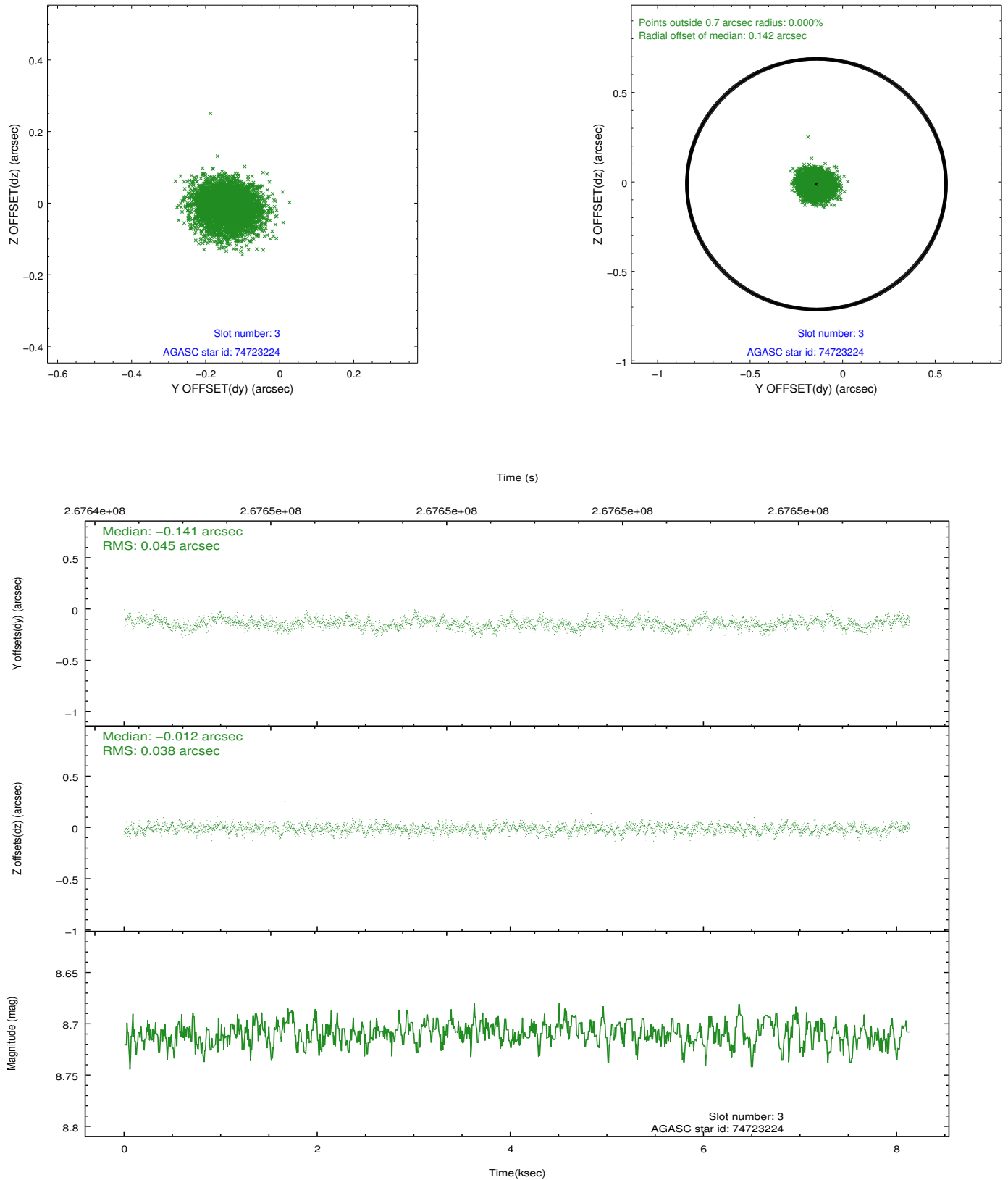


Slot Statistics

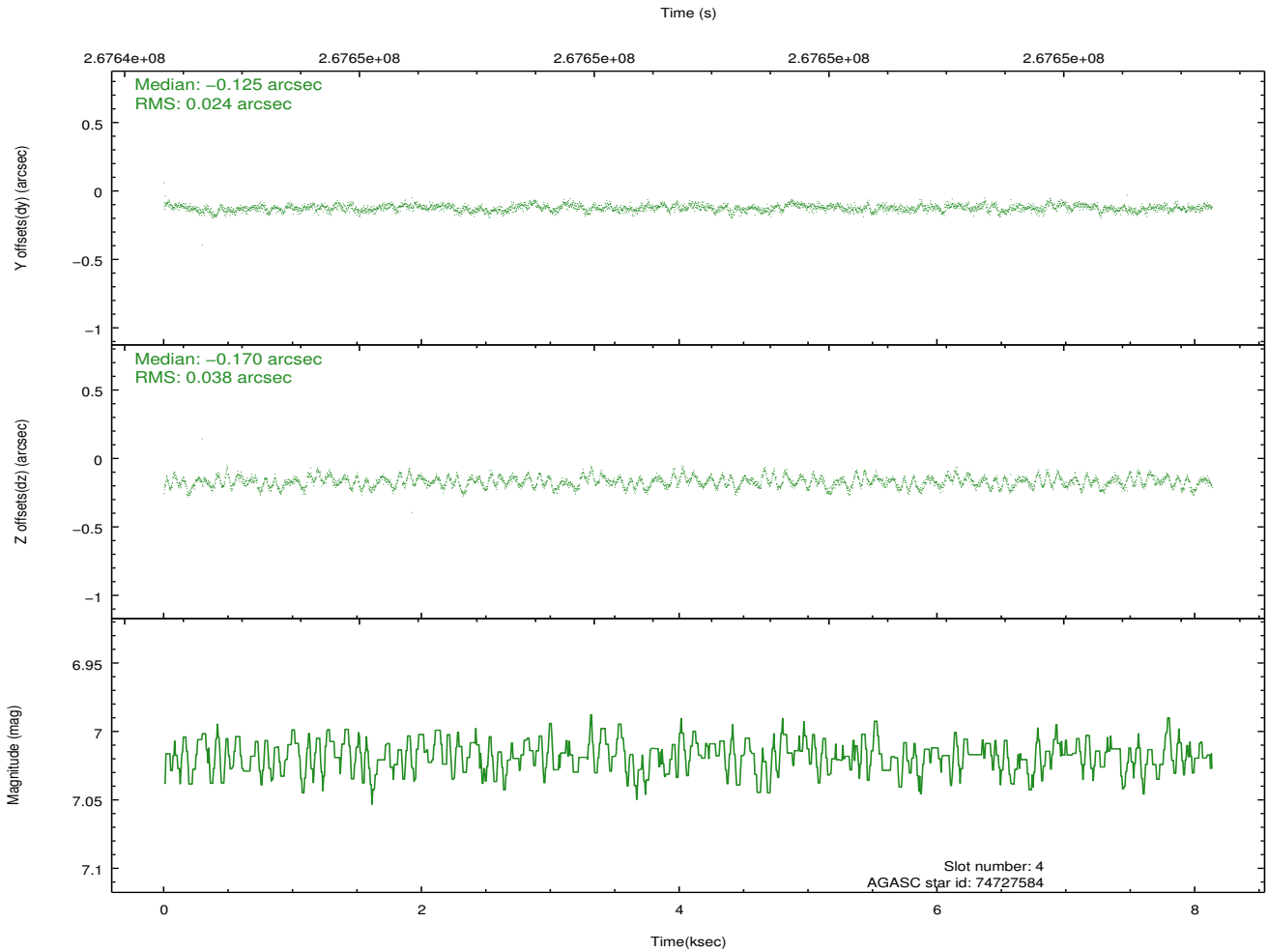
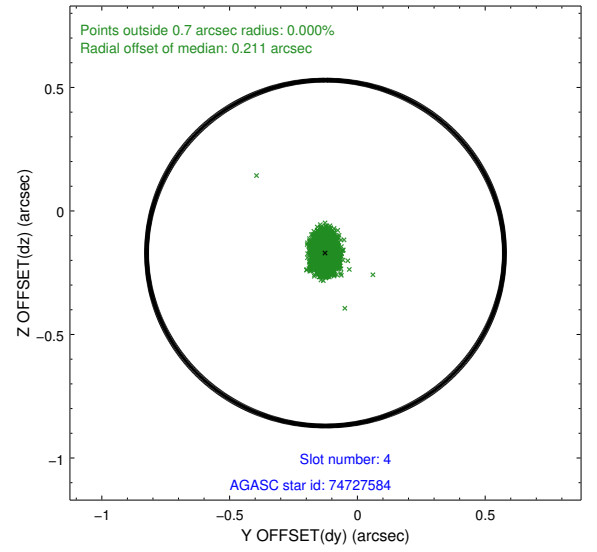
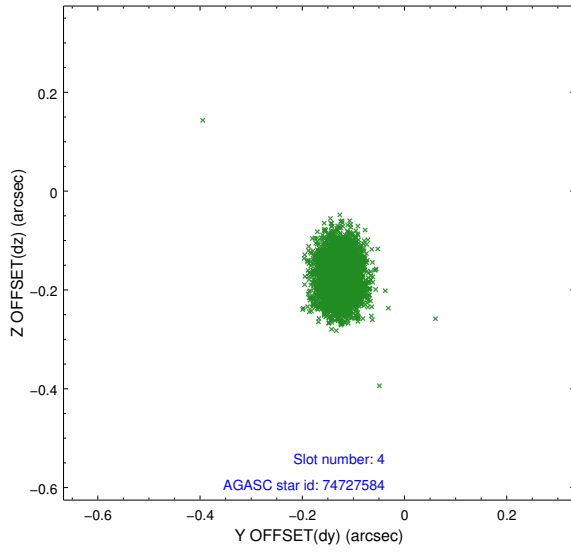
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1984	-0.032	-0.013	0.007	0.012	0.000000	0.000000	-761.39	-1732.43
1	FID	ACIS-S-4	7.21	1984	0.131	0.019	0.006	0.012	0.000000	0.000000	2151.71	175.42
2	FID	ACIS-S-5	7.23	1983	-0.131	0.003	0.007	0.012	0.000000	0.000000	-1813.47	169.80
3	GUIDE	74723224	8.71	3966	-0.141	-0.012	0.064	0.102	339.594650	3.574222	1626.55	1418.29
4	GUIDE	74727584	7.02	3968	-0.125	-0.170	0.047	0.078	339.633744	3.463732	1208.31	1470.21
5	GUIDE	74842128	8.53	3967	0.341	0.008	0.066	0.108	340.118134	3.132788	-634.03	443.49
6	GUIDE	74854992	8.26	3968	0.023	0.171	0.062	0.103	340.342808	3.603730	523.22	-1034.84
7	GUIDE	74855640	8.85	3964	-0.096	0.007	0.069	0.113	340.341123	3.746937	987.75	-1259.79

2.4 Star Slots

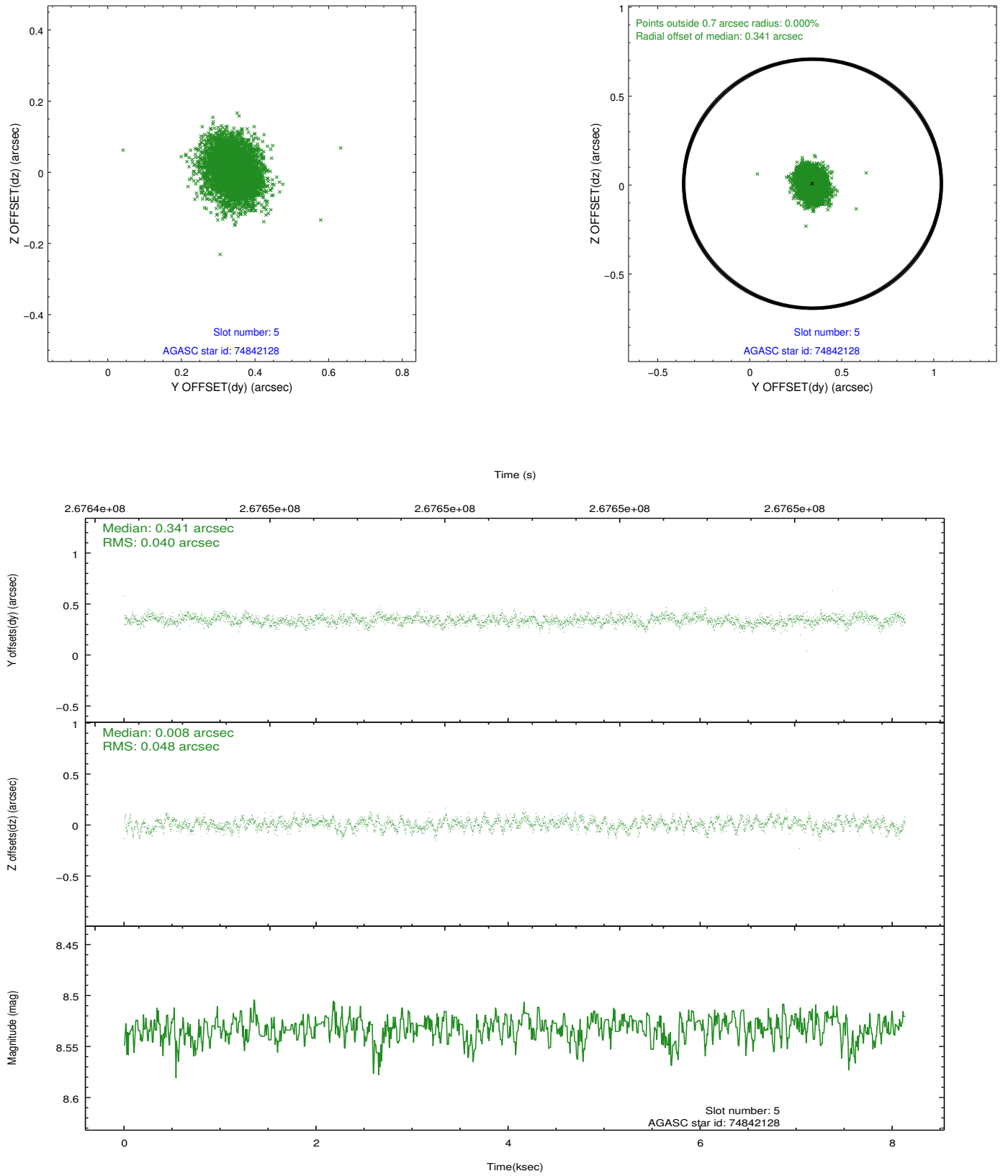
2.4.1 Slot 3



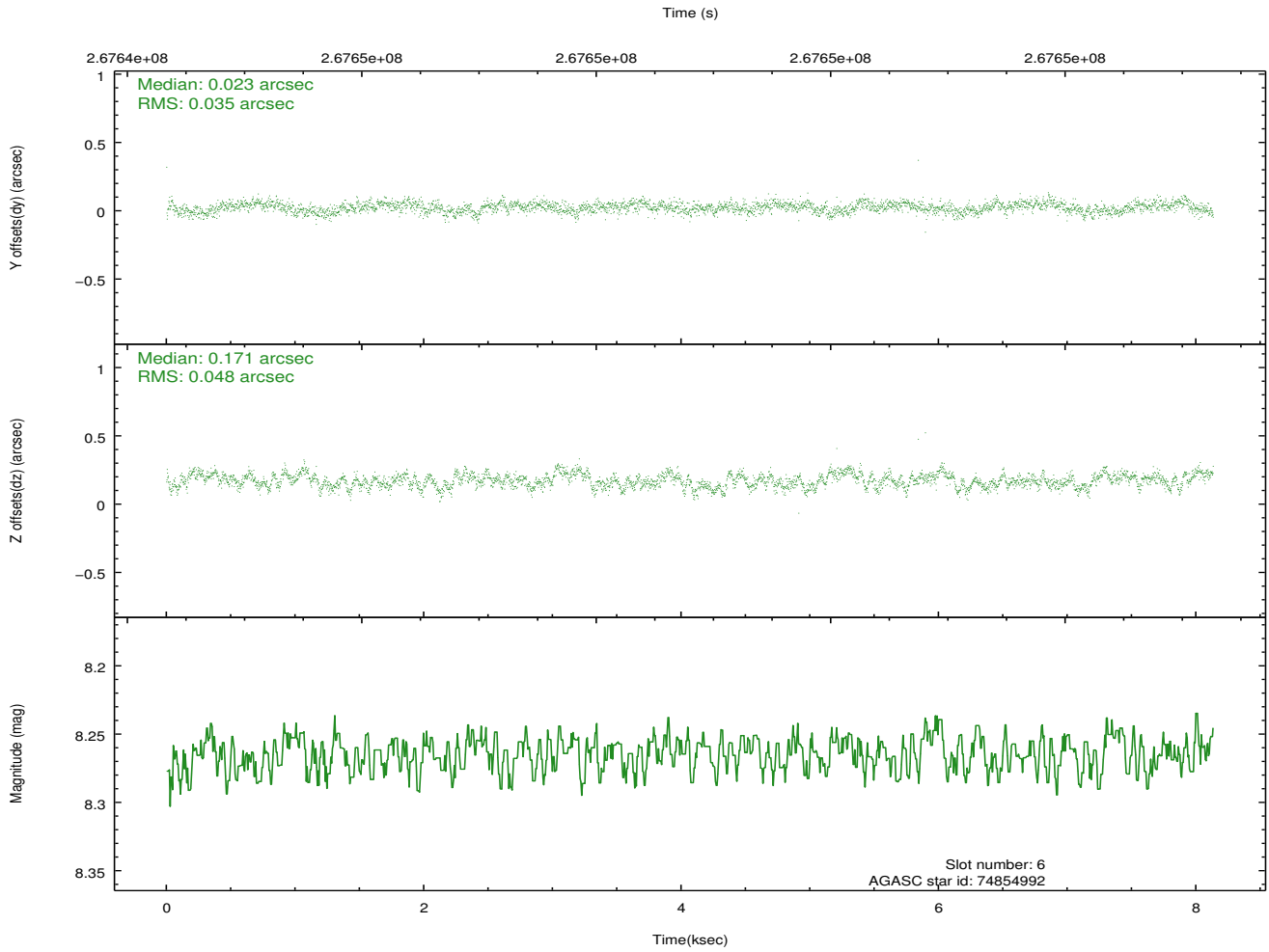
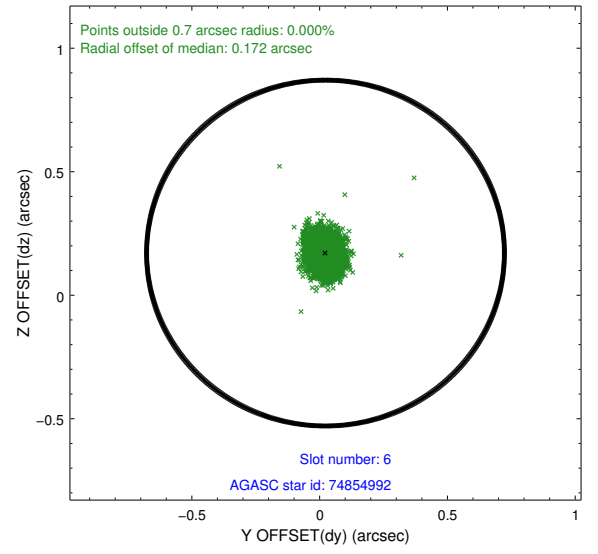
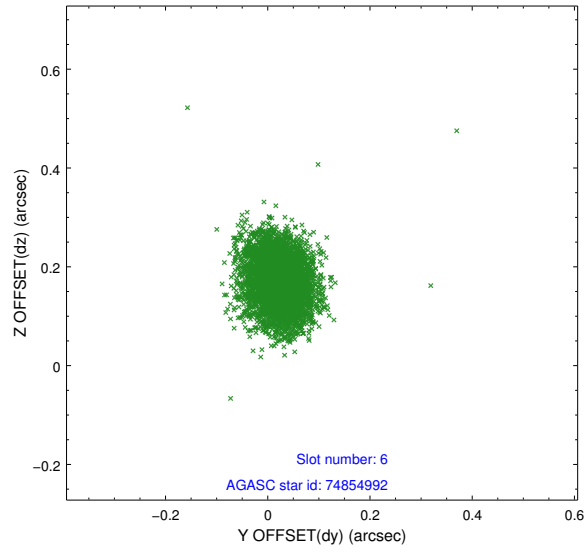
2.4.2 Slot 4



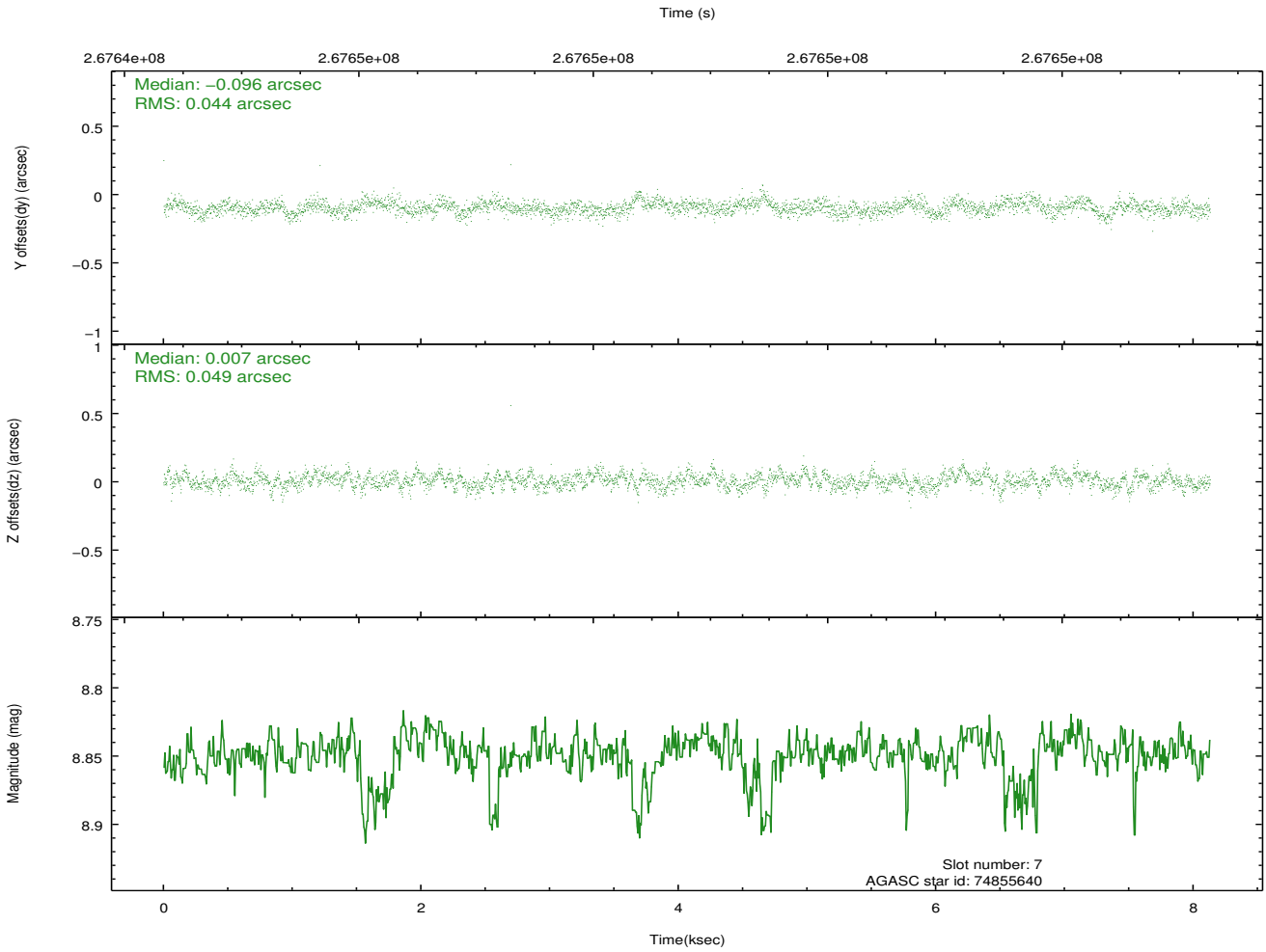
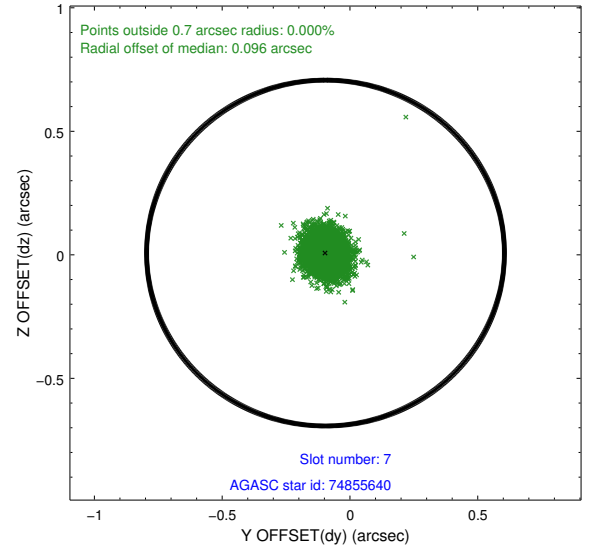
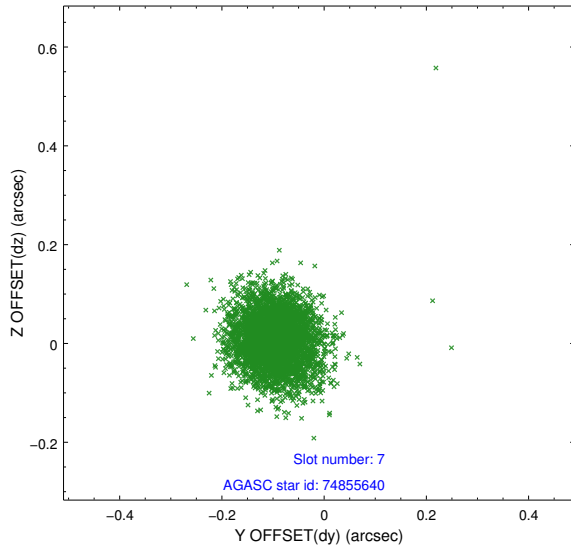
2.4.3 Slot 5



2.4.4 Slot 6

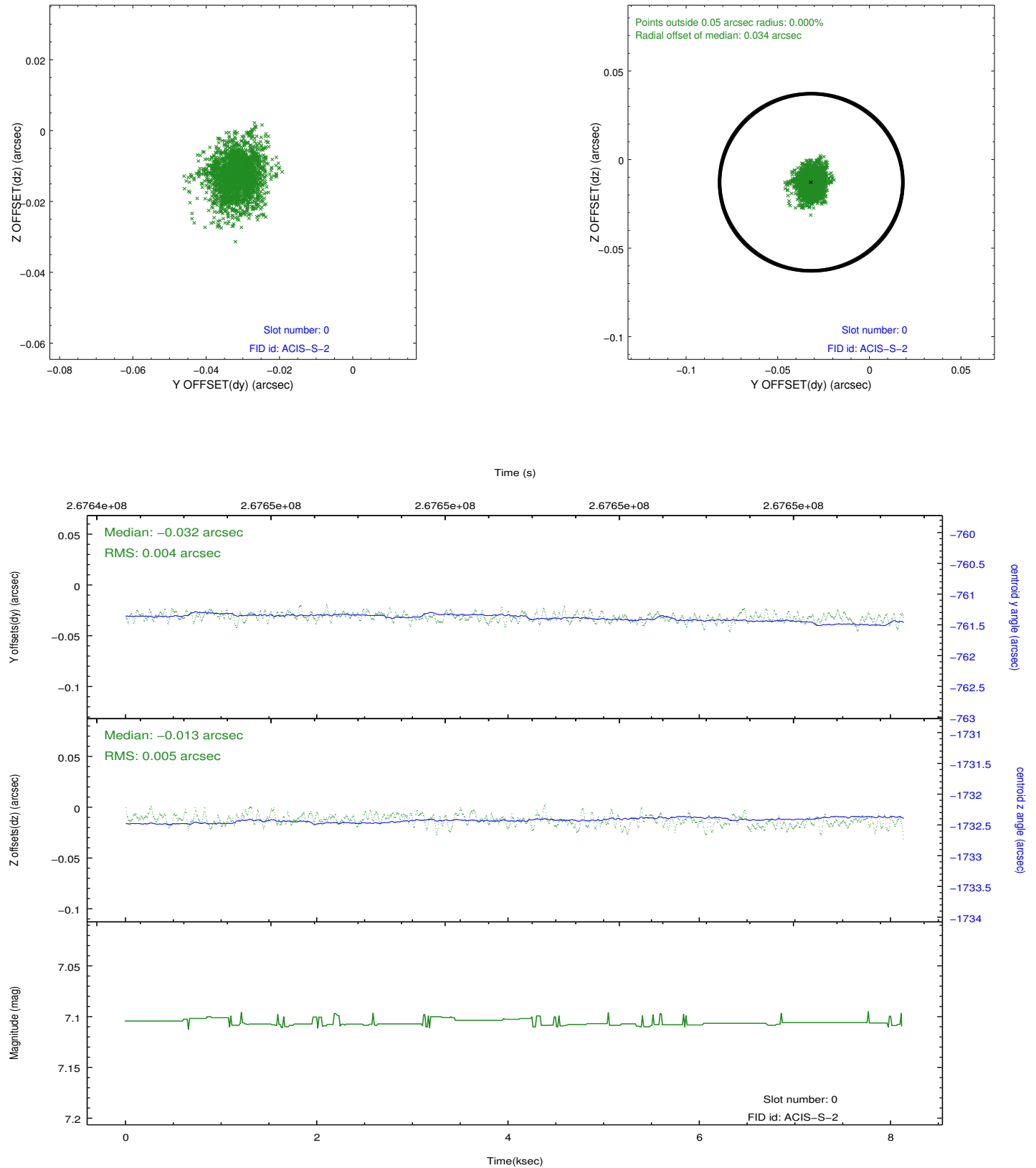


2.4.5 Slot 7

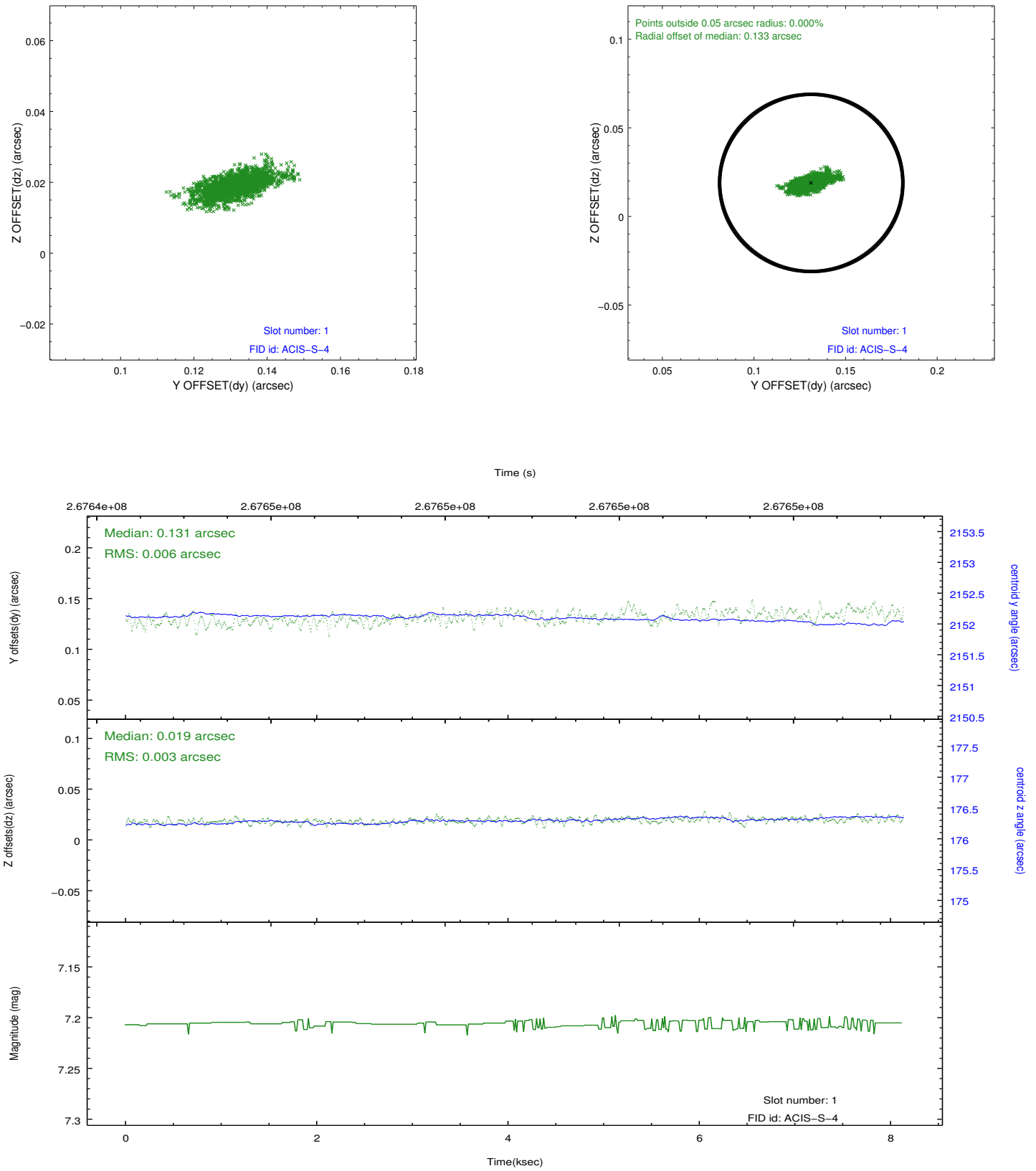


2.5 FID Slots

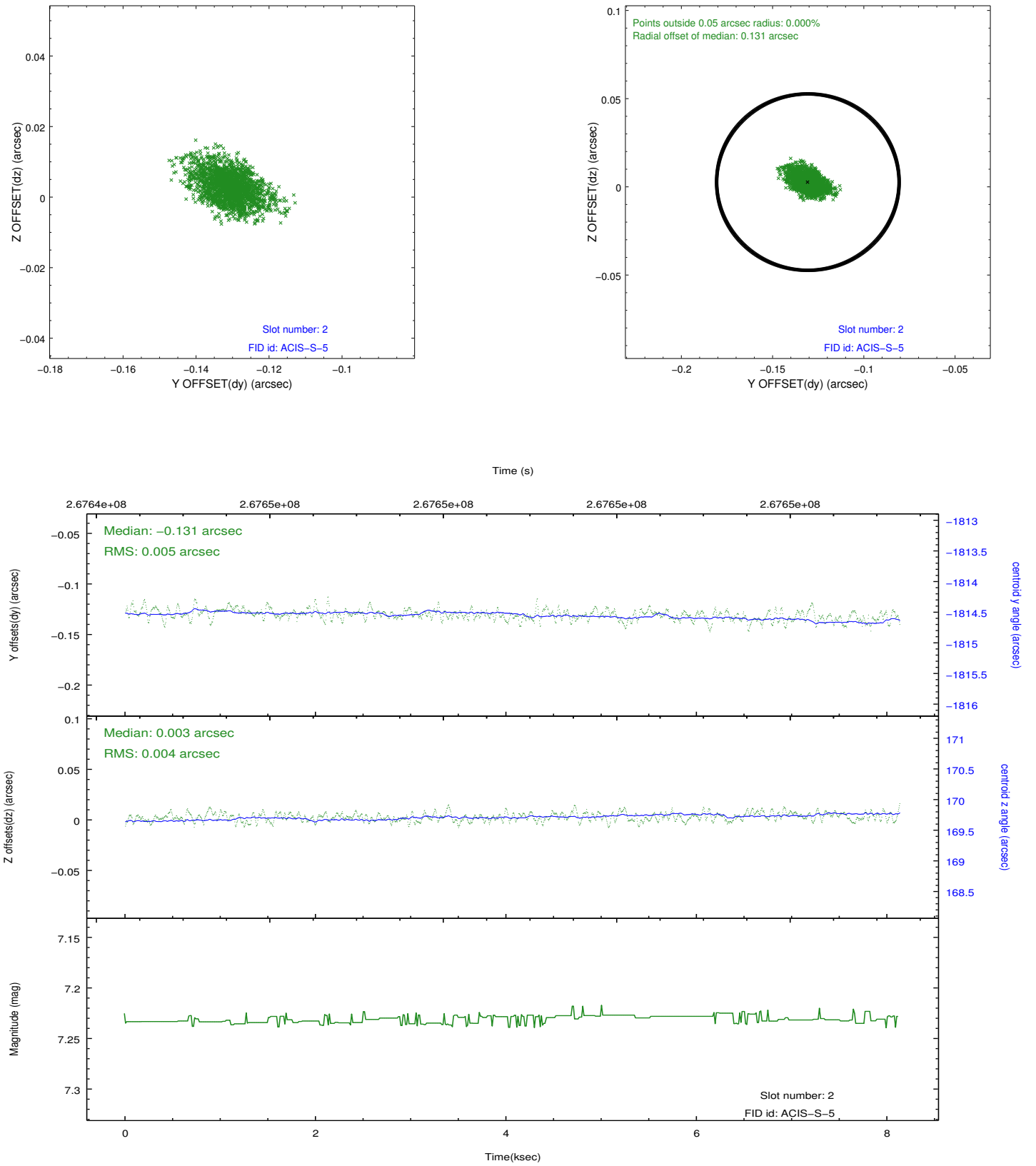
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.12939994

A.2 Comments

Monitor constraint met.