

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 880 - L2 Version 4
Chandra X-Ray Center

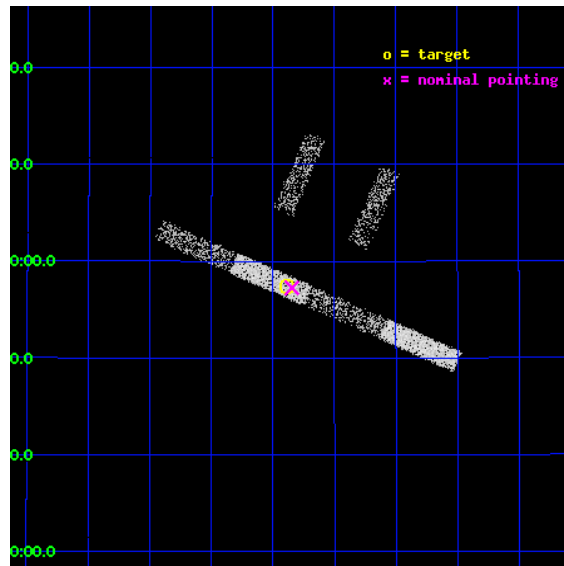
L2 Processing Date : Aug 28 2012

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1 Front

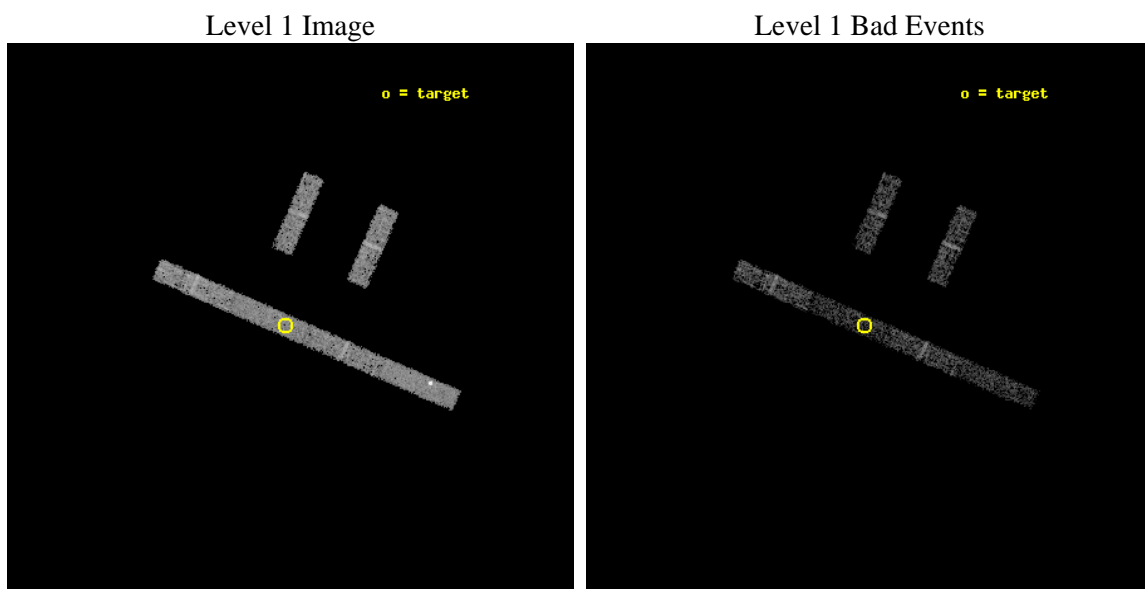
seq_num	700185	Sequence number
obs_id	880	Observation id
title	SURVEY OF RADIO QUIET \$Z>4\$ QUASARS	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	PSS 1435+3057	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.847917	Observer's specified target RA [deg]
dec_targ	30.956389	Observer's specified target Dec [deg]
ra_nom	218.83655710794	Nominal RA [deg]
dec_nom	30.954199864396	Nominal Dec [deg]
roll_nom	203.50380314143	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2916.0999841988	Sum of GTIs [s]
liveltime	2811.21606834	Livetime [s]
ontime2	2916.0999841988	Sum of GTIs [s]
ontime3	2916.0999841988	Sum of GTIs [s]
ontime5	2916.0999841988	Sum of GTIs [s]
ontime6	2916.0999841988	Sum of GTIs [s]
ontime7	2916.0999841988	Sum of GTIs [s]
ontime8	2916.0999841988	Sum of GTIs [s]
l2events	7537	Number of level 2 events



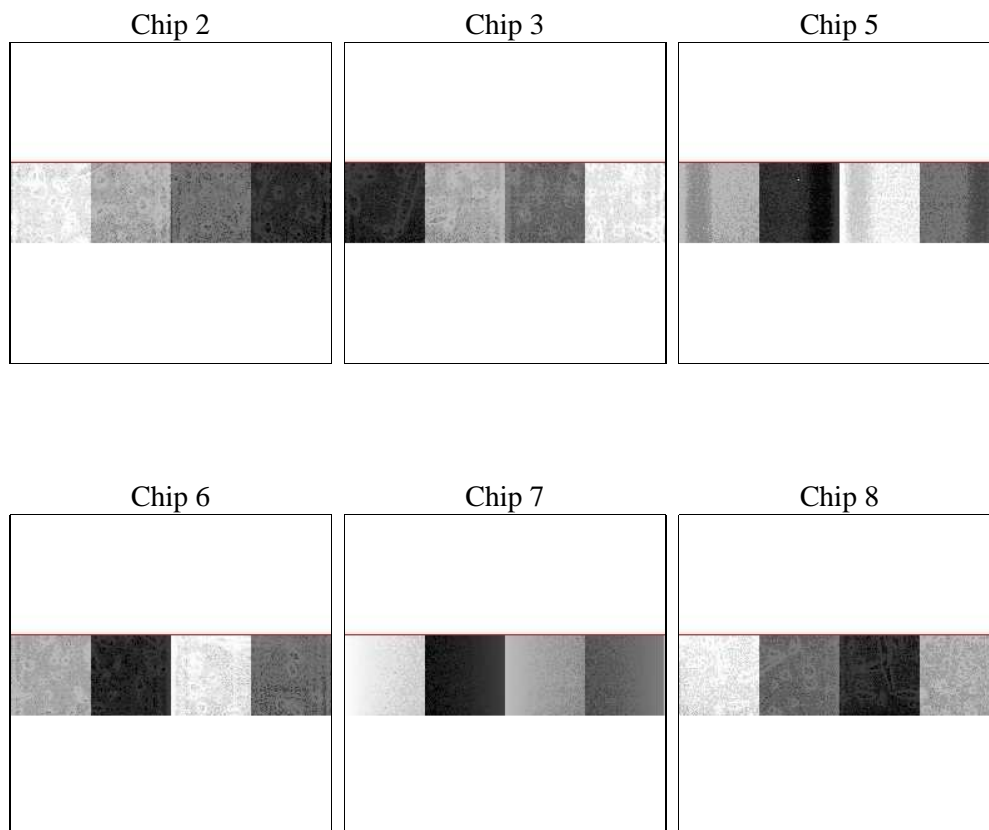
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2750.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2916.0999841988	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	2916.0999841988	Sum of GTIs [s]
date	2012-08-28T04:24:04	Date and time of file creation	ontime3	2916.0999841988	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2916.0999841988	Sum of GTIs [s]
			ontime6	2916.0999841988	Sum of GTIs [s]
			ontime7	2916.0999841988	Sum of GTIs [s]
			ontime8	2916.0999841988	Sum of GTIs [s]
			l1events	50933	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7883	7031	10530	7409	7345	10735
rejected events	7269	6401	5439	6719	4707	9170
rejected %	92%	91%	51%	90%	64%	85%

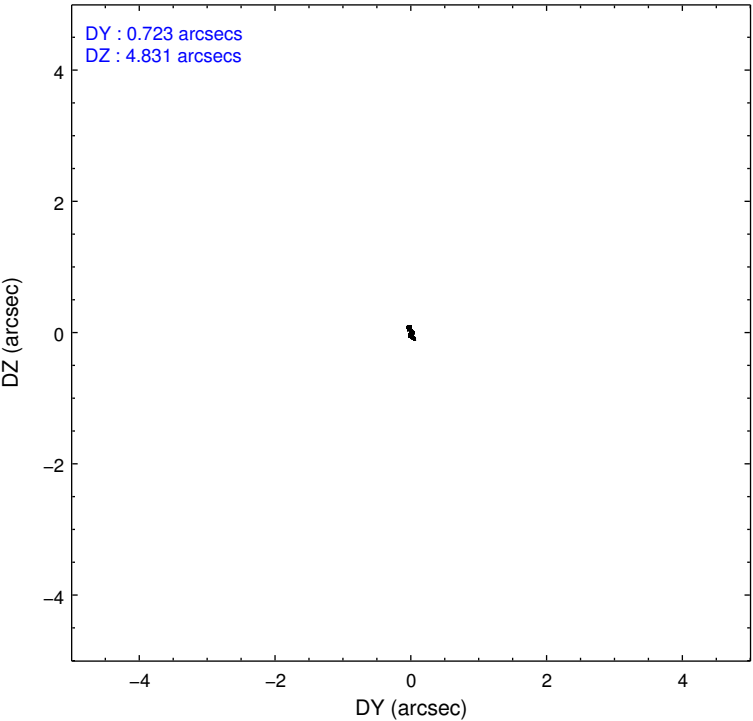
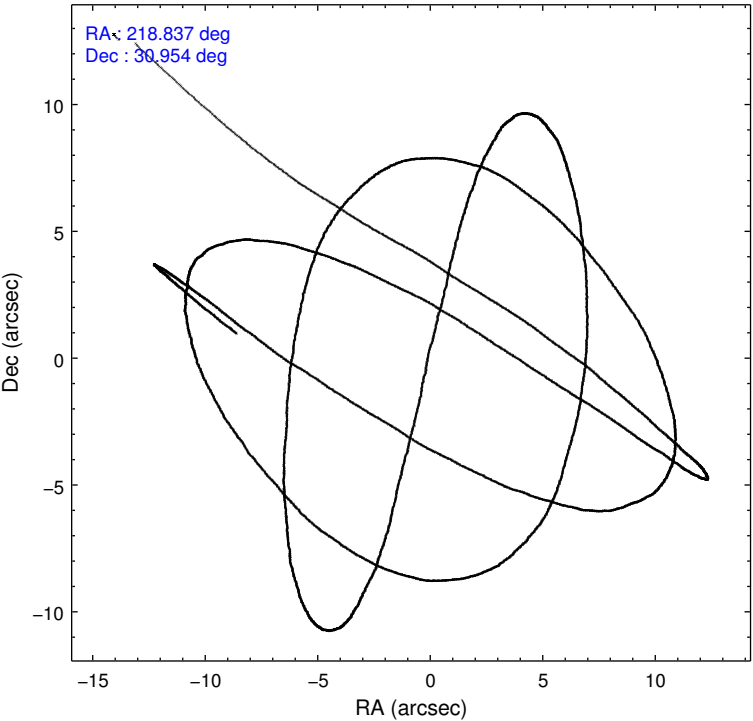
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	286	280	2853	314	328	654
	3%	3%	27%	4%	4%	6%
grade 1 events	6	2	15	0	10	1
	0%	0%	0%	0%	0%	0%
grade 2 events	153	158	1053	150	611	411
	1%	2%	10%	2%	8%	3%
grade 3 events	116	112	254	109	348	290
	1%	1%	2%	1%	4%	2%
grade 4 events	116	95	250	118	370	235
	1%	1%	2%	1%	5%	2%
grade 5 events	174	175	664	211	672	285
	2%	2%	6%	2%	9%	2%
grade 6 events	124	119	1793	159	1571	500
	1%	1%	17%	2%	21%	4%
grade 7 events	6908	6090	3648	6348	3435	8359
	87%	86%	34%	85%	46%	77%

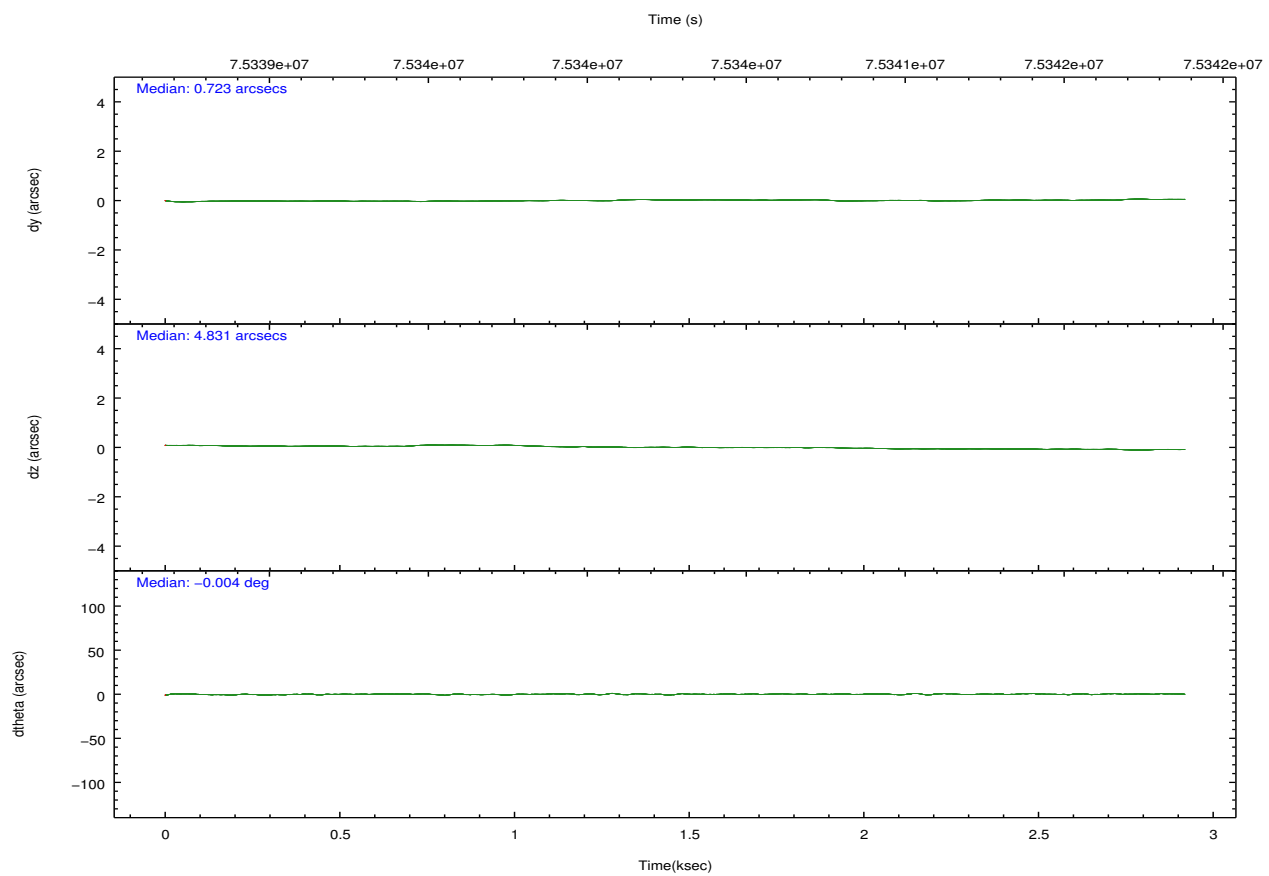
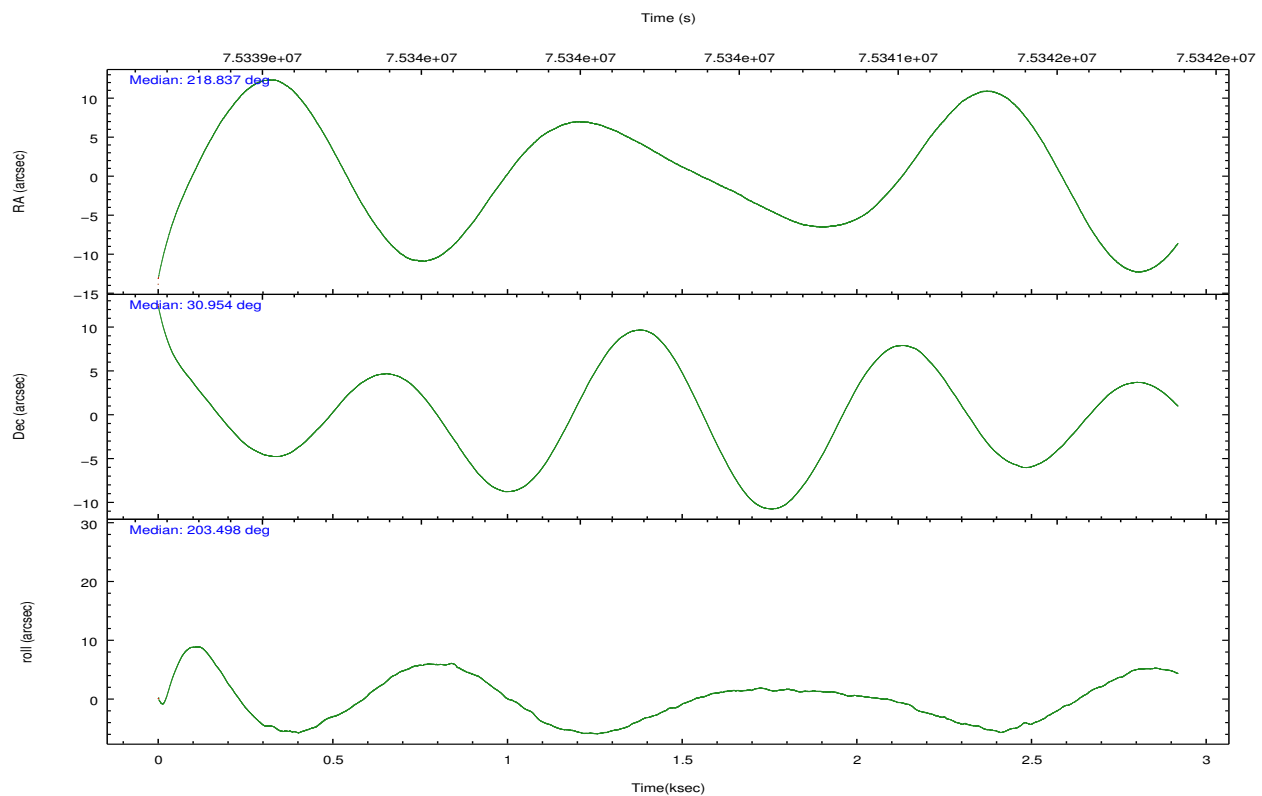
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	218.855491	218.8365571079414
[deg] Pointing Dec	30.976258	30.9541998643958
[deg] Pointing Roll	203.337481	203.5038031414321
[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)	75338985.184000	75337830.037375
Observation start date	2000-05-21T23:28:41	2000-05-21T23:10:30
[s] Observation end time (MET)	75341735.184000	75342797.700058
Observation end date	2000-05-22T00:14:31	2000-05-22T00:33:17
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	1/4
Subarray start row	385	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.1

2.3 Aspect



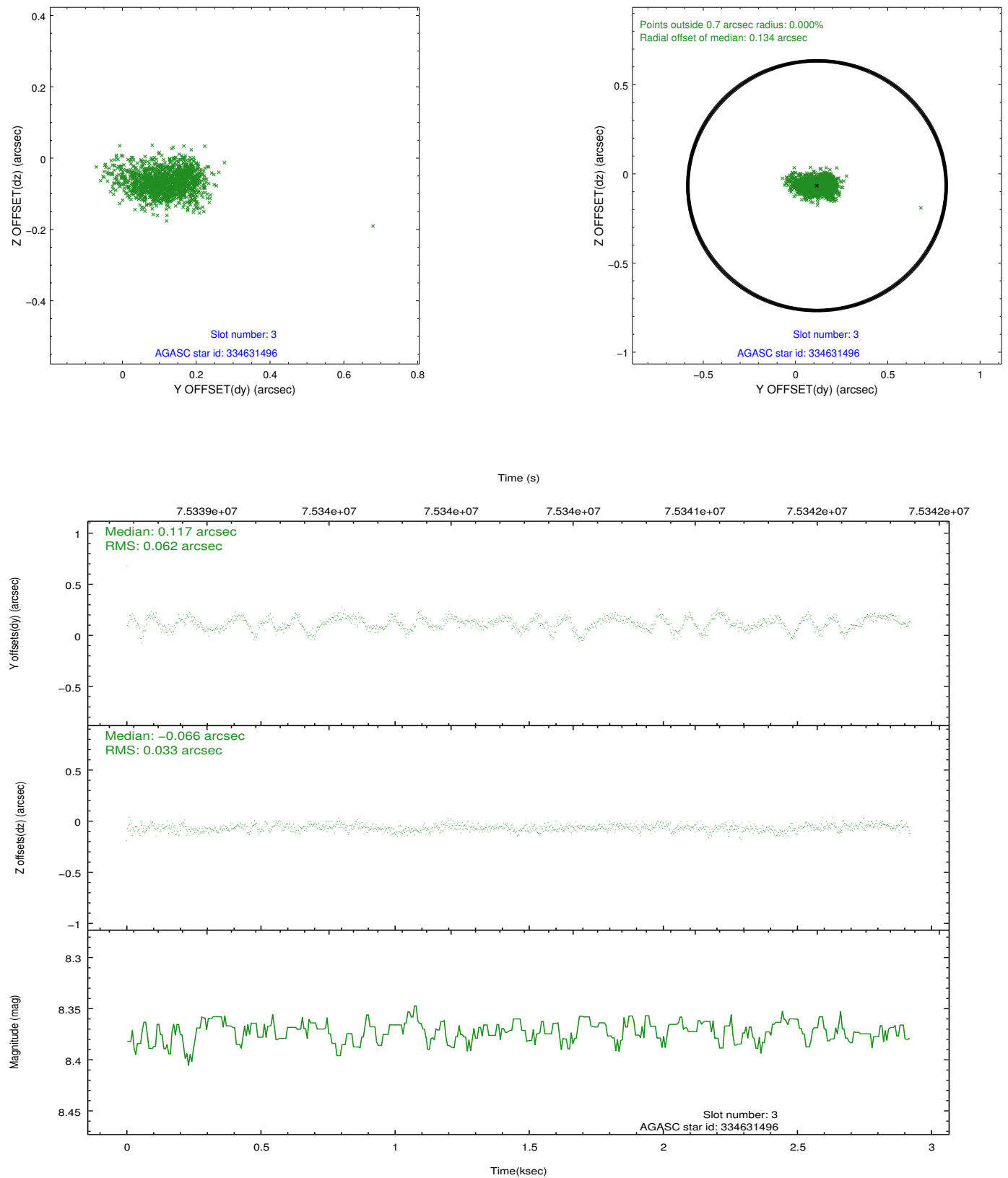


Slot Statistics

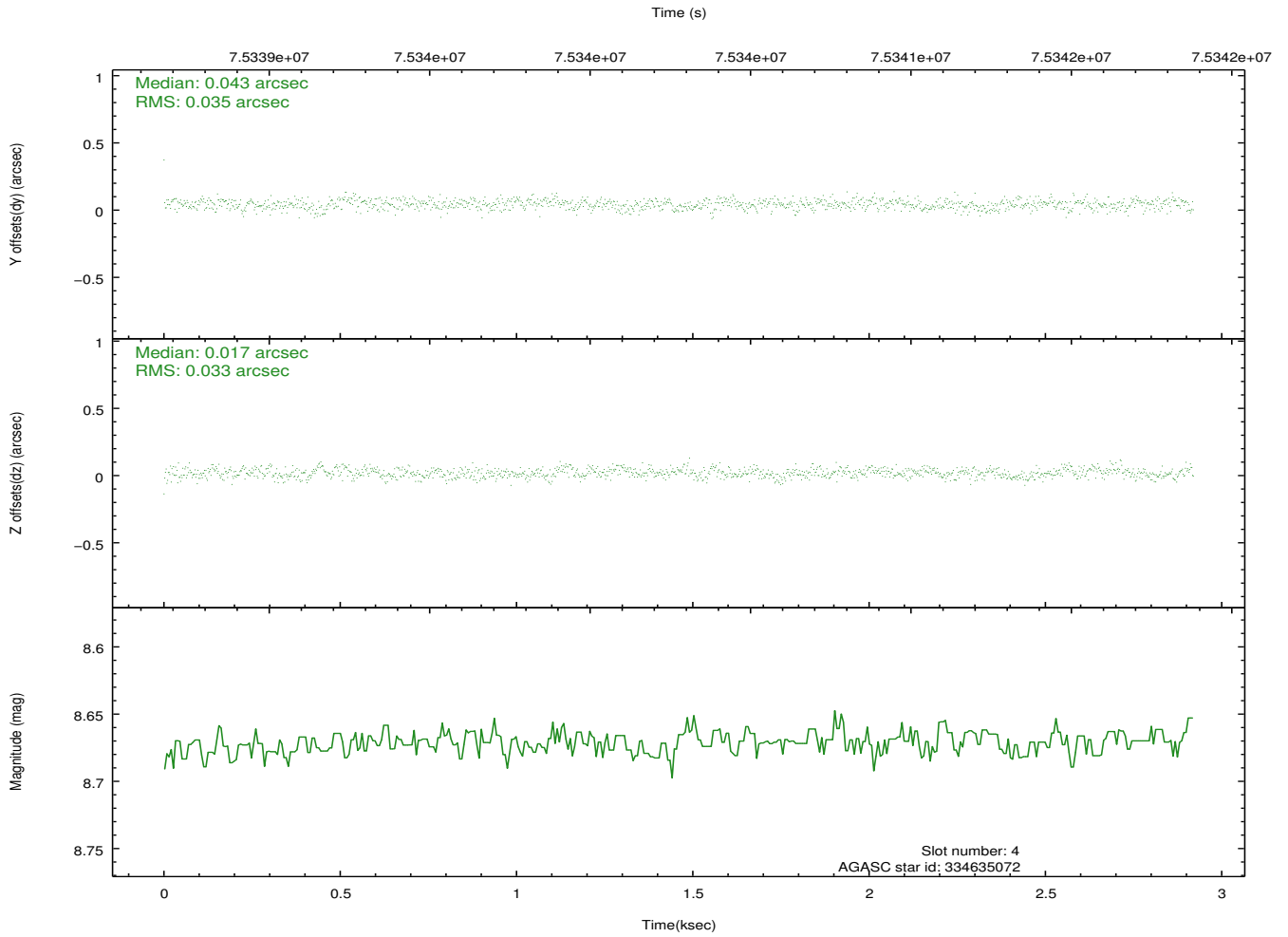
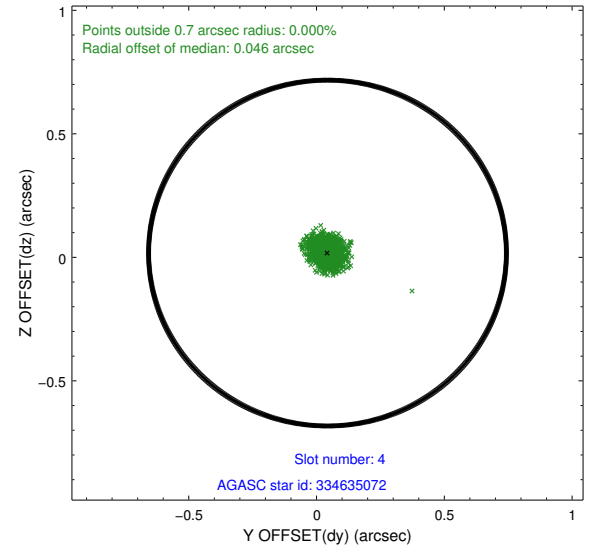
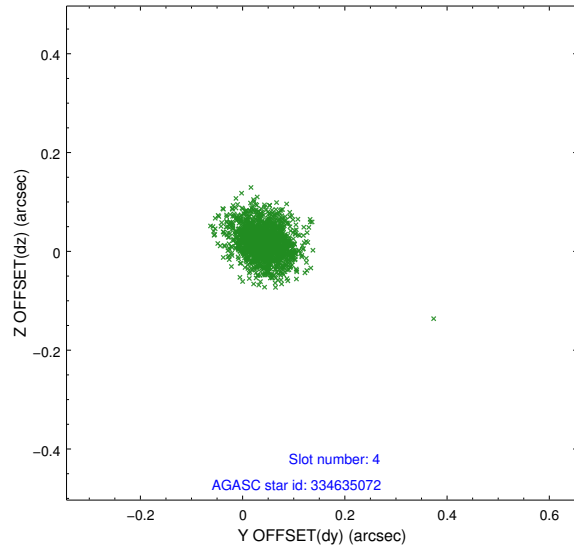
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	713	-0.041	-0.020	0.007	0.011	0.000000	0.000000	-753.34	-1725.91
1	FID	ACIS-S-4	7.21	713	0.036	0.025	0.005	0.009	0.000000	0.000000	2159.02	180.36
2	FID	ACIS-S-5	7.24	713	-0.026	0.004	0.007	0.012	0.000000	0.000000	-1803.34	176.51
3	GUIDE	334631496	8.37	1424	0.117	-0.066	0.072	0.123	217.952830	31.321076	2053.76	-2249.47
4	GUIDE	334635072	8.67	1425	0.043	0.017	0.050	0.081	218.545196	30.986206	866.78	-414.64
5	GUIDE	334758016	8.99	1425	-0.106	-0.041	0.070	0.109	219.351327	31.439595	-2059.24	-931.63
6	GUIDE	334633984	9.26	1425	0.049	-0.007	0.069	0.117	218.362497	31.122969	1183.86	-1090.17
7	GUIDE	334759312	9.25	1424	-0.096	0.091	0.070	0.114	219.355590	31.232146	-1778.36	-239.73

2.4 Star Slots

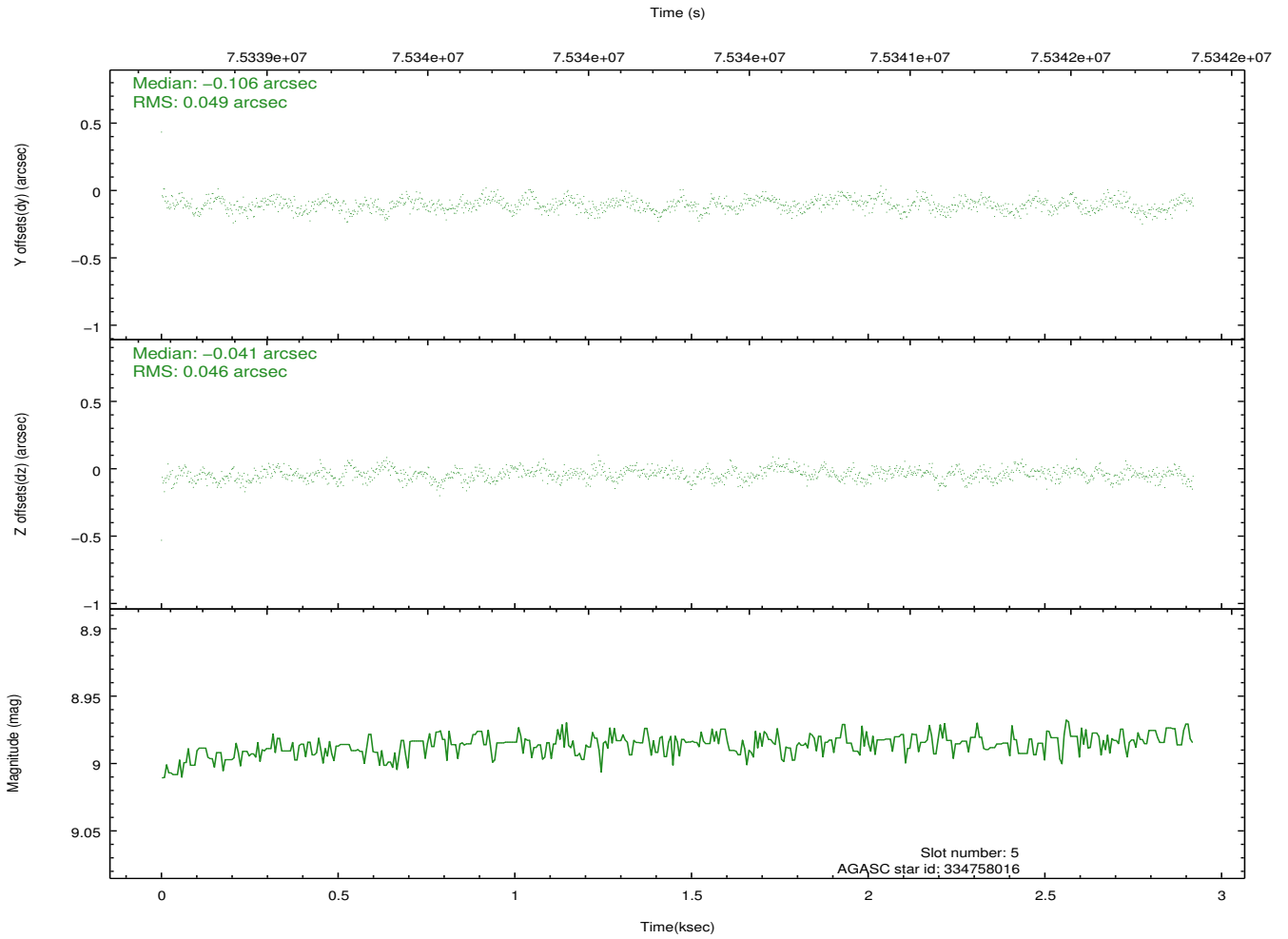
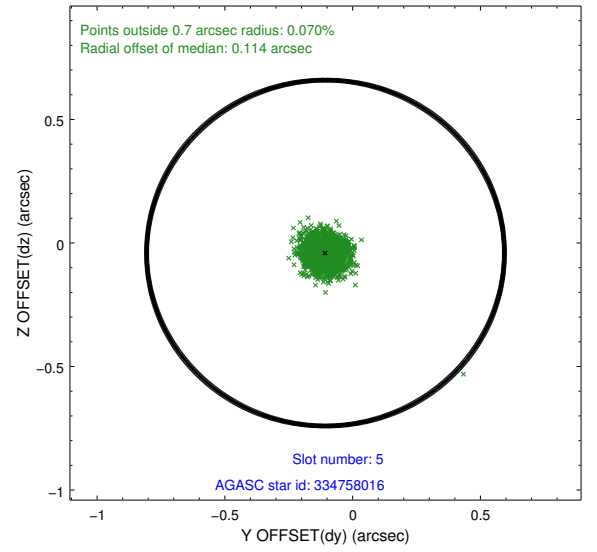
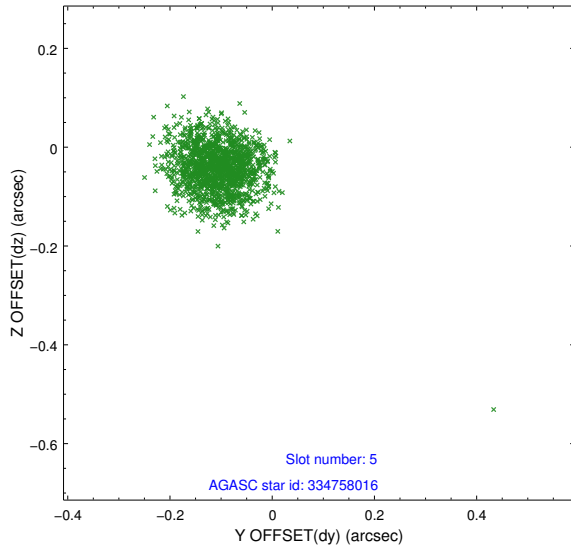
2.4.1 Slot 3



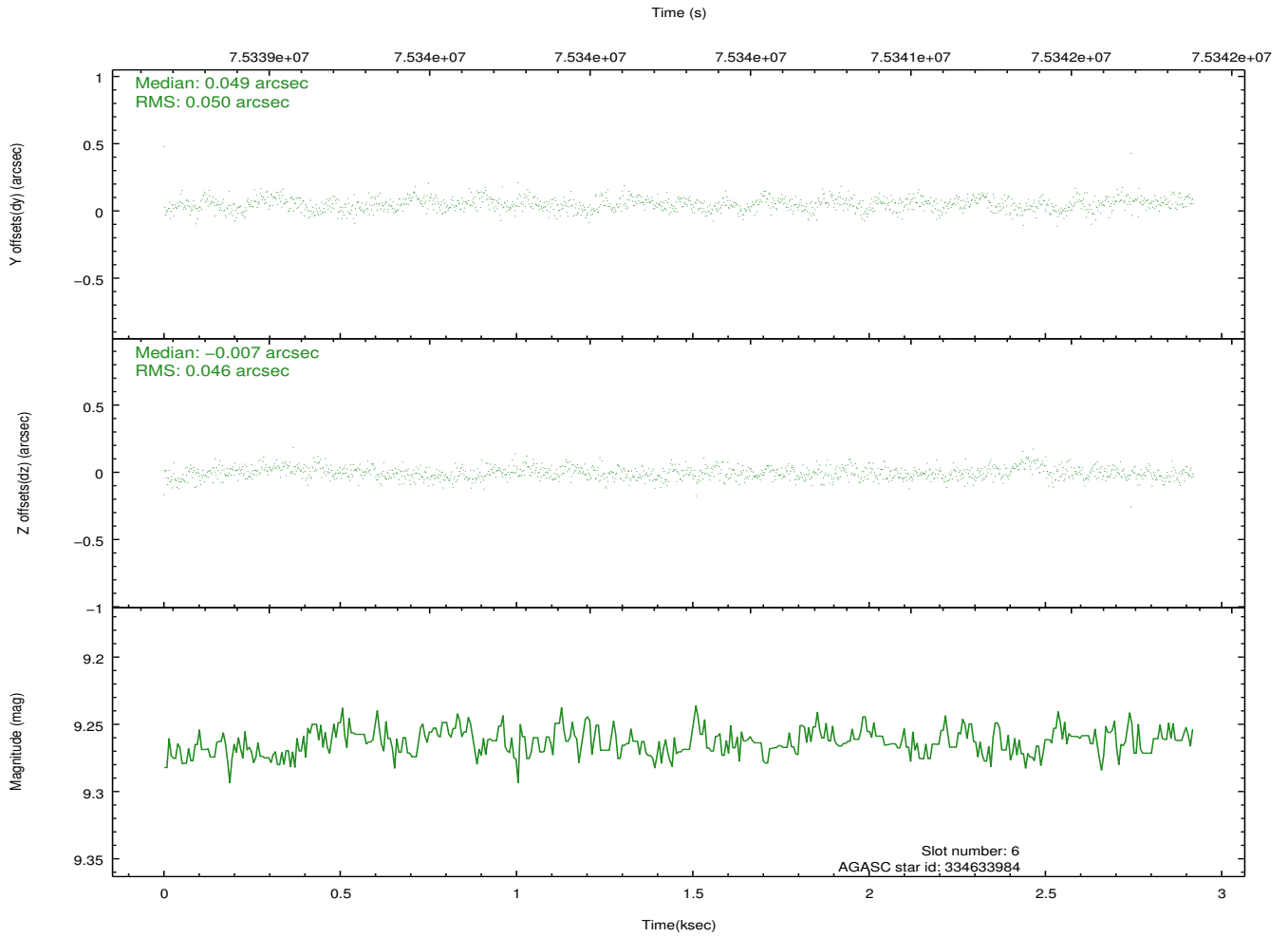
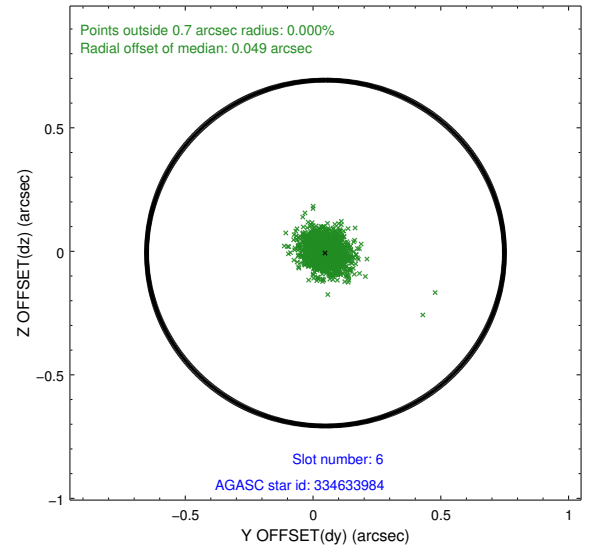
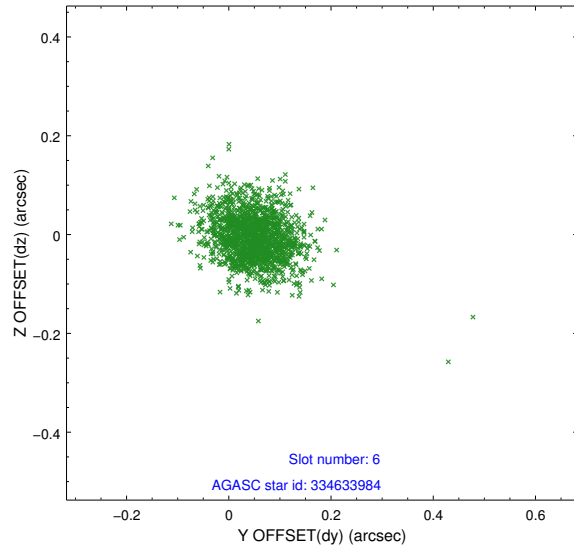
2.4.2 Slot 4



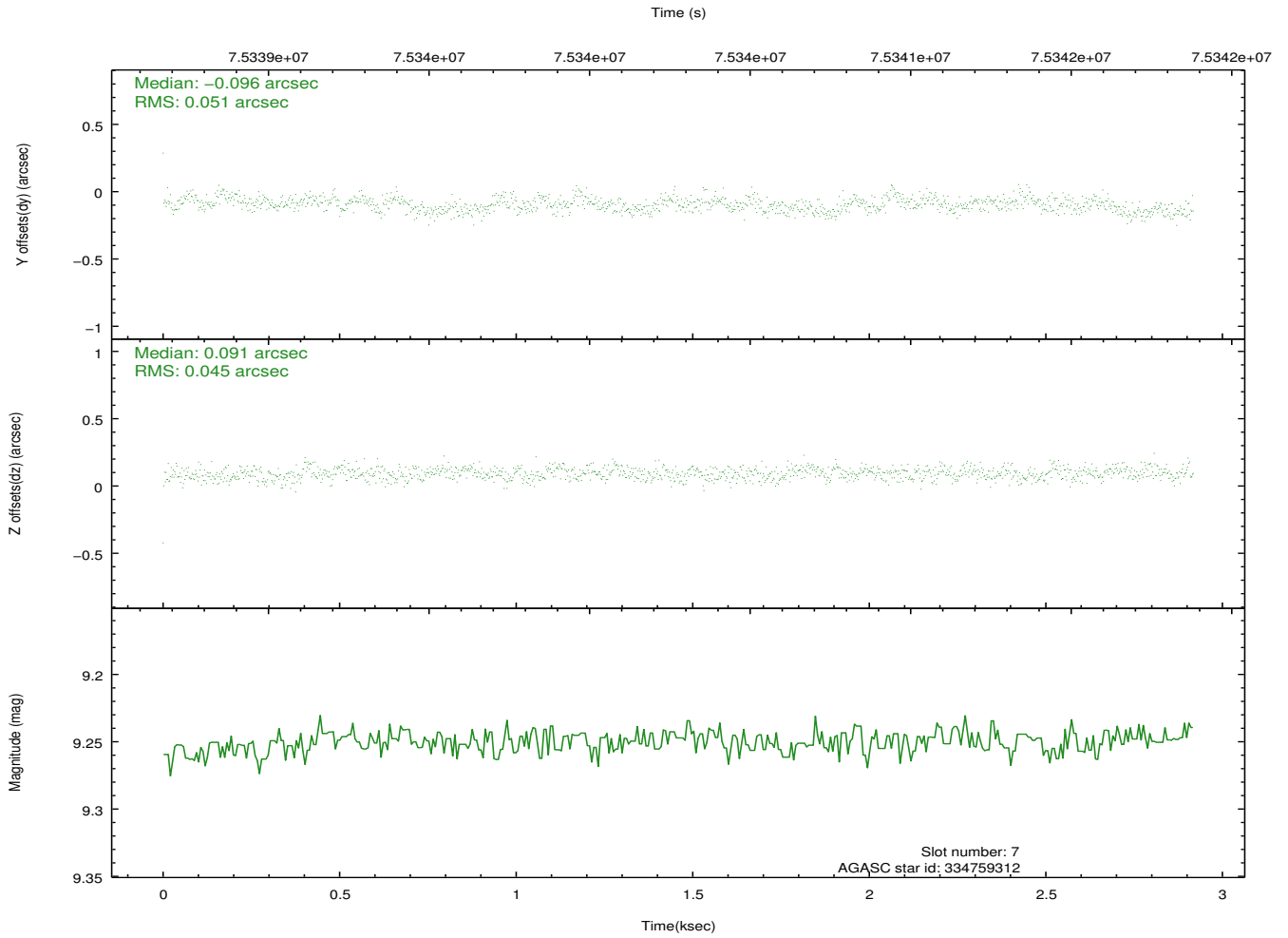
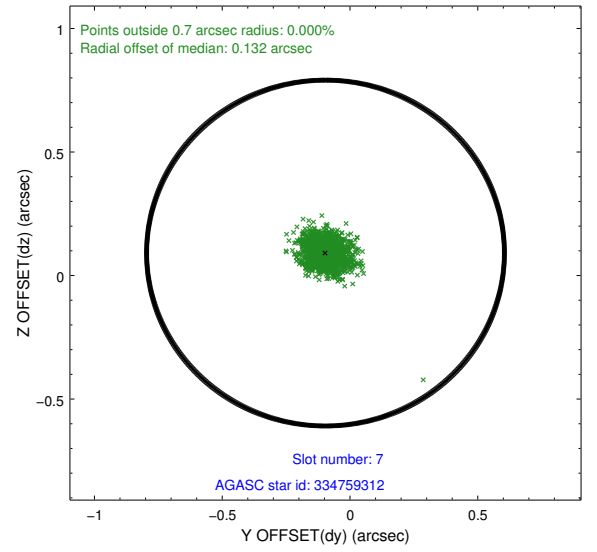
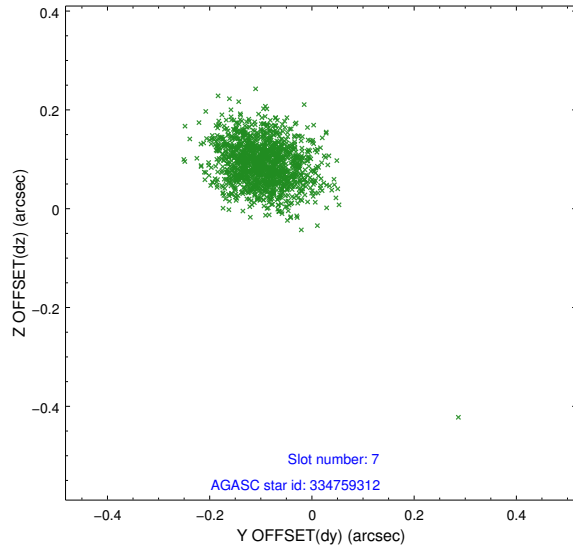
2.4.3 Slot 5



2.4.4 Slot 6

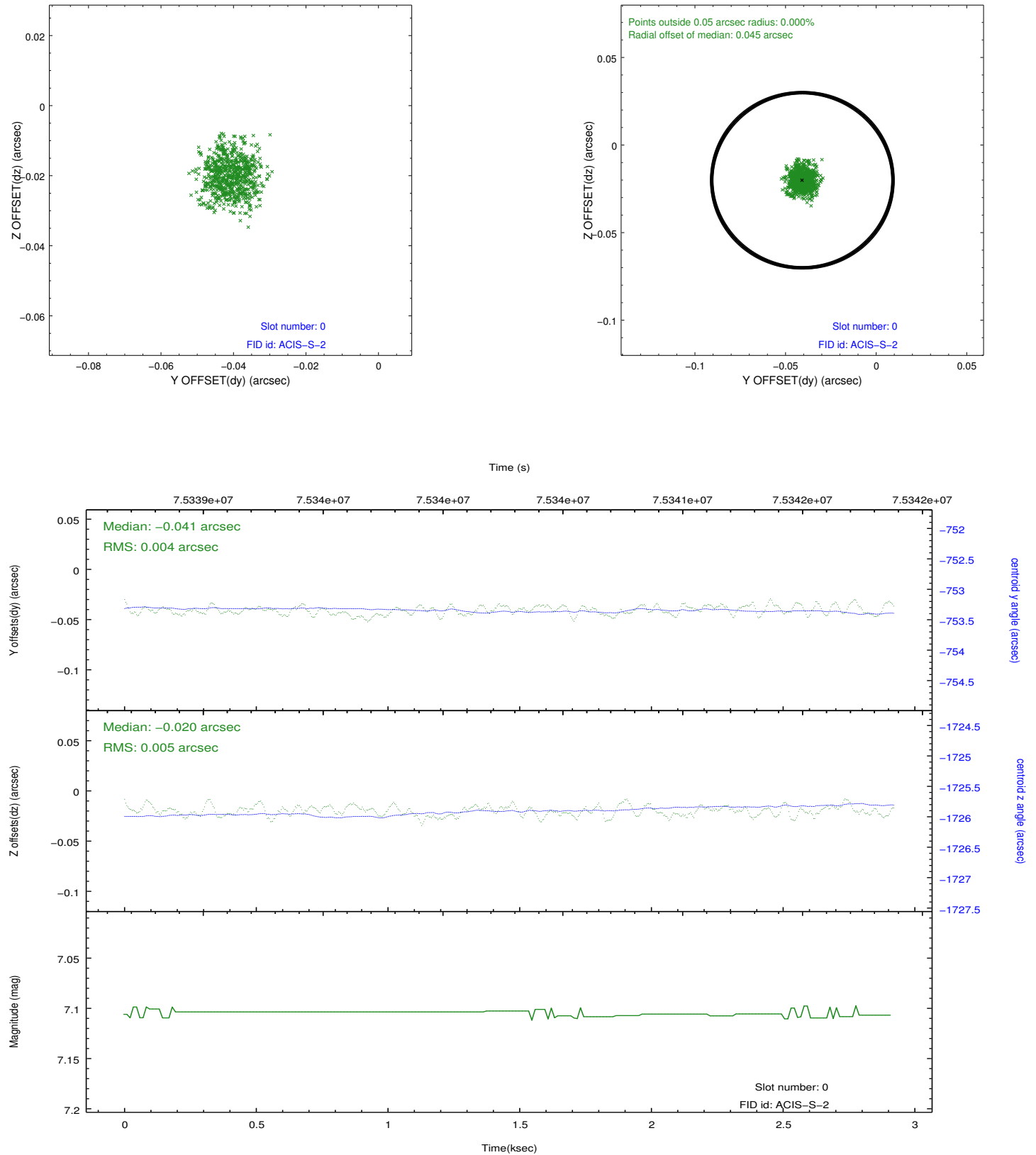


2.4.5 Slot 7

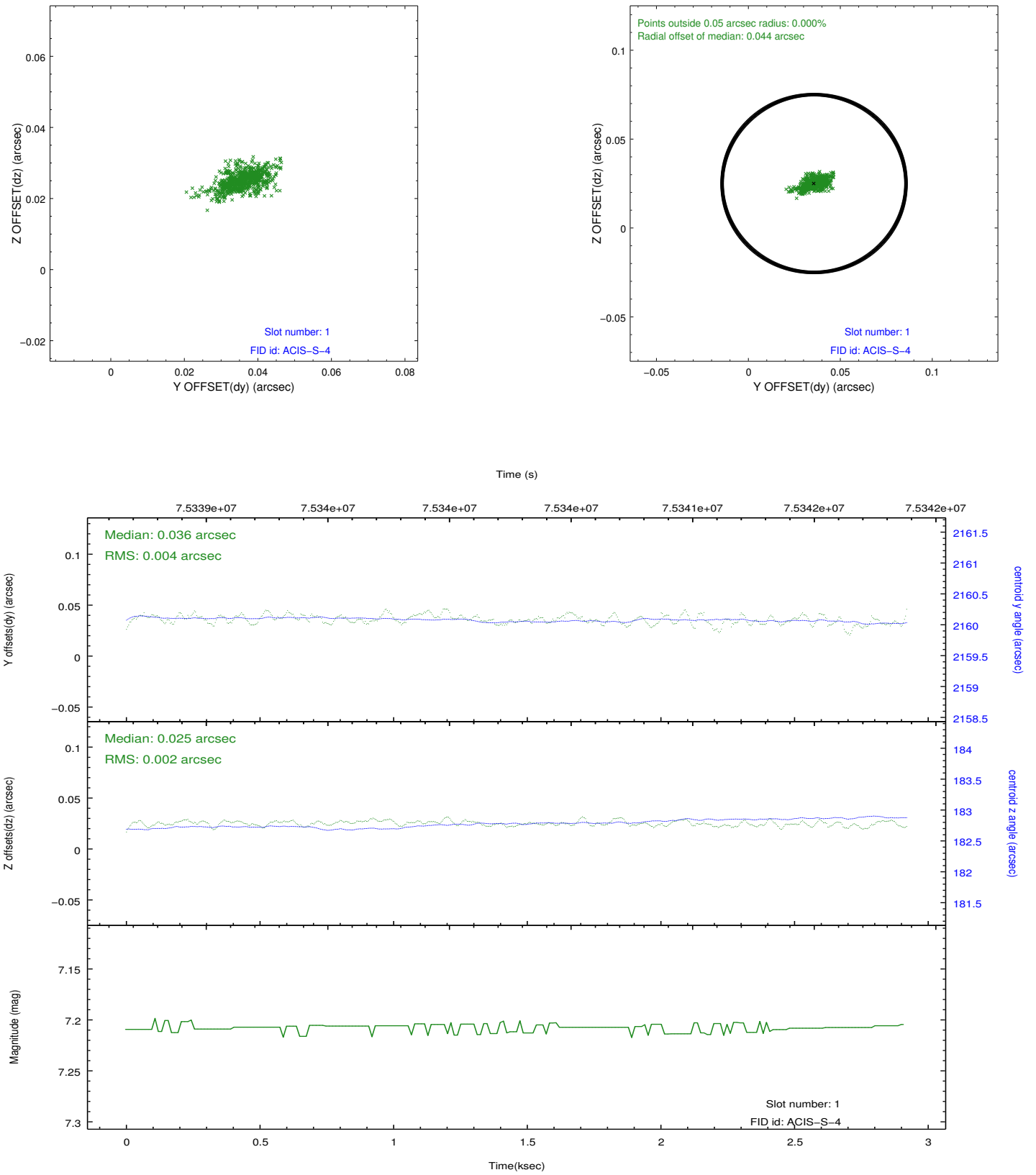


2.5 FID Slots

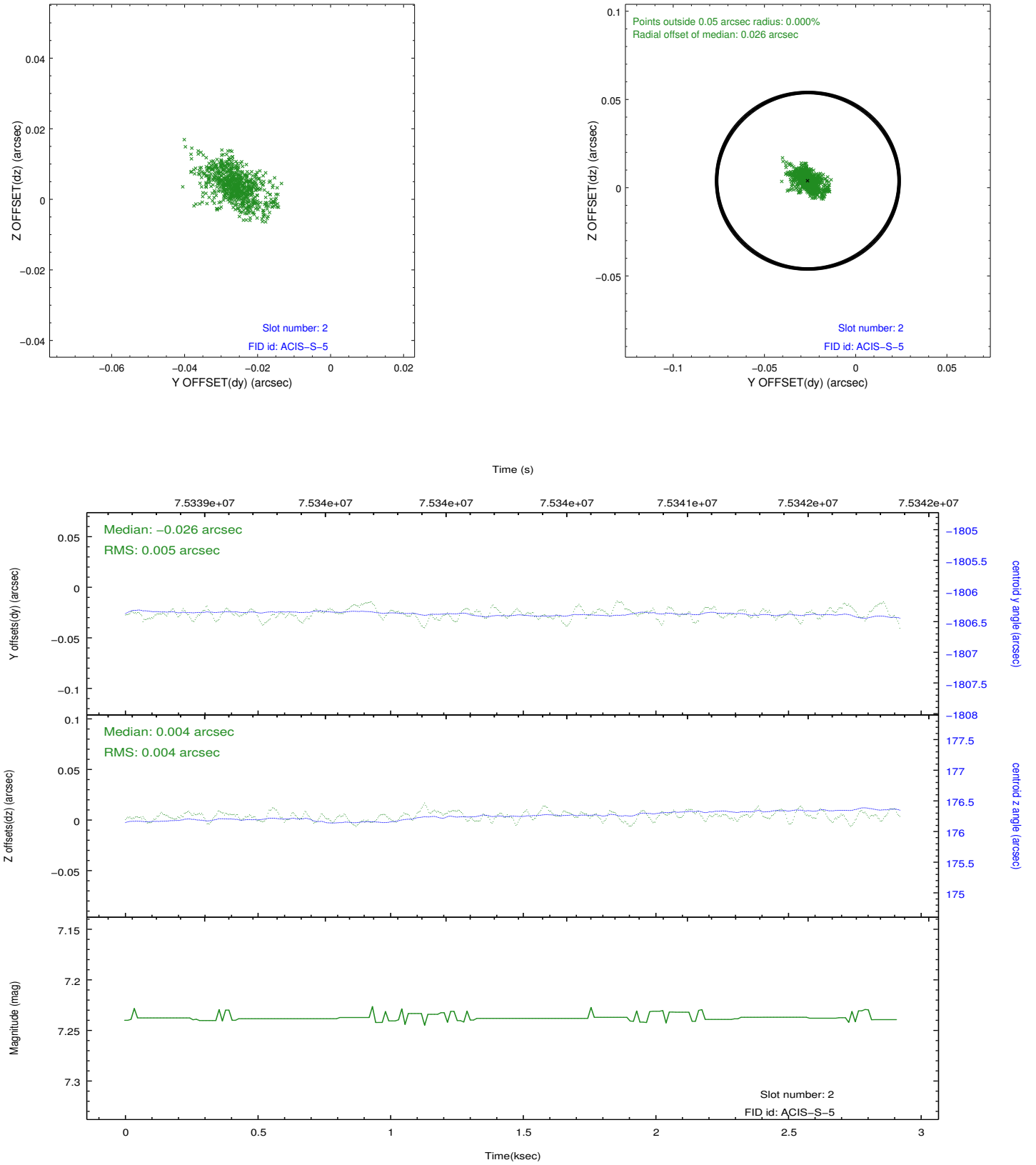
2.5.1 Slot 0



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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.916

A.2 Comments