

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10502 - L2 Version 2  
Chandra X-Ray Center

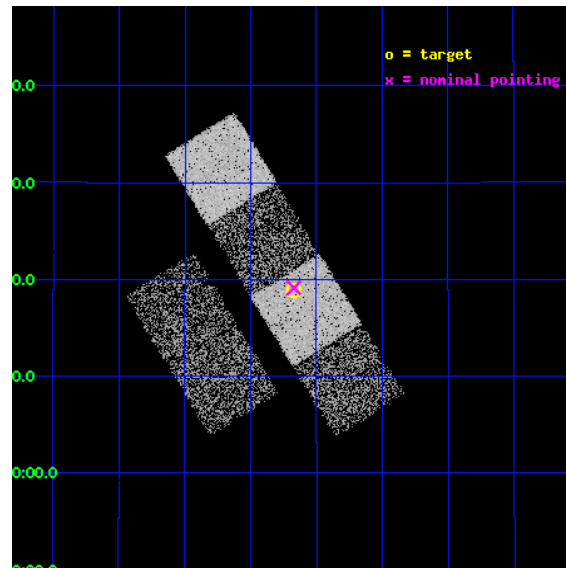
L2 Processing Date : May 31 2012

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# 1 Front

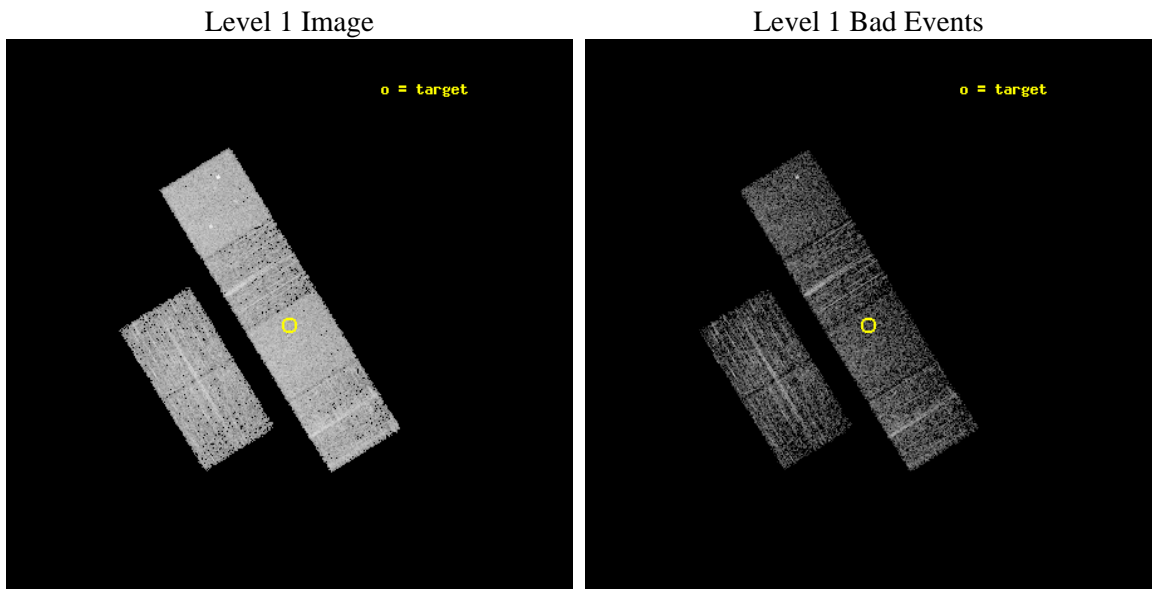
seq_num	900870	Sequence number
obs_id	10502	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J194310+2318	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	295.792917	Observer's specified target RA [deg]
dec_targ	23.314	Observer's specified target Dec [deg]
ra_nom	295.79284310338	Nominal RA [deg]
dec_nom	23.318898422412	Nominal Dec [deg]
roll_nom	58.497771519274	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2079.999992311	Sum of GTIs [s]
livetime	2053.6617799827	Livetime [s]
ontime2	2079.999992311	Sum of GTIs [s]
ontime3	2079.999992311	Sum of GTIs [s]
ontime5	2079.999992311	Sum of GTIs [s]
ontime6	2079.999992311	Sum of GTIs [s]
ontime7	2079.999992311	Sum of GTIs [s]
ontime8	2079.999992311	Sum of GTIs [s]
l2events	37273	Number of level 2 events



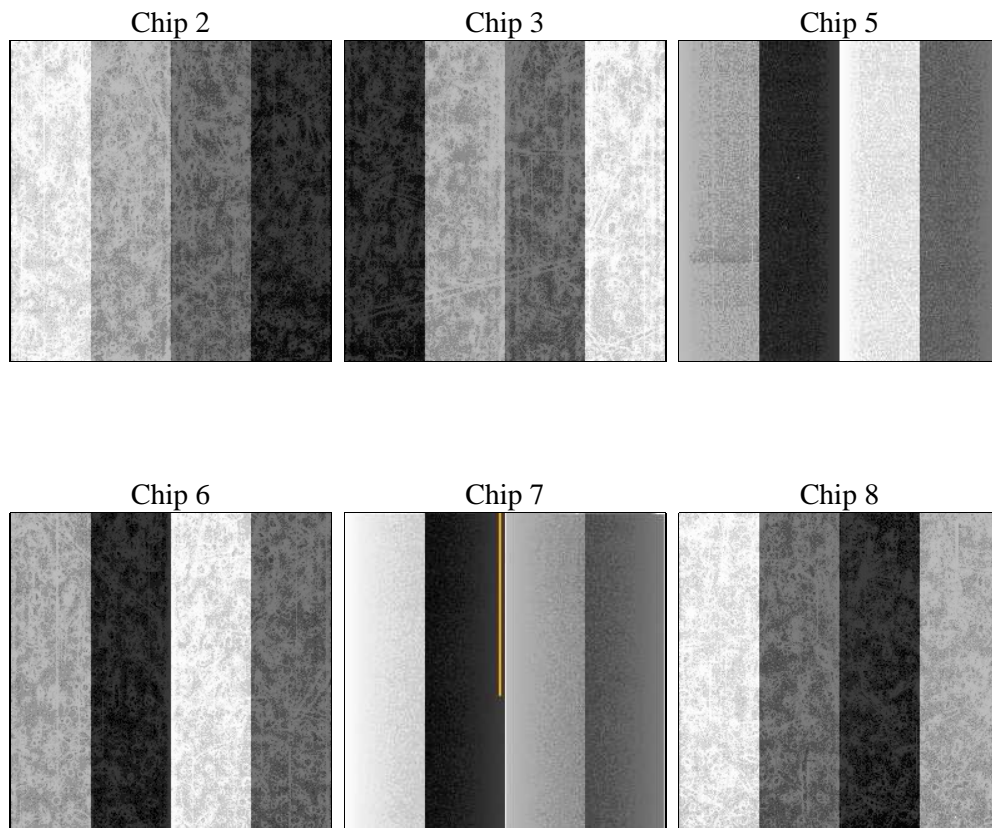
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2079.999992311	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	2079.999992311	Sum of GTIs [s]
date	2012-05-31T14:34:02	Date and time of file creation	ontime3	2079.999992311	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2079.999992311	Sum of GTIs [s]
			ontime6	2079.999992311	Sum of GTIs [s]
			ontime7	2079.999992311	Sum of GTIs [s]
			ontime8	2079.999992311	Sum of GTIs [s]
			l1events	164000	Number of level 1 events

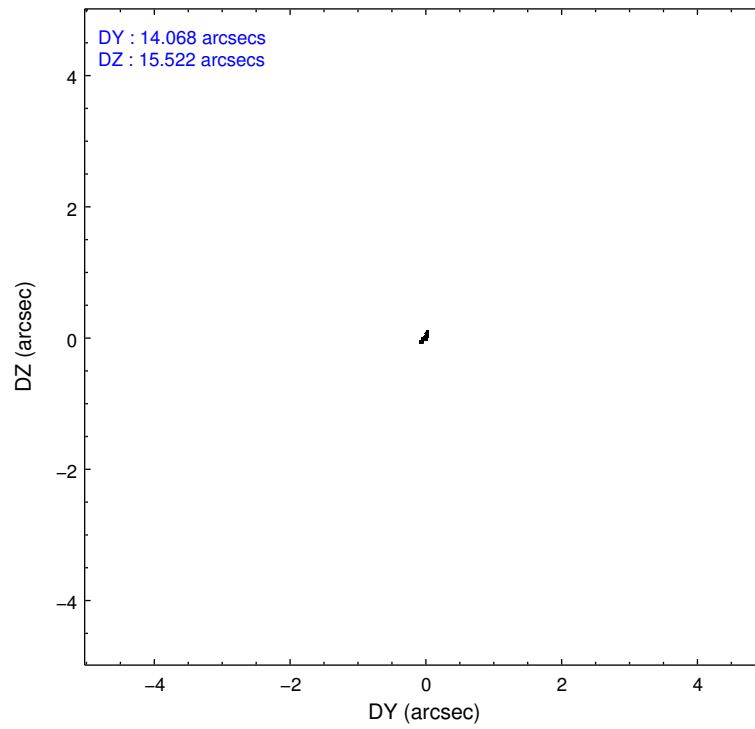
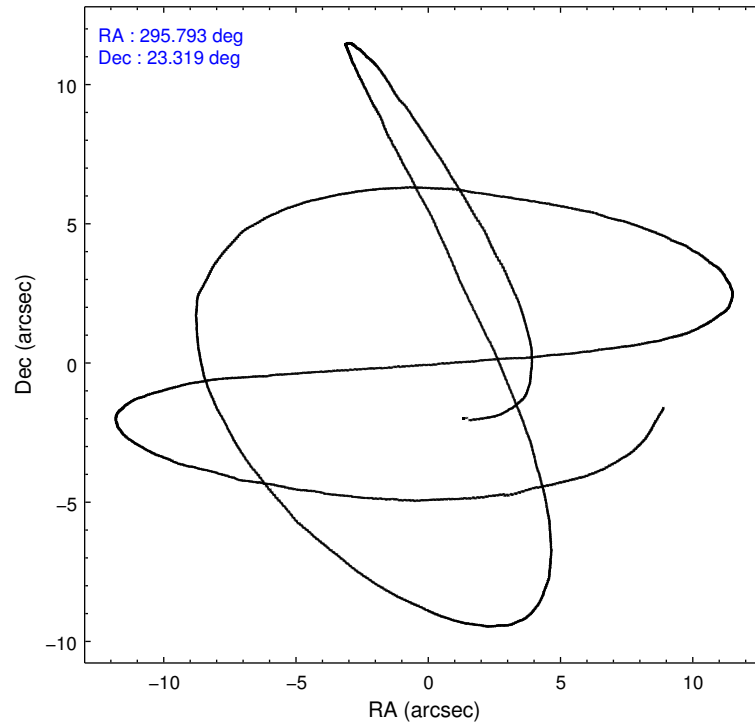
### 2.1.4 Events

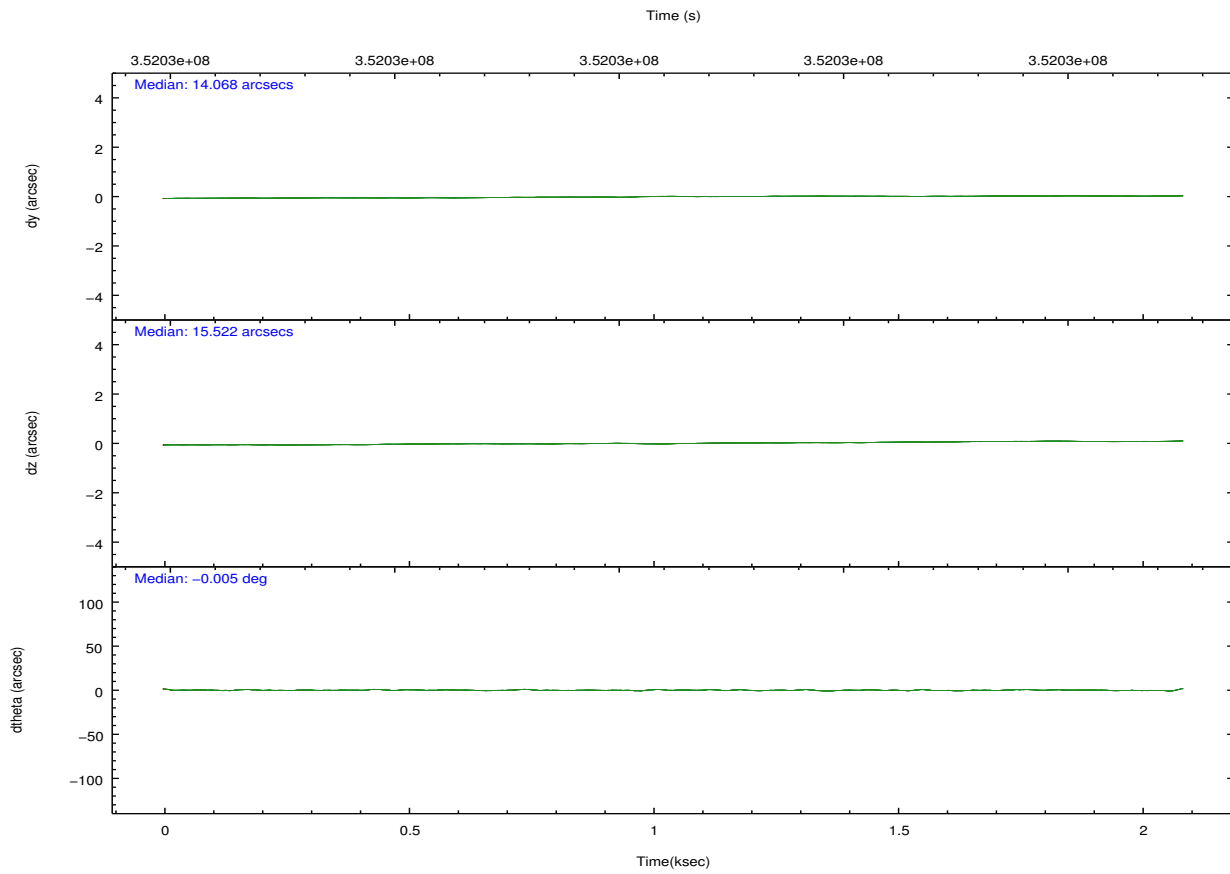
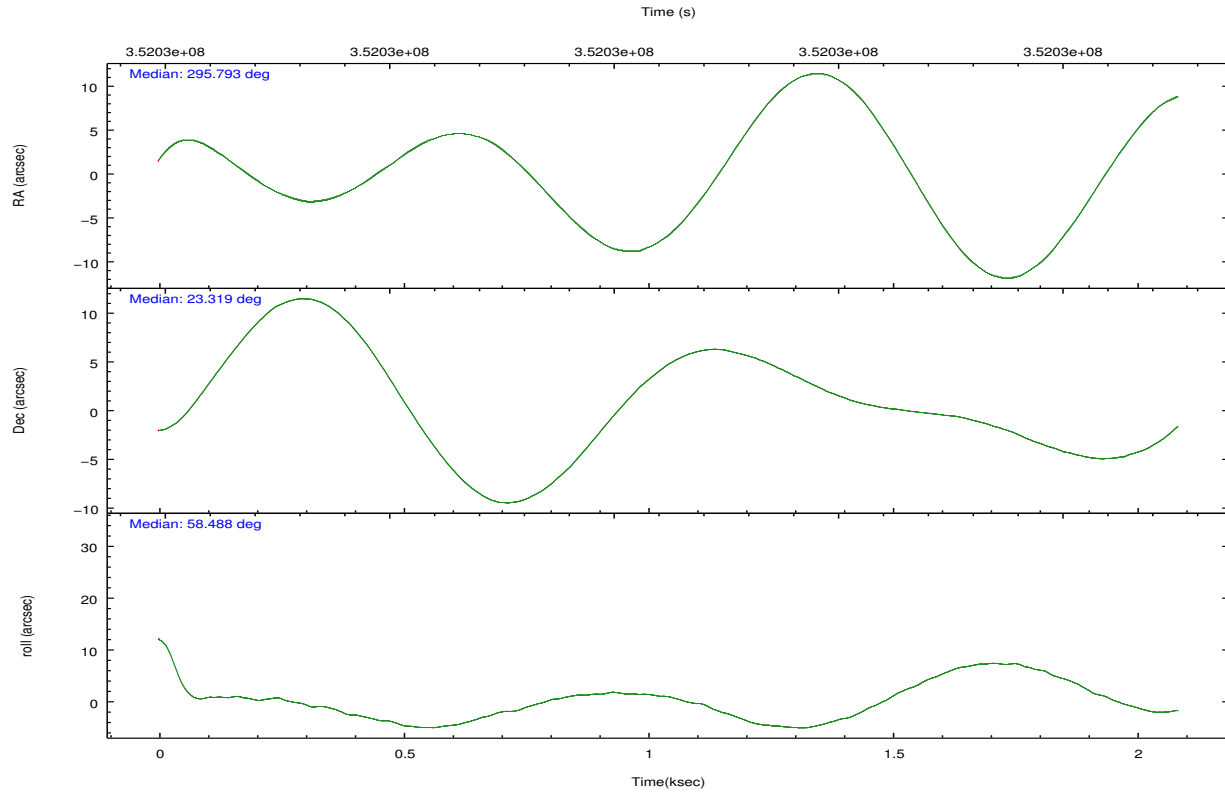
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23562	21469	35334	23157	32329	28149	grade 0 events	1214	1207	1352	1174	1296	2101
rejected events	20961	18805	19748	20381	19118	21843		5%	5%	3%	5%	4%	7%
rejected %	88%	87%	55%	88%	59%	77%	grade 1 events	17	18	54	12	42	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	550	571	5169	664	2909	1423
								2%	2%	14%	2%	8%	5%
							grade 3 events	242	247	551	245	1154	740
								1%	1%	1%	1%	3%	2%
							grade 4 events	232	244	539	261	1156	695
								0%	1%	1%	1%	3%	2%
							grade 5 events	998	1099	2437	1044	2920	1414
								4%	5%	6%	4%	9%	5%
							grade 6 events	475	510	8657	564	7266	1703
								2%	2%	24%	2%	22%	6%
							grade 7 events	19834	17573	16575	19193	15586	20050
								84%	81%	46%	82%	48%	71%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	295.792519	295.7928431033756	CCD I2 on	O2	Y
[deg] Pointing Dec	23.291507	23.3188984224125	CCD I3 on	O3	Y
[deg] Pointing Roll	58.341221	58.49777151927443	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	352030262.184000	352029142.83913	CCD S5 on	N	N
Observation start date	2009-02-26T10:09:56	2009-02-26T09:52:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	352032162.184000	352033115.73933	On-chip summing requested	N	N
Observation end date	2009-02-26T10:41:36	2009-02-26T10:58:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





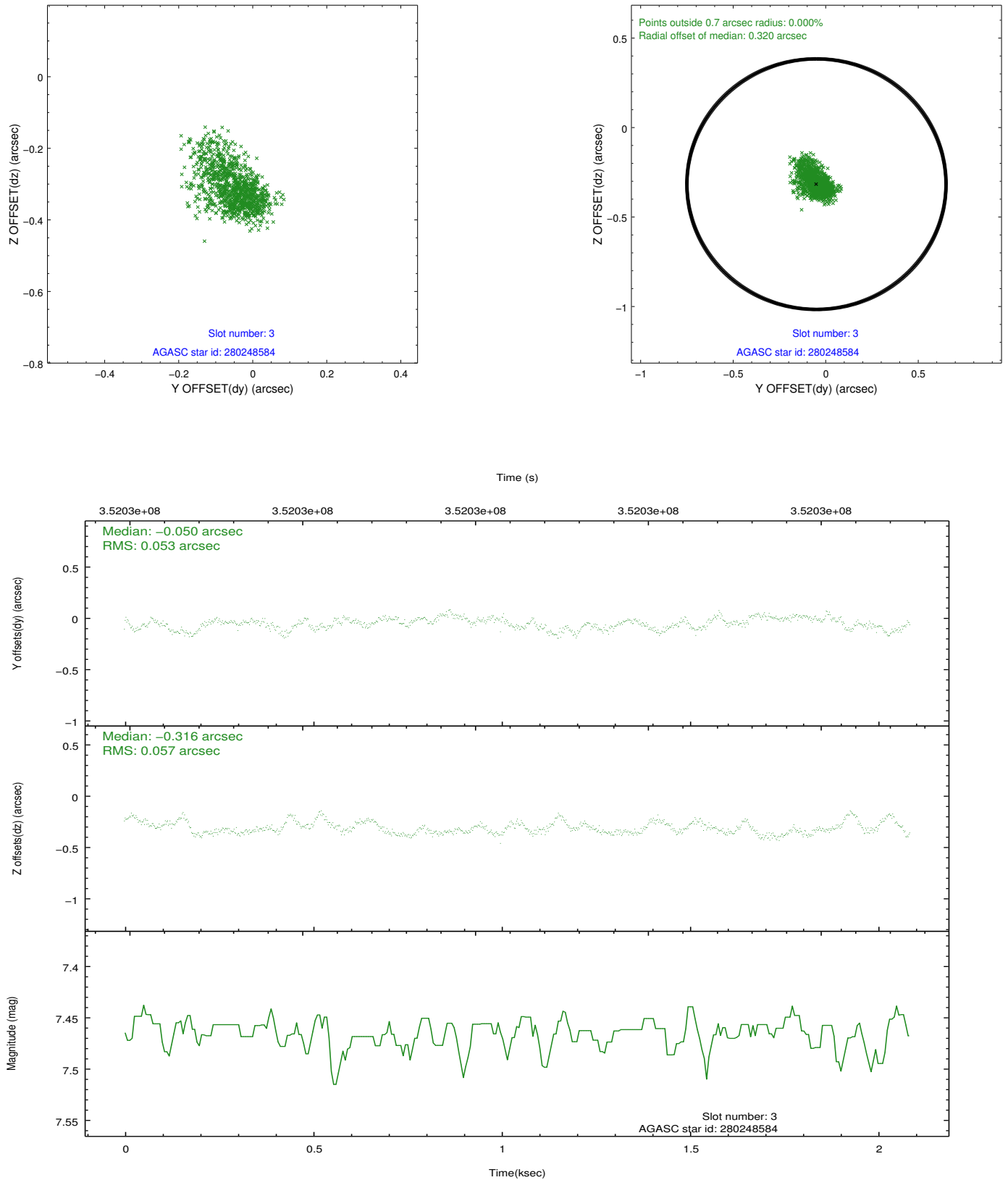
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	509	-0.055	0.002	0.006	0.010	0.000000	0.000000	-767.03	-1736.93
1	FID	ACIS-S-4	6.95	509	0.161	0.026	0.005	0.009	0.000000	0.000000	2145.00	168.36
2	FID	ACIS-S-5	6.97	509	-0.138	-0.020	0.006	0.011	0.000000	0.000000	-1815.96	165.50
3	GUIDE	280248584	7.47	1018	-0.050	-0.316	0.081	0.140	295.098999	23.480132	-619.20	2307.89
4	GUIDE	280364896	8.52	1017	-0.047	-0.130	0.083	0.132	295.980585	23.675986	1503.84	201.35
5	GUIDE	280375104	8.96	1017	0.110	0.134	0.090	0.156	295.872441	23.177953	-207.21	-439.41
6	GUIDE	280377144	9.23	1012	-0.046	0.131	0.087	0.132	295.998716	23.345278	522.68	-478.51
7	GUIDE	280381048	9.26	1015	0.032	0.173	0.104	0.160	295.706342	22.952874	-1186.68	-397.13

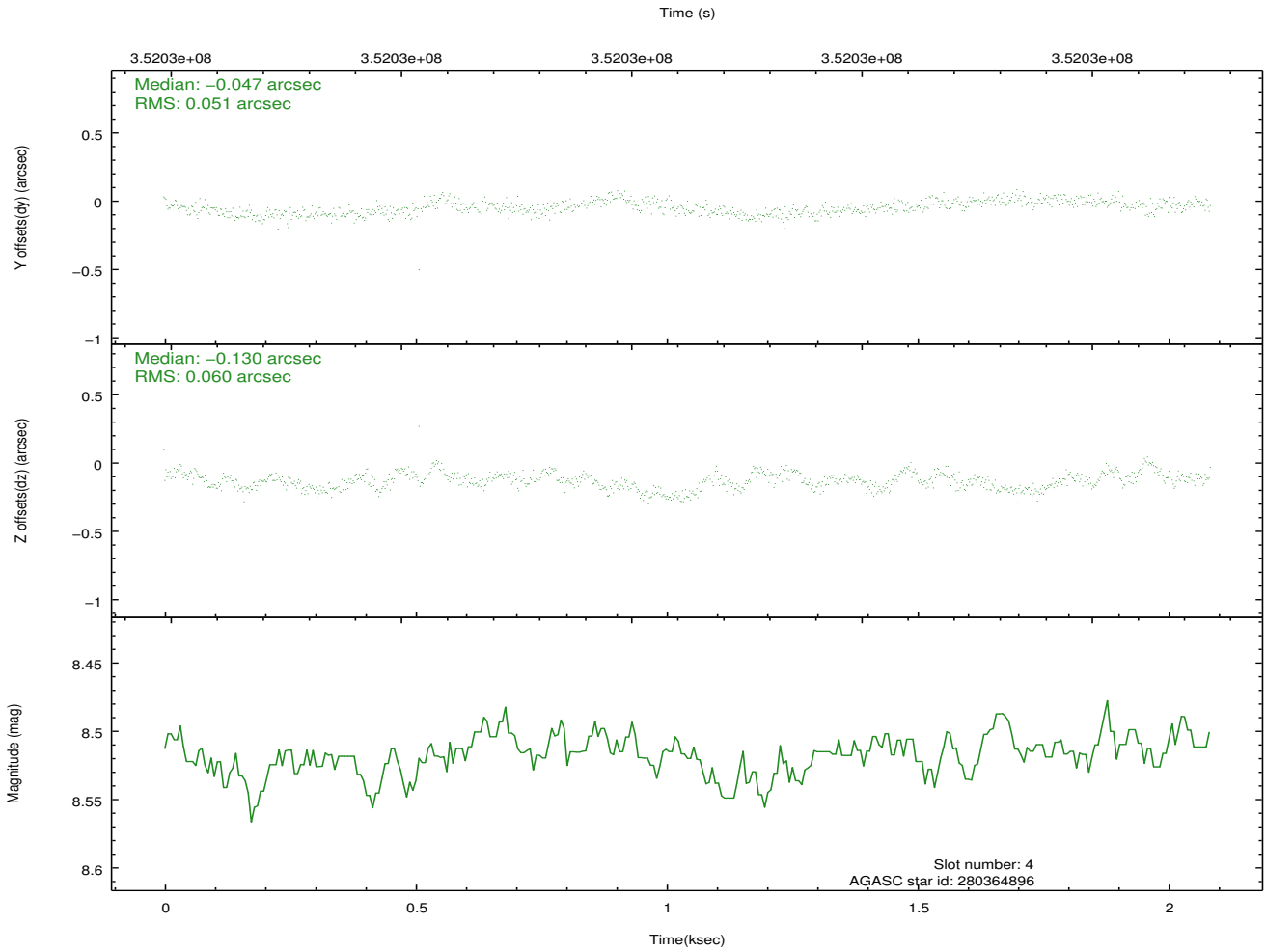
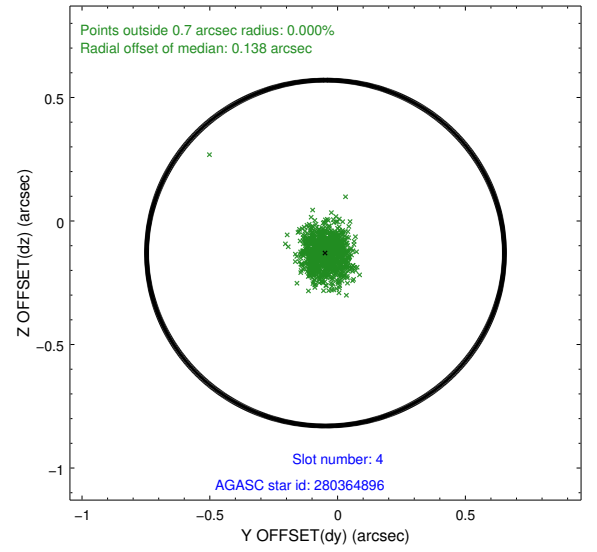
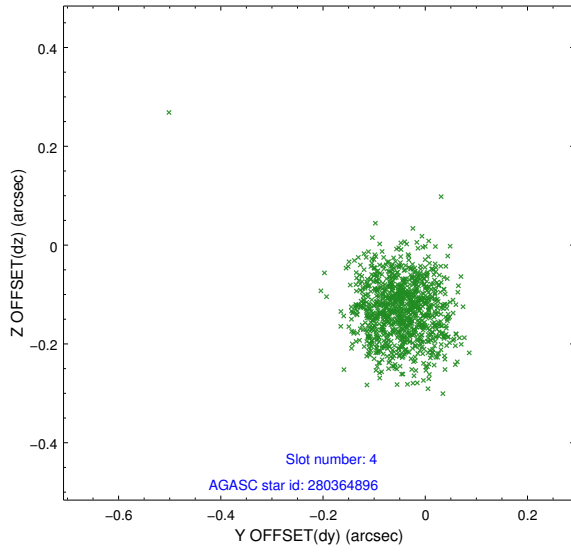


## 2.4 Star Slots

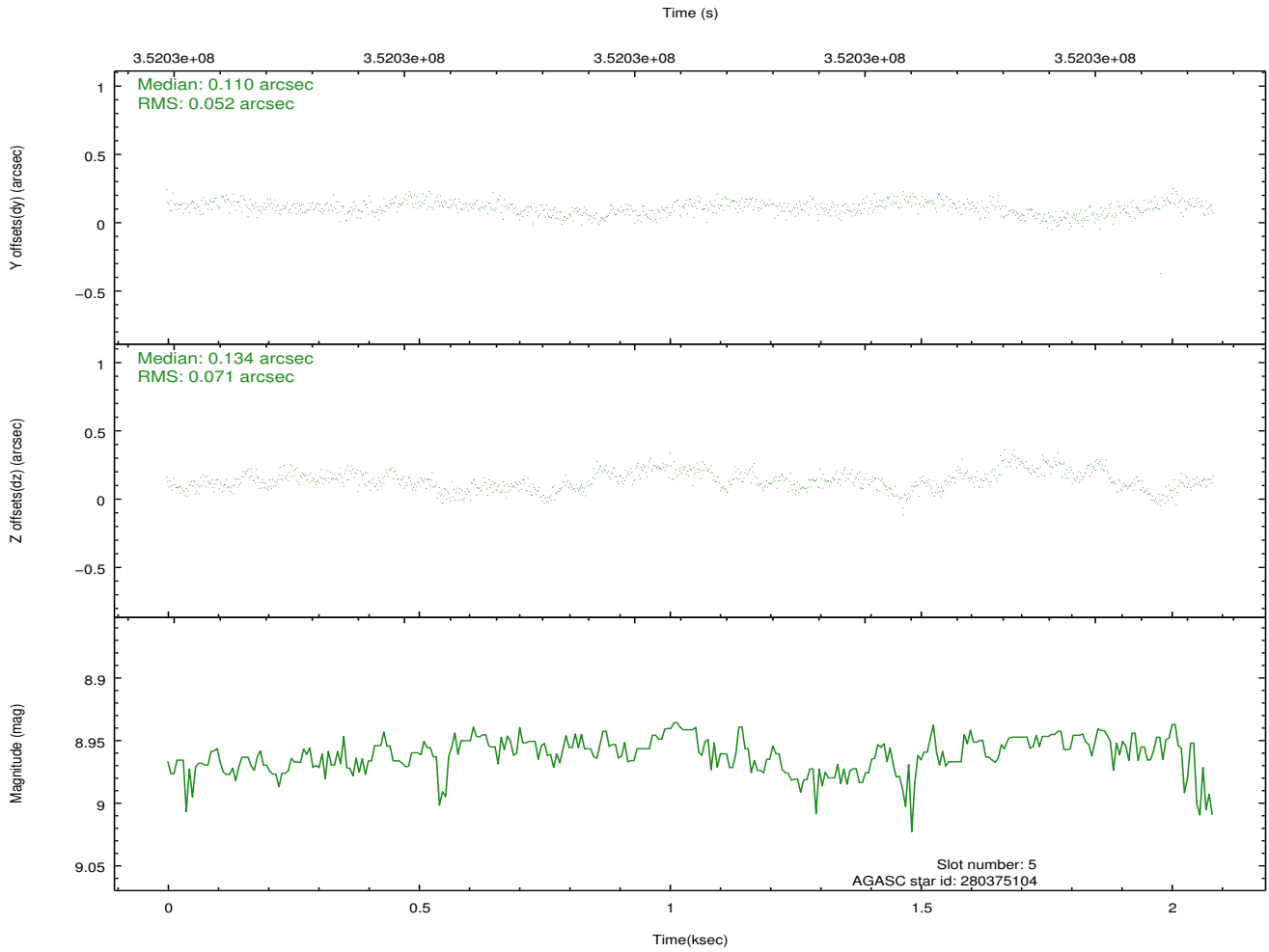
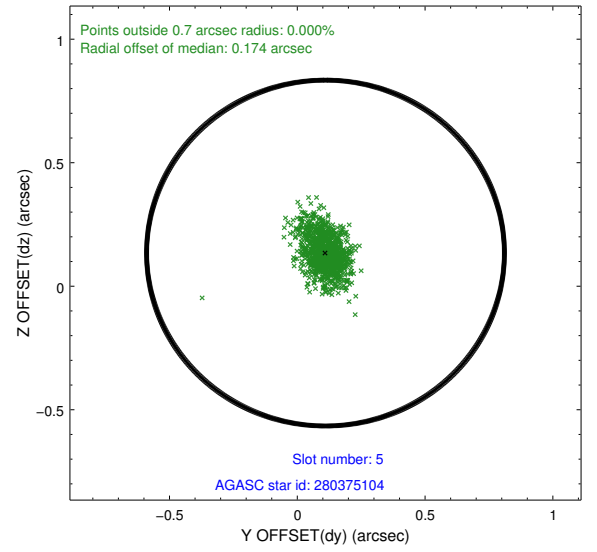
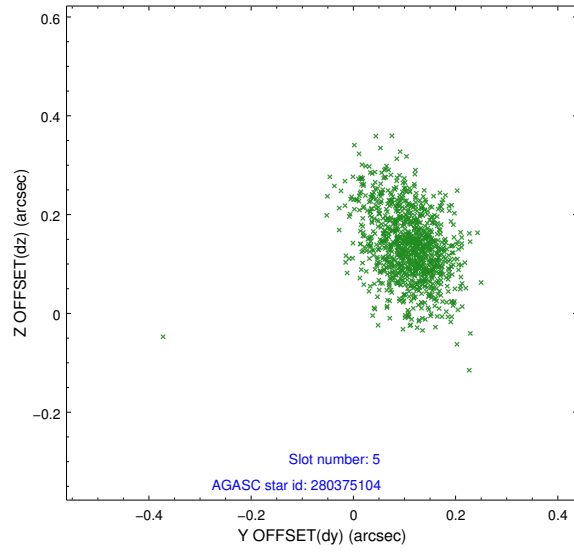
### 2.4.1 Slot 3



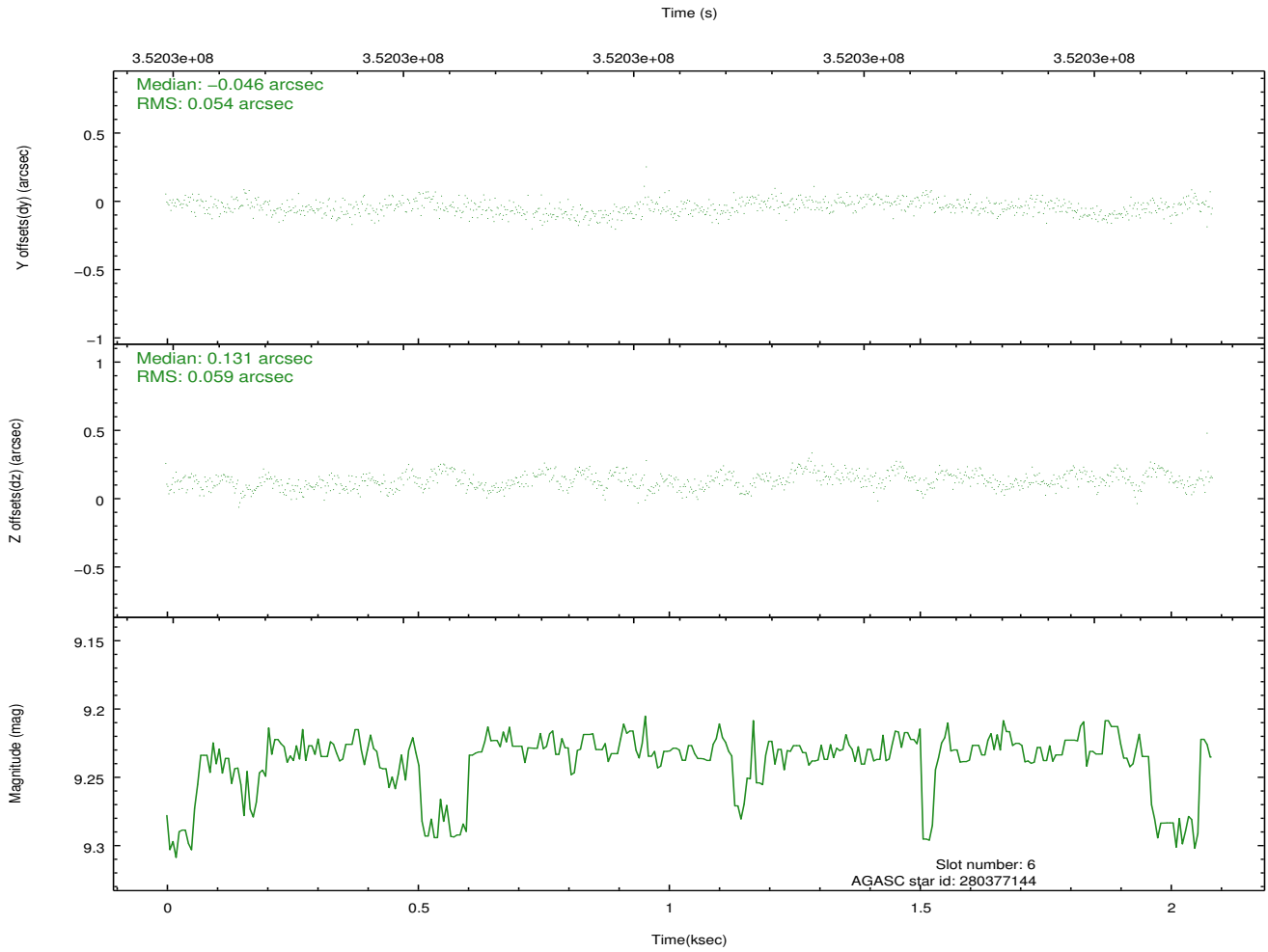
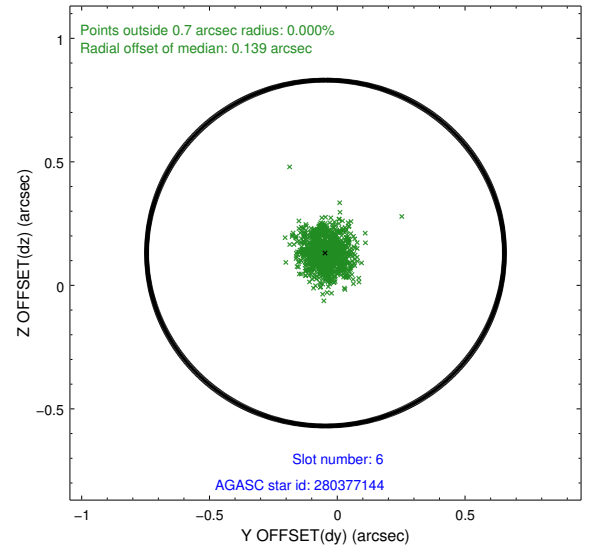
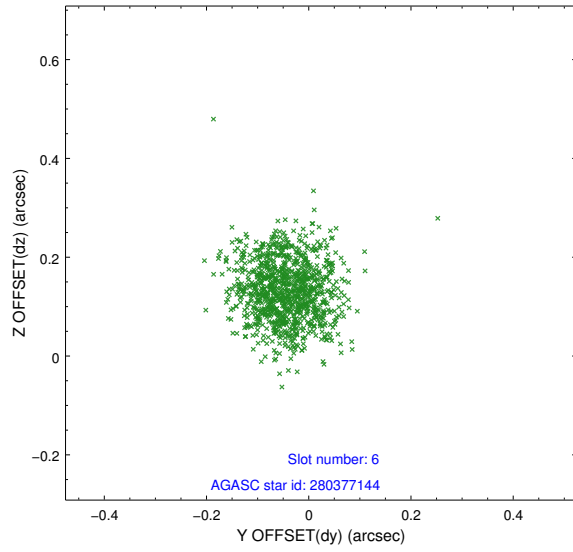
## 2.4.2 Slot 4



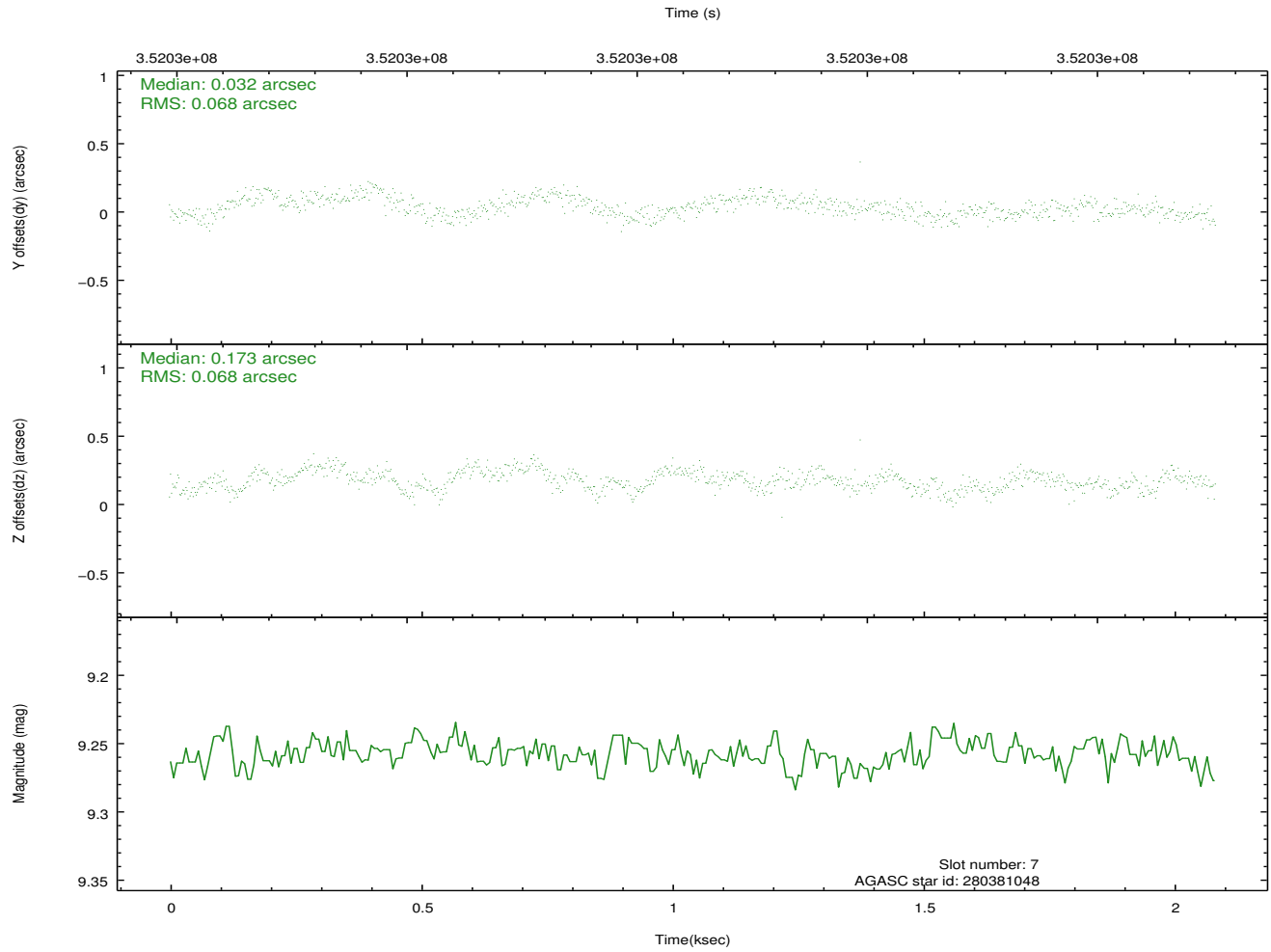
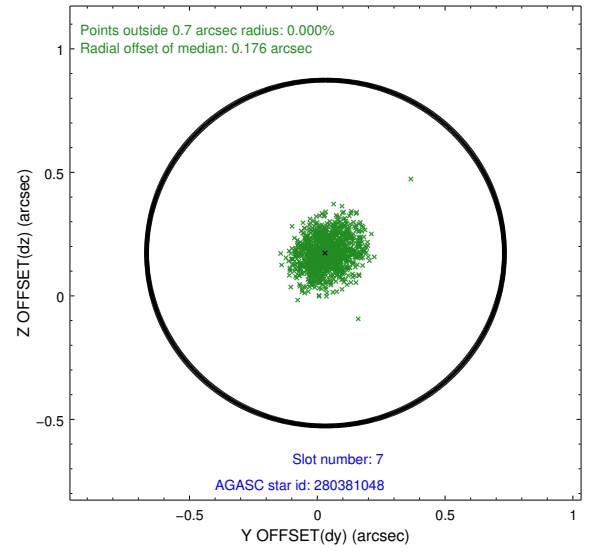
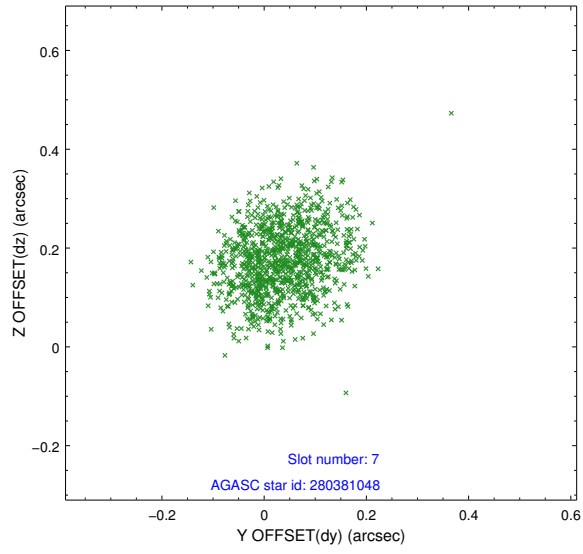
### 2.4.3 Slot 5



## 2.4.4 Slot 6

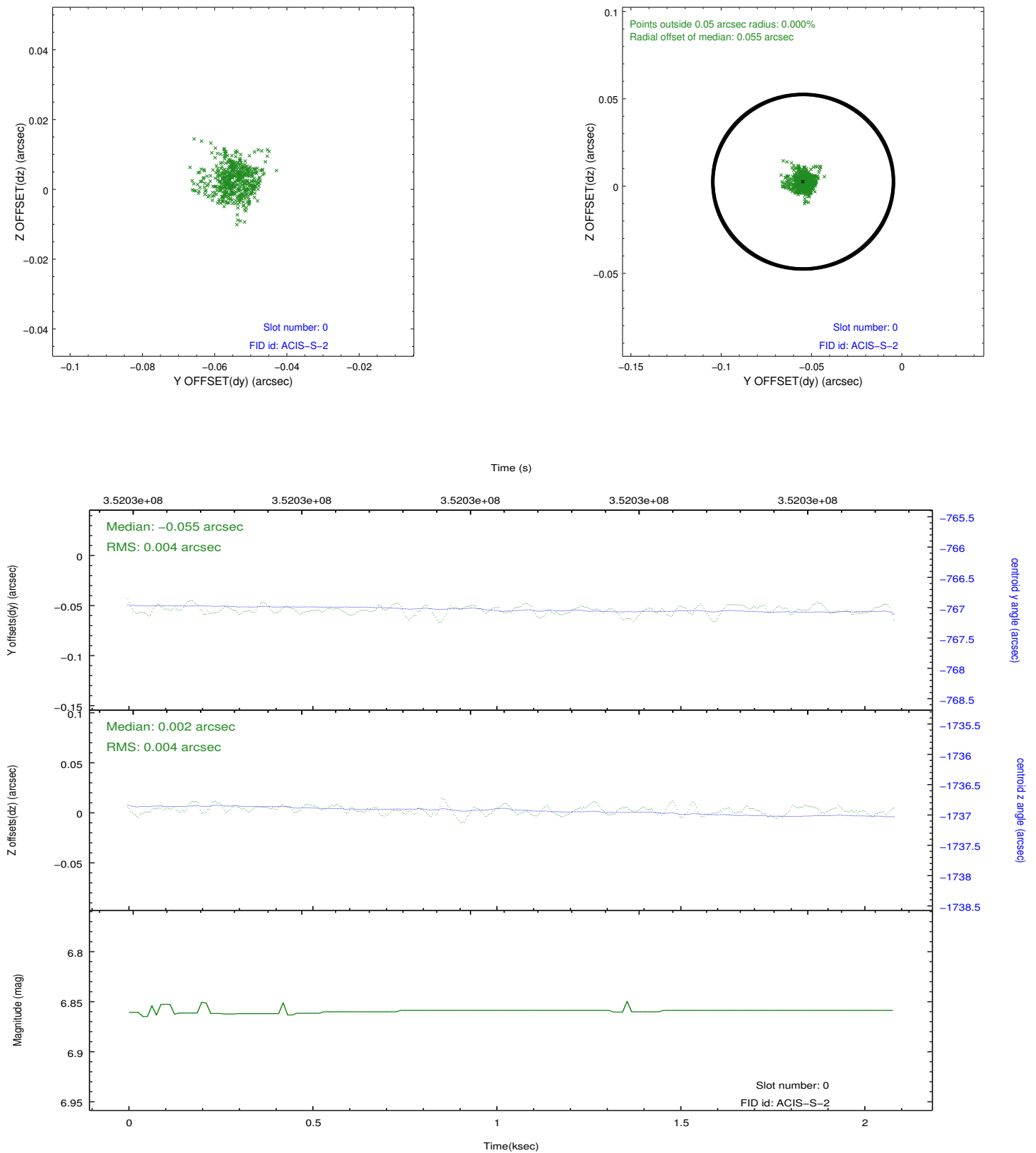


## 2.4.5 Slot 7

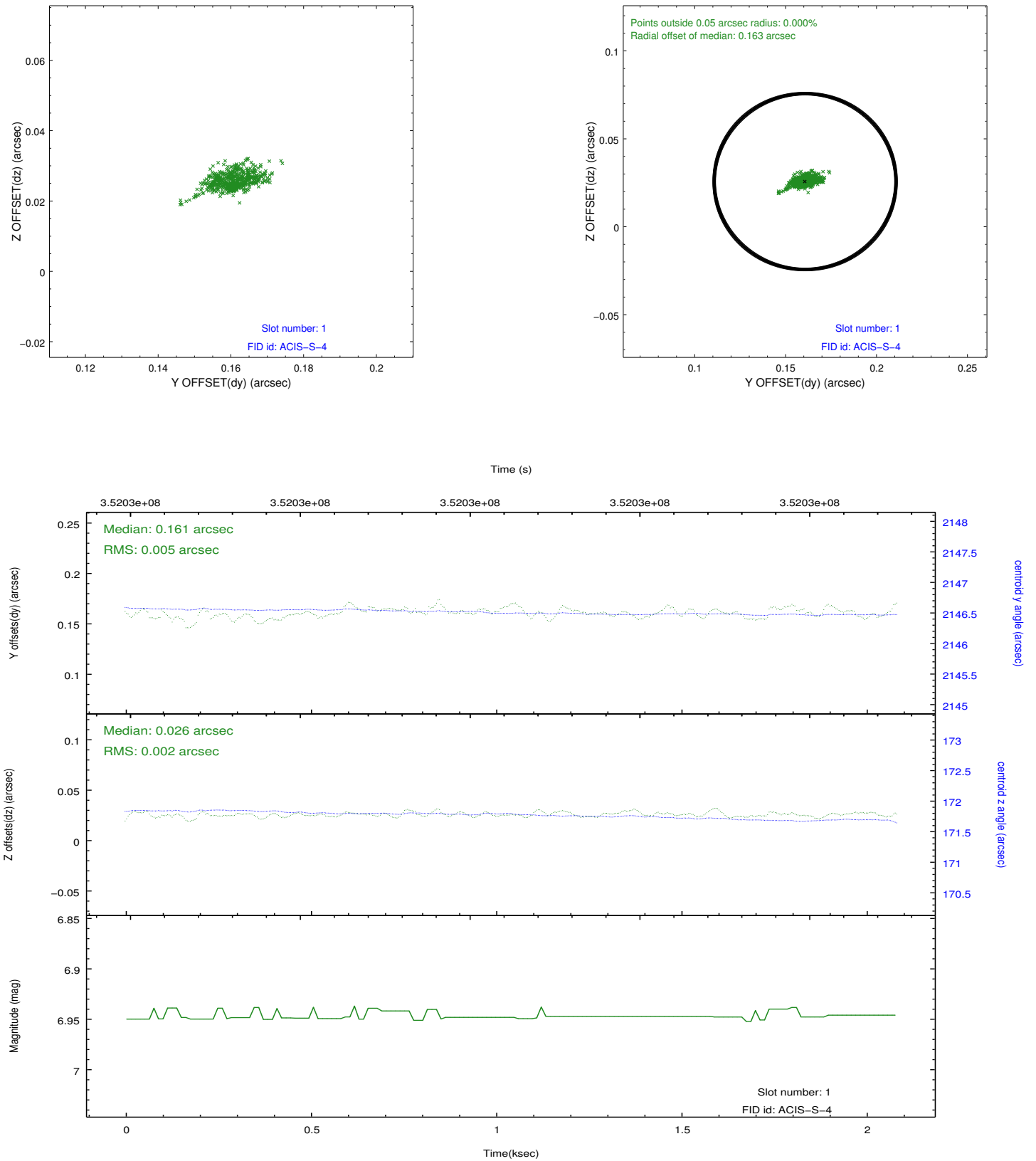


## 2.5 FID Slots

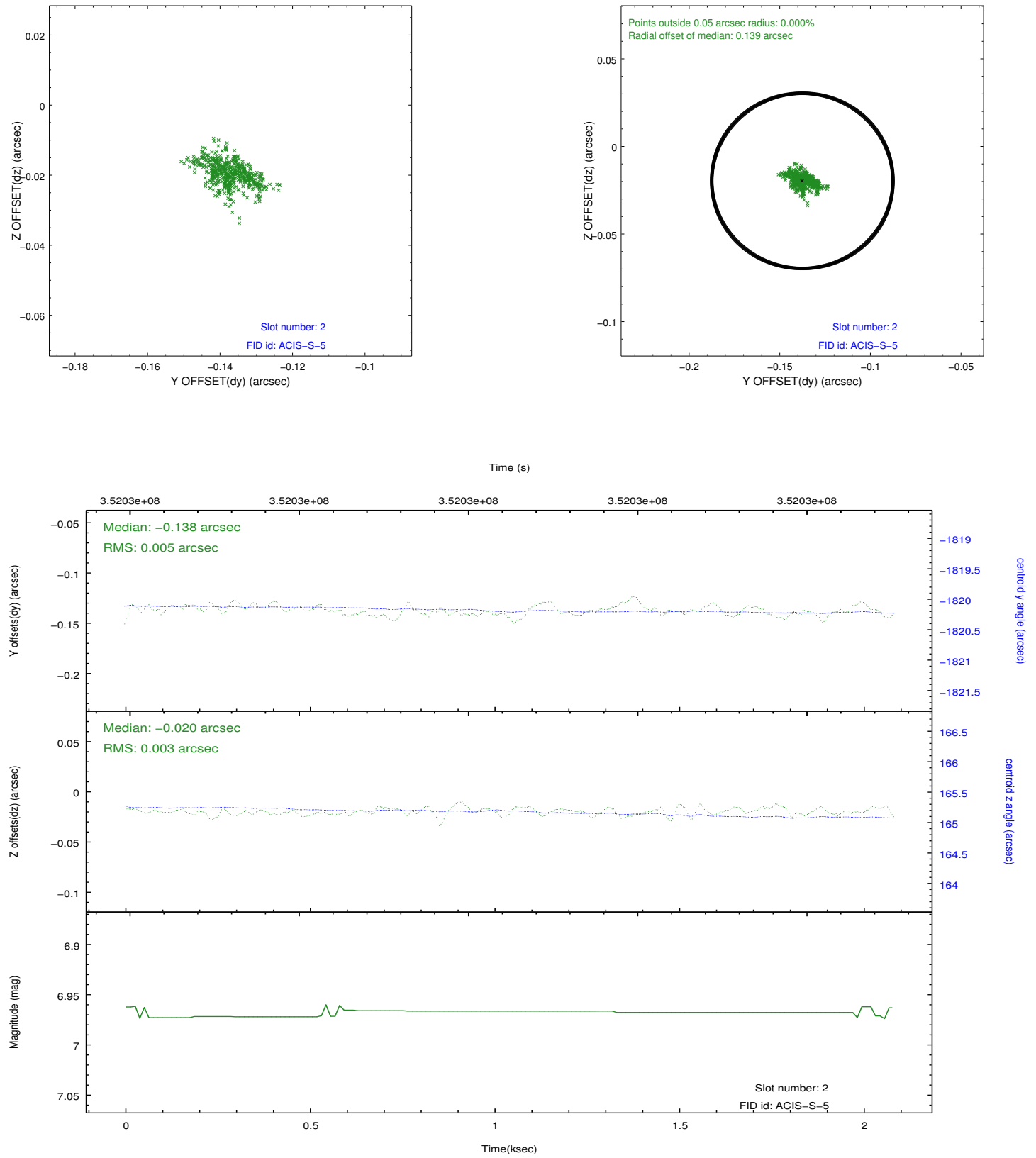
### 2.5.1 Slot 0



## 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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.07999999

### A.2 Comments