

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1634 - L2 Version 3
Chandra X-Ray Center

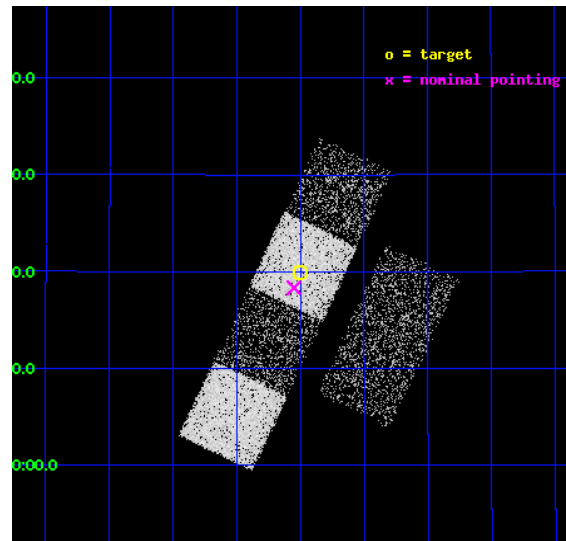
L2 Processing Date : Sep 16 2012

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1 Front

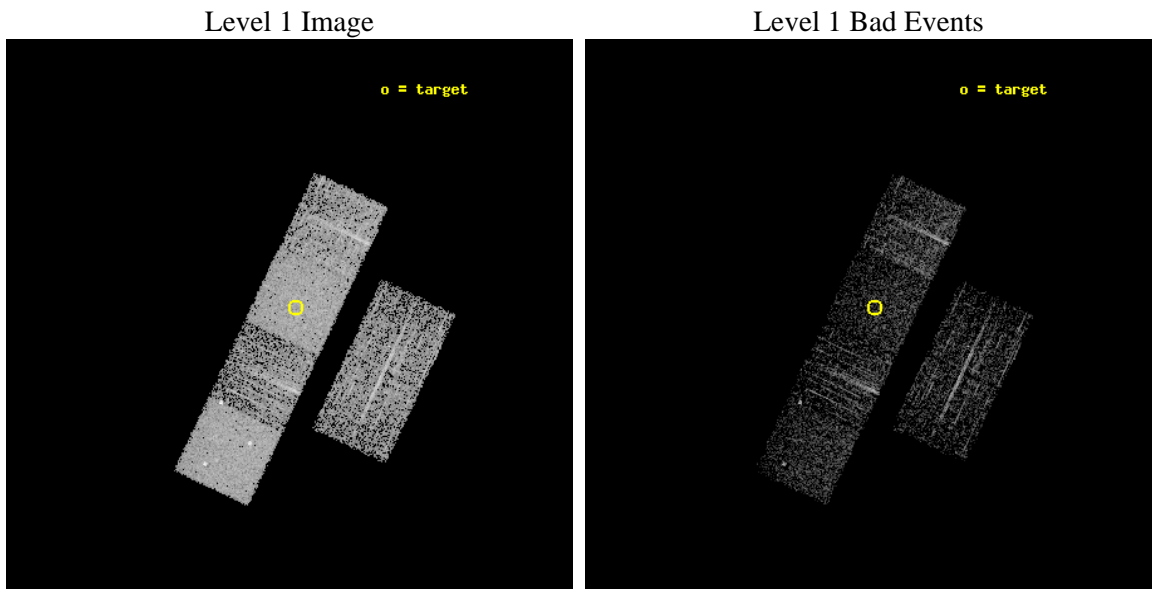
seq_num	700250	Sequence number
obs_id	1634	Observation id
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	IC 1727	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	26.875417	Observer's specified target RA [deg]
dec_targ	27.332389	Observer's specified target Dec [deg]
ra_nom	26.887684043007	Nominal RA [deg]
dec_nom	27.30544994761	Nominal Dec [deg]
roll_nom	295.40945673497	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1744.0000016093	Sum of GTIs [s]
livetime	1721.9164234782	Livetime [s]
ontime2	1744.0000016093	Sum of GTIs [s]
ontime3	1744.0000016093	Sum of GTIs [s]
ontime5	1744.0000016093	Sum of GTIs [s]
ontime6	1744.0000016093	Sum of GTIs [s]
ontime7	1744.0000016093	Sum of GTIs [s]
ontime8	1740.7591709793	Sum of GTIs [s]
l2events	26873	Number of level 2 events



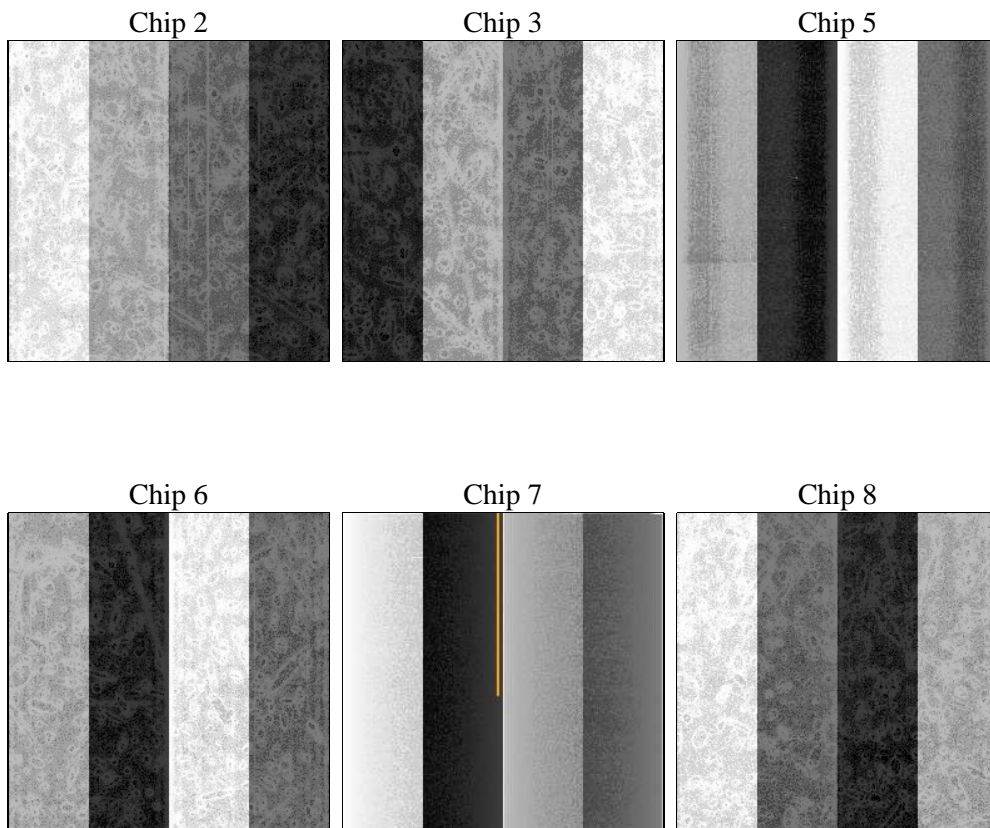
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2010.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1744.0000016093	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1744.0000016093	Sum of GTIs [s]
date	2012-09-16T02:57:41	Date and time of file creation	ontime3	1744.0000016093	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1744.0000016093	Sum of GTIs [s]
			ontime6	1744.0000016093	Sum of GTIs [s]
			ontime7	1744.0000016093	Sum of GTIs [s]
			ontime8	1740.7591709793	Sum of GTIs [s]
			l1events	91191	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10859	10942	21533	11519	19795	16543
rejected events	9616	9683	9007	10174	8641	13705
rejected %	88%	88%	41%	88%	43%	82%

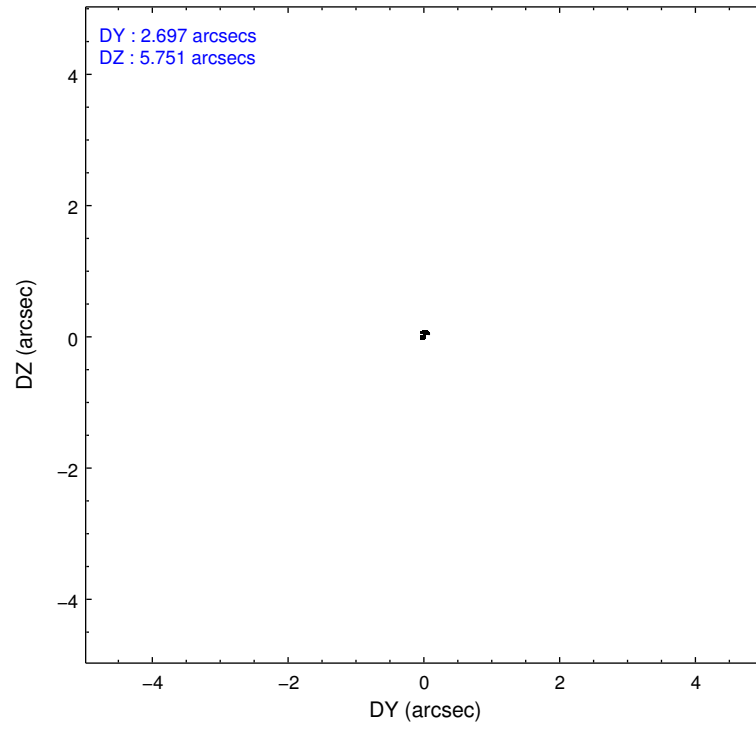
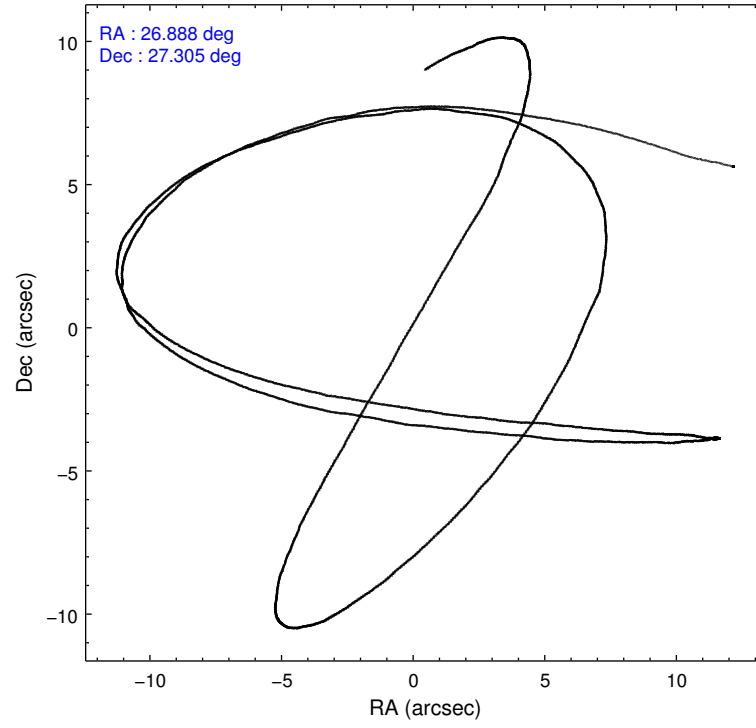
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	573	579	2075	599	1326	954
	5%	5%	9%	5%	6%	5%
grade 1 events	6	6	76	2	18	18
	0%	0%	0%	0%	0%	0%
grade 2 events	245	236	3477	266	2096	596
	2%	2%	16%	2%	10%	3%
grade 3 events	96	130	690	118	933	323
	0%	1%	3%	1%	4%	1%
grade 4 events	118	108	660	112	949	278
	1%	0%	3%	0%	4%	1%
grade 5 events	373	405	1411	452	1417	549
	3%	3%	6%	3%	7%	3%
grade 6 events	212	210	5660	256	5884	737
	1%	1%	26%	2%	29%	4%
grade 7 events	9236	9268	7484	9714	7172	13088
	85%	84%	34%	84%	36%	79%

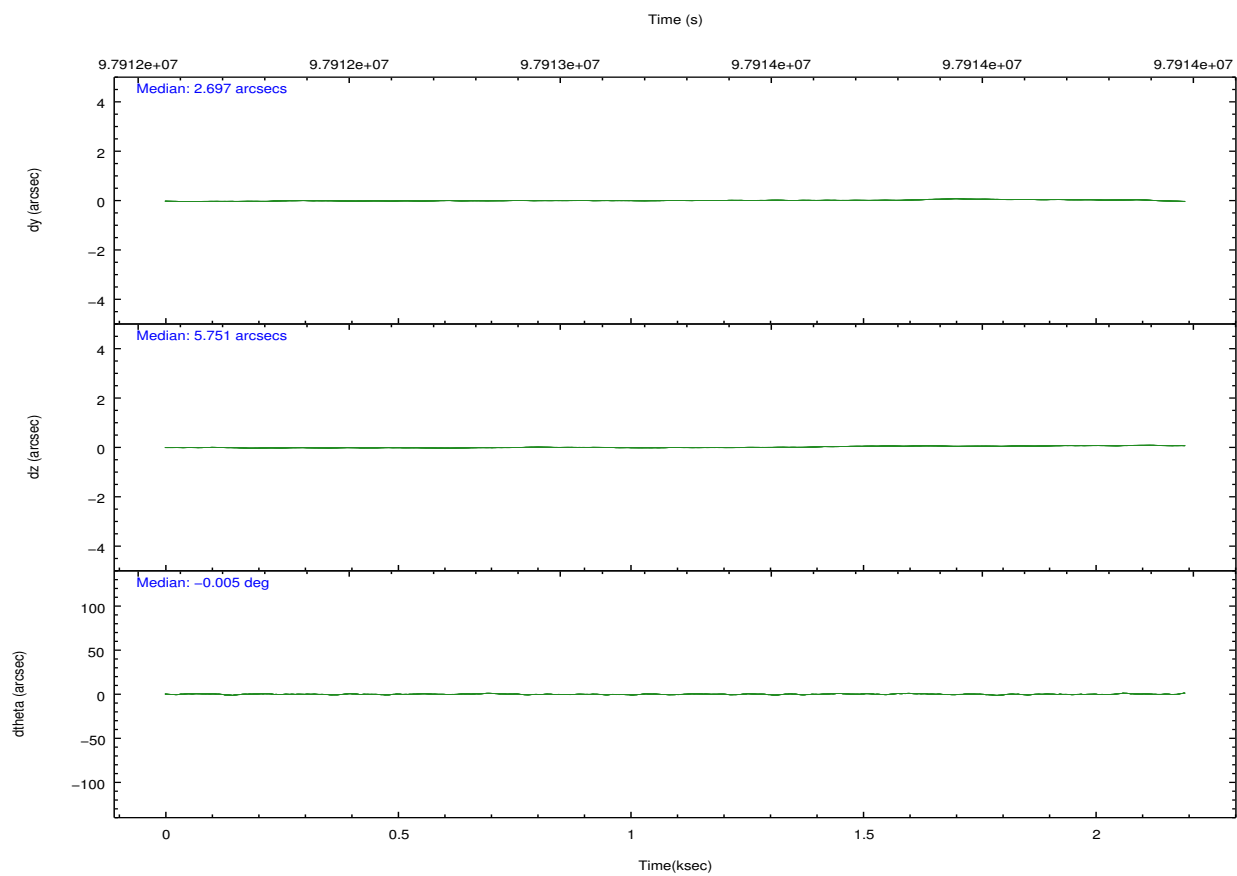
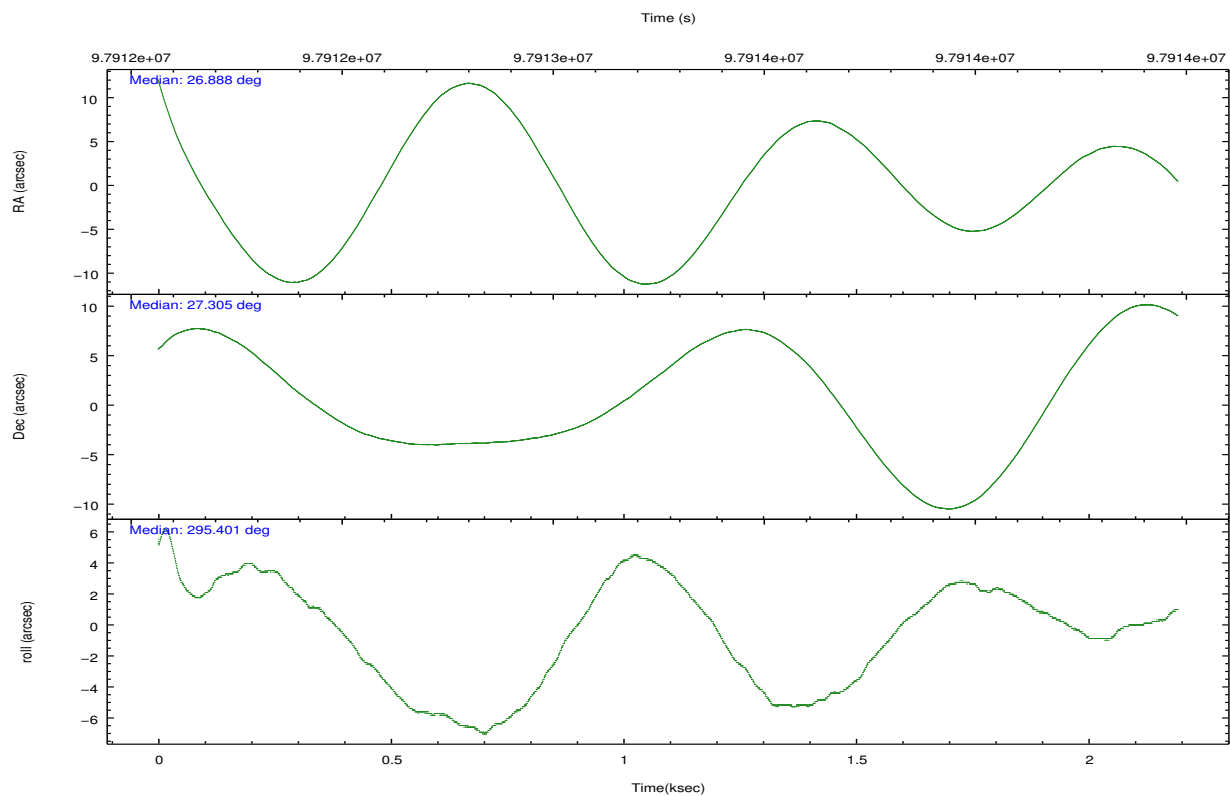
2.2 Compared Parameters

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	26.862192	26.88768404300701
[deg] Pointing Dec	27.320569	27.30544994760992
[deg] Pointing Roll	295.264480	295.4094567349732
[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)	97912357.184000	97911627.79991101
Observation start date	2001-02-07T05:51:33	2001-02-07T05:40:27
[s] Observation end time (MET)	97914367.184000	97915087.687544
Observation end date	2001-02-07T06:25:03	2001-02-07T06:38:07
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



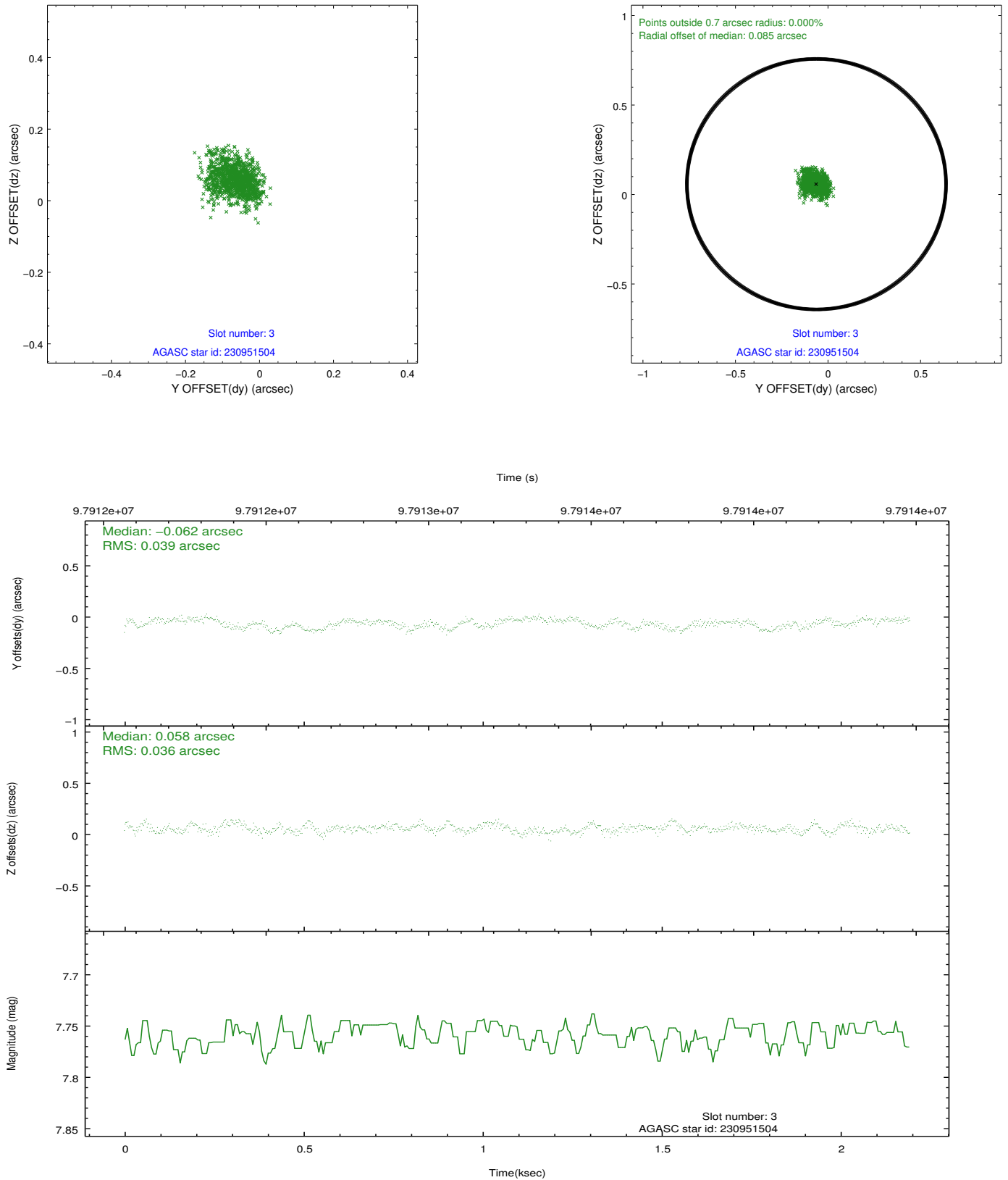


Slot Statistics

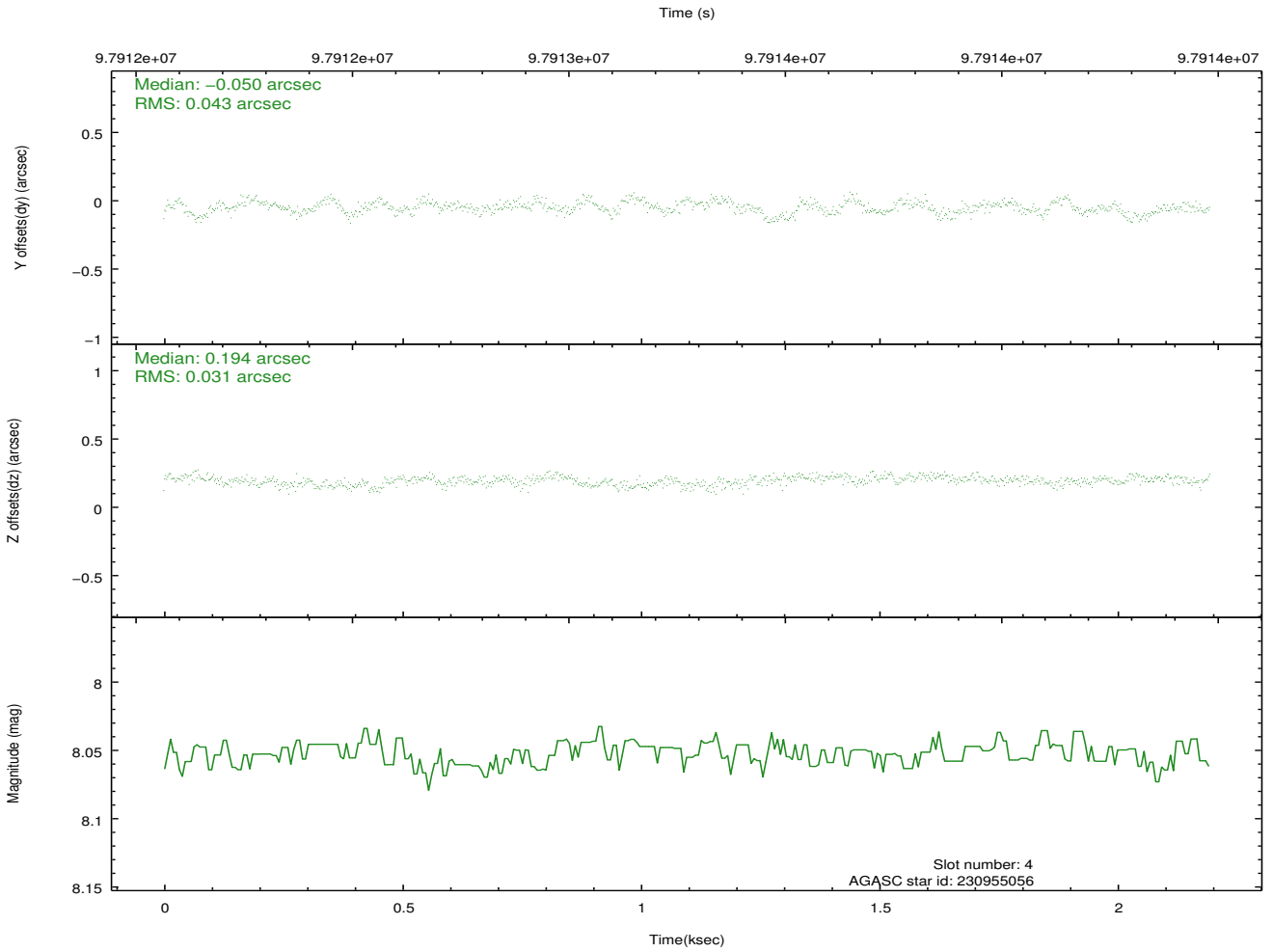
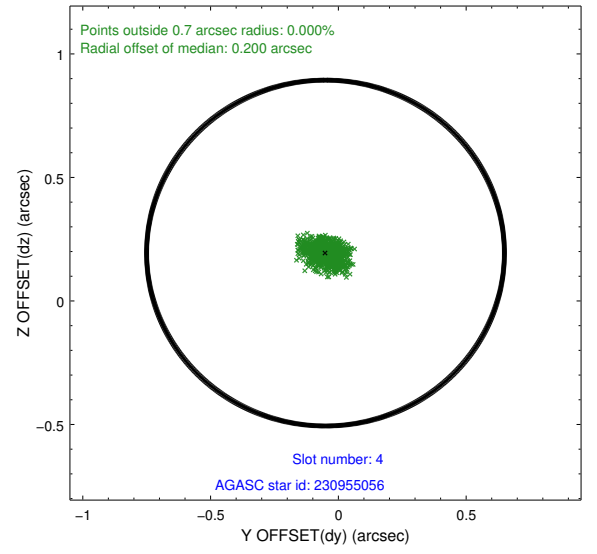
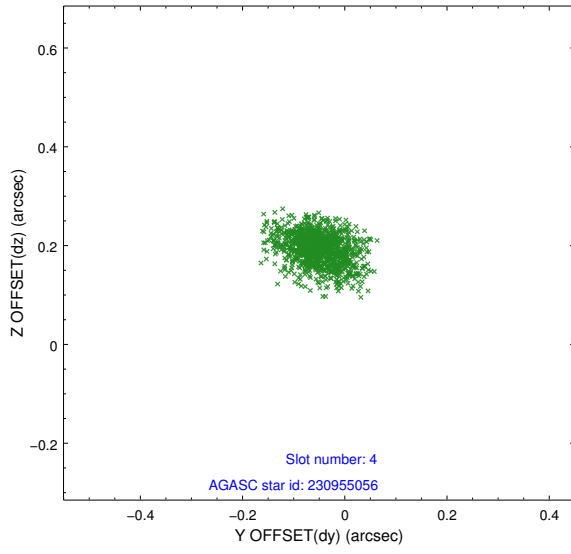
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	535	-0.035	-0.000	0.007	0.012	0.000000	0.000000	-755.33	-1726.91
1	FID	ACIS-S-4	7.20	535	-0.014	0.017	0.008	0.015	0.000000	0.000000	2156.58	178.58
2	FID	ACIS-S-5	7.24	535	0.018	-0.008	0.007	0.012	0.000000	0.000000	-1804.33	175.53
3	GUIDE	230951504	7.76	1071	-0.062	0.058	0.057	0.092	27.409007	27.706493	-515.50	2170.09
4	GUIDE	230955056	8.05	1071	-0.050	0.194	0.055	0.094	26.996320	27.917524	-1761.36	1304.54
5	GUIDE	230556864	8.64	1071	-0.089	-0.156	0.066	0.105	26.306031	27.416418	-1074.75	-1458.06
6	GUIDE	230567800	8.97	1071	0.003	-0.113	0.082	0.126	26.403613	26.949694	577.19	-1901.53
7	GUIDE	230557872	9.24	1069	0.203	0.020	0.065	0.110	26.839930	26.864457	1456.23	-767.64

2.4 Star Slots

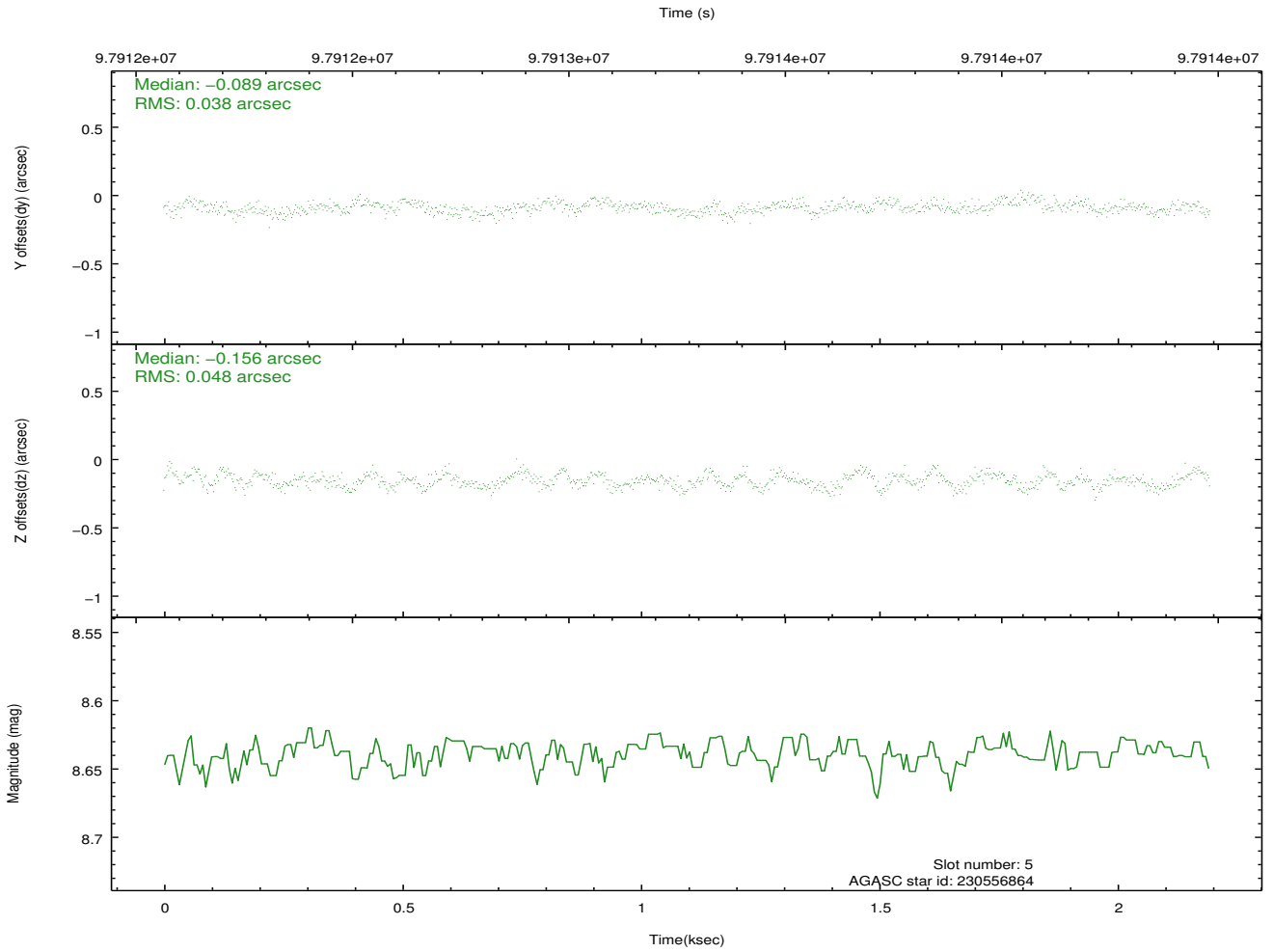
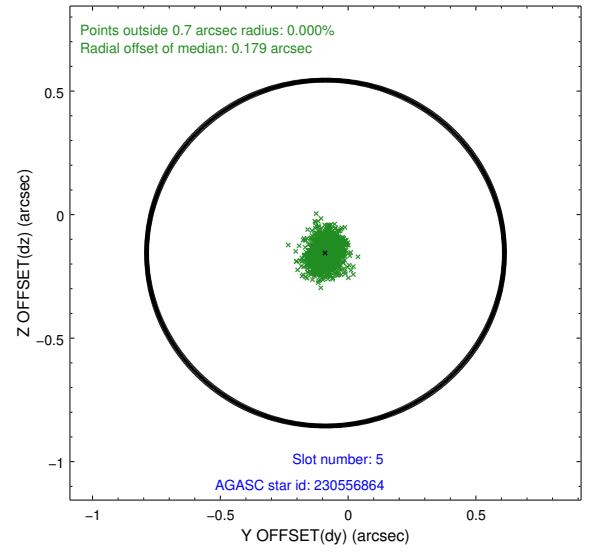
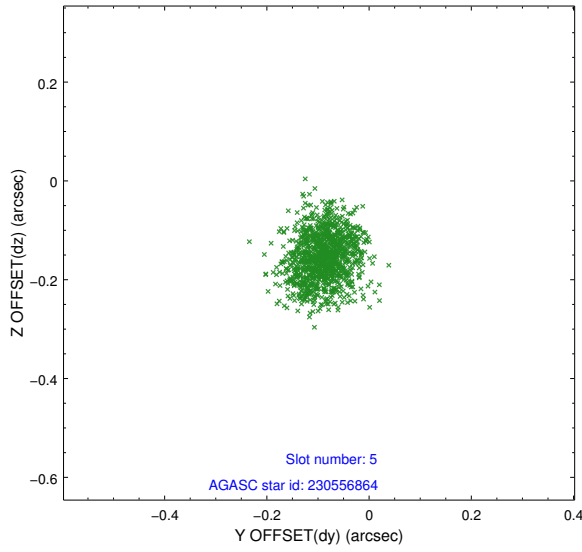
2.4.1 Slot 3



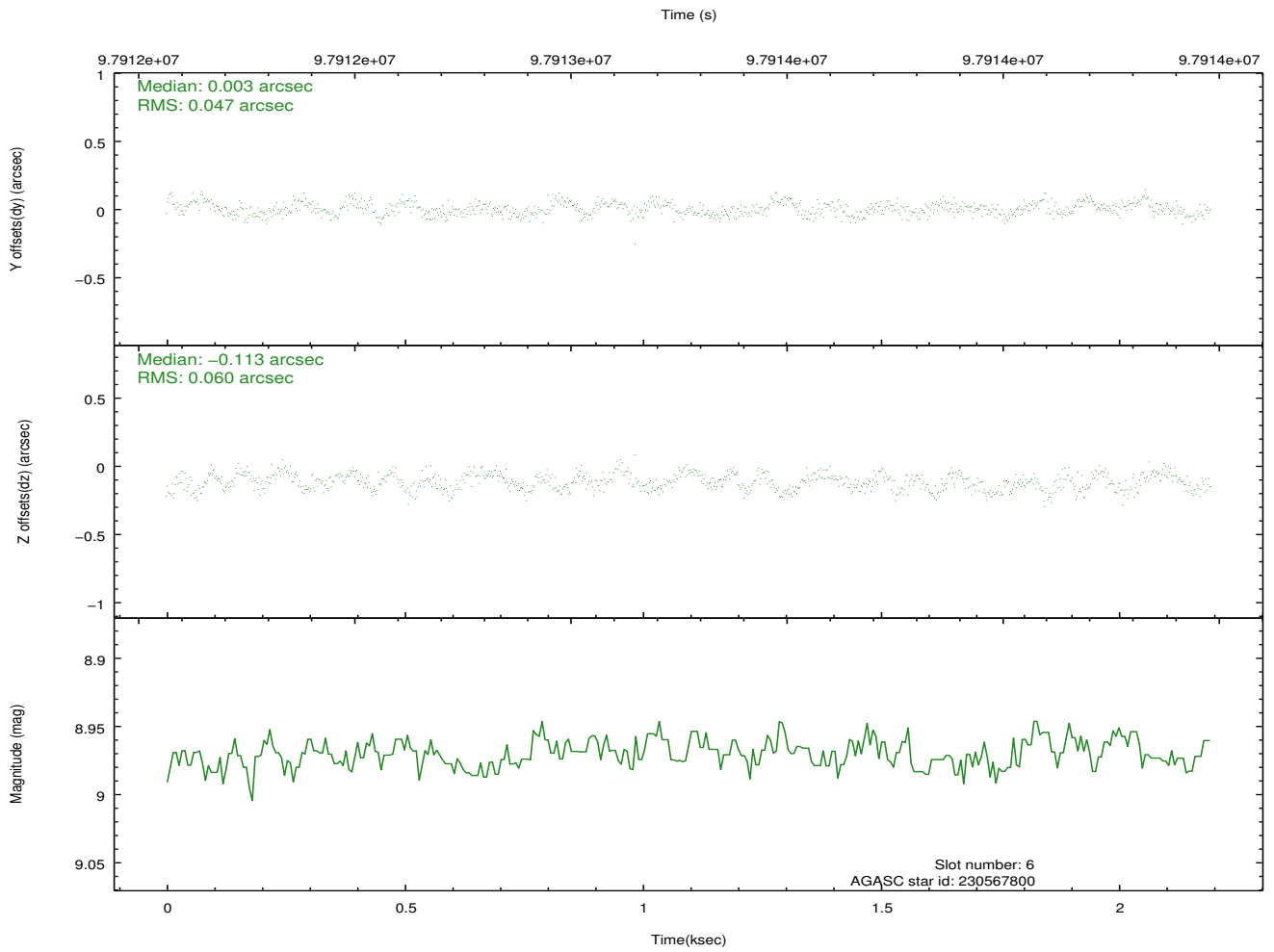
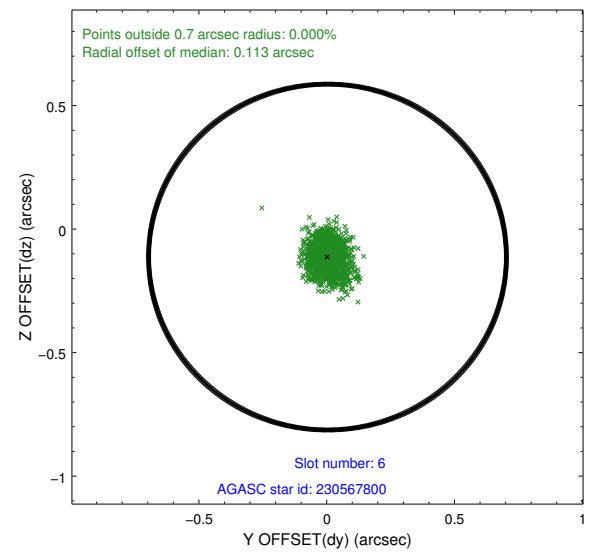
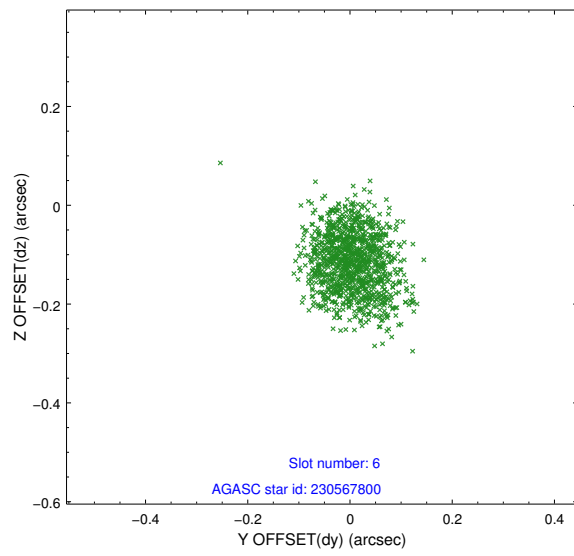
2.4.2 Slot 4



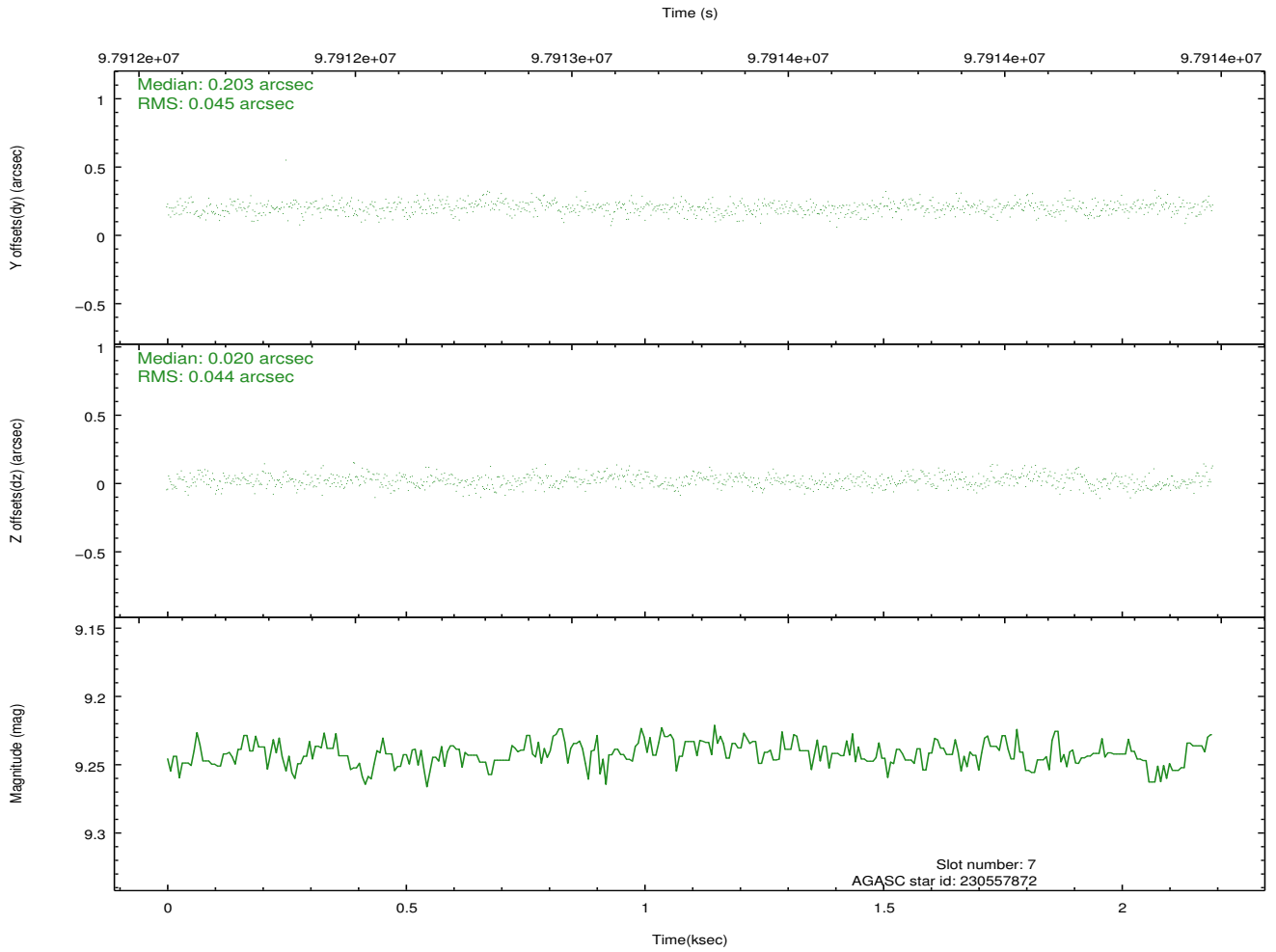
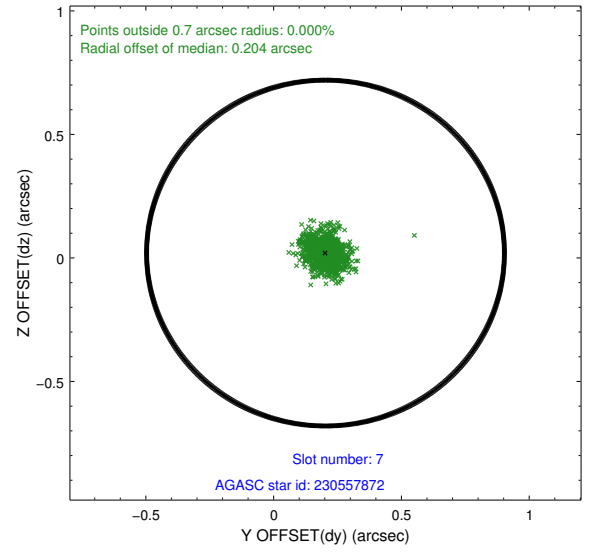
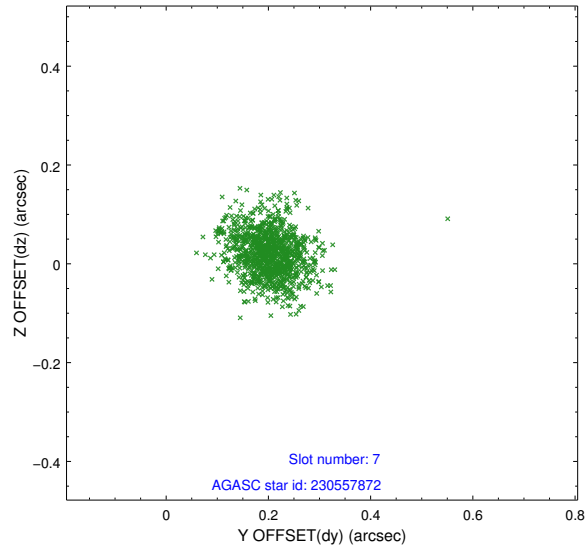
2.4.3 Slot 5



2.4.4 Slot 6

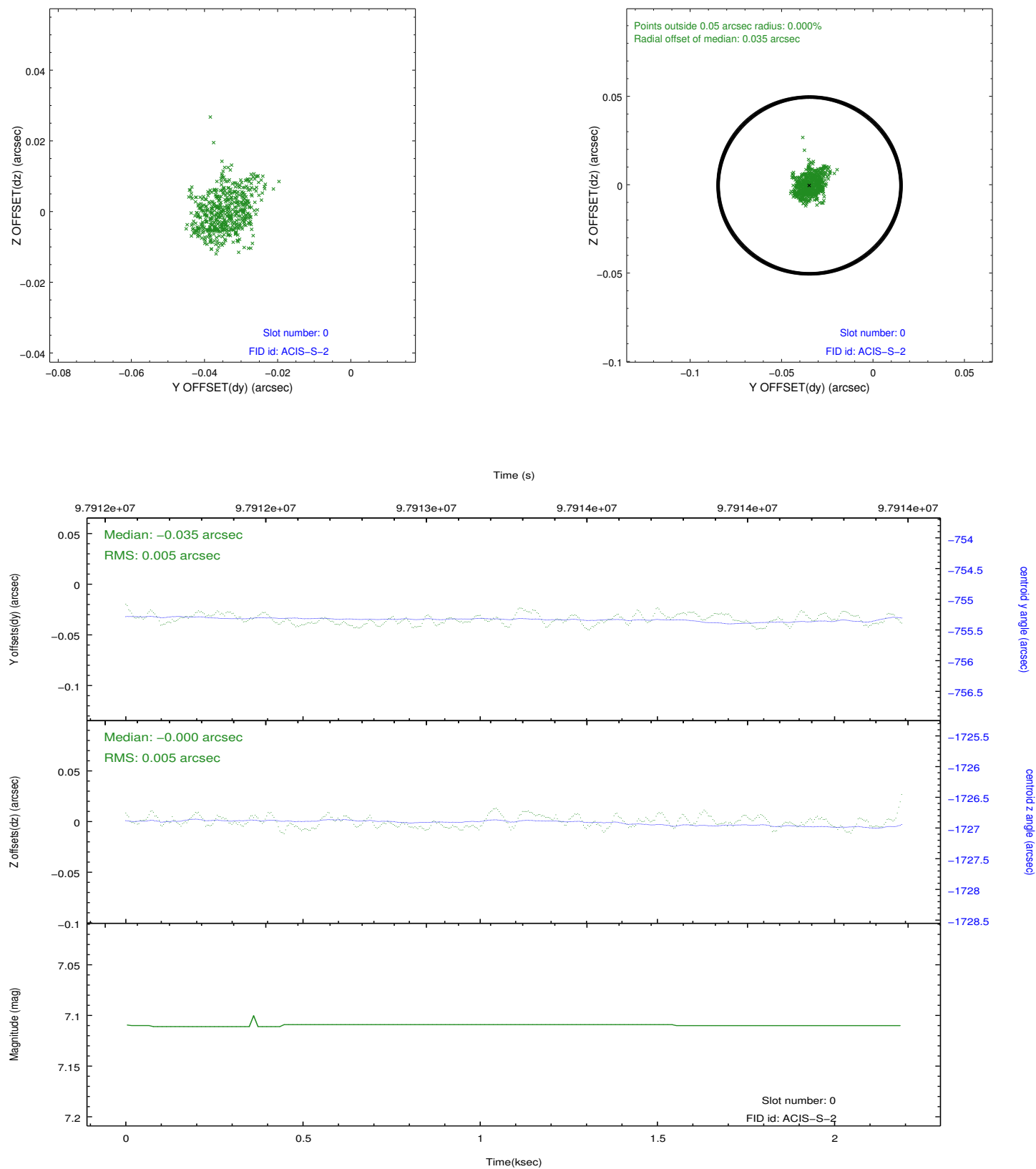


2.4.5 Slot 7

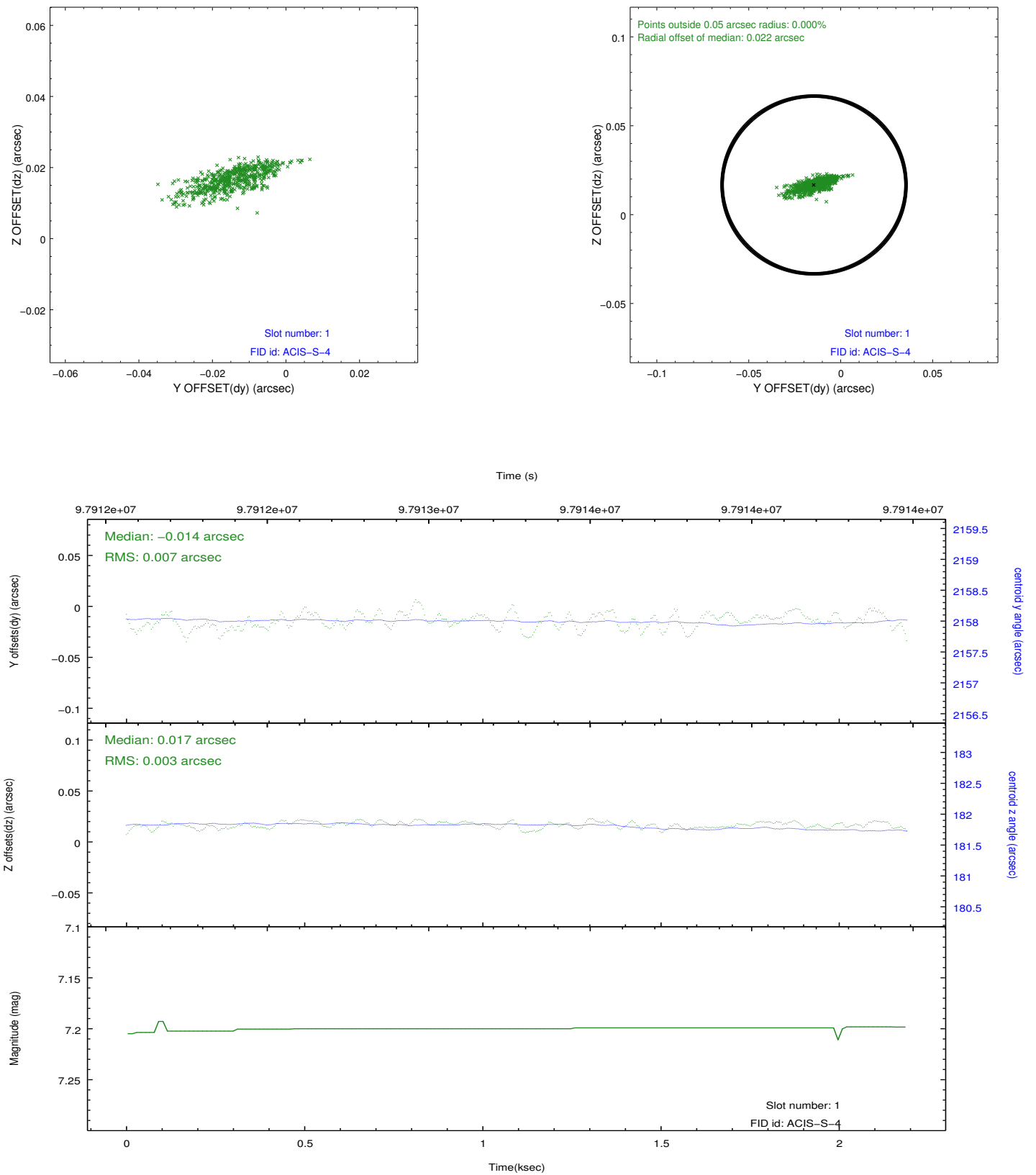


2.5 FID Slots

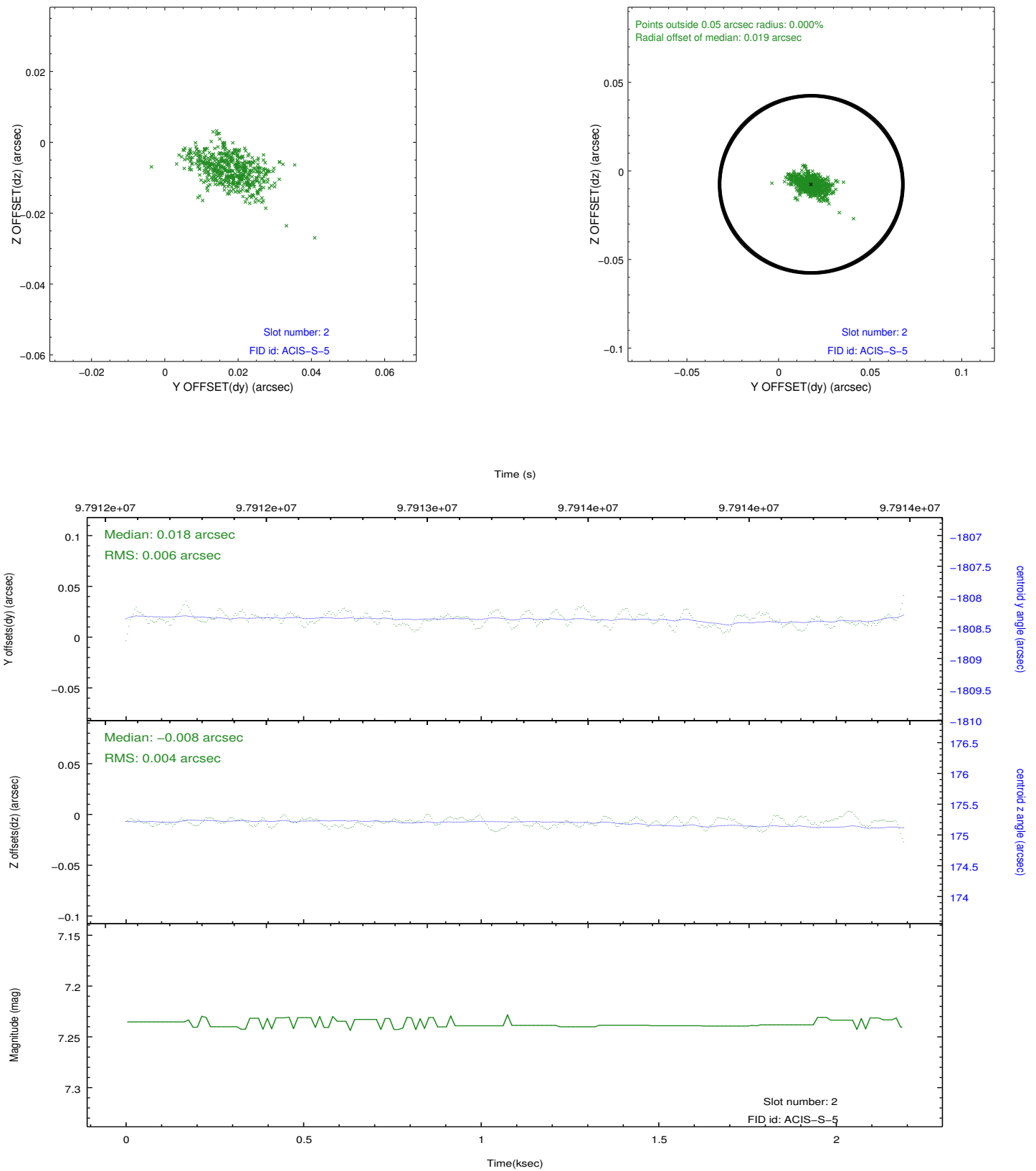
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.747

A.2 Comments