

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8243 - L2 Version 3
Chandra X-Ray Center

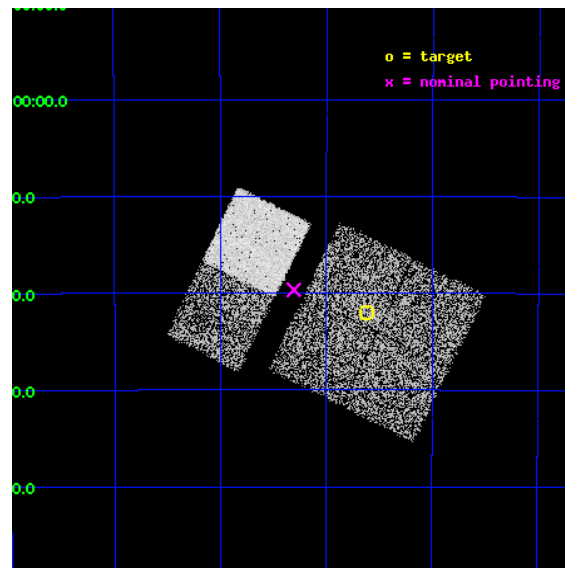
L2 Processing Date : Apr 18 2012

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1 Front

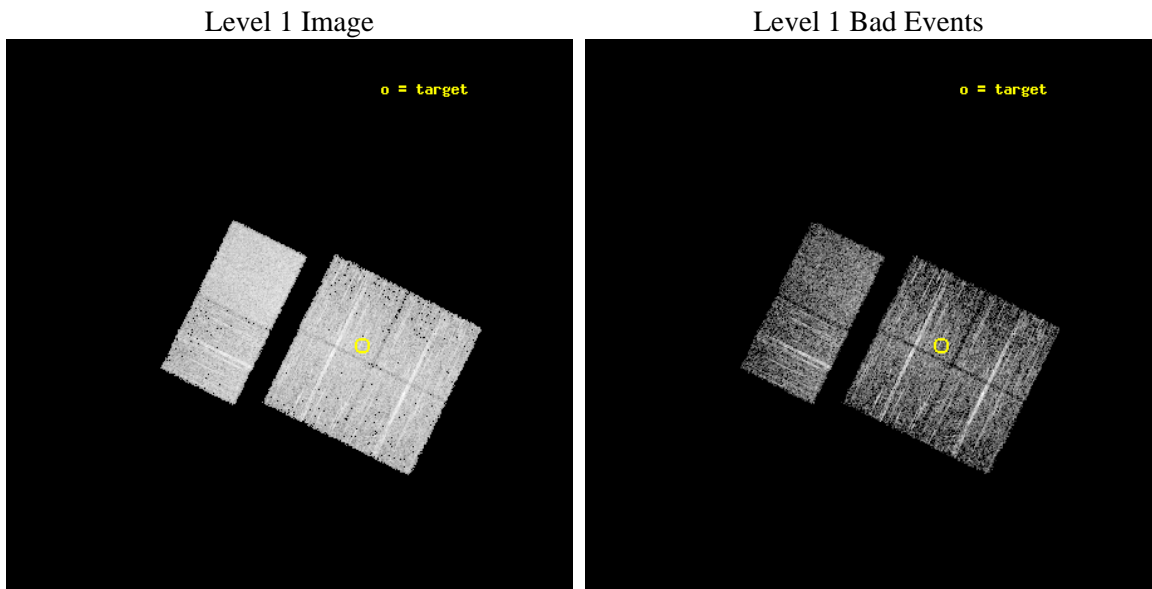
seq_num	701558	Sequence number
obs_id	8243	Observation id
title	Search for strongly obscured AGN: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IGR J02020+0204	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	41.654167	Observer's specified target RA [deg]
dec_targ	-42.367	Observer's specified target Dec [deg]
ra_nom	41.826744030399	Nominal RA [deg]
dec_nom	-42.327812877844	Nominal Dec [deg]
roll_nom	296.32008847985	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3256.6973246932	Sum of GTIs [s]
livetime	3215.4590622202	Livetime [s]
ontime0	3256.8204447031	Sum of GTIs [s]
ontime1	3256.6152446866	Sum of GTIs [s]
ontime2	3256.6562846899	Sum of GTIs [s]
ontime3	3256.6973246932	Sum of GTIs [s]
ontime6	3256.7383646965	Sum of GTIs [s]
ontime7	3256.7794046998	Sum of GTIs [s]
l2events	32680	Number of level 2 events



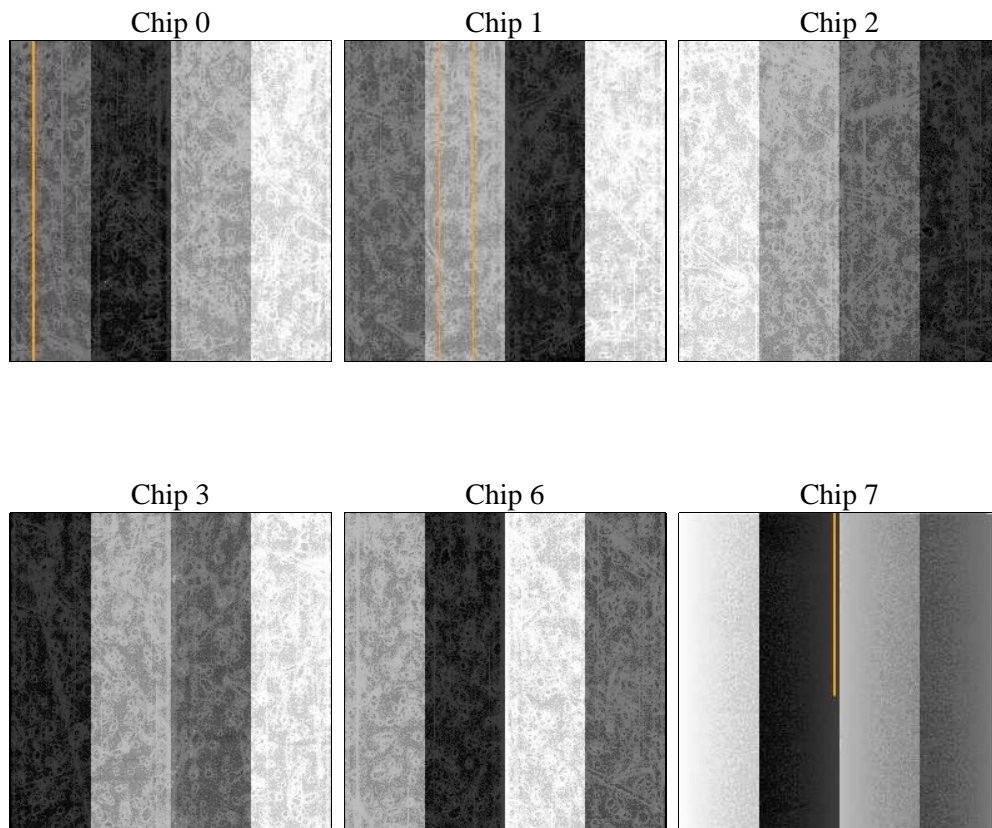
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3256.6973246932	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	3256.8204447031	Sum of GTIs [s]
date	2012-04-18T12:14:53	Date and time of file creation	ontime1	3256.6152446866	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3256.6562846899	Sum of GTIs [s]
			ontime3	3256.6973246932	Sum of GTIs [s]
			ontime6	3256.7383646965	Sum of GTIs [s]
			ontime7	3256.7794046998	Sum of GTIs [s]
			l1events	187491	Number of level 1 events

2.1.4 Events

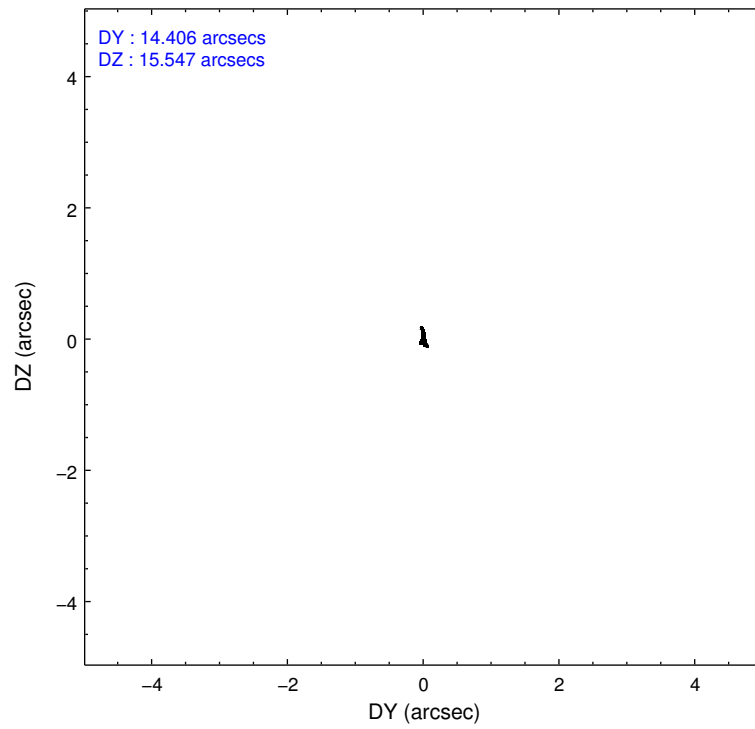
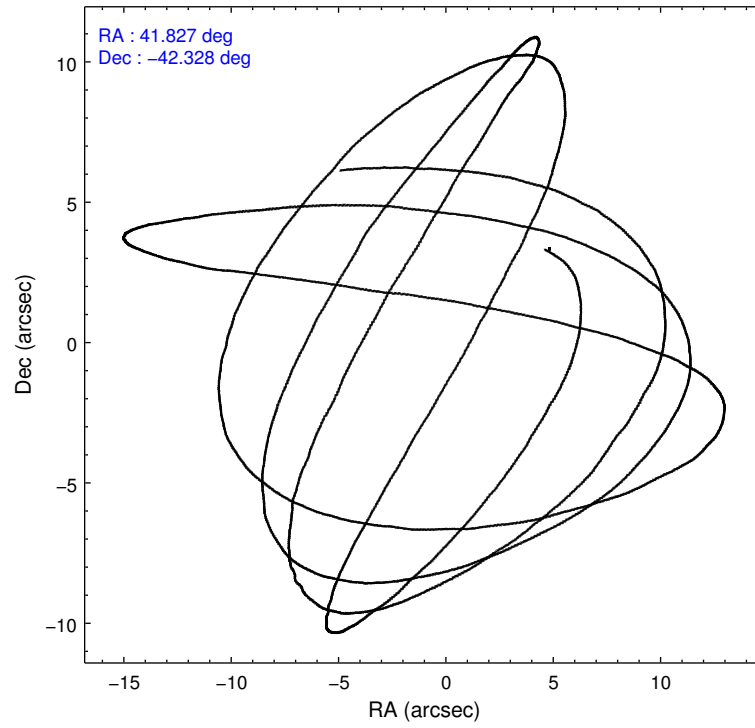
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	28403	28454	30466	29303	29609	41256	grade 0 events	1691	1544	1718	1741	1311	1572
rejected events	24636	24614	26798	25582	26115	24086		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	87%	87%	88%	58%	grade 1 events	21	15	21	25	17	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	805	857	711	703	762	3400
								2%	3%	2%	2%	2%	8%
							grade 3 events	330	338	349	328	359	1492
								1%	1%	1%	1%	1%	3%
							grade 4 events	322	352	311	345	332	1502
								1%	1%	1%	1%	1%	3%
							grade 5 events	1219	1264	1160	1386	1395	3888
								4%	4%	3%	4%	4%	9%
							grade 6 events	624	756	587	612	733	9225
								2%	2%	1%	2%	2%	22%
							grade 7 events	23391	23328	25609	24163	24700	20133
								82%	81%	84%	82%	83%	48%

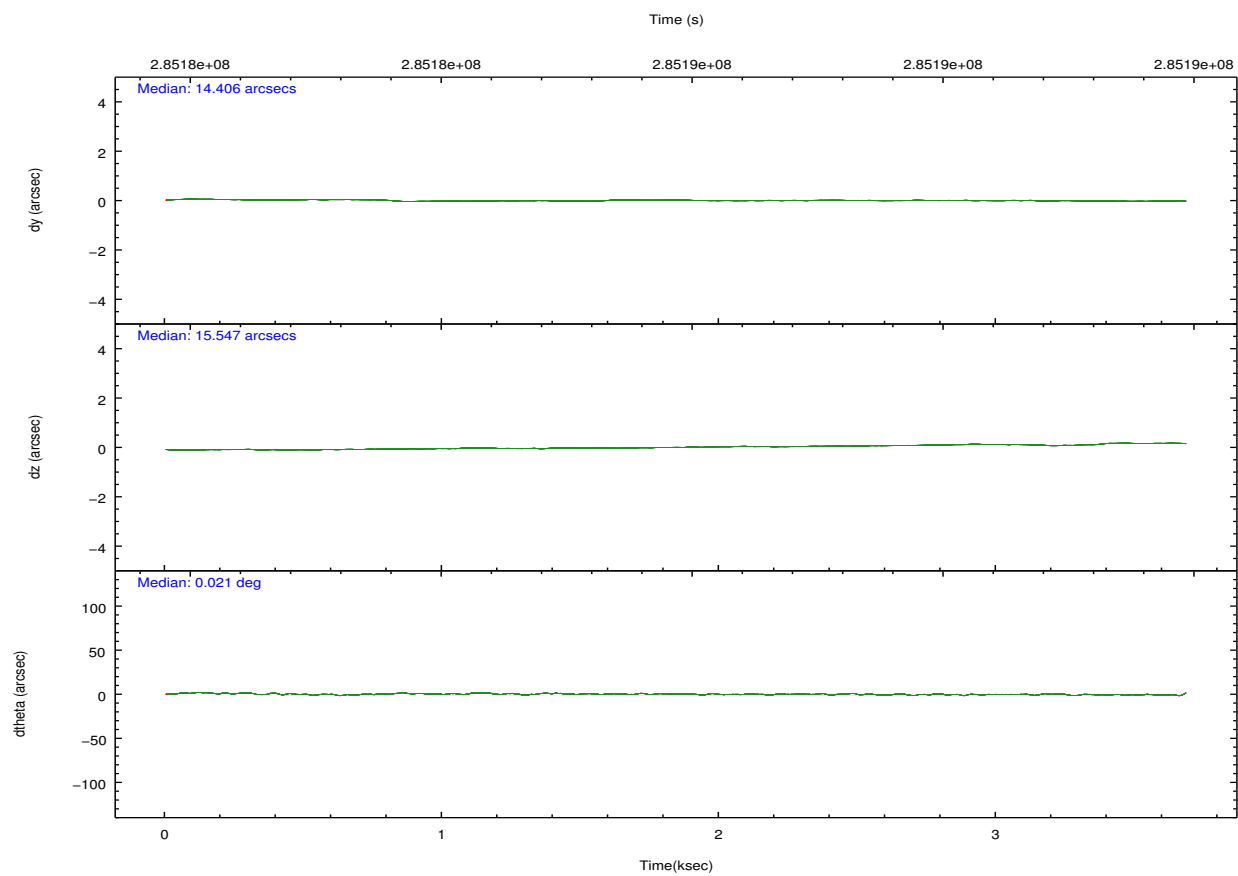
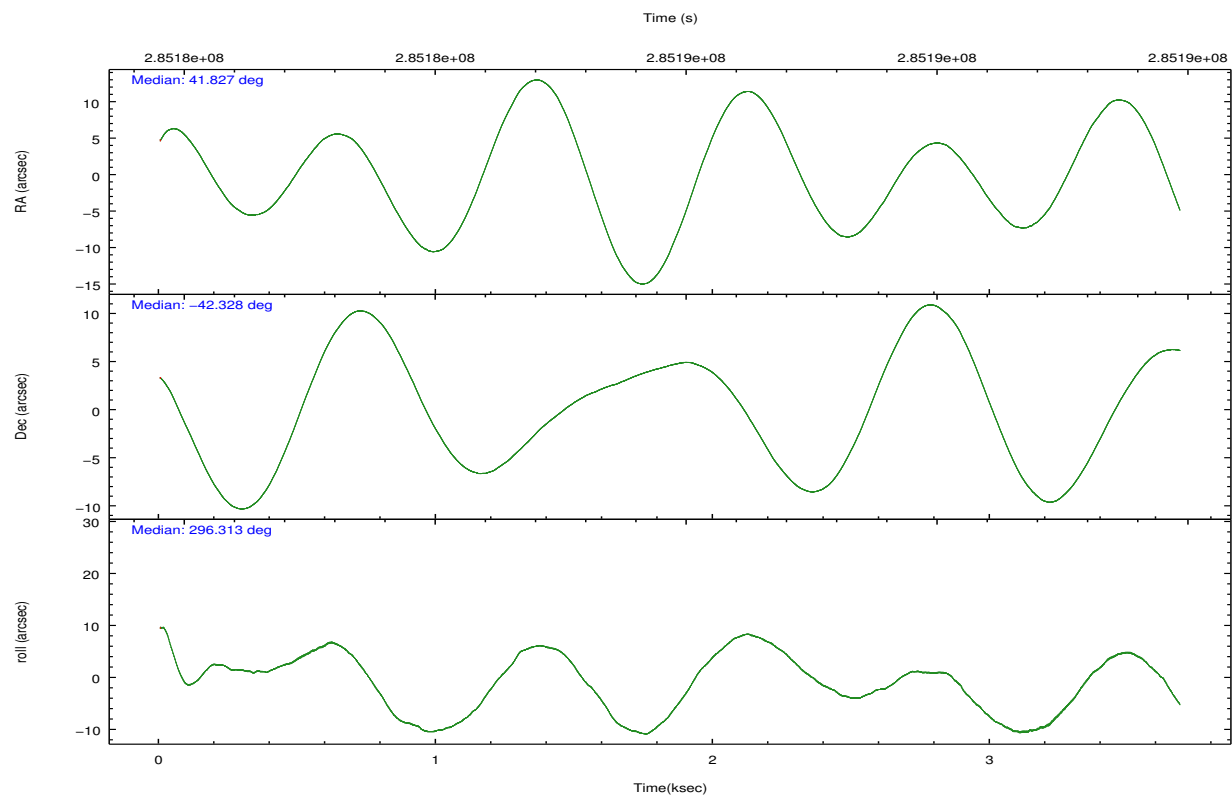
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	41.795534	41.826744030399
[deg] Pointing Dec	-42.312848	-42.3278128778438
[deg] Pointing Roll	296.142426	296.3200884798547
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.09952569084879603
[mm] SIM translation stage pos	-207.132523	-207.1368374884175
[mm] SIM translation stage offset	17	-26.4556155145122
[s] Observation start time (MET)	285184284.184000	285183298.9613
Observation start date	2007-01-14T17:50:19	2007-01-14T17:34:58
[s] Observation end time (MET)	285187784.184000	285188843.69906
Observation end date	2007-01-14T18:48:39	2007-01-14T19:07:23
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



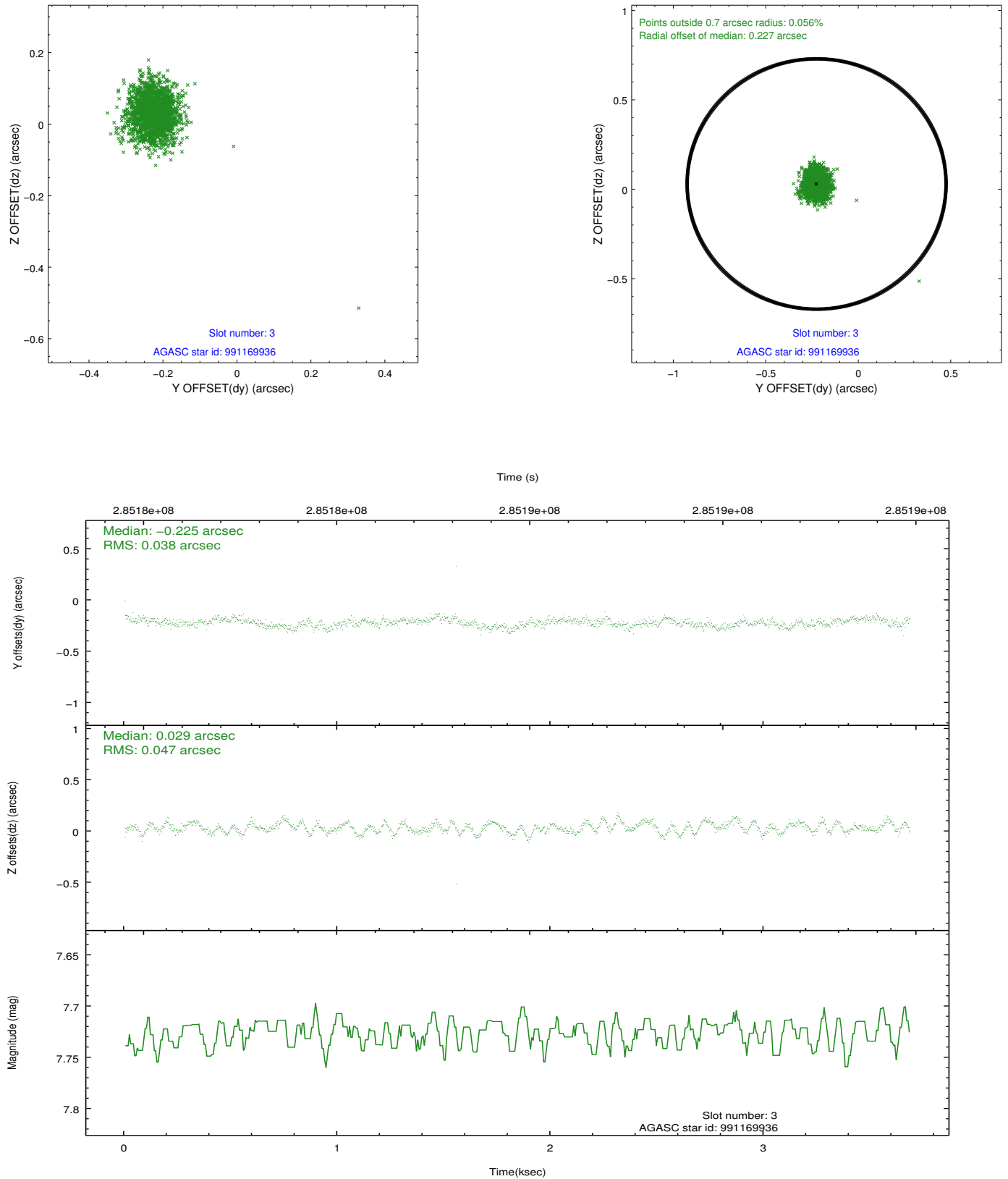


Slot Statistics

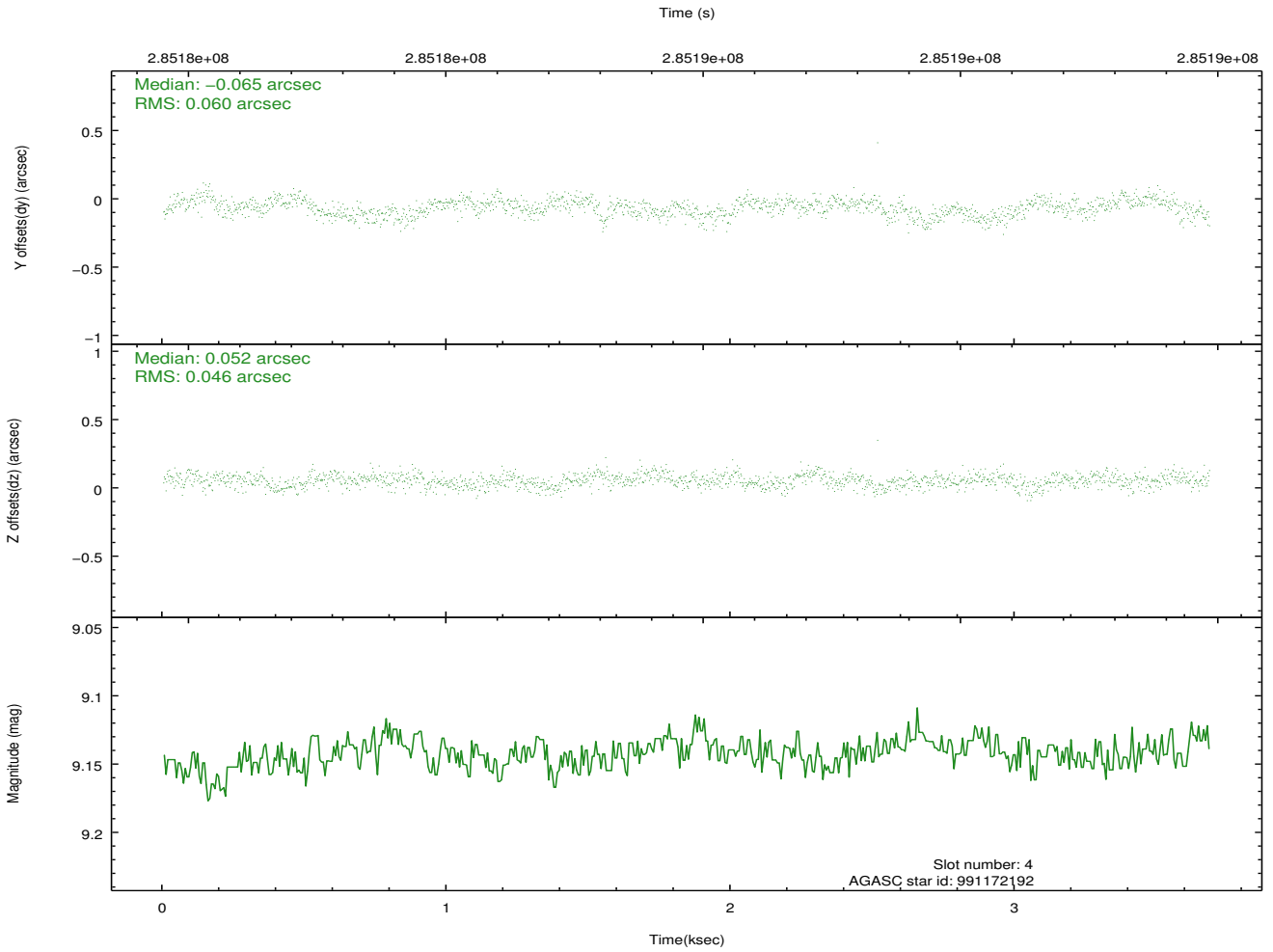
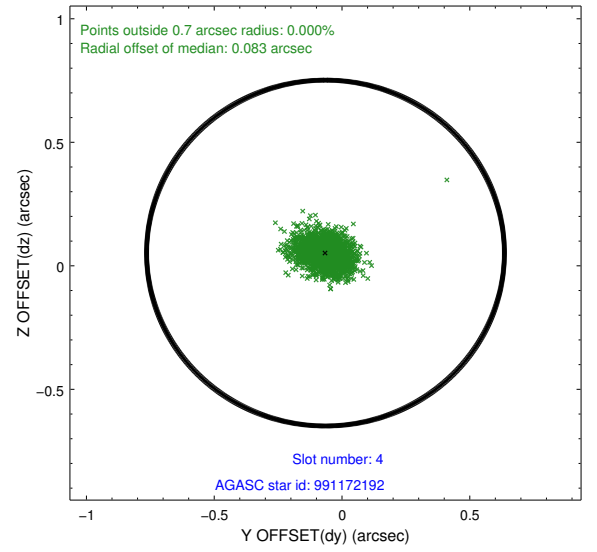
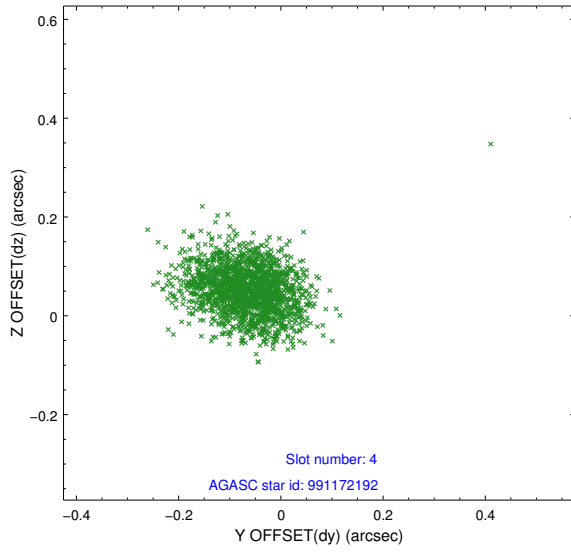
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	899	-0.239	-0.360	0.008	0.012	0.000000	0.000000	-768.73	-1386.68
1	FID	ACIS-I-4	7.24	899	0.005	0.210	0.005	0.009	0.000000	0.000000	2144.17	519.58
2	FID	ACIS-I-5	7.21	898	0.203	0.160	0.007	0.013	0.000000	0.000000	-1819.55	515.93
3	GUIDE	991169936	7.73	1797	-0.225	0.029	0.062	0.101	41.248331	-41.872572	-2065.25	-620.25
4	GUIDE	991172192	9.14	1797	-0.065	0.052	0.079	0.130	41.697826	-41.689328	-2132.18	752.76
5	GUIDE	991173904	9.57	1796	0.036	0.184	0.123	0.199	42.459103	-42.005098	-207.88	2079.36
6	GUIDE	991175320	8.54	1797	-0.014	-0.183	0.072	0.112	41.244084	-42.432506	-254.71	-1506.20
7	GUIDE	991564392	10.30	1793	0.270	-0.086	0.181	0.309	41.491042	-43.157363	2378.45	-2058.60

2.4 Star Slots

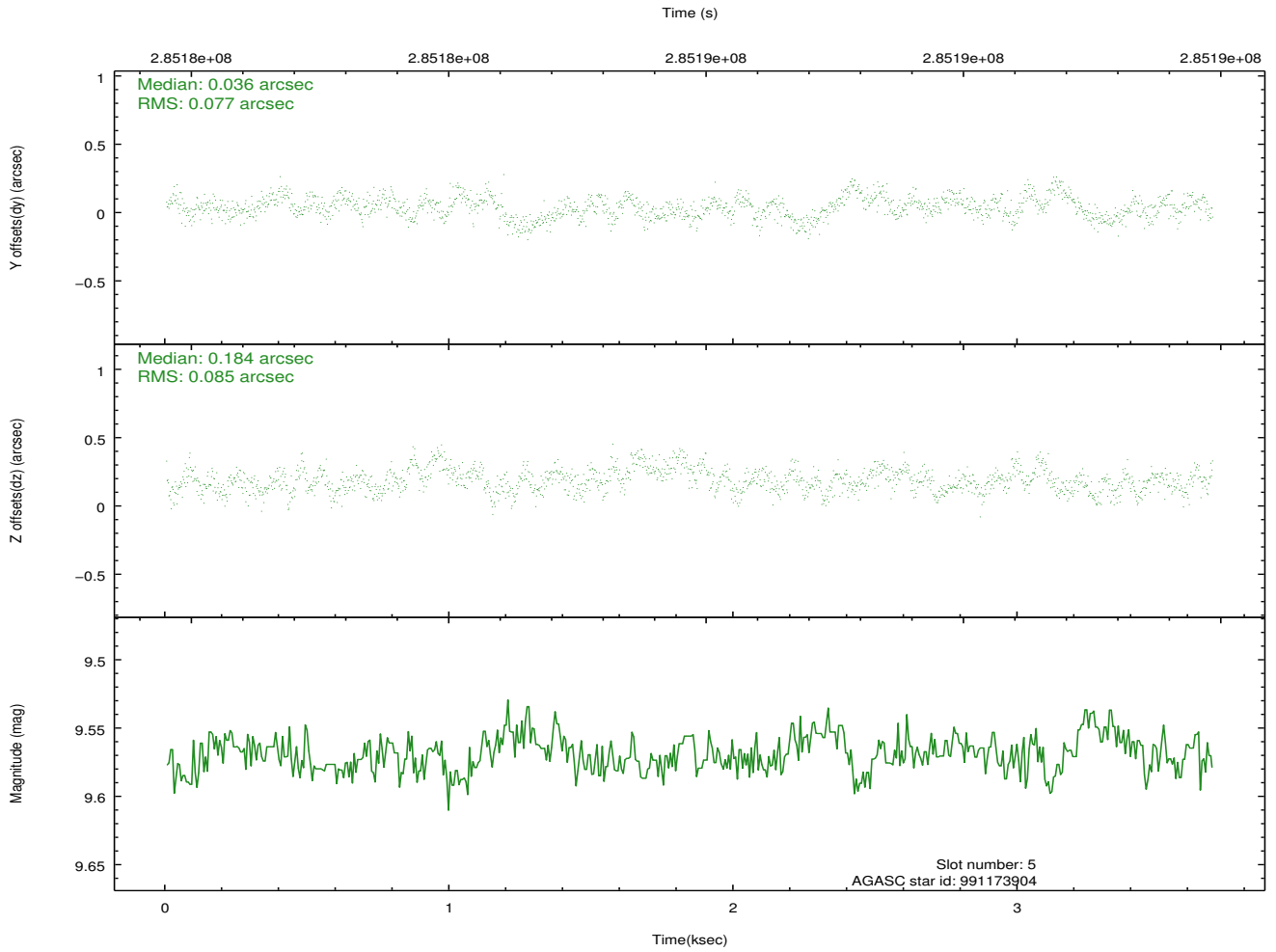
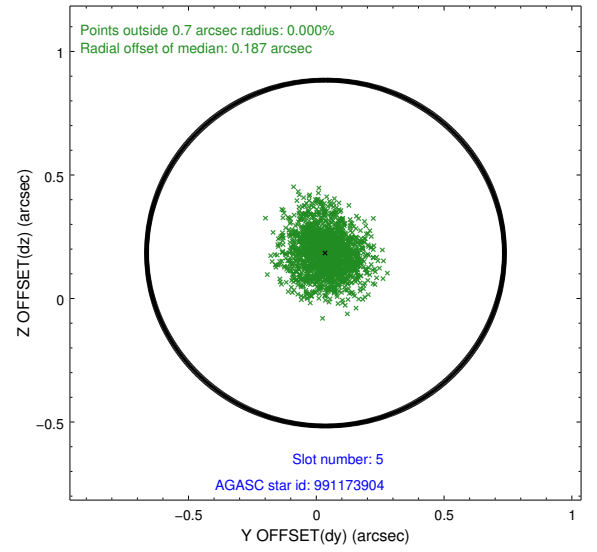
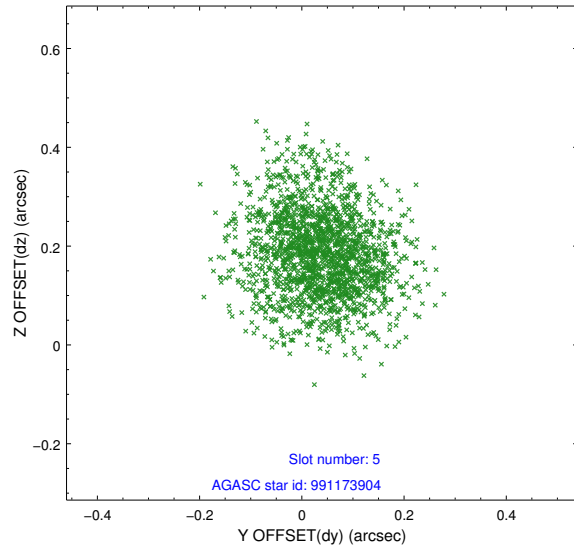
2.4.1 Slot 3



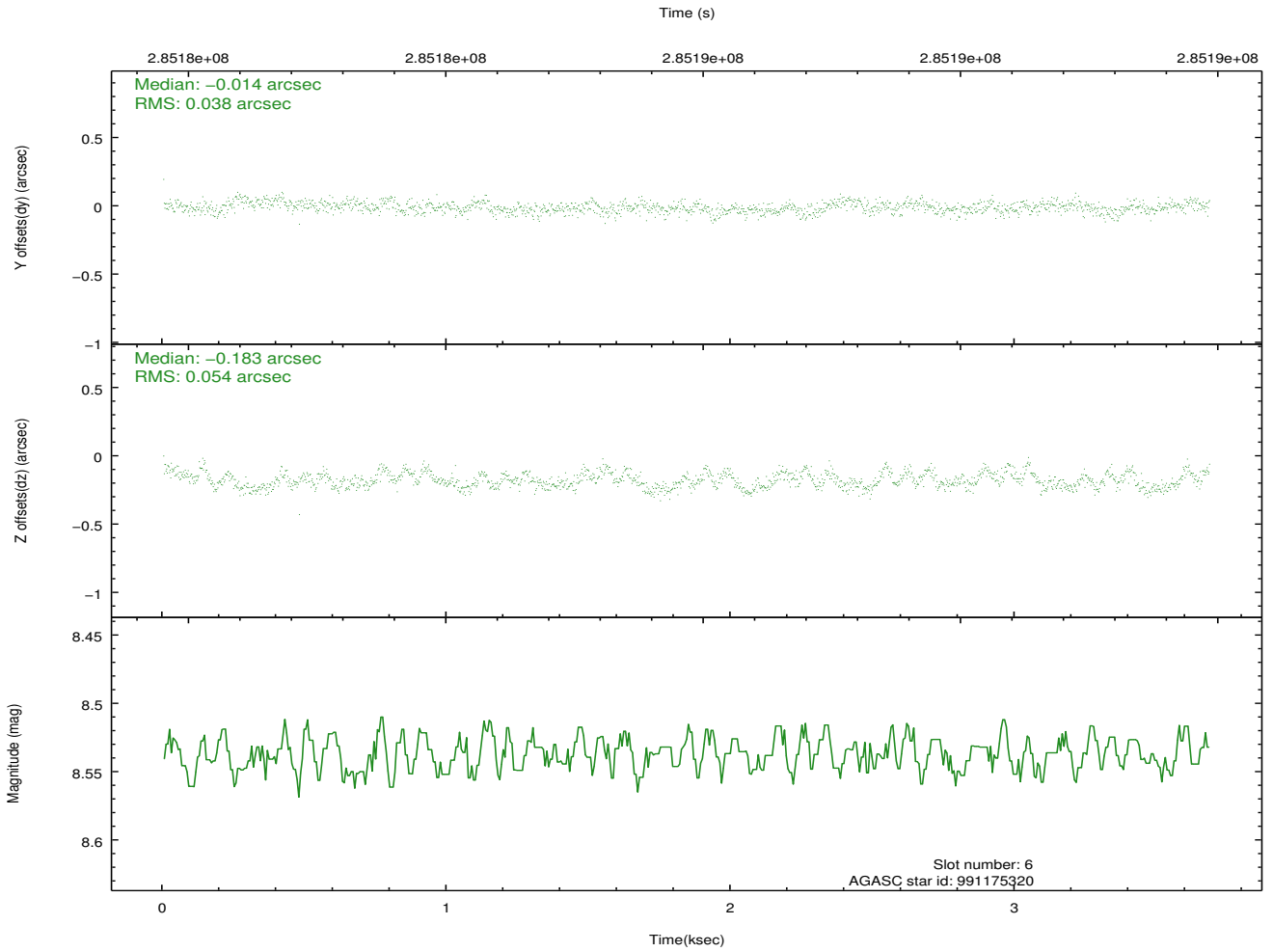
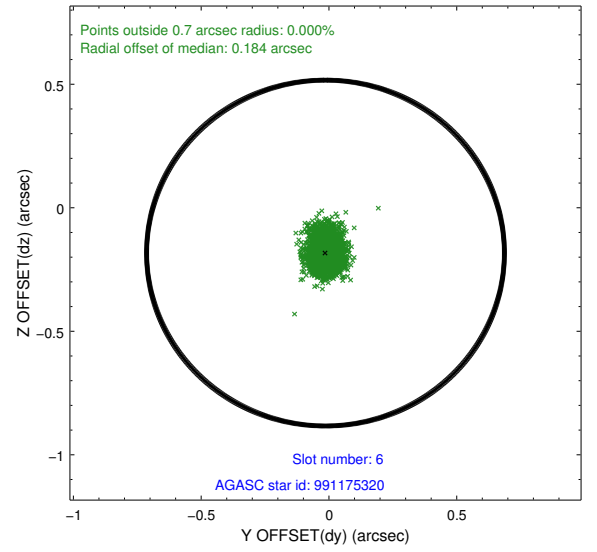
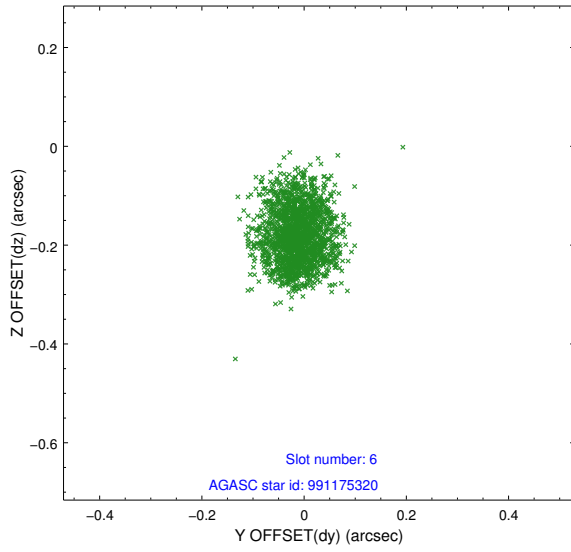
2.4.2 Slot 4



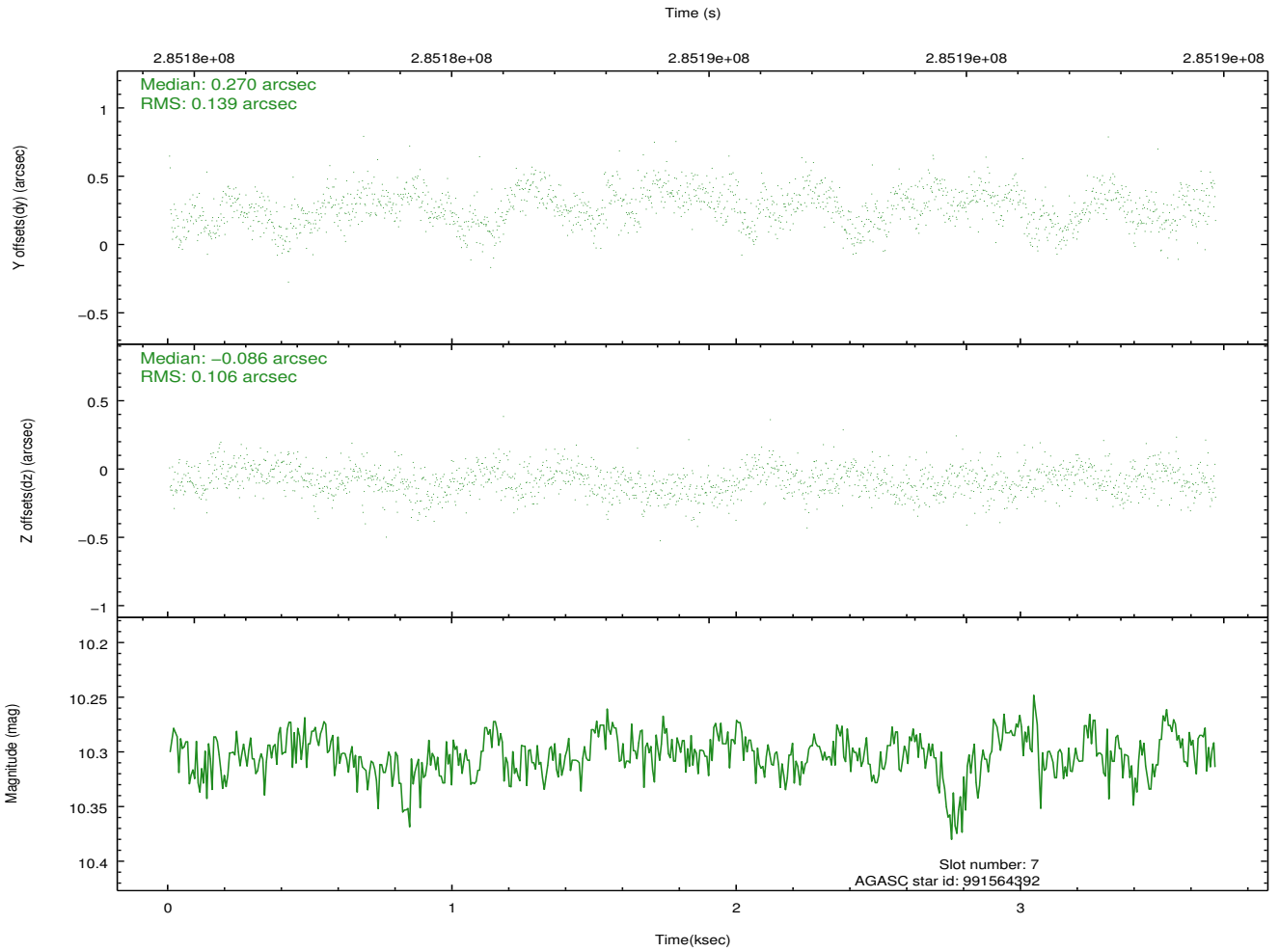
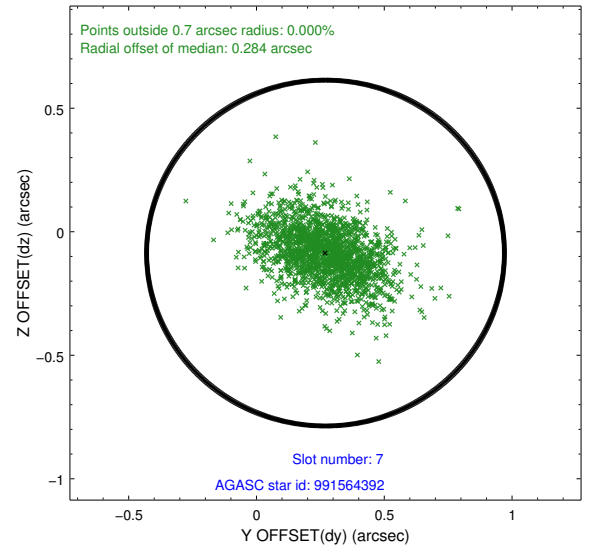
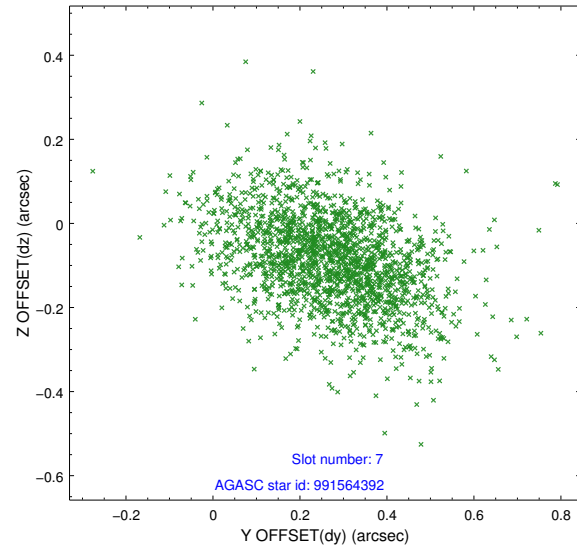
2.4.3 Slot 5



2.4.4 Slot 6

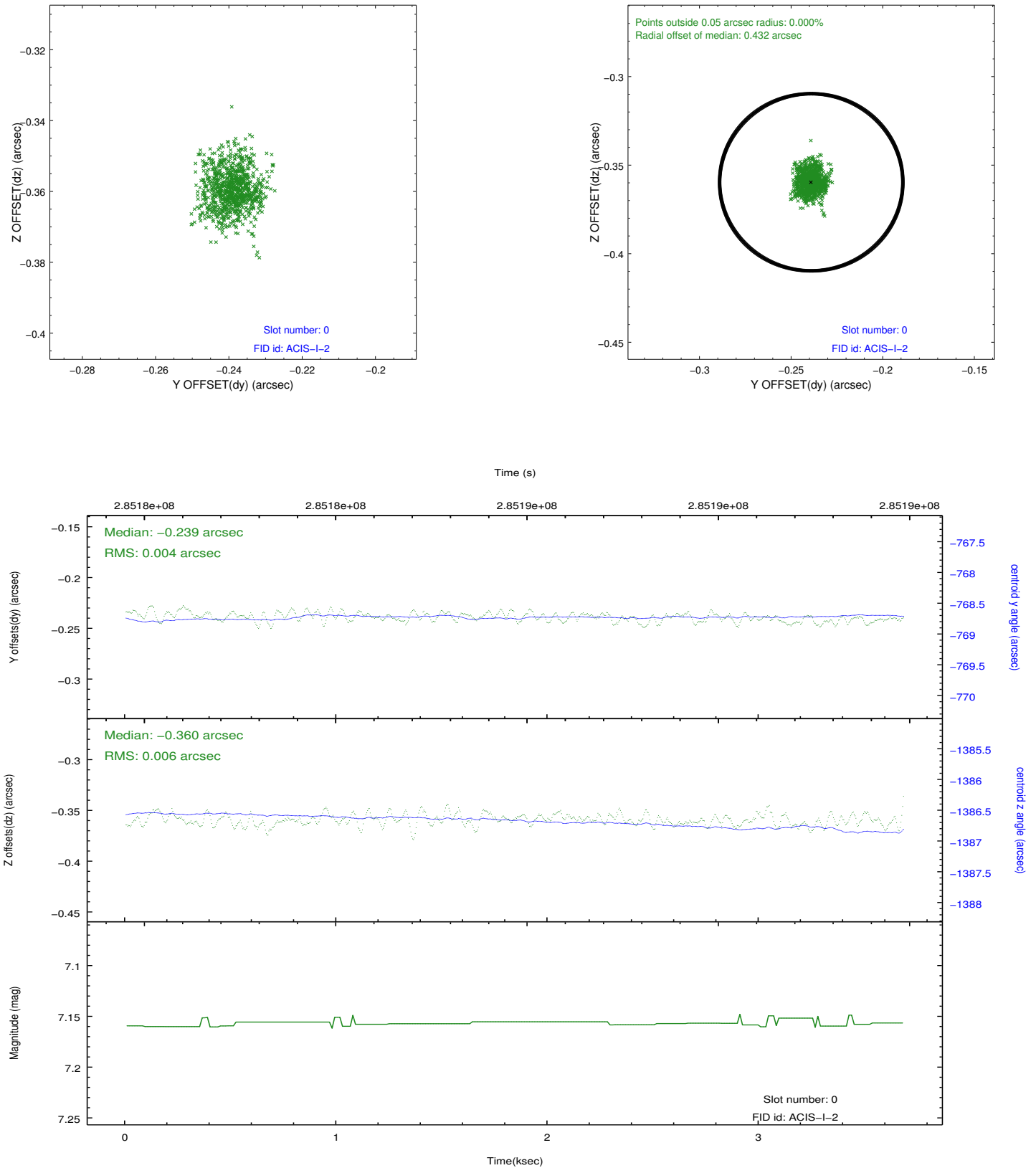


2.4.5 Slot 7

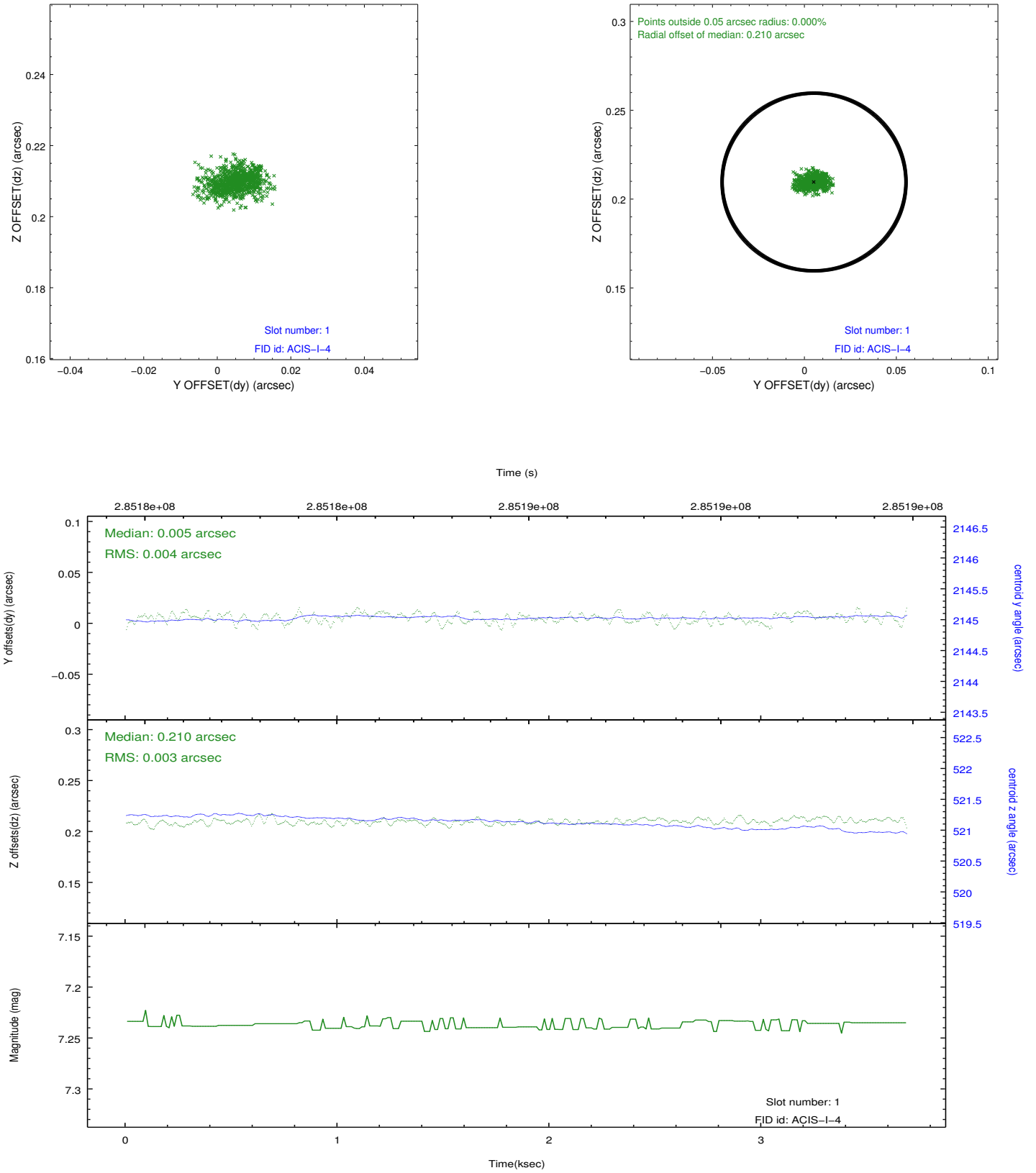


2.5 FID Slots

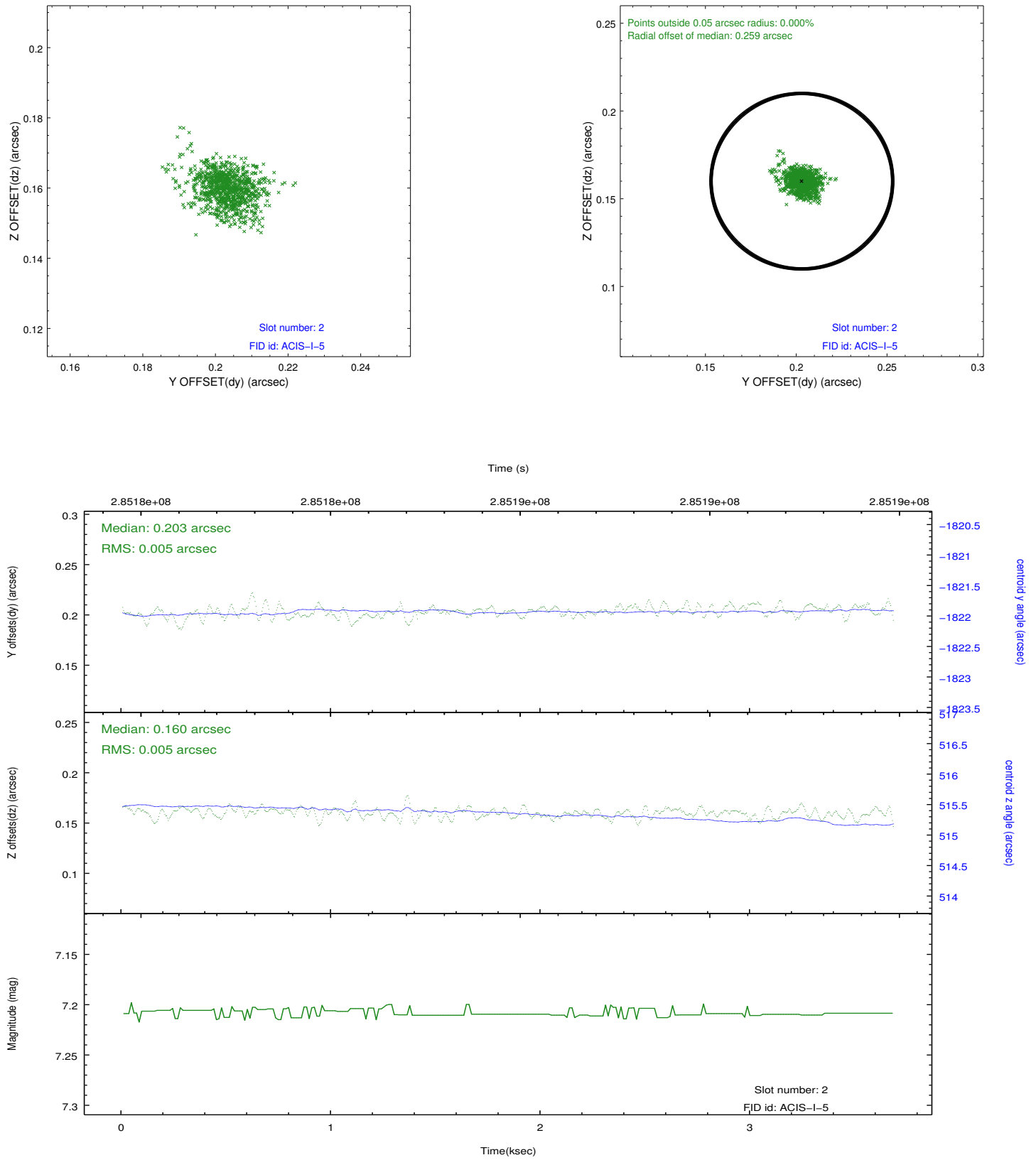
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.25759998

A.2 Comments

Source position deliberately placed between CCD chips.