

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3557 - L2 Version 3
Chandra X-Ray Center

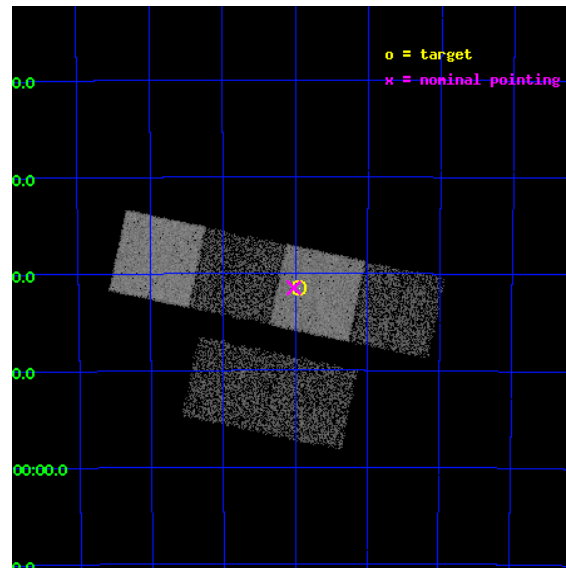
L2 Processing Date : Nov 3 2012

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1 Front

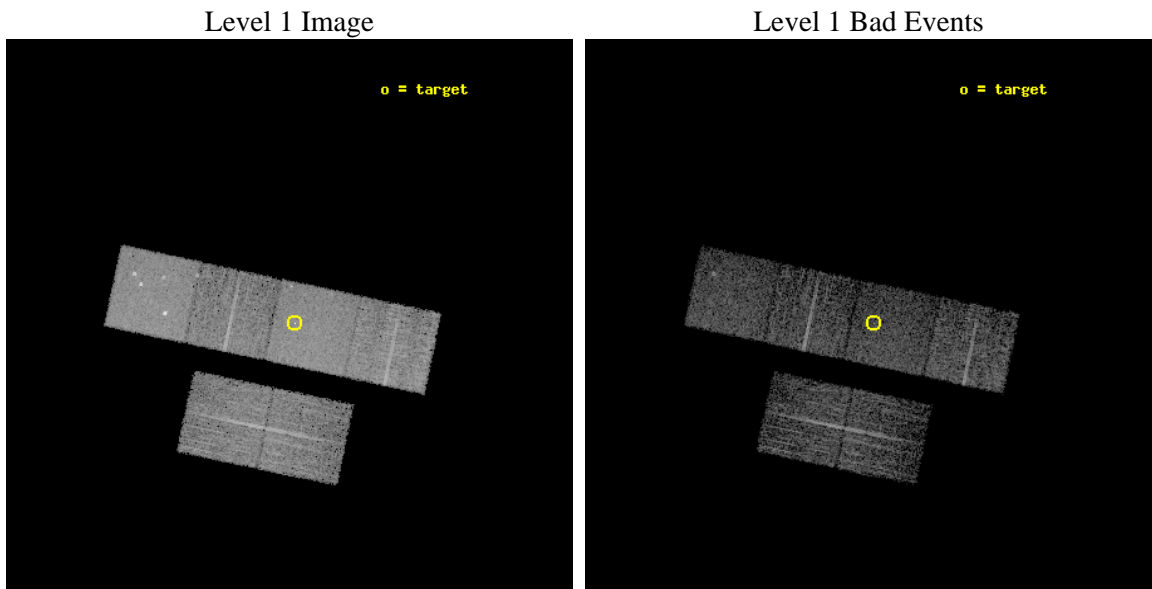
seq_num	700619	Sequence number
obs_id	3557	Observation id
title	MONITORING THE X-RAY TRANSIENT AGN RX J2217.9-5941	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	RX J2217.9-5941	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	334.485833	Observer's specified target RA [deg]
dec_targ	-59.691667	Observer's specified target Dec [deg]
ra_nom	334.50504050471	Nominal RA [deg]
dec_nom	-59.691392957401	Nominal Dec [deg]
roll_nom	11.89863946833	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5180.7999807	Sum of GTIs [s]
livetime	5115.1975718412	Livetime [s]
ontime2	5180.7999807	Sum of GTIs [s]
ontime3	5180.7999807	Sum of GTIs [s]
ontime5	5180.7999807	Sum of GTIs [s]
ontime6	5180.7999807	Sum of GTIs [s]
ontime7	5180.7999807	Sum of GTIs [s]
ontime8	5180.7999807	Sum of GTIs [s]
l2events	51710	Number of level 2 events



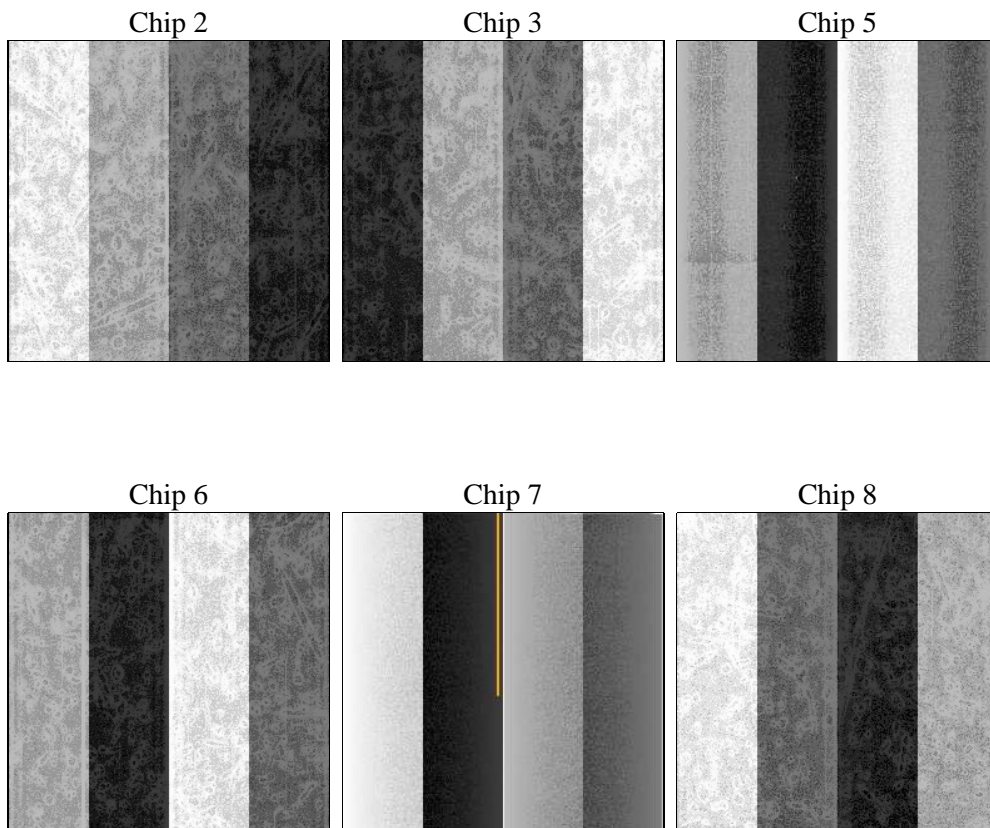
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5180.7999807	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5180.7999807	Sum of GTIs [s]
date	2012-11-03T14:27:16	Date and time of file creation	ontime3	5180.7999807	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5180.7999807	Sum of GTIs [s]
			ontime6	5180.7999807	Sum of GTIs [s]
			ontime7	5180.7999807	Sum of GTIs [s]
			ontime8	5180.7999807	Sum of GTIs [s]
			l1events	240081	Number of level 1 events

2.1.4 Events

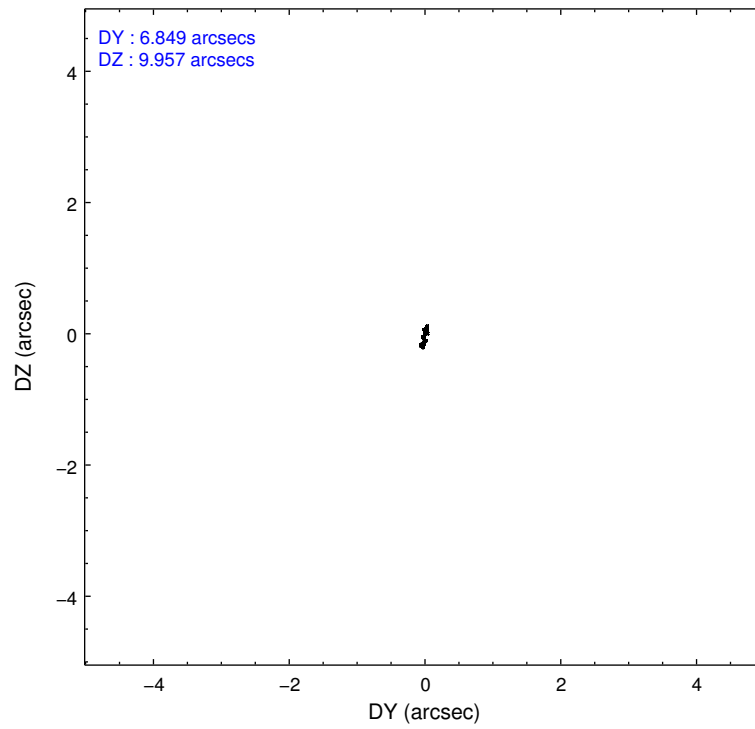
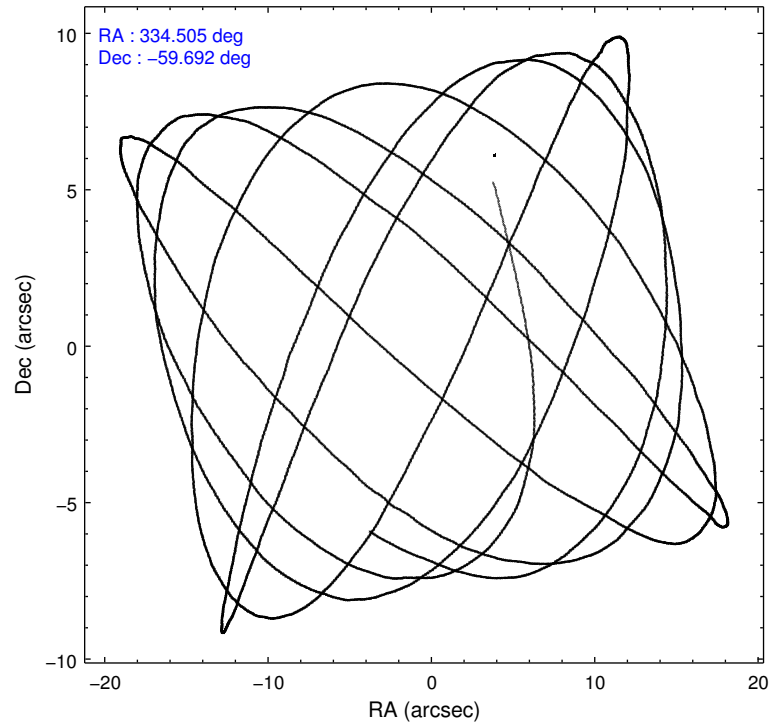
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33934	32248	51796	33146	45755	43202	grade 0 events	1803	1661	4237	1654	2081	2973
rejected events	30113	28549	28369	29295	27148	34103		5%	5%	8%	4%	4%	6%
rejected %	88%	88%	54%	88%	59%	78%	grade 1 events	14	18	70	18	46	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	794	742	6529	787	3750	2041
								2%	2%	12%	2%	8%	4%
							grade 3 events	355	401	1050	373	1682	1074
								1%	1%	2%	1%	3%	2%
							grade 4 events	370	384	862	397	1767	959
								1%	1%	1%	1%	3%	2%
							grade 5 events	1305	1520	3792	1575	4332	2016
								3%	4%	7%	4%	9%	4%
							grade 6 events	632	687	11668	795	10014	2384
								1%	2%	22%	2%	21%	5%
							grade 7 events	28661	26835	23588	27547	22083	31732
								84%	83%	45%	83%	48%	73%

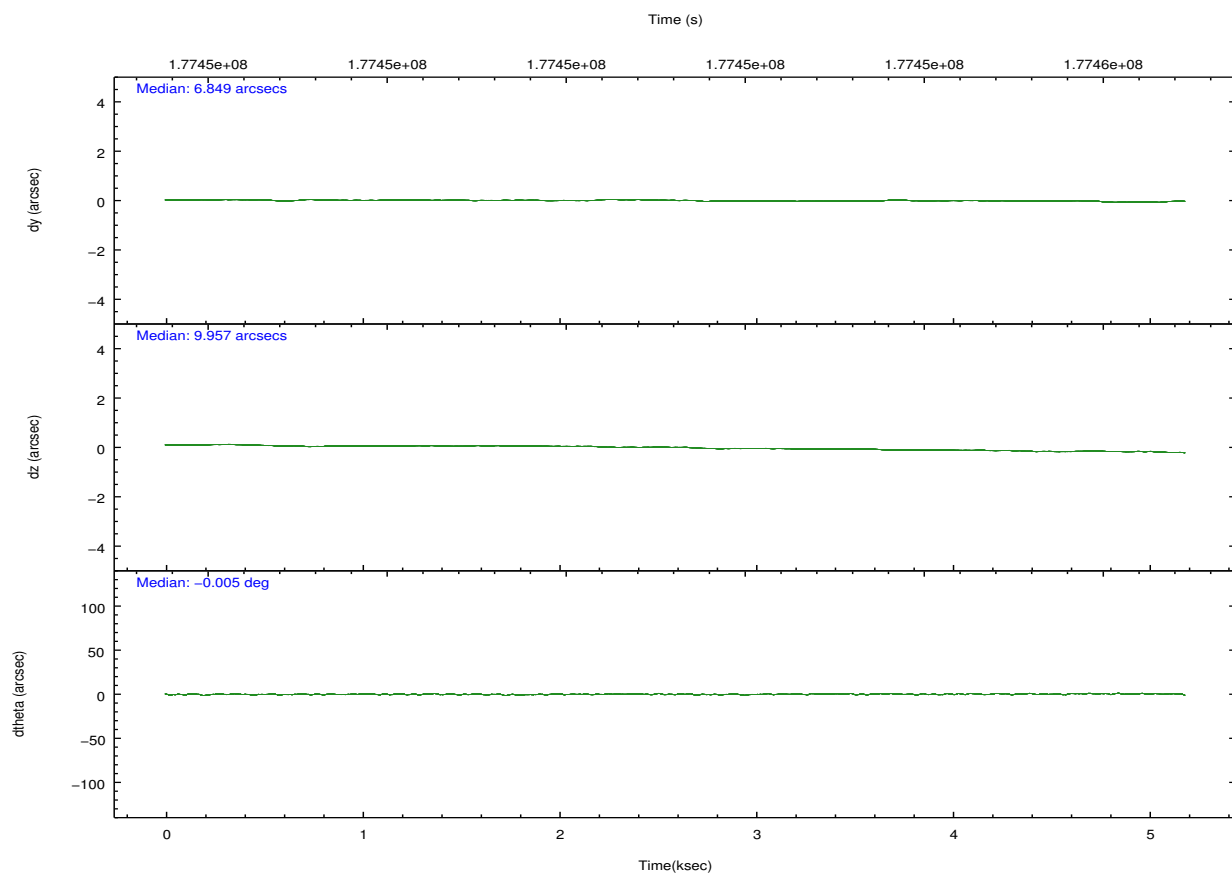
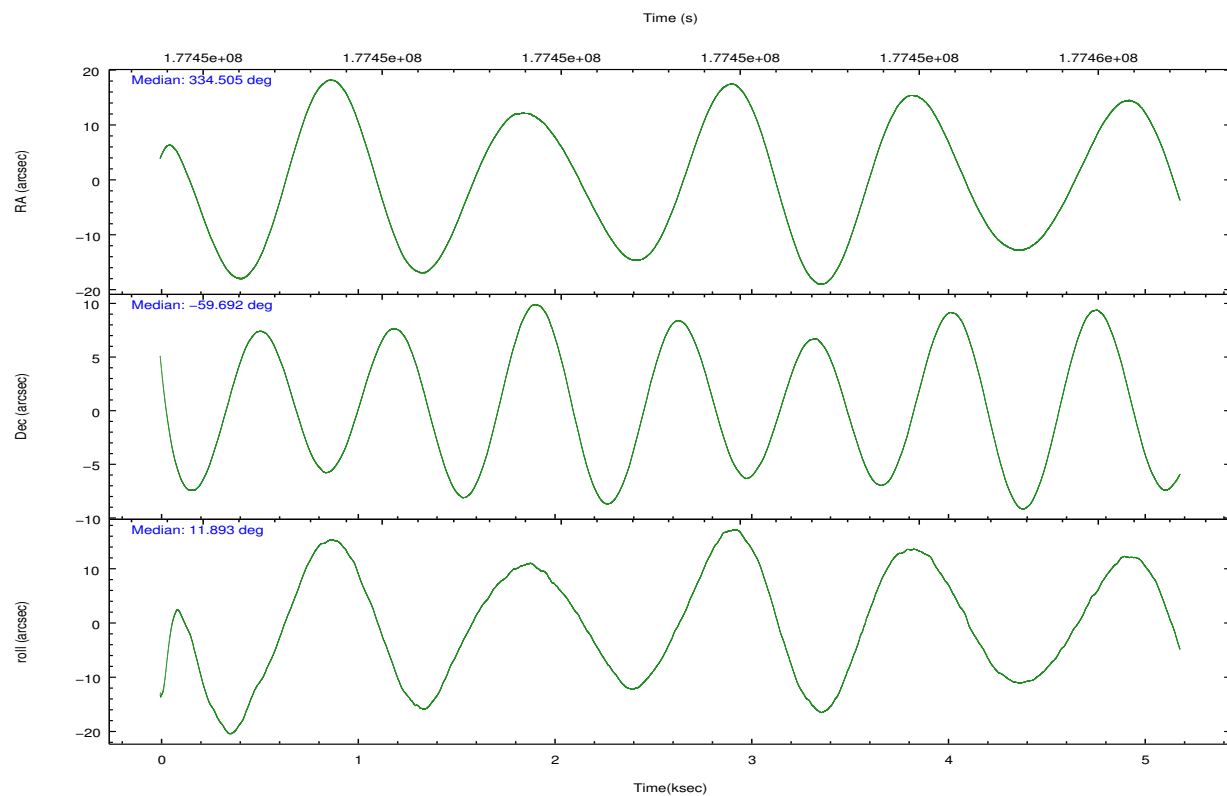
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	334.465302	334.5050405047136
[deg] Pointing Dec	-59.709817	-59.69139295740089
[deg] Pointing Roll	11.707731	11.89863946833009
[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)	177450192.184000	177449023.43683
Observation start date	2003-08-16T19:42:08	2003-08-16T19:23:43
[s] Observation end time (MET)	177455192.184000	177456025.72463
Observation end date	2003-08-16T21:05:28	2003-08-16T21:20:25
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



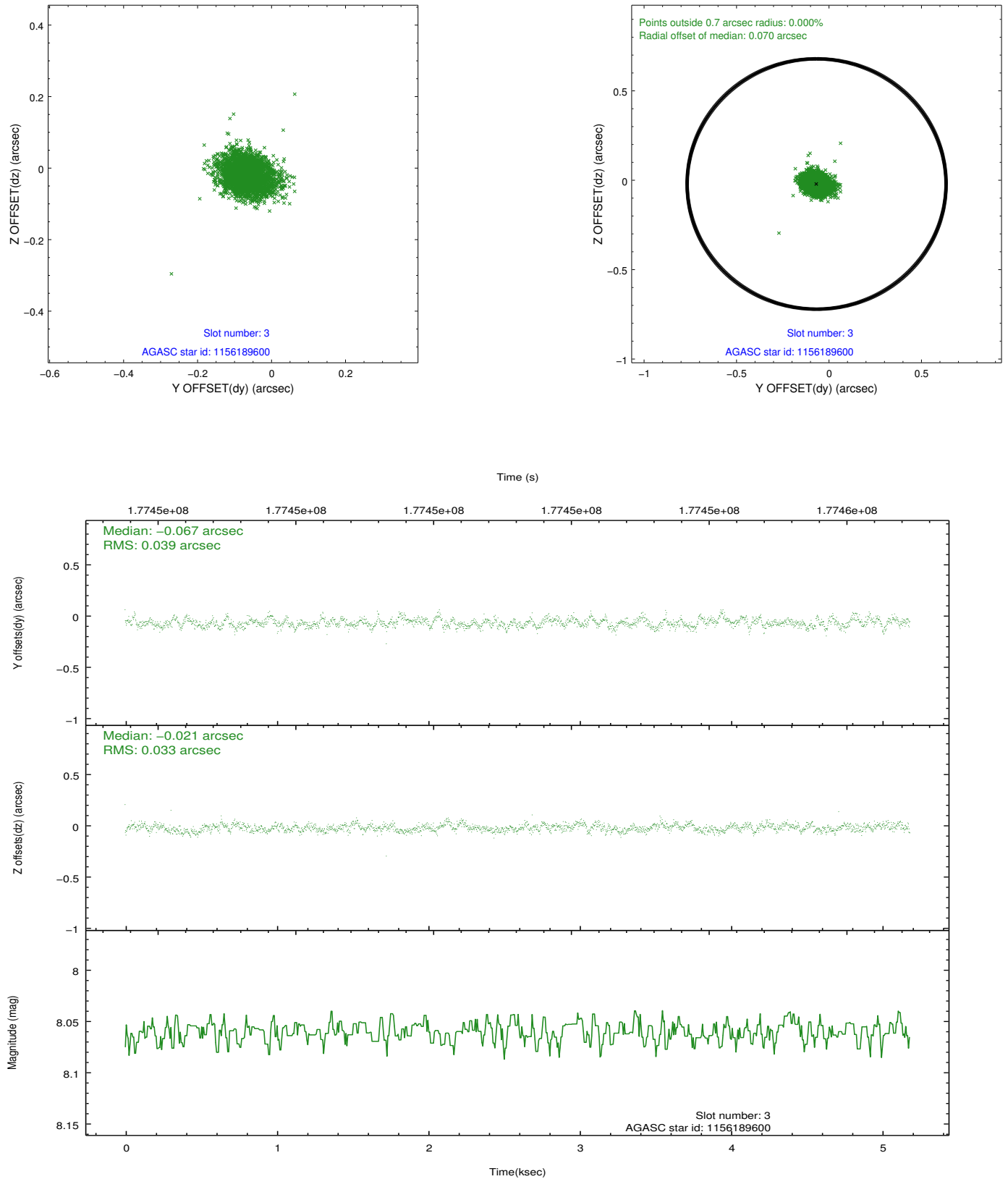


Slot Statistics

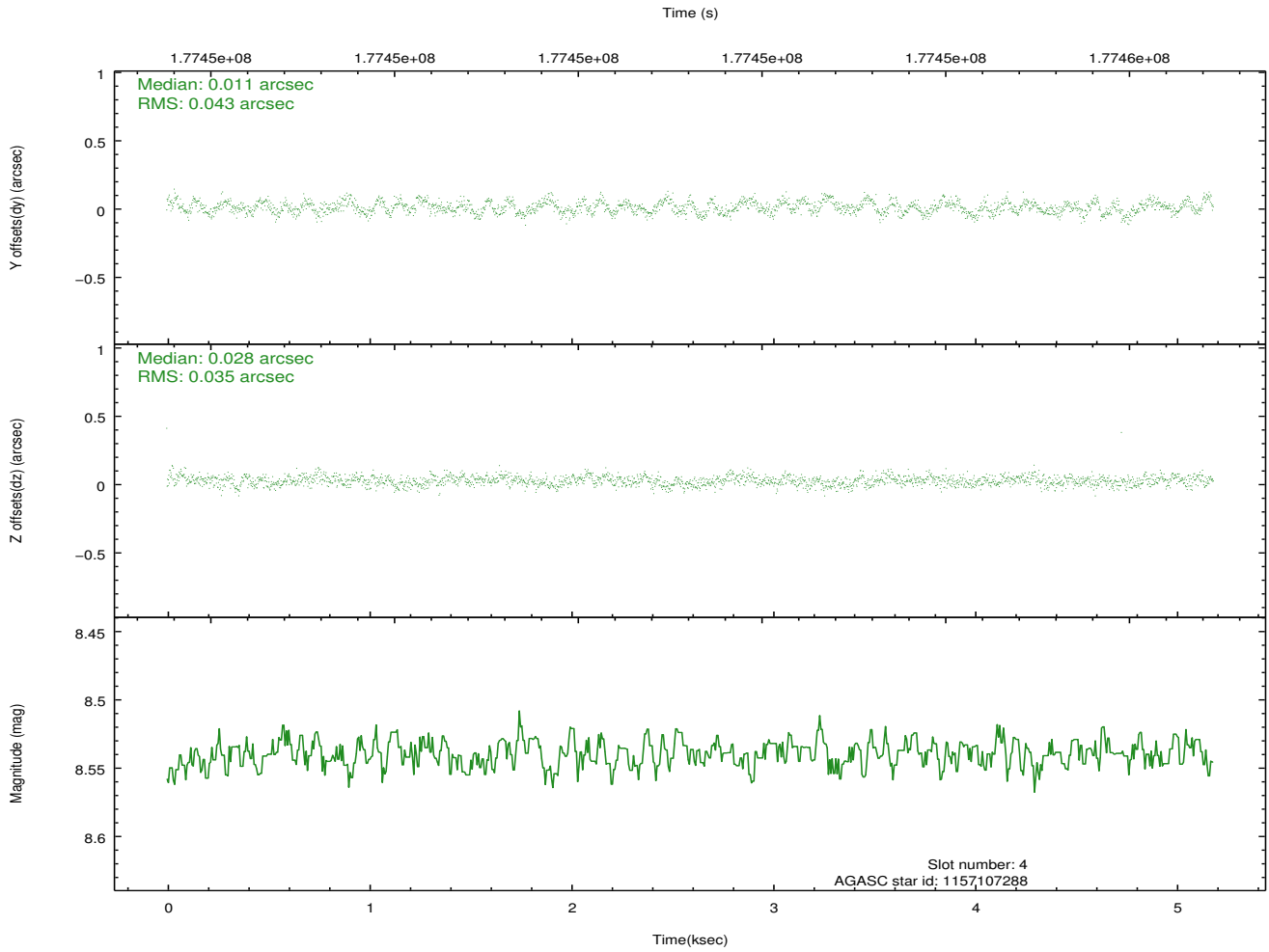
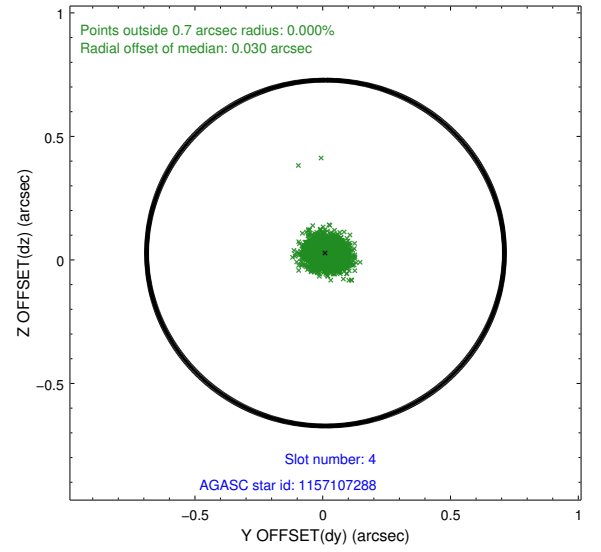
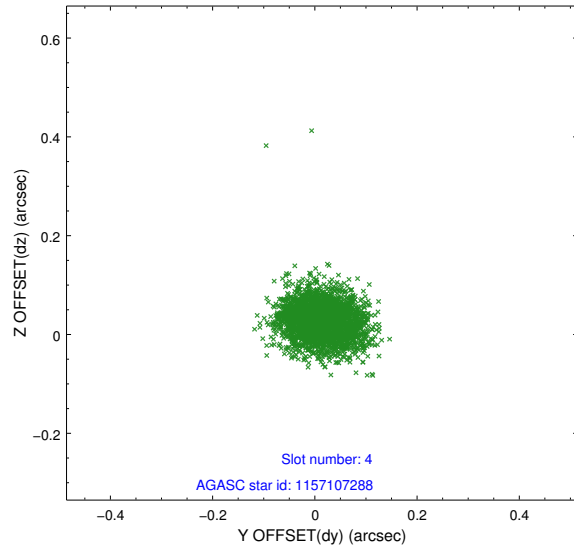
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1265	-0.054	-0.026	0.007	0.011	0.000000	0.000000	-759.62	-1731.16
1	FID	ACIS-S-4	7.20	1265	0.076	0.033	0.006	0.011	0.000000	0.000000	2153.23	176.22
2	FID	ACIS-S-5	7.23	1265	-0.053	0.002	0.007	0.011	0.000000	0.000000	-1810.99	171.13
3	GUIDE	1156189600	8.06	2529	-0.067	-0.021	0.053	0.088	333.274250	-59.691693	-2109.49	484.14
4	GUIDE	1157107288	8.54	2528	0.011	0.028	0.058	0.092	333.659459	-59.292192	-1148.28	1764.44
5	GUIDE	1157108528	8.62	2530	0.015	0.042	0.062	0.105	333.520311	-59.494803	-1536.92	1097.45
6	GUIDE	1157112320	8.74	2528	-0.051	-0.076	0.055	0.094	334.496031	-59.499228	208.20	731.69
7	GUIDE	1194990528	9.26	2529	0.088	0.028	0.079	0.129	333.605757	-60.085376	-1787.13	-1020.02

2.4 Star Slots

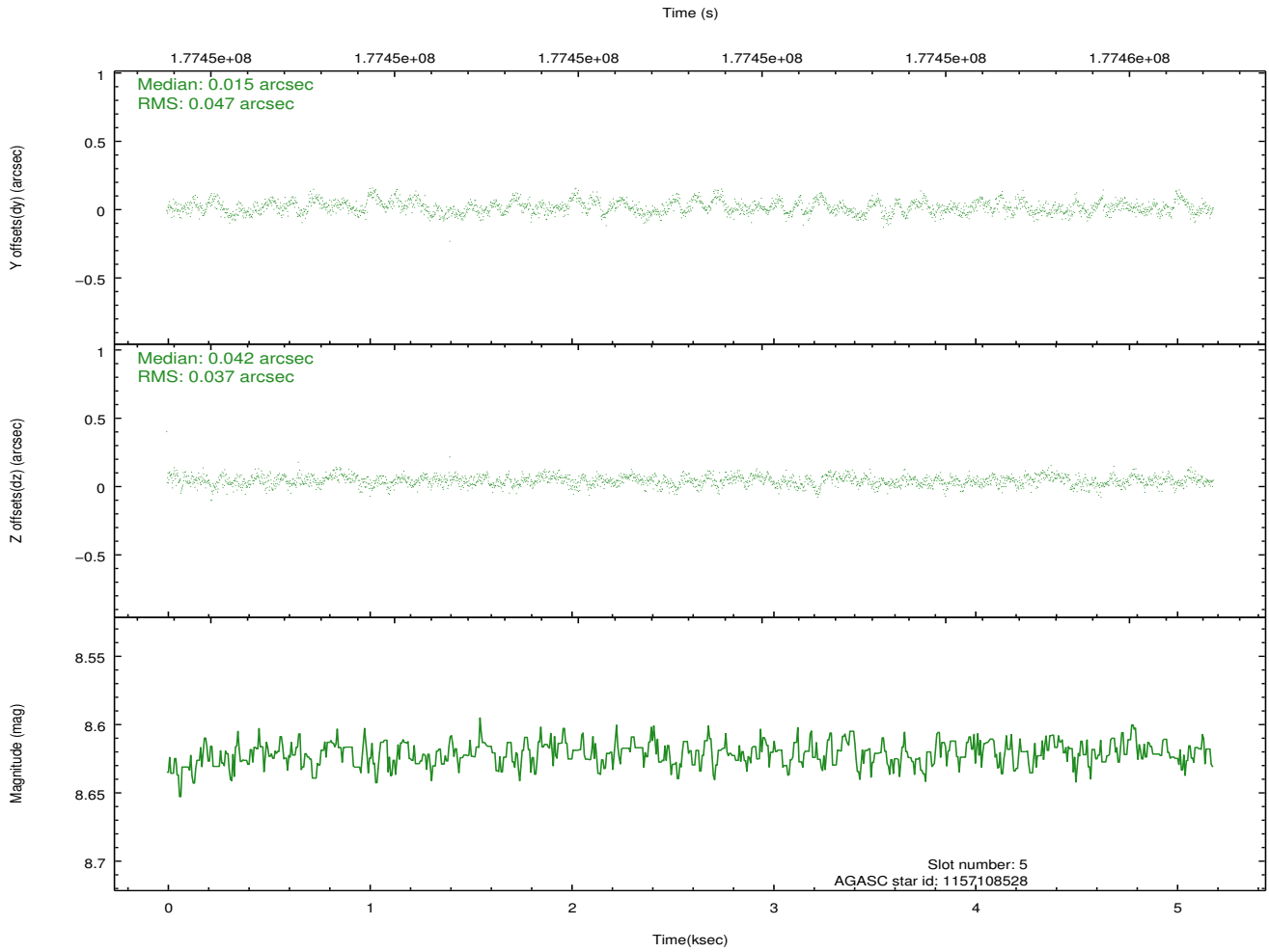
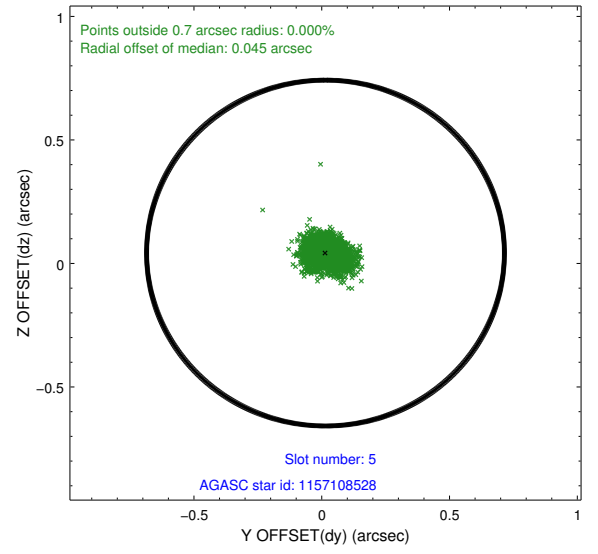
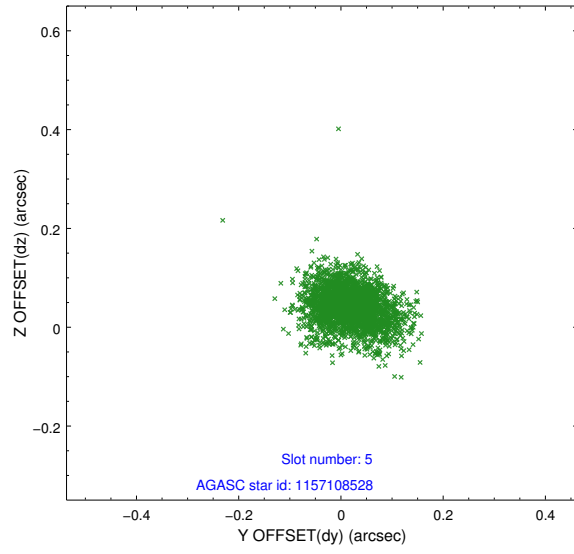
2.4.1 Slot 3



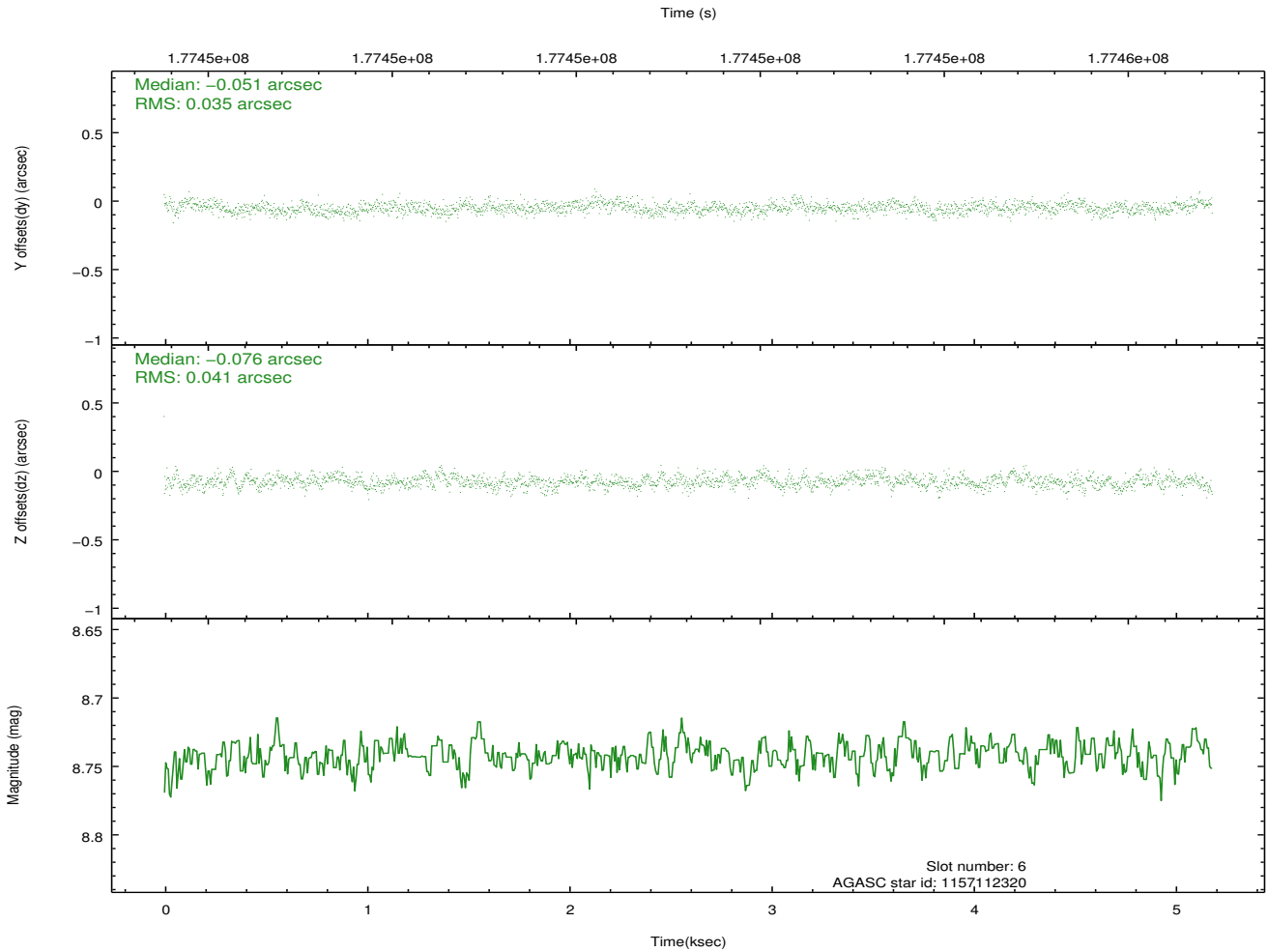
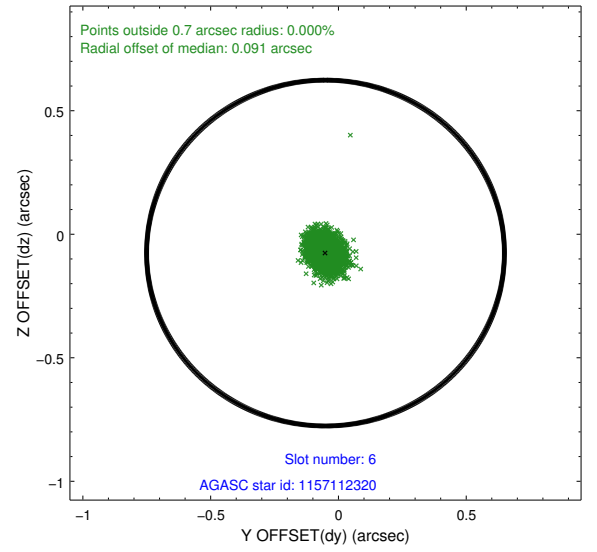
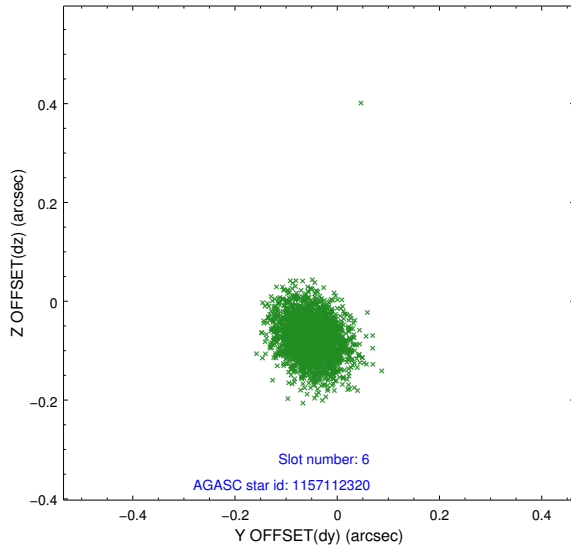
2.4.2 Slot 4



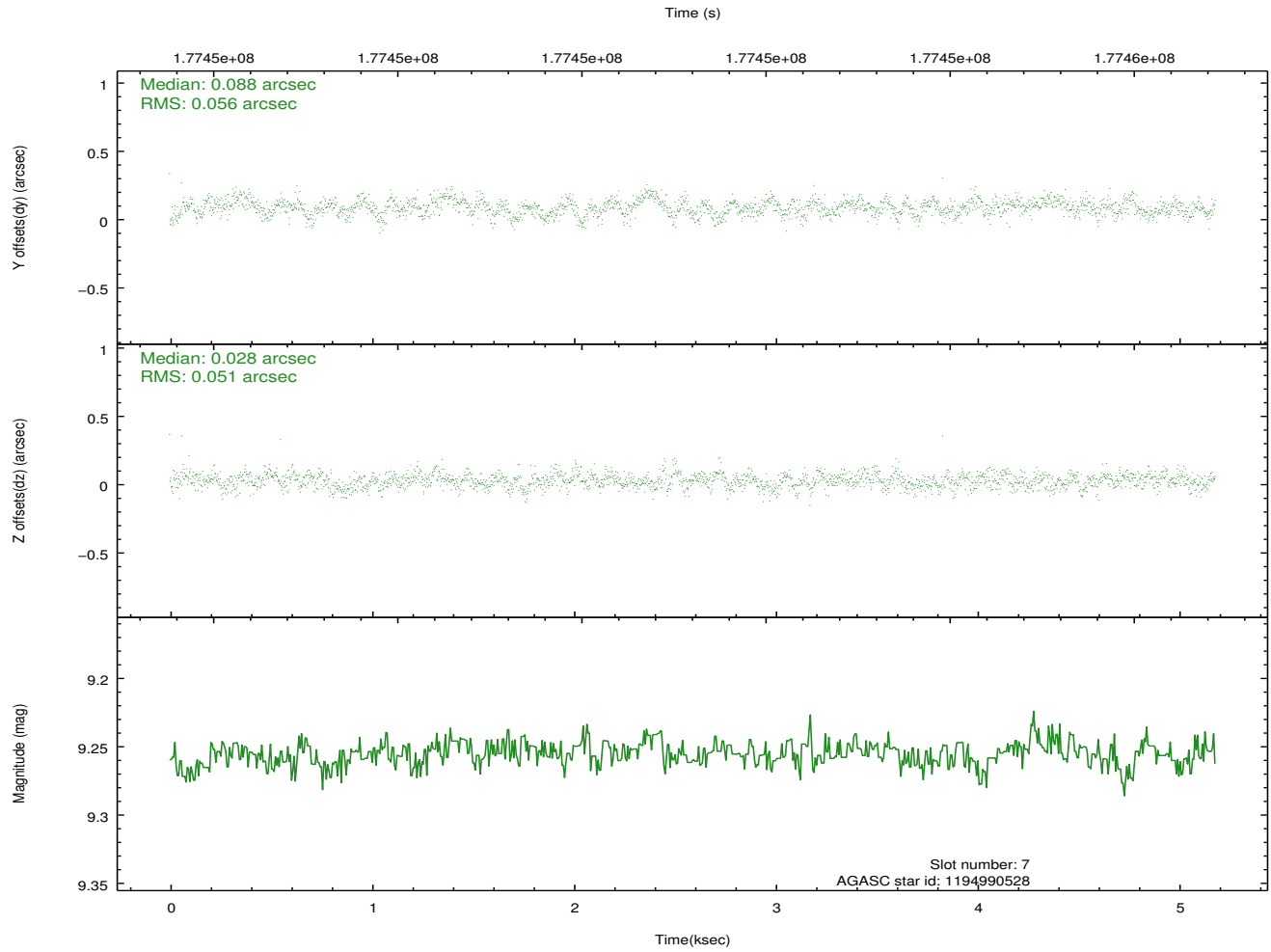
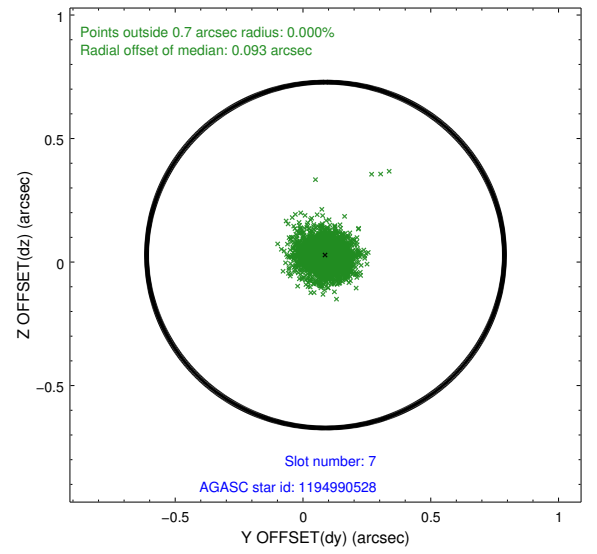
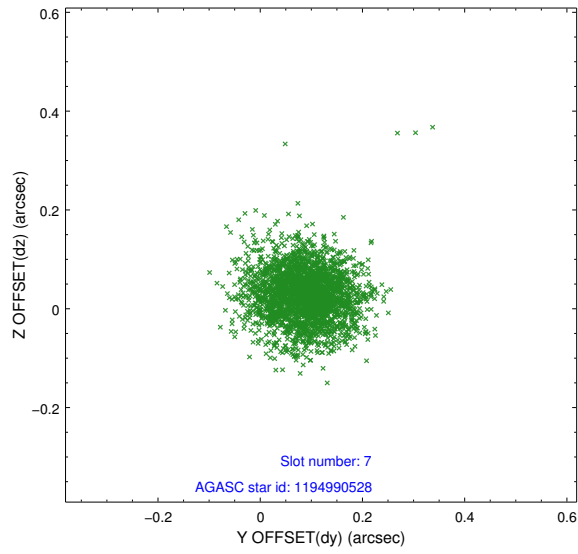
2.4.3 Slot 5



2.4.4 Slot 6

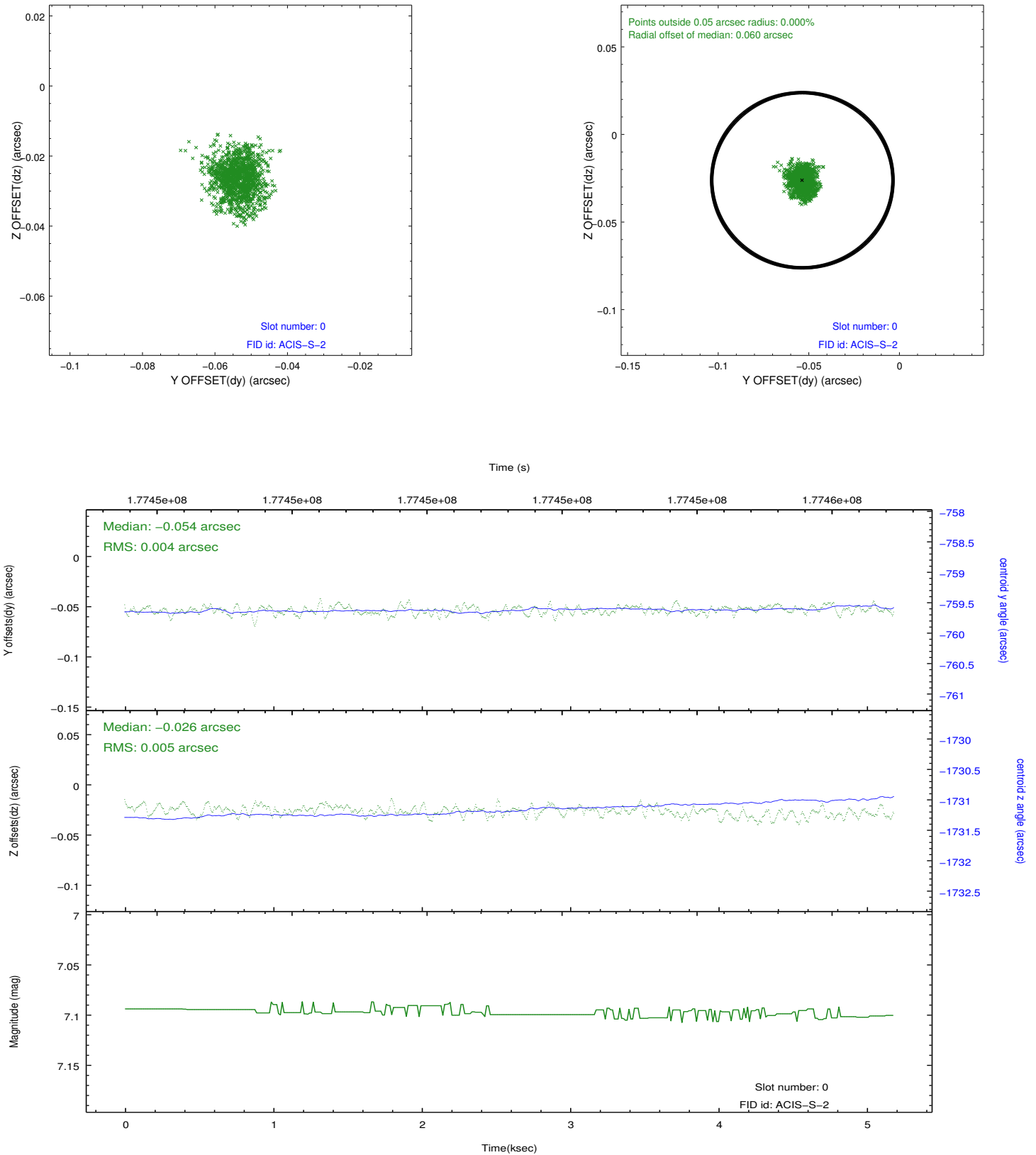


2.4.5 Slot 7

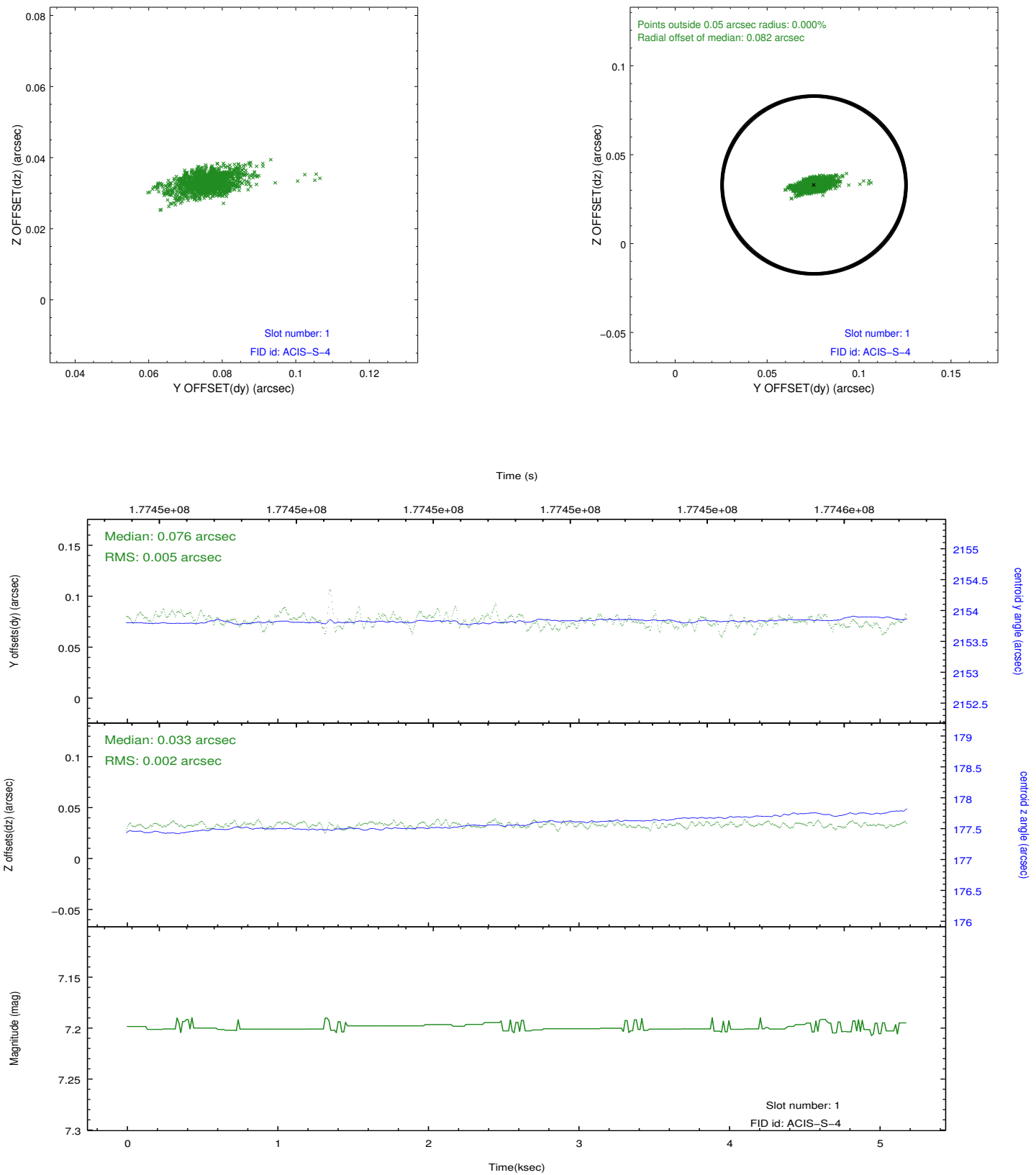


2.5 FID Slots

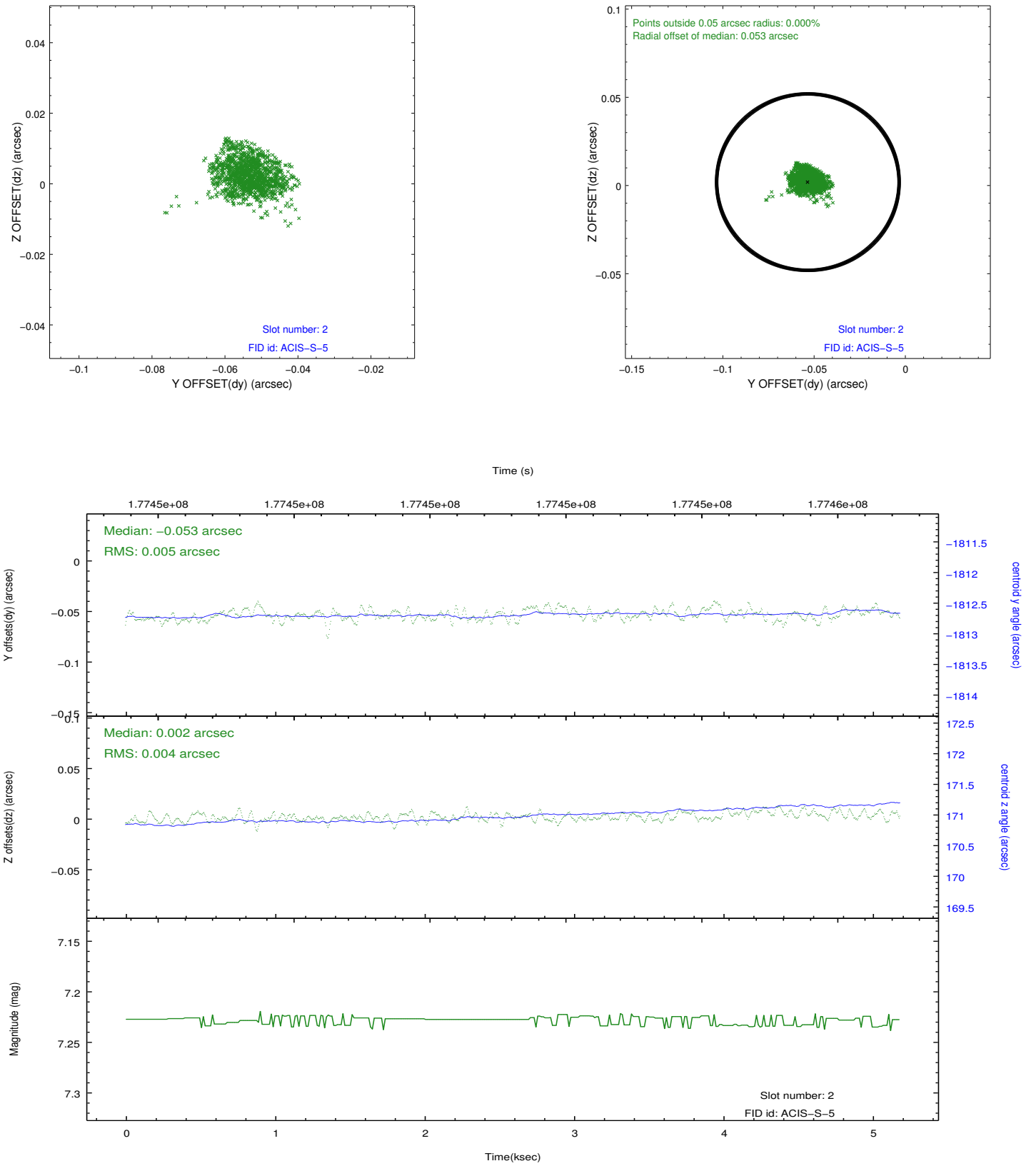
2.5.1 Slot 0



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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.181

A.2 Comments

Monitor constraint met.