

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8234 - L2 Version 2  
Chandra X-Ray Center

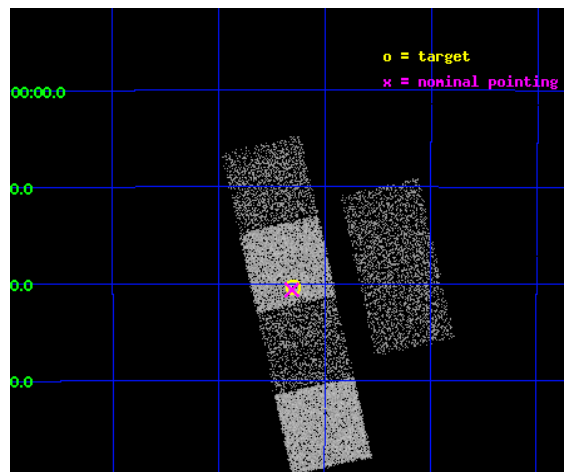
L2 Processing Date : May 2 2012

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# 1 Front

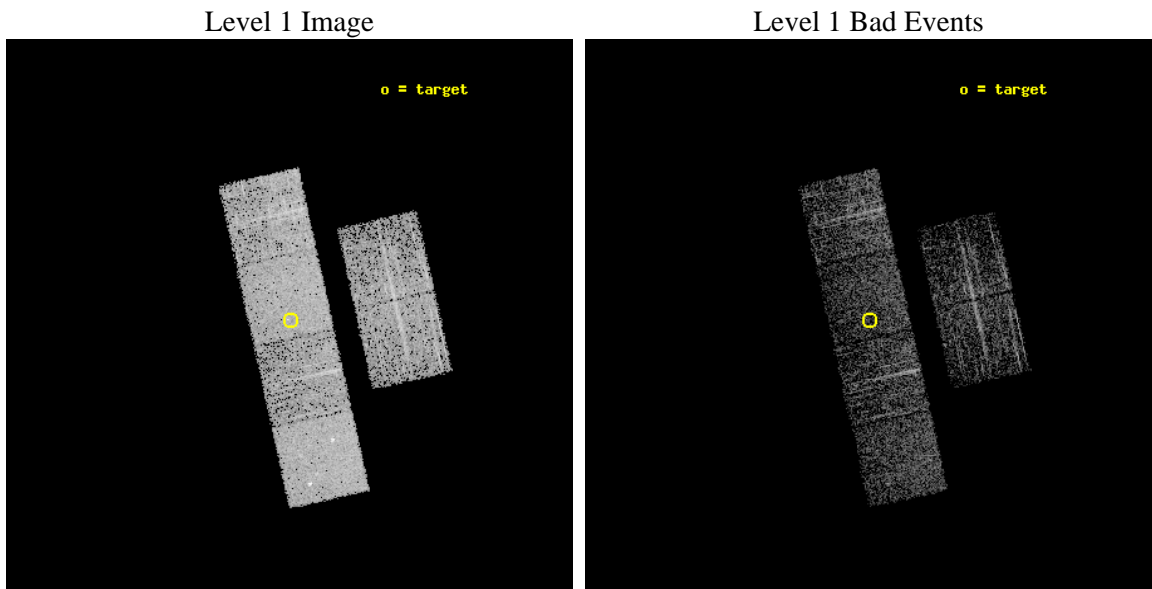
seq_num	900724	Sequence number
obs_id	8234	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J170017-4220	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.075	Observer's specified target RA [deg]
dec_targ	-42.34	Observer's specified target Dec [deg]
ra_nom	255.0774133682	Nominal RA [deg]
dec_nom	-42.344265500446	Nominal Dec [deg]
roll_nom	257.42116488962	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1651.1999939084	Sum of GTIs [s]
livetime	1630.2915053523	Livetime [s]
ontime2	1651.1999939084	Sum of GTIs [s]
ontime3	1651.1999939084	Sum of GTIs [s]
ontime5	1651.1999939084	Sum of GTIs [s]
ontime6	1651.1999939084	Sum of GTIs [s]
ontime7	1651.1999939084	Sum of GTIs [s]
ontime8	1651.1999939084	Sum of GTIs [s]
l2events	27046	Number of level 2 events



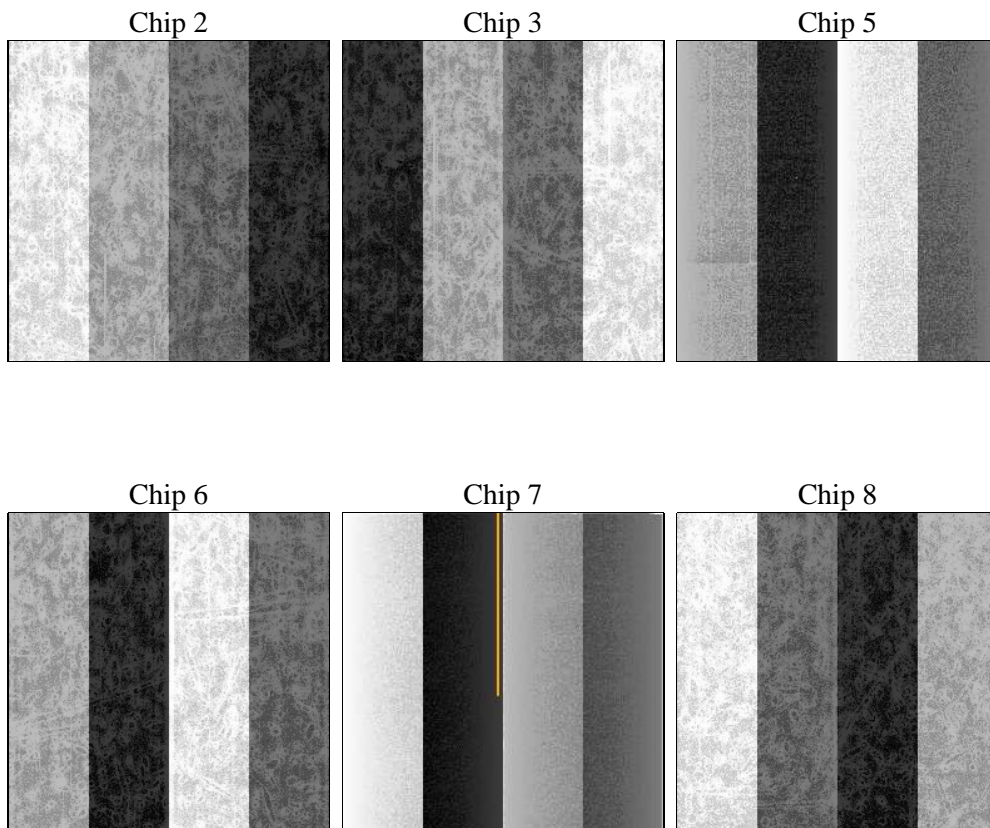
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1651.1999939084	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime2	1651.1999939084	Sum of GTIs [s]
date	2012-05-02T08:37:09	Date and time of file creation	ontime3	1651.1999939084	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1651.1999939084	Sum of GTIs [s]
			ontime6	1651.1999939084	Sum of GTIs [s]
			ontime7	1651.1999939084	Sum of GTIs [s]
			ontime8	1651.1999939084	Sum of GTIs [s]
			l1events	206859	Number of level 1 events

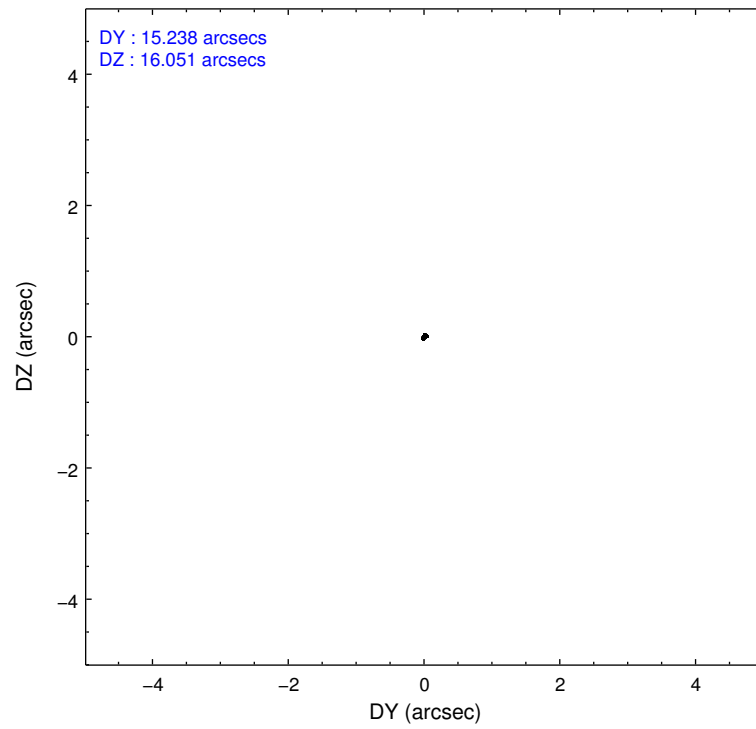
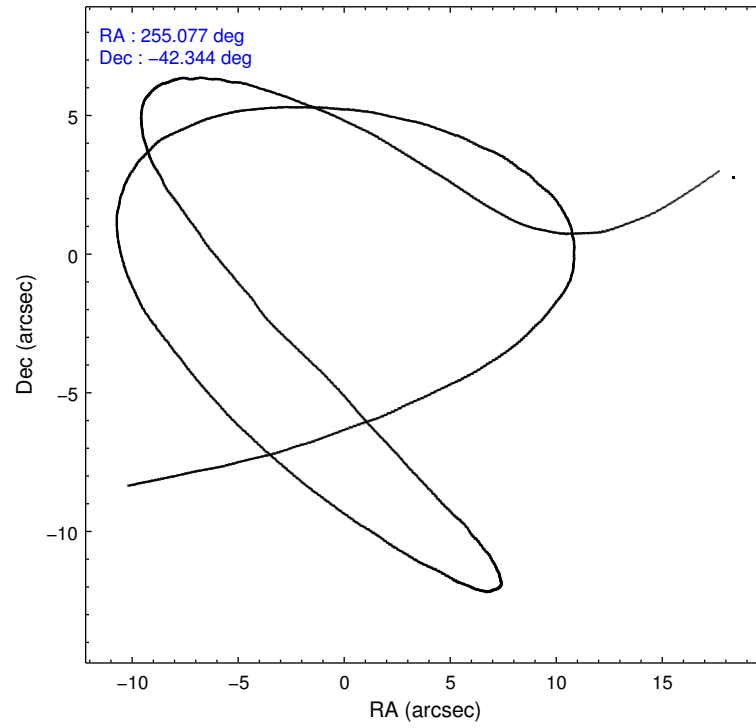
### 2.1.4 Events

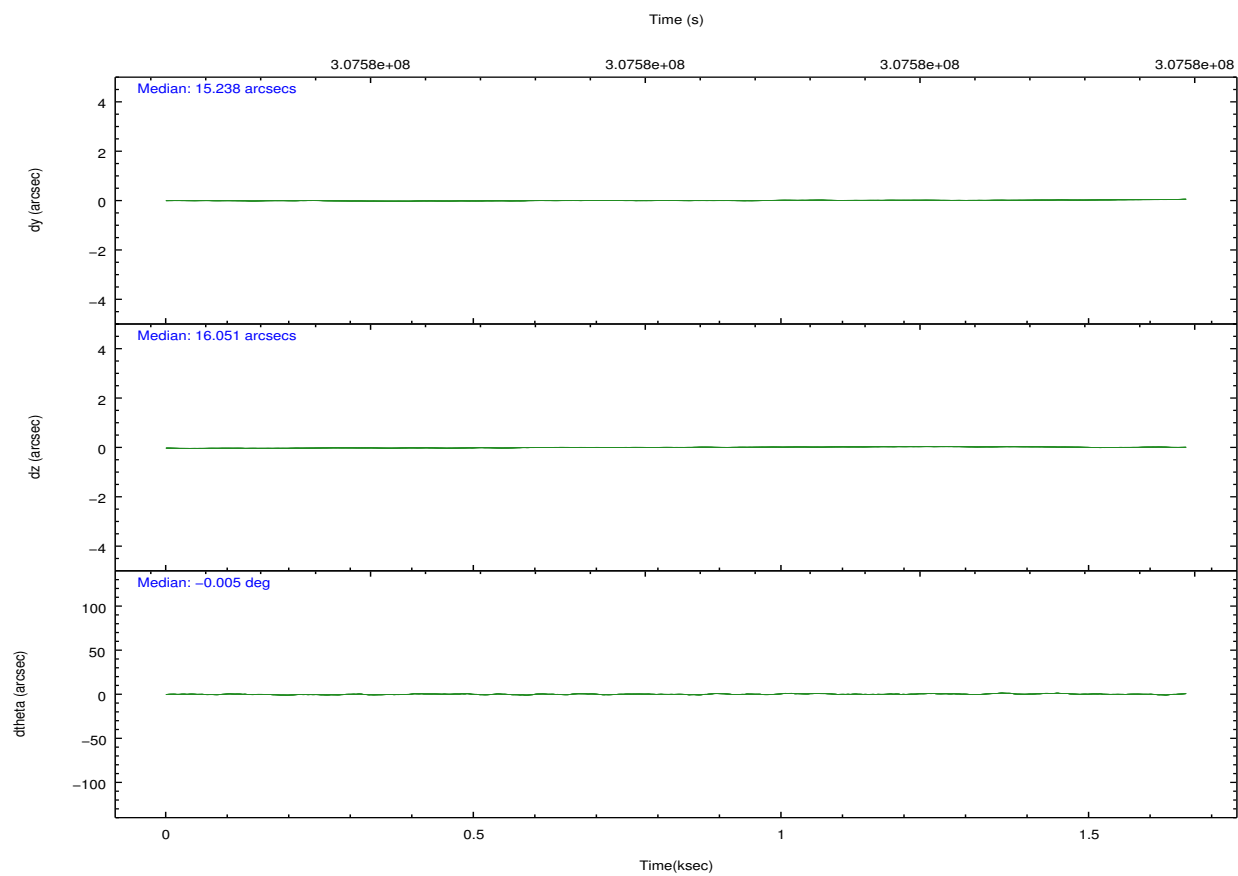
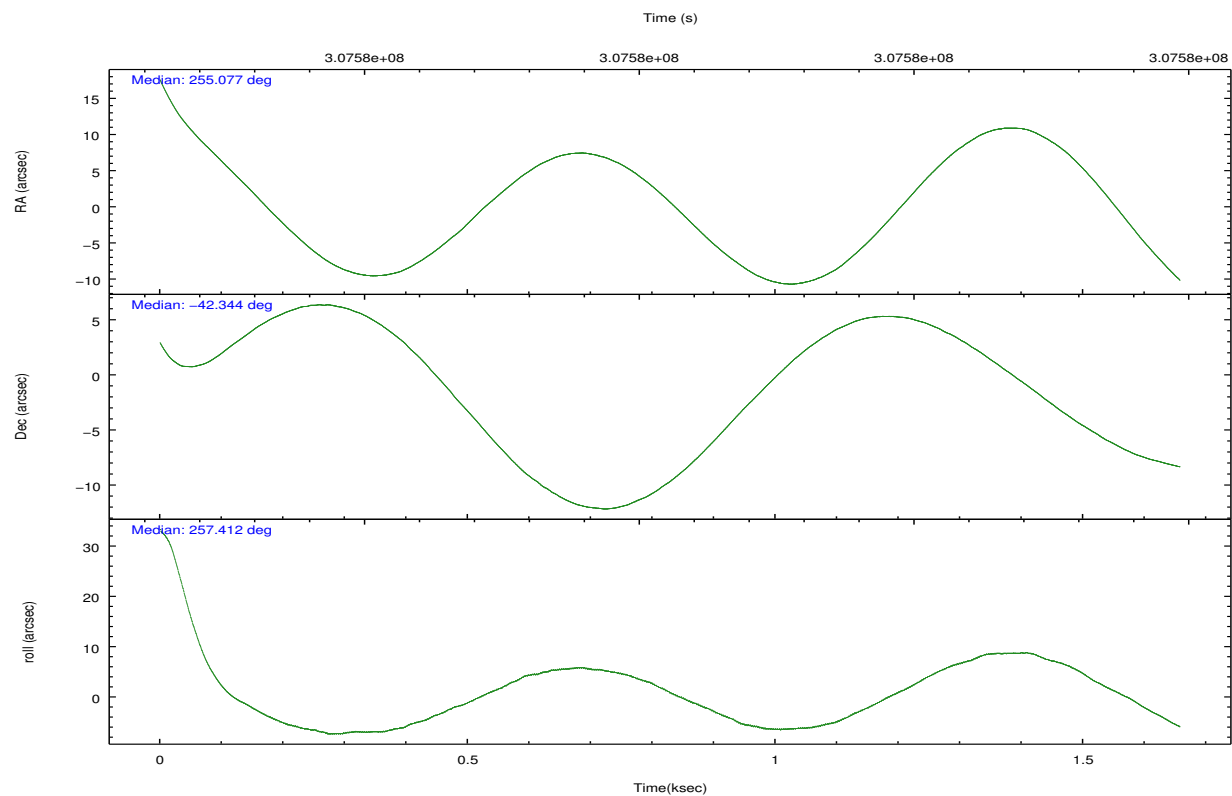
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30318	28660	43637	27872	39094	37278	grade 0 events	2816	2677	2139	1649	1462	2943
rejected events	28363	26771	32106	25791	29625	32617		9%	9%	4%	5%	3%	7%
rejected %	93%	93%	73%	92%	75%	87%	grade 1 events	226	224	74	23	30	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	1066	997	6227	818	3486	1865
								3%	3%	14%	2%	8%	5%
							grade 3 events	430	433	743	334	1389	918
								1%	1%	1%	1%	3%	2%
							grade 4 events	472	462	731	343	1423	817
								1%	1%	1%	1%	3%	2%
							grade 5 events	1297	1423	3037	1375	3613	1794
								4%	4%	6%	4%	9%	4%
							grade 6 events	786	774	10680	683	9078	2005
								2%	2%	24%	2%	23%	5%
							grade 7 events	23225	21670	20006	22647	18613	26907
								76%	75%	45%	81%	47%	72%

## 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	255.065590	255.0774133682005	CCD I2 on	O2	Y
[deg] Pointing Dec	-42.318606	-42.34426550044594	CCD I3 on	O3	Y
[deg] Pointing Roll	257.256409	257.4211648896172	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)	307576382.184000	307574693.06861	CCD S5 on	N	N
Observation start date	2007-09-30T21:51:57	2007-09-30T21:24:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	307577882.184000	307578240.08128	On-chip summing requested	N	N
Observation end date	2007-09-30T22:16:57	2007-09-30T22:24:00	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





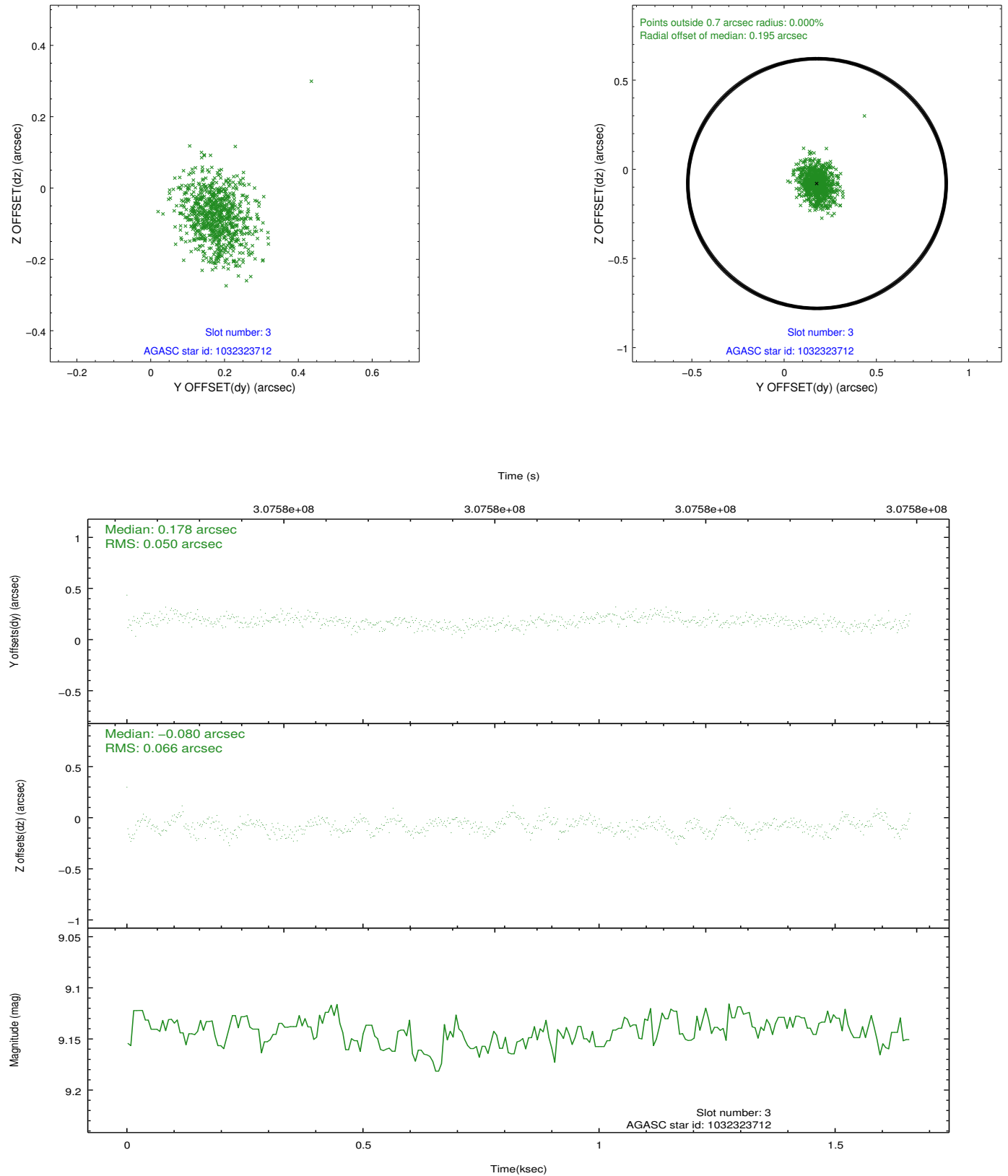
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.18	405	0.132	-0.007	0.006	0.012	0.000000	0.000000	2145.26	171.20
1	FID	ACIS-S-5	7.22	404	-0.161	-0.006	0.006	0.011	0.000000	0.000000	-1816.11	165.08
2	FID	ACIS-S-6	7.33	405	0.000	0.027	0.007	0.013	0.000000	0.000000	389.07	808.84
3	GUIDE	1032323712	9.14	810	0.178	-0.080	0.088	0.141	254.183673	-42.363410	688.66	-2249.95
4	GUIDE	1032454880	7.83	810	-0.007	-0.097	0.056	0.087	255.805803	-42.215139	-788.30	1841.53
5	GUIDE	1032456032	8.38	810	-0.077	-0.046	0.062	0.100	256.011351	-42.138769	-1174.71	2324.63
6	GUIDE	1032458288	9.12	809	0.091	0.071	0.075	0.124	255.516912	-42.294354	-347.20	1156.33
7	GUIDE	1032341952	7.17	809	-0.190	0.163	0.046	0.073	254.946907	-41.627000	-2356.82	-859.67

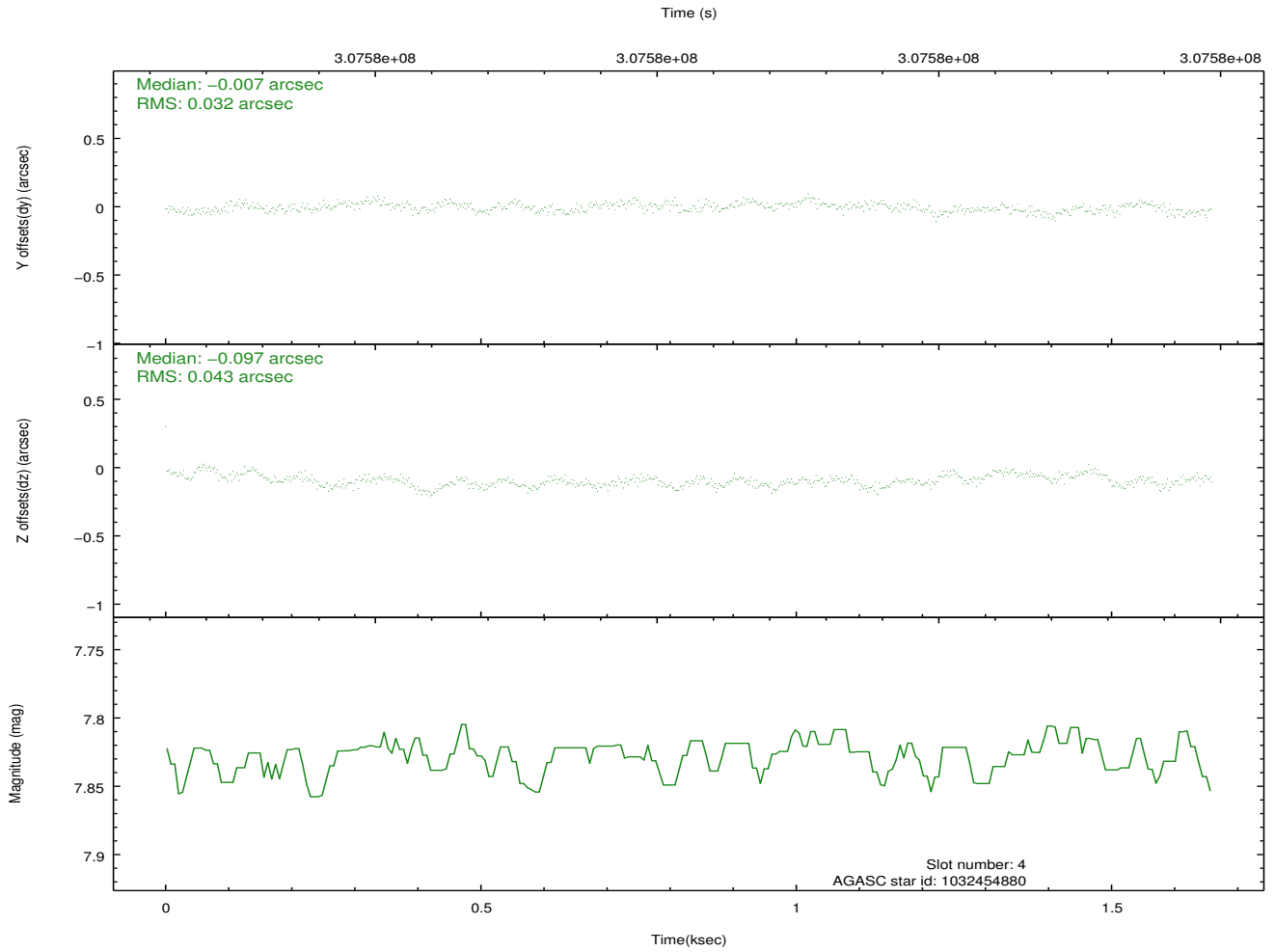
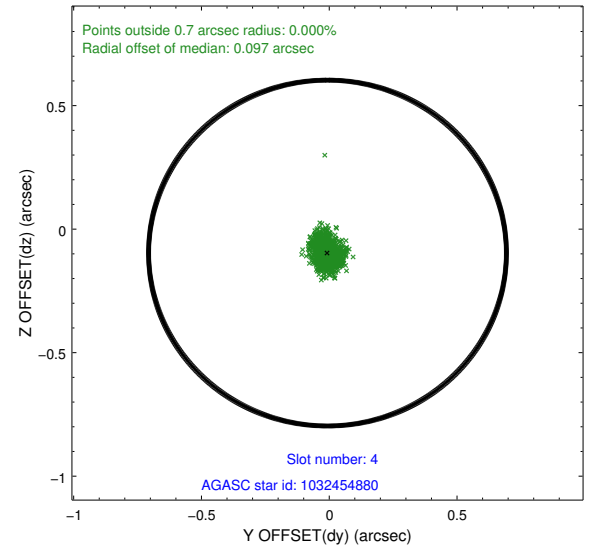
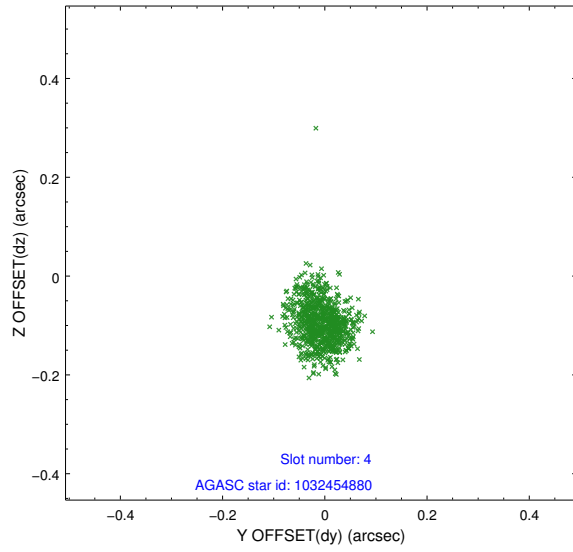


## 2.4 Star Slots

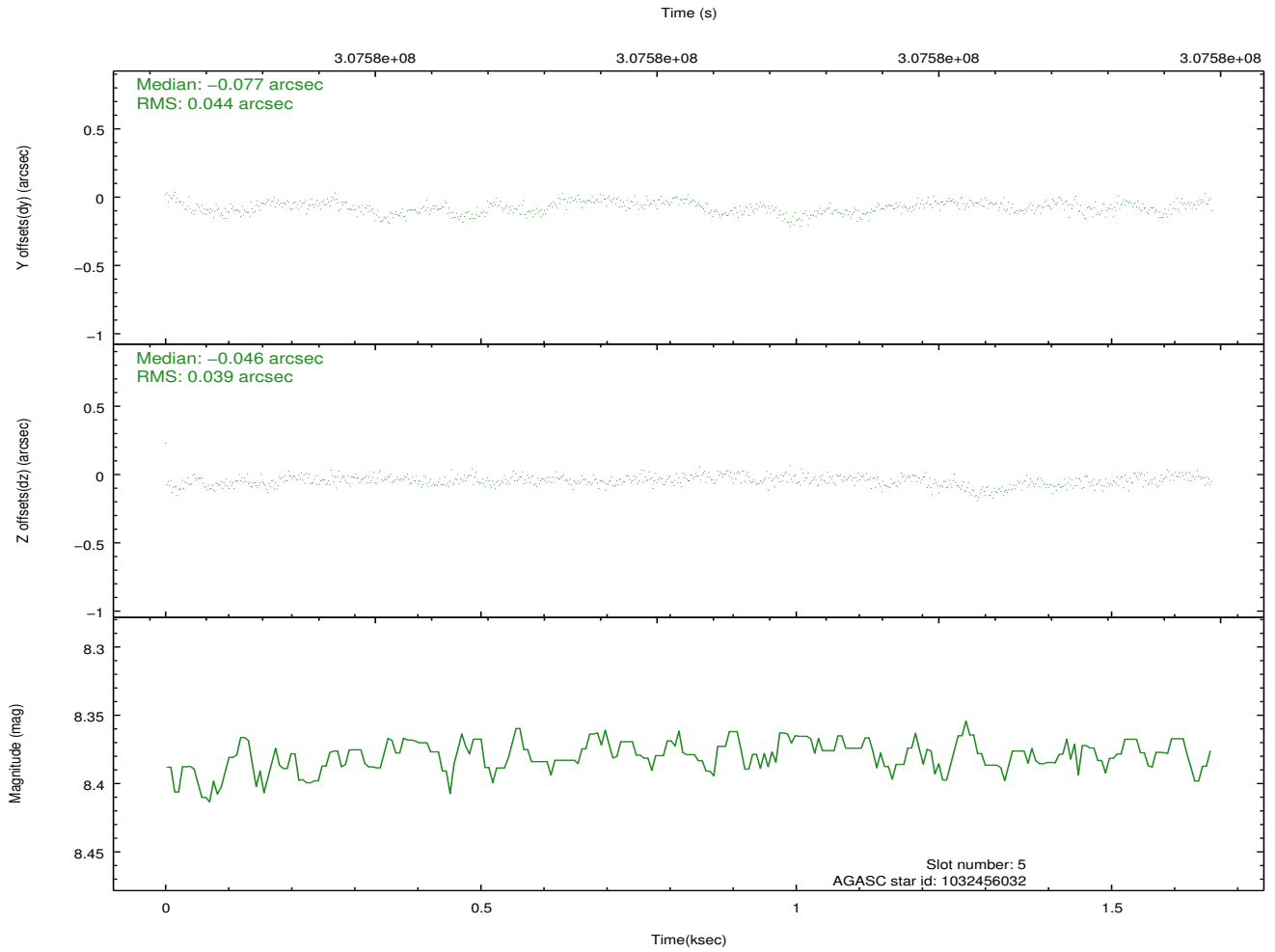
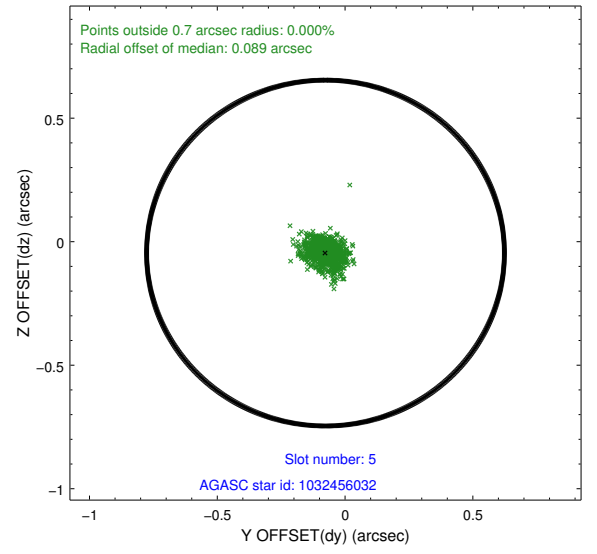
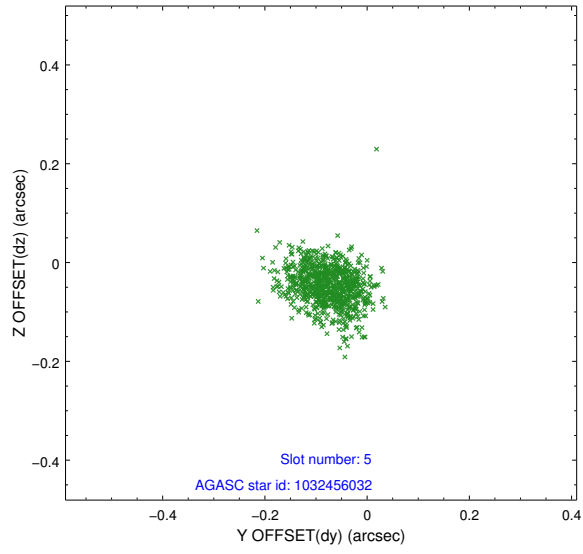
### 2.4.1 Slot 3



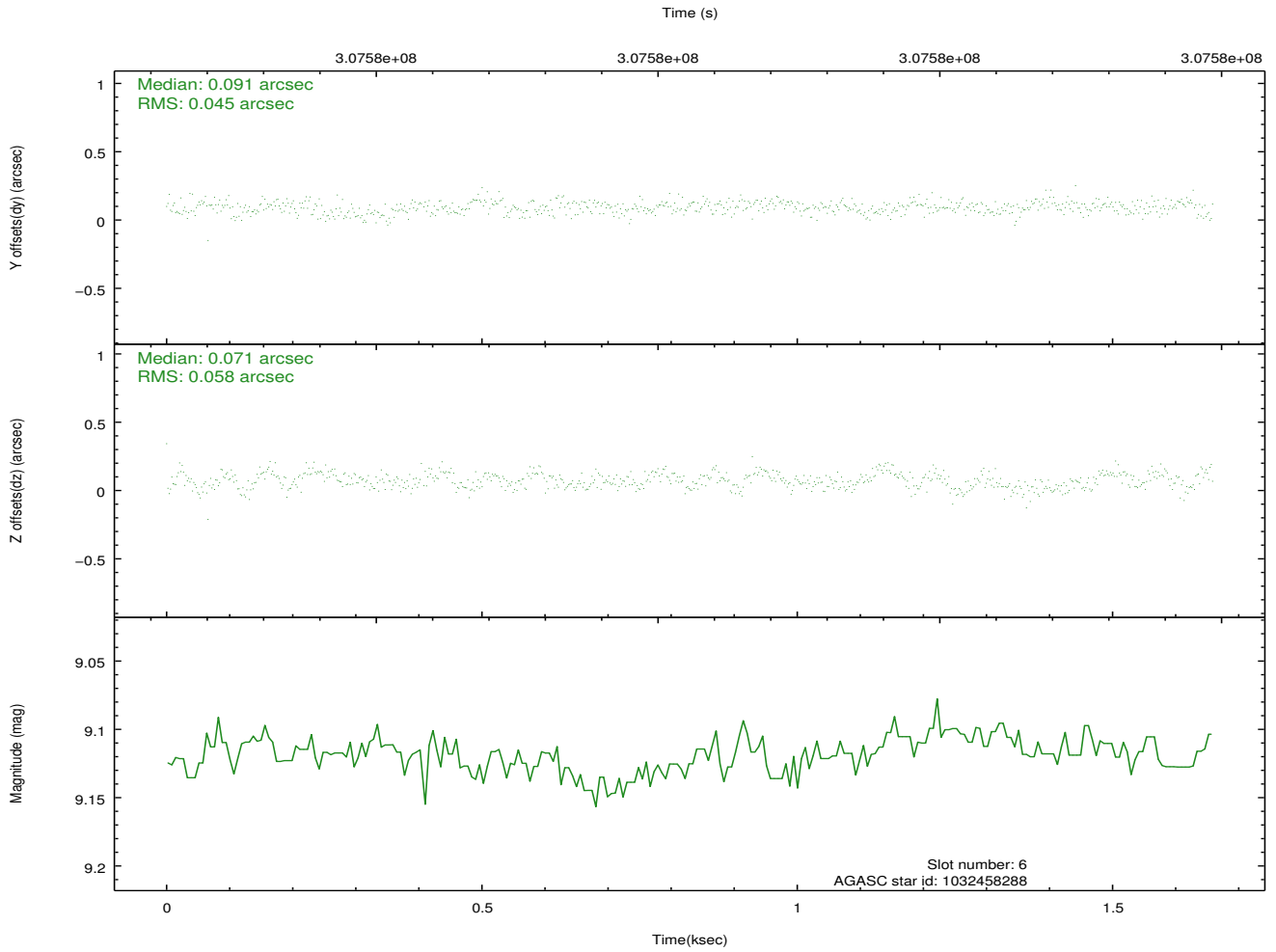
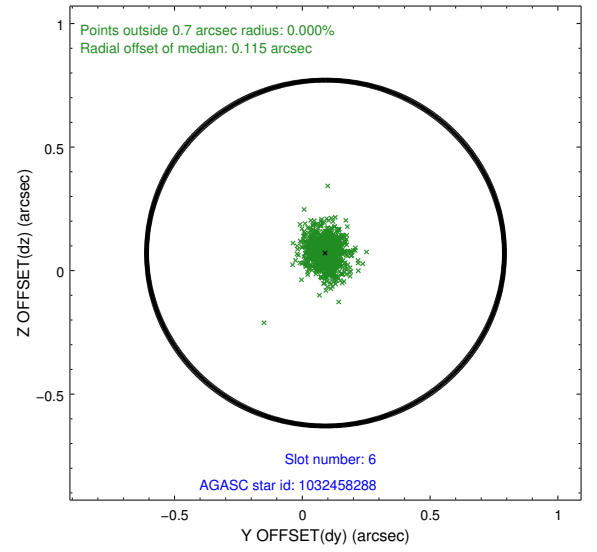
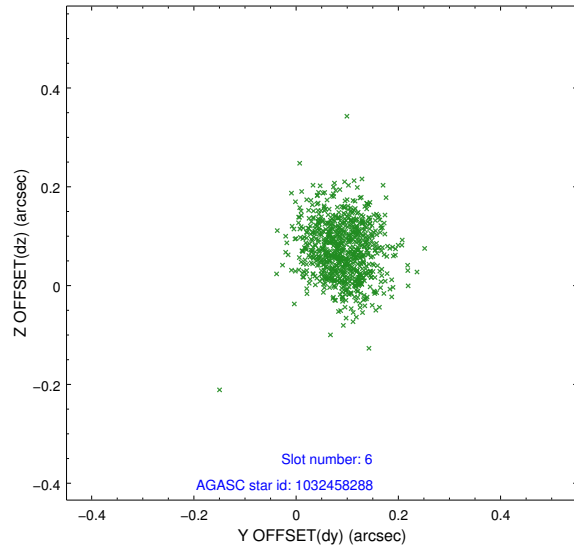
## 2.4.2 Slot 4



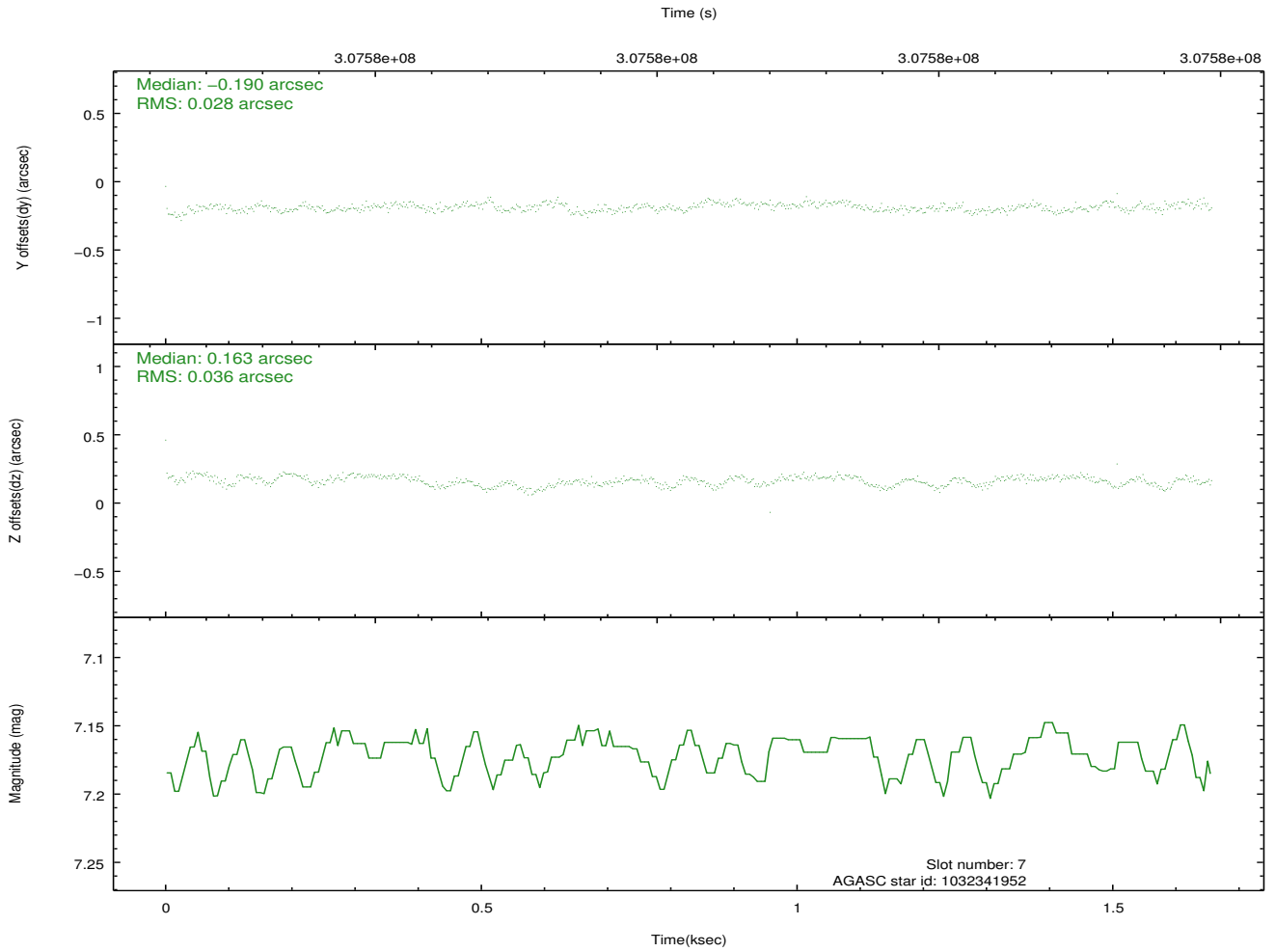
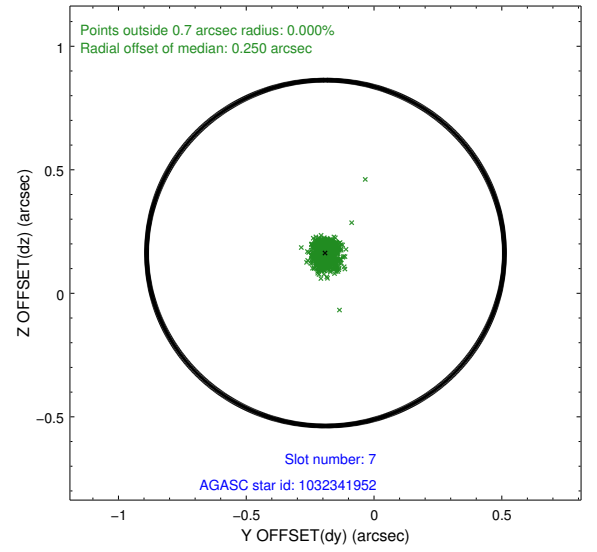
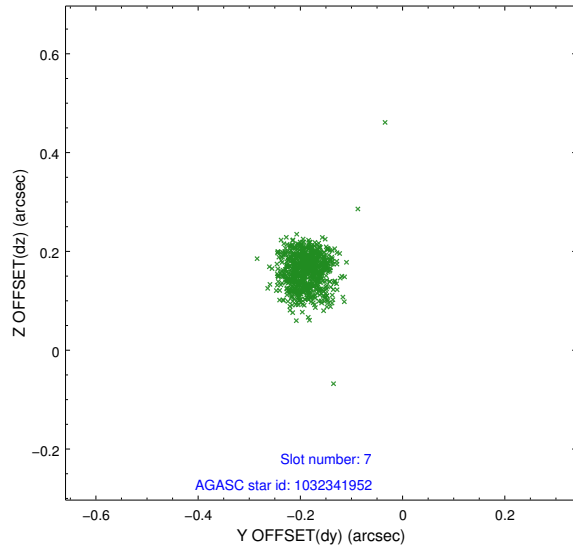
### 2.4.3 Slot 5



## 2.4.4 Slot 6

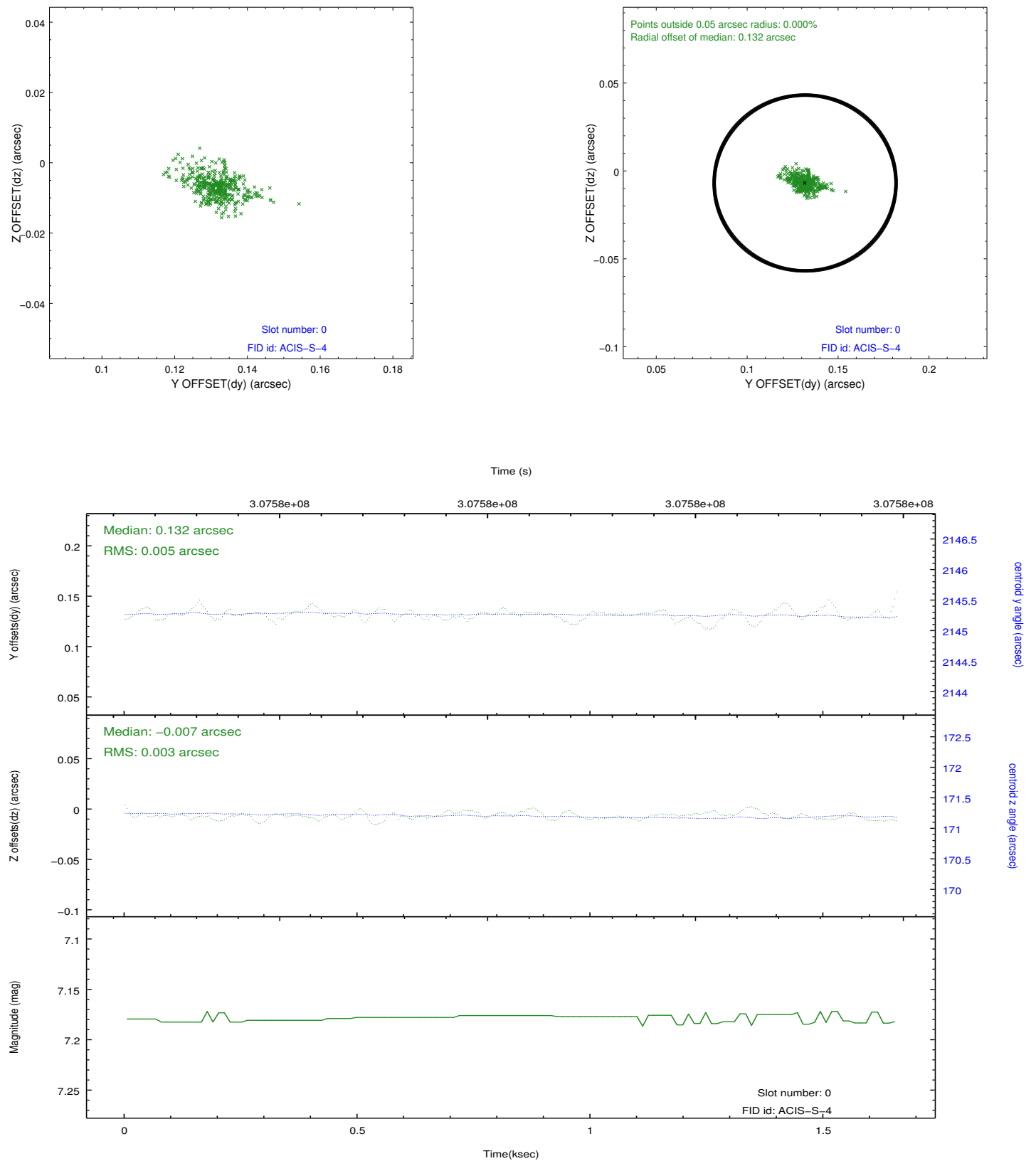


## 2.4.5 Slot 7

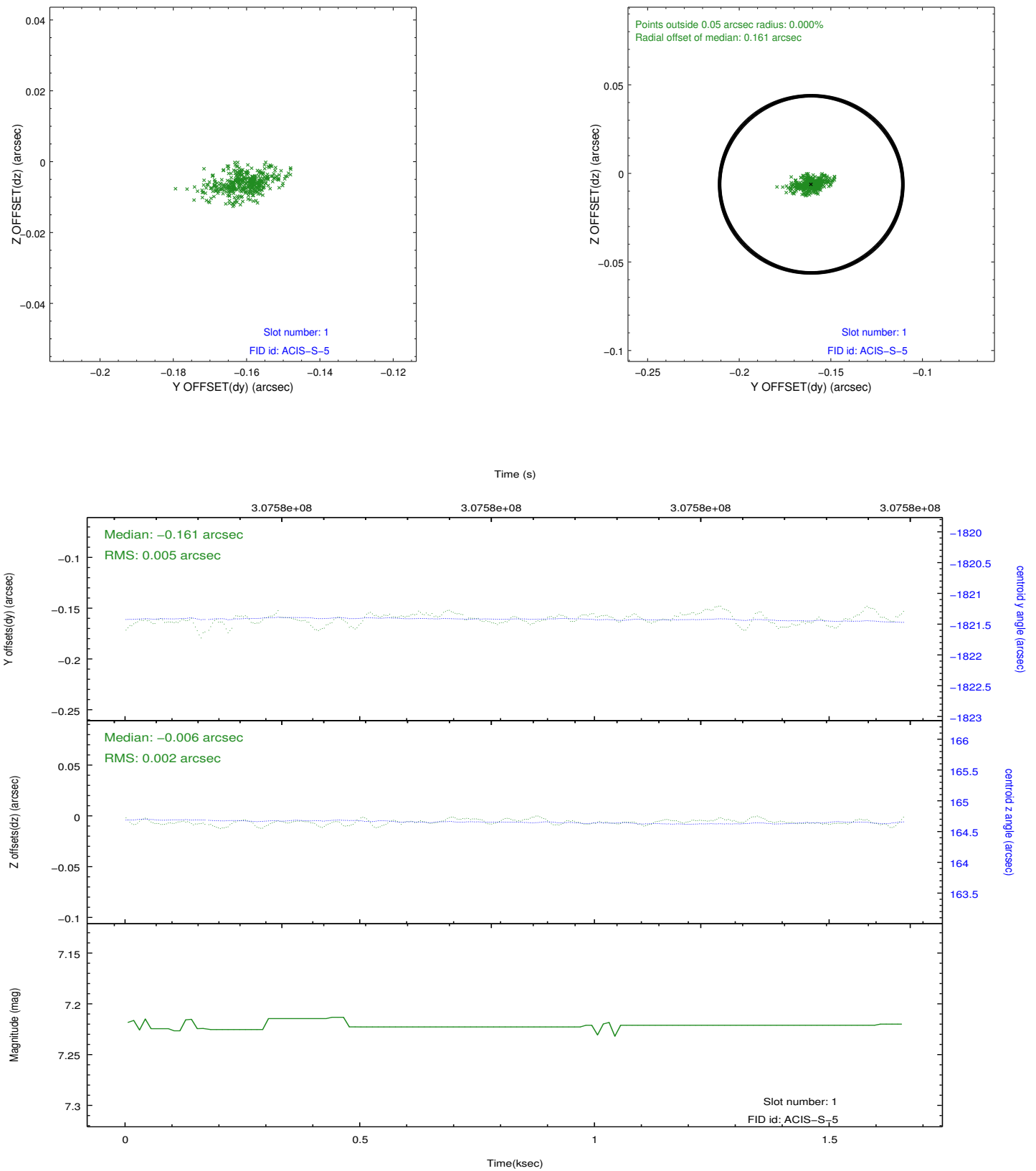


## 2.5 FID Slots

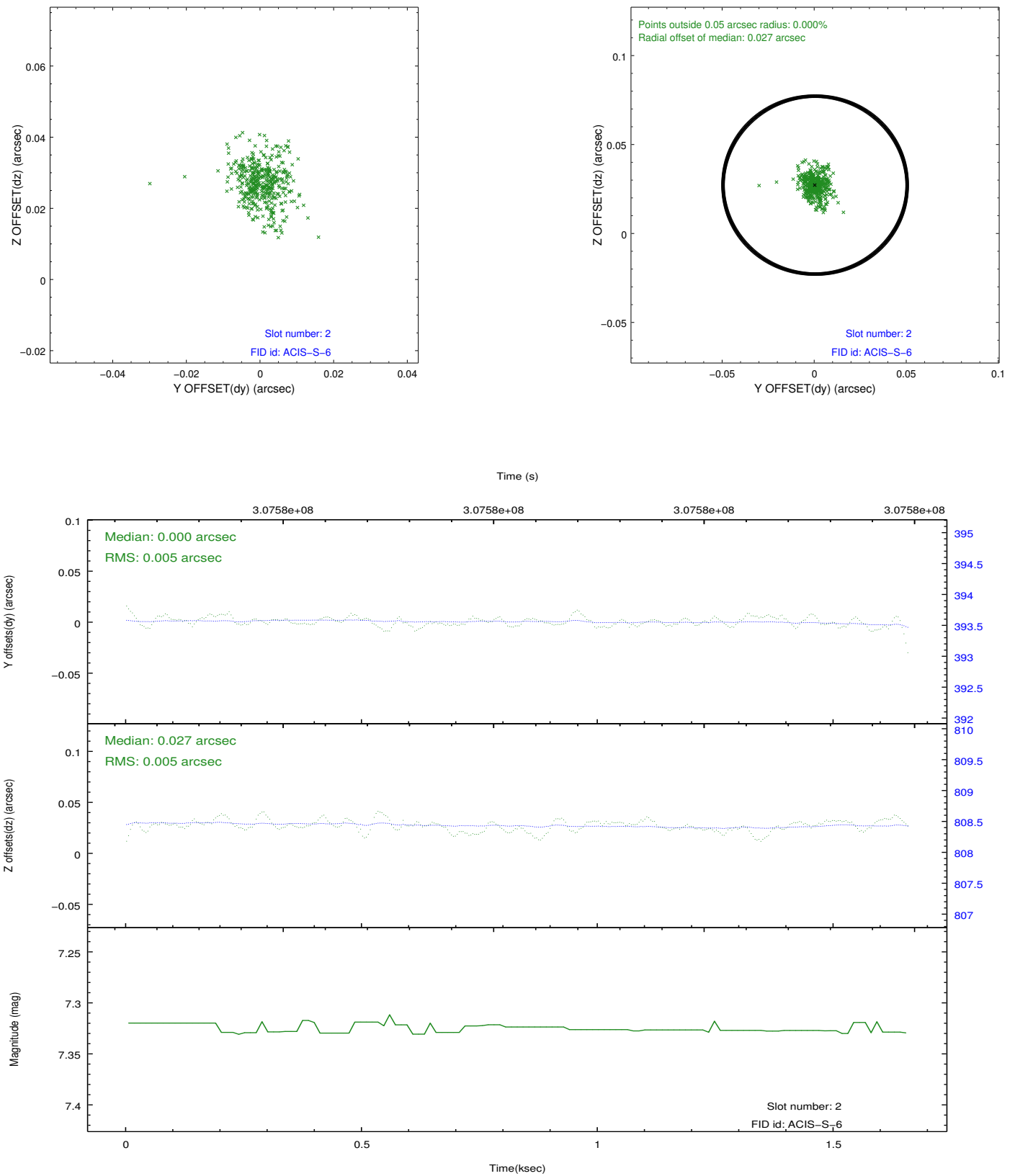
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.65119999

### A.2 Comments