

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8233 - L2 Version 3  
Chandra X-Ray Center

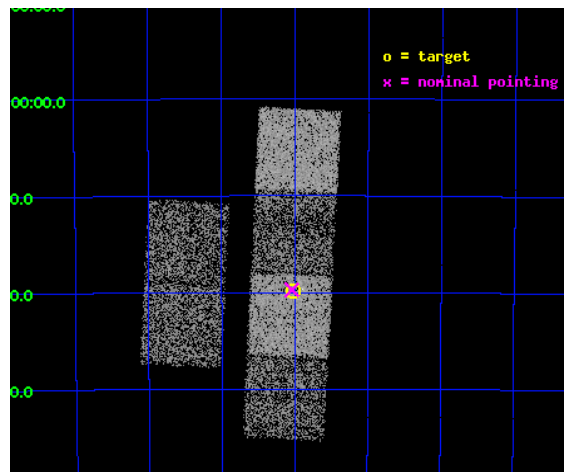
L2 Processing Date : Apr 18 2012

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# 1 Front

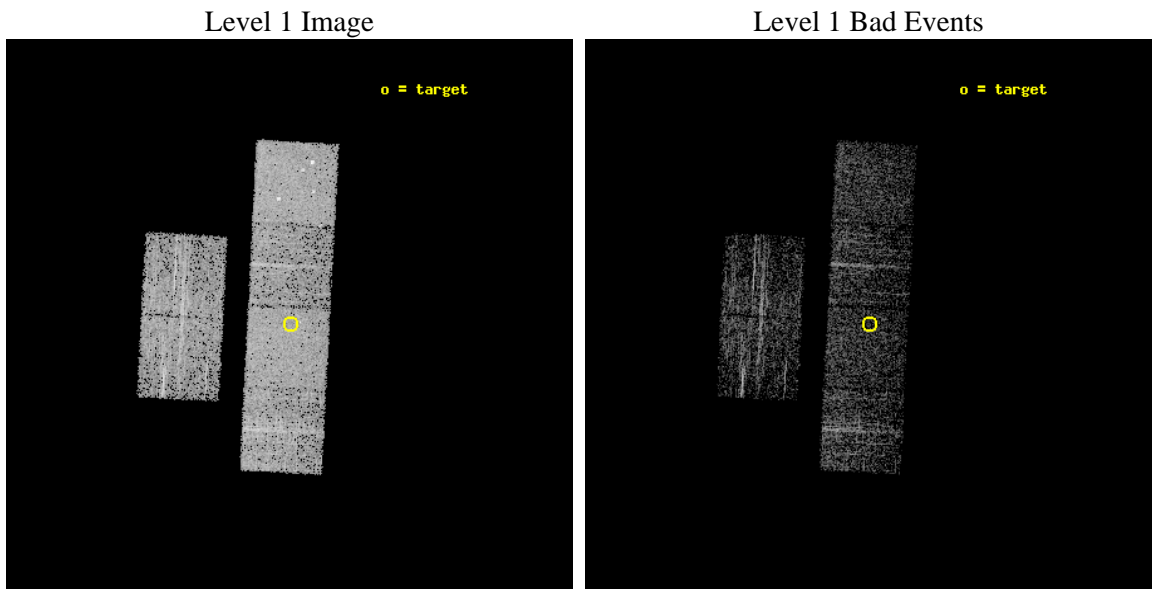
seq_num	900723	Sequence number
obs_id	8233	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J144701-5919	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.757083	Observer's specified target RA [deg]
dec_targ	-59.33	Observer's specified target Dec [deg]
ra_nom	221.75988322132	Nominal RA [deg]
dec_nom	-59.328757628064	Nominal Dec [deg]
roll_nom	92.948050074032	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1451.9065653086	Sum of GTIs [s]
livetime	1433.5216501455	Livetime [s]
ontime2	1451.9476053119	Sum of GTIs [s]
ontime3	1451.7834452987	Sum of GTIs [s]
ontime5	1451.8655253053	Sum of GTIs [s]
ontime6	1451.824485302	Sum of GTIs [s]
ontime7	1451.9065653086	Sum of GTIs [s]
ontime8	1451.7424052954	Sum of GTIs [s]
l2events	32601	Number of level 2 events



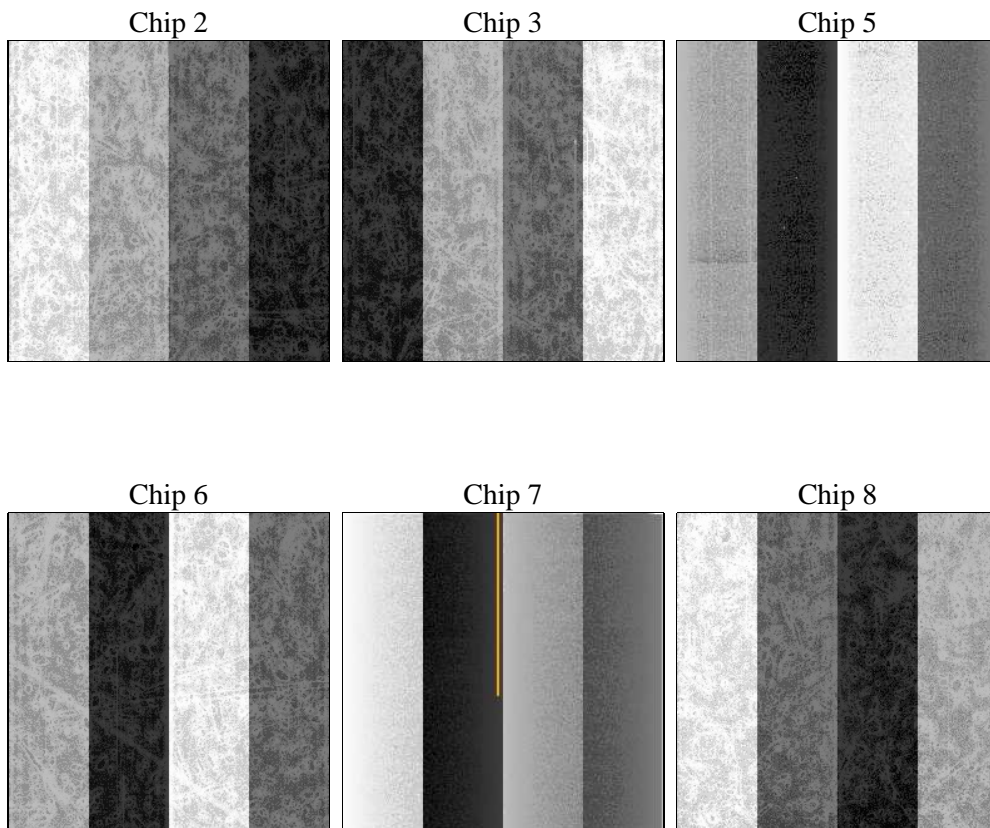
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1498.990000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1451.9065653086	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	1451.9476053119	Sum of GTIs [s]
date	2012-04-18T12:11:36	Date and time of file creation	ontime3	1451.7834452987	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1451.8655253053	Sum of GTIs [s]
			ontime6	1451.824485302	Sum of GTIs [s]
			ontime7	1451.9065653086	Sum of GTIs [s]
			ontime8	1451.7424052954	Sum of GTIs [s]
			l1events	109305	Number of level 1 events

### 2.1.4 Events

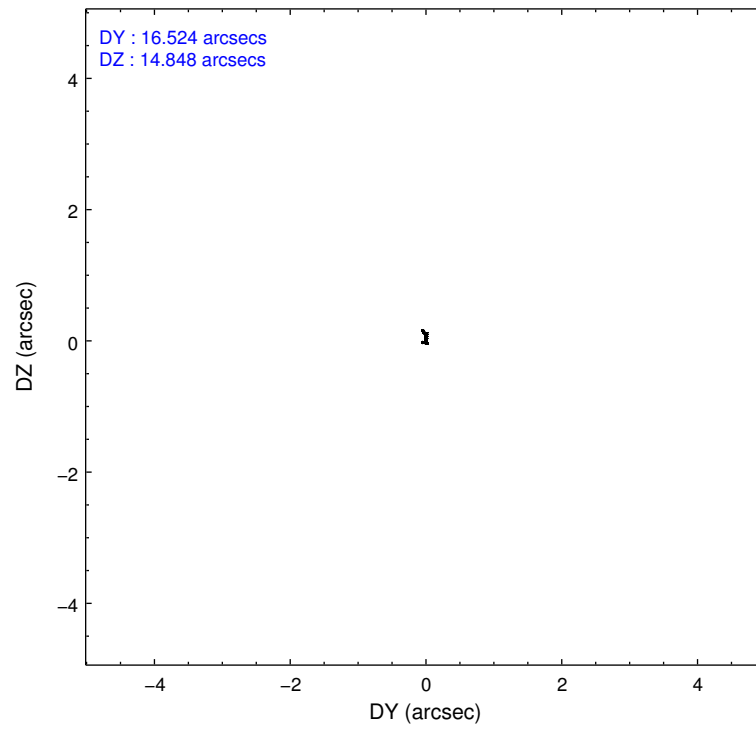
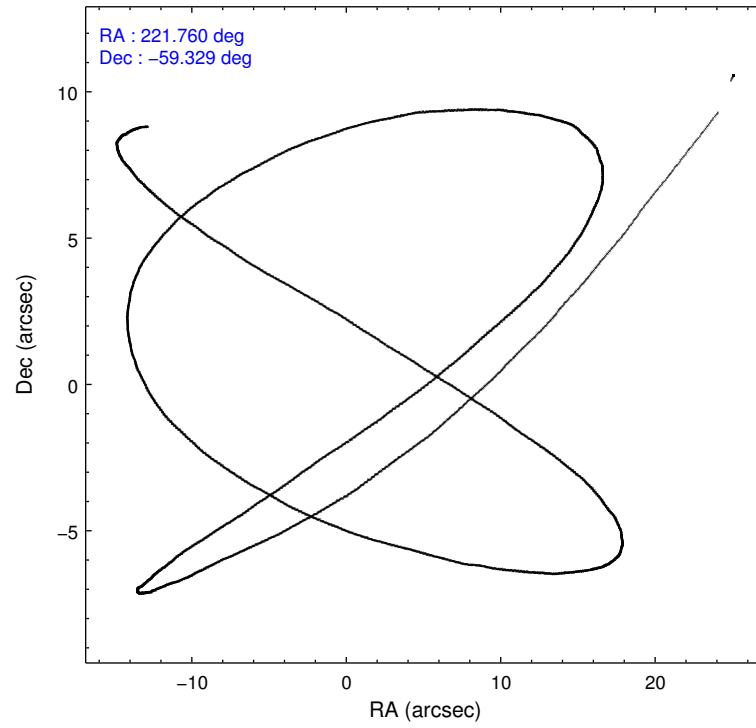
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15943	15905	23047	15048	20269	19093
rejected events	12576	12347	11226	11479	10752	13680
rejected %	78%	77%	48%	76%	53%	71%

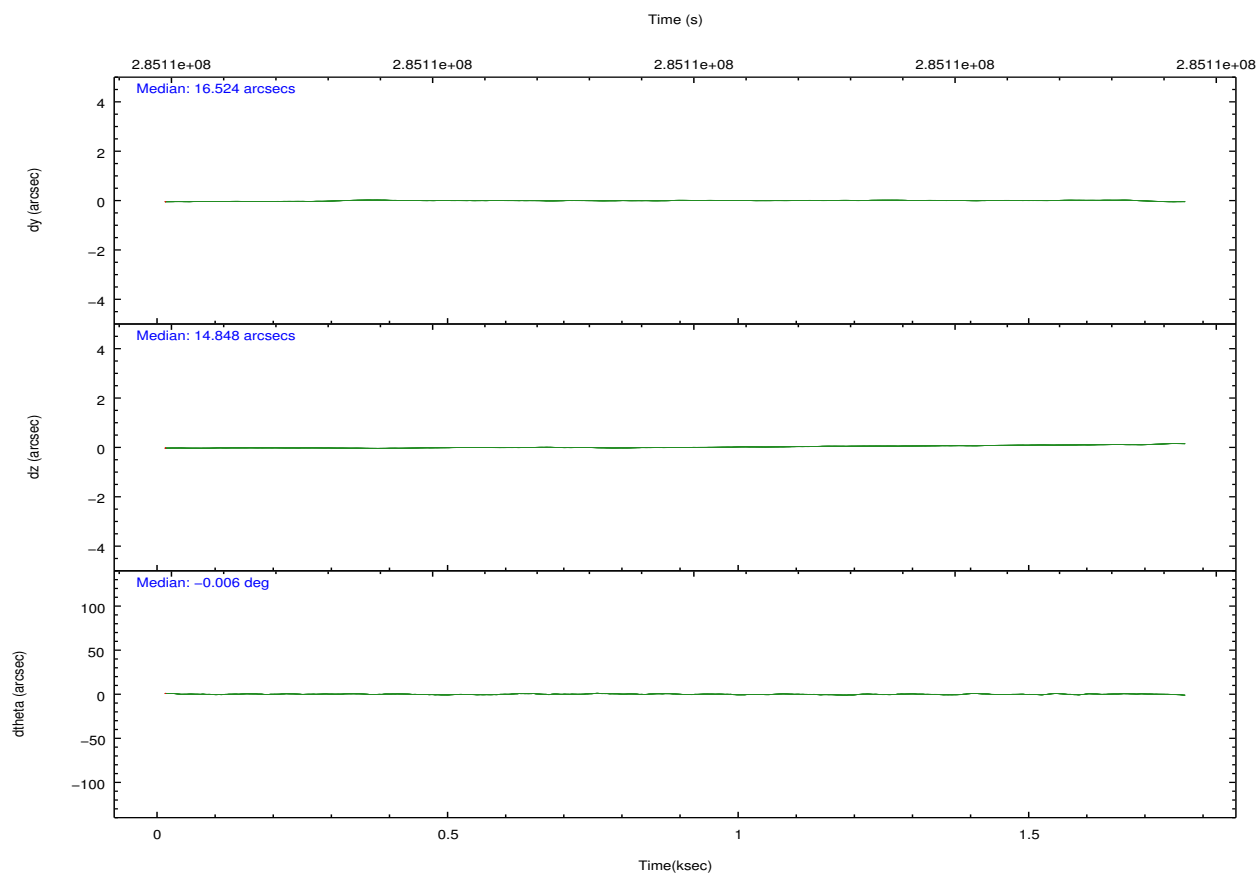
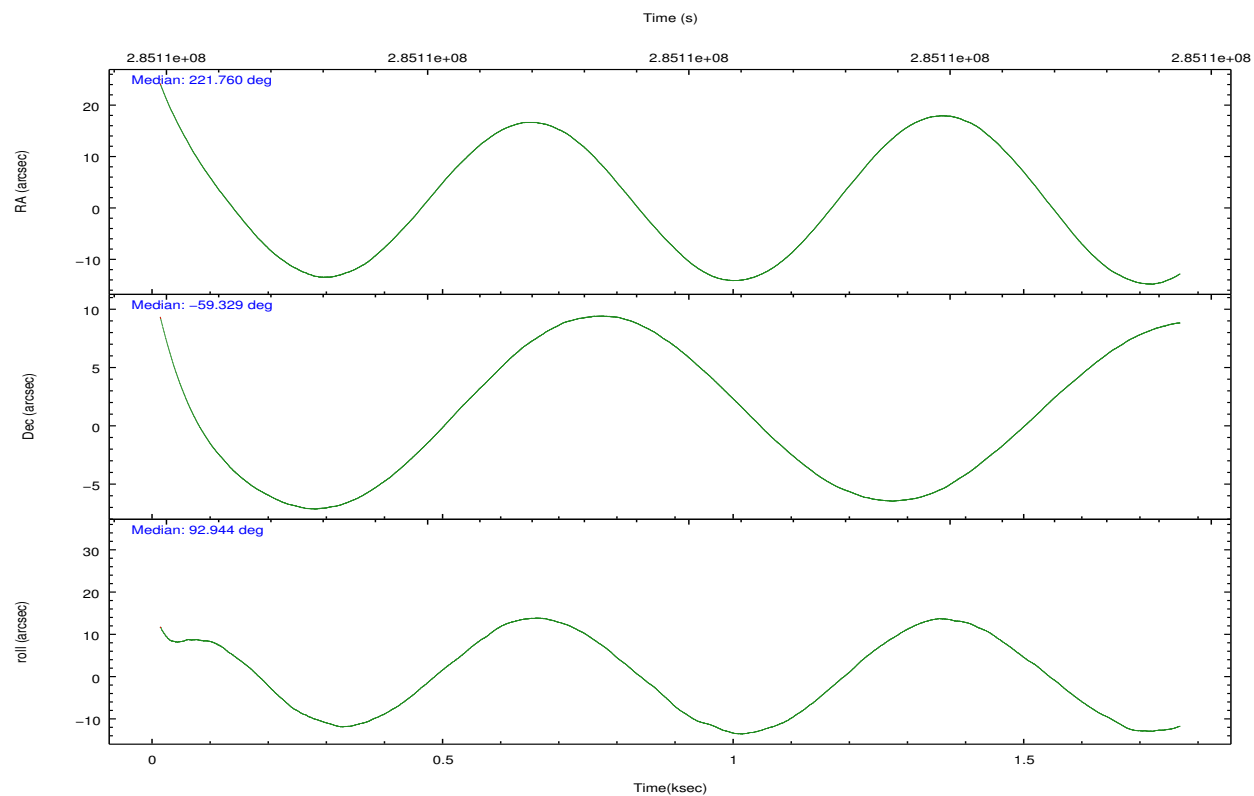
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1878	1946	1686	1722	980	2398
	11%	12%	7%	11%	4%	12%
grade 1 events	15	11	50	12	23	12
	0%	0%	0%	0%	0%	0%
grade 2 events	567	577	3656	682	1895	967
	3%	3%	15%	4%	9%	5%
grade 3 events	203	270	339	243	811	487
	1%	1%	1%	1%	4%	2%
grade 4 events	225	243	382	245	783	471
	1%	1%	1%	1%	3%	2%
grade 5 events	529	663	1424	646	1763	834
	3%	4%	6%	4%	8%	4%
grade 6 events	502	537	5785	686	5076	1104
	3%	3%	25%	4%	25%	5%
grade 7 events	12024	11658	9725	10812	8938	12820
	75%	73%	42%	71%	44%	67%

## 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	221.789897	221.759883221318	CCD I2 on	O2	Y
[deg] Pointing Dec	-59.351321	-59.3287576280643	CCD I3 on	O3	Y
[deg] Pointing Roll	92.817334	92.94805007403228	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	285111854.184000	285110856.57037	CCD S5 on	N	N
Observation start date	2007-01-13T21:43:09	2007-01-13T21:27:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	285113353.184000	285113569.23299	On-chip summing requested	N	N
Observation end date	2007-01-13T22:08:08	2007-01-13T22:12:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





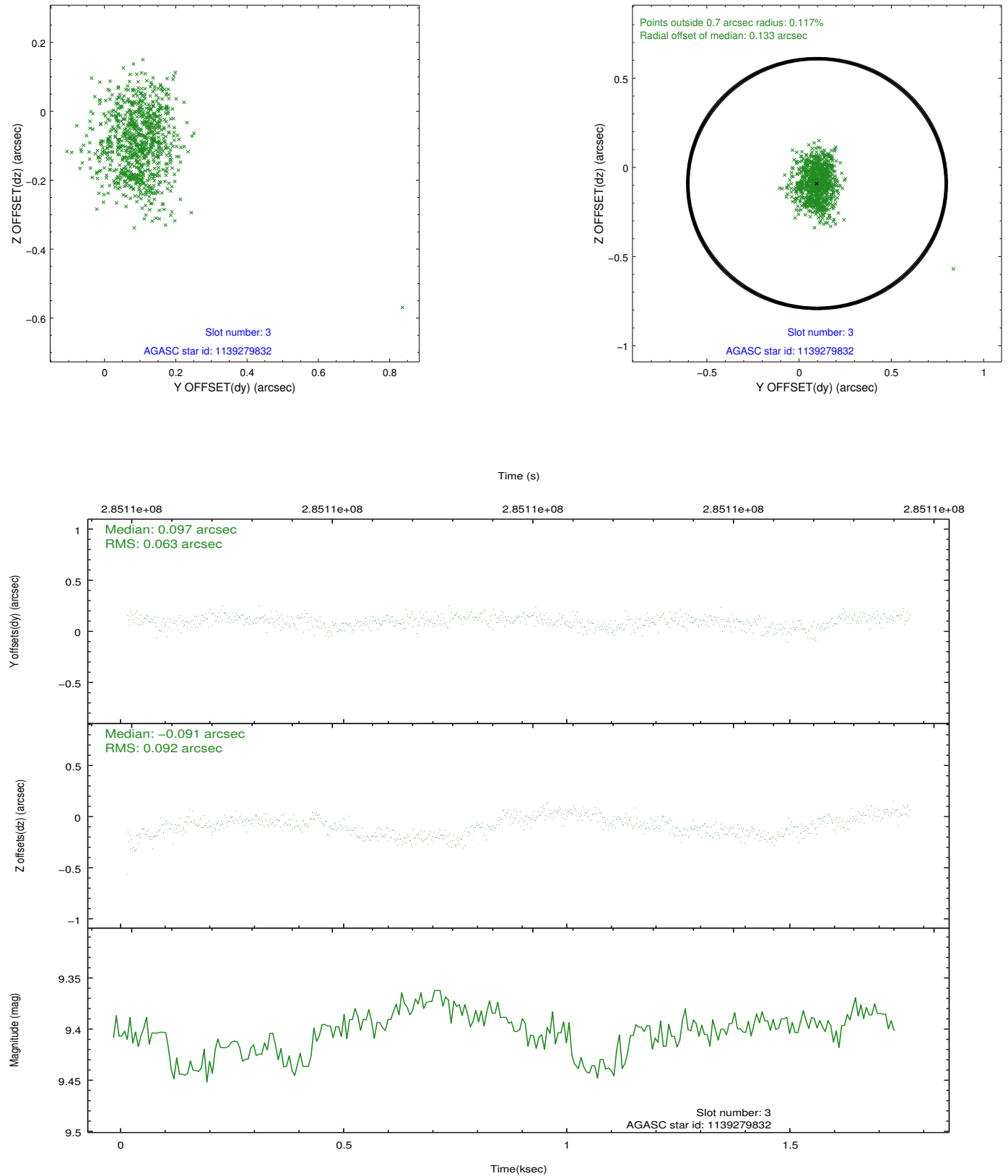
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	429	0.032	-0.041	0.007	0.013	0.000000	0.000000	926.54	-1731.86
1	FID	ACIS-S-4	7.20	429	0.143	0.018	0.006	0.010	0.000000	0.000000	2146.12	168.49
2	FID	ACIS-S-5	7.23	428	-0.202	0.036	0.006	0.013	0.000000	0.000000	-1817.76	166.32
3	GUIDE	1139279832	9.40	856	0.097	-0.091	0.116	0.182	221.627074	-59.779635	-1525.30	370.30
4	GUIDE	1139286992	8.87	857	-0.015	-0.099	0.066	0.109	220.957321	-58.793309	2072.18	1453.05
5	GUIDE	1139287584	6.42	857	-0.134	0.142	0.055	0.091	222.567043	-58.976748	1270.97	-1504.39
6	GUIDE	1139291160	8.45	856	-0.002	-0.001	0.065	0.105	222.064782	-59.190974	553.09	-536.58
7	GUIDE	1139289672	8.58	854	0.052	0.041	0.069	0.114	222.381681	-59.131816	732.17	-1130.20

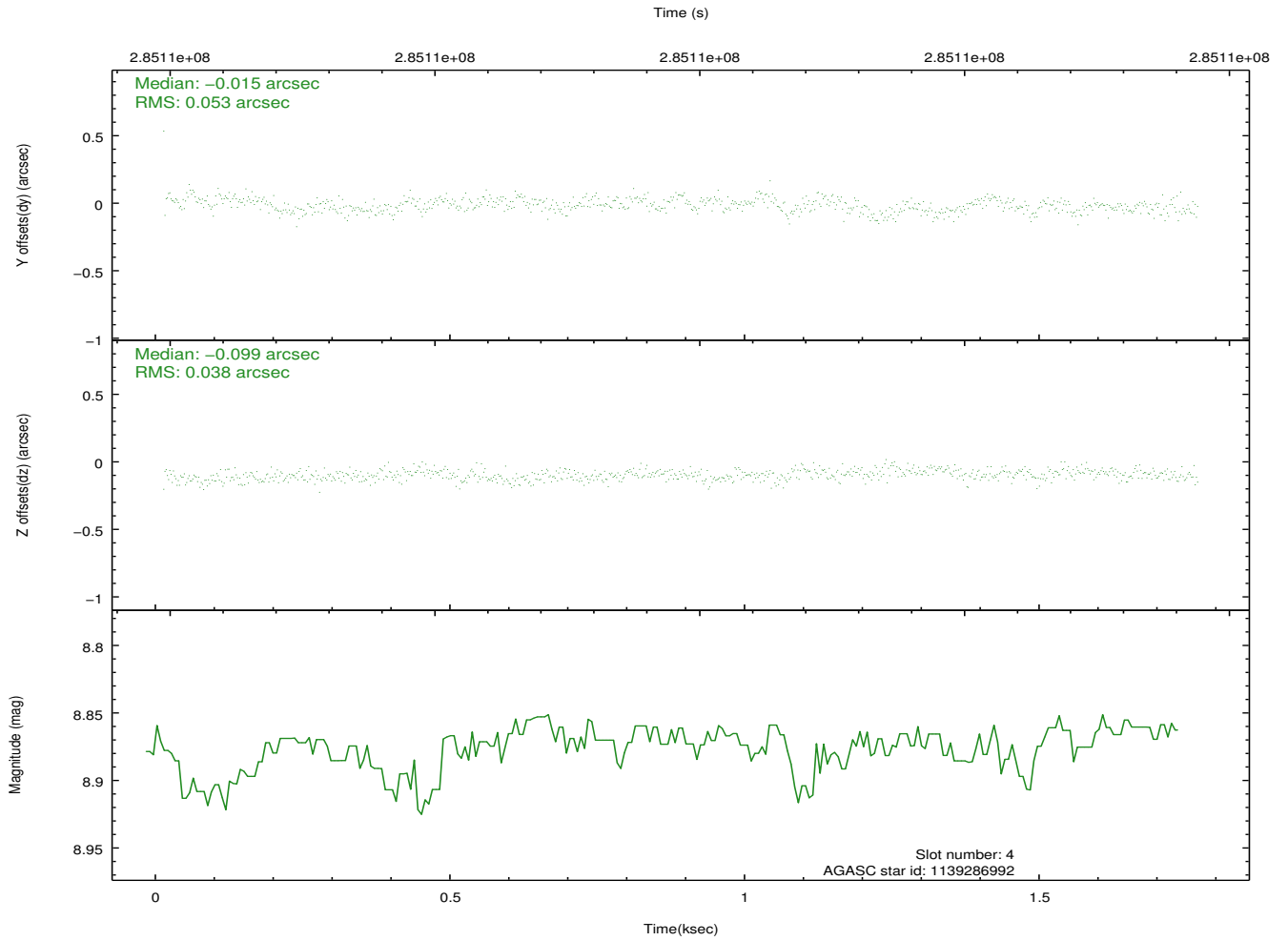
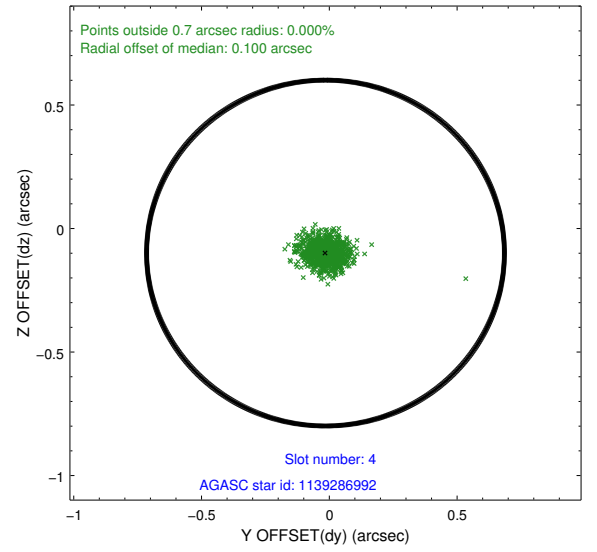
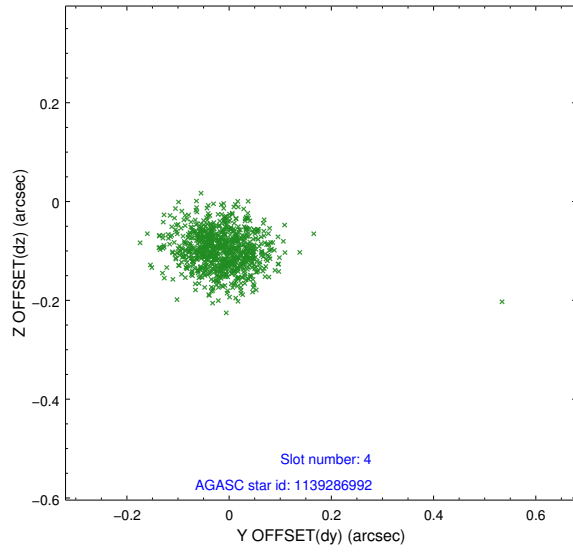


## 2.4 Star Slots

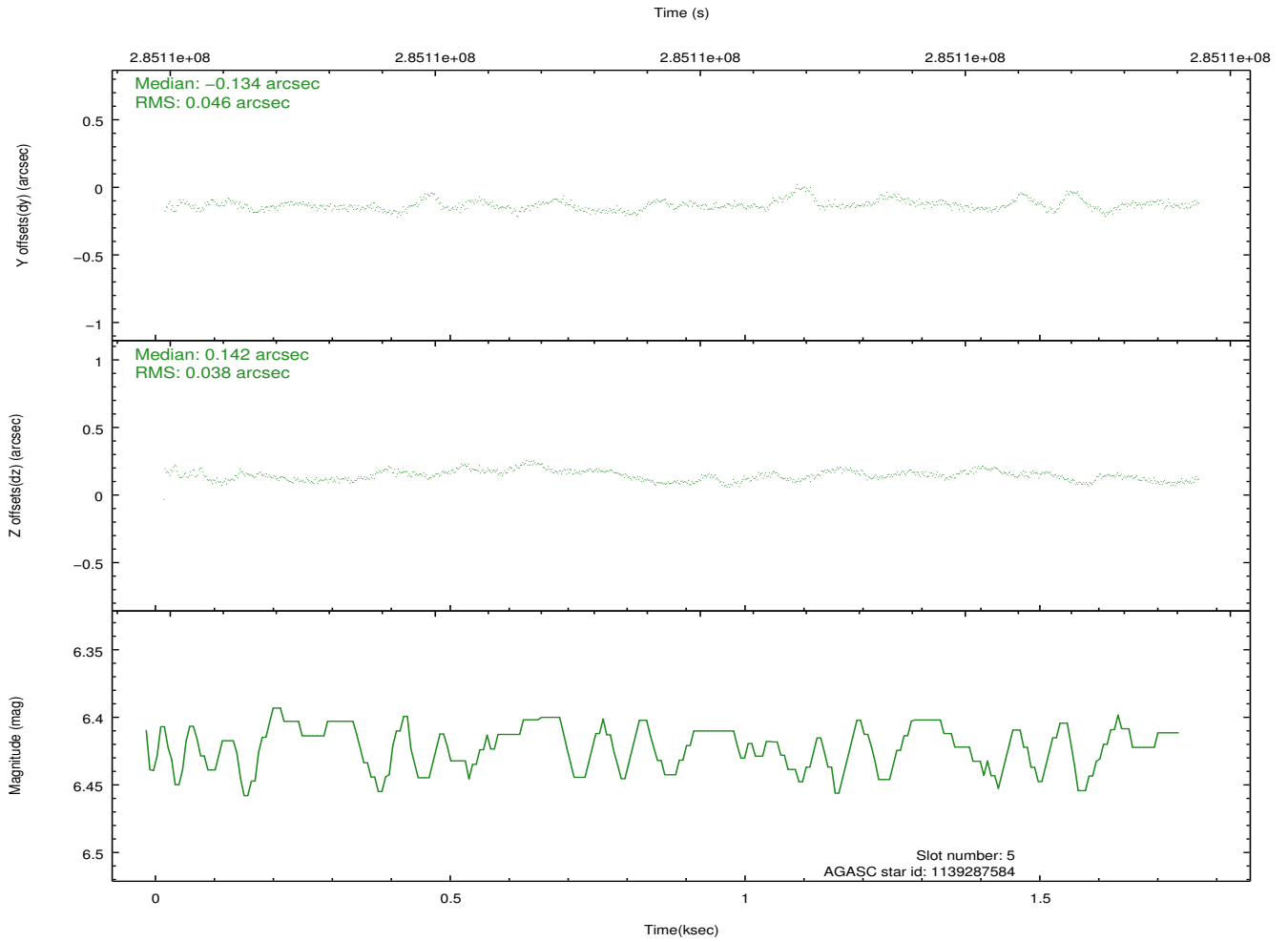
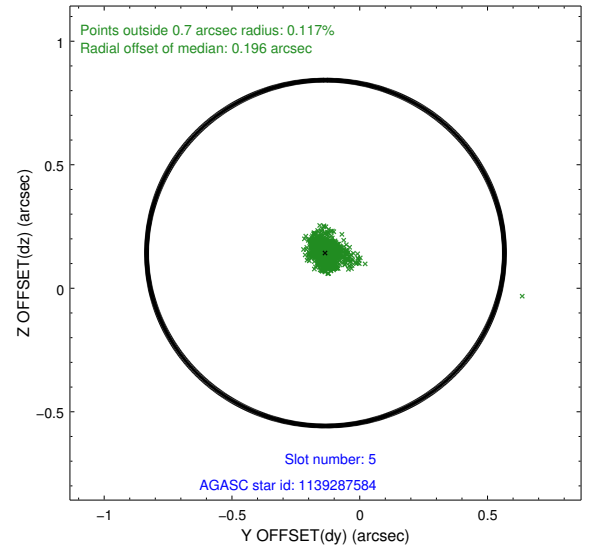
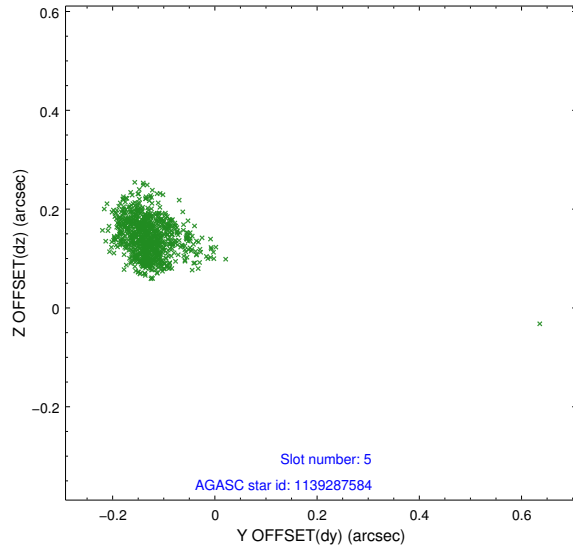
### 2.4.1 Slot 3



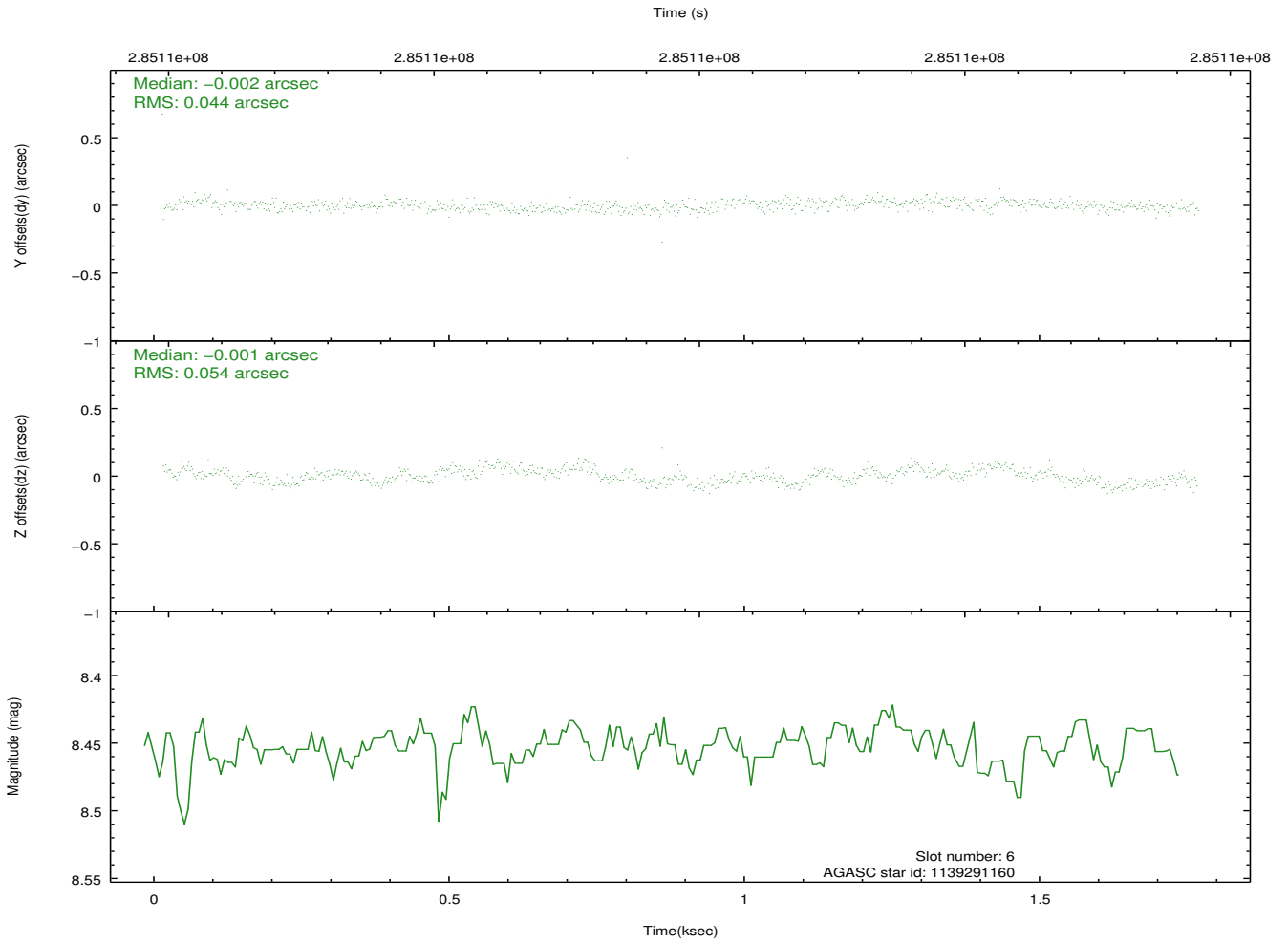
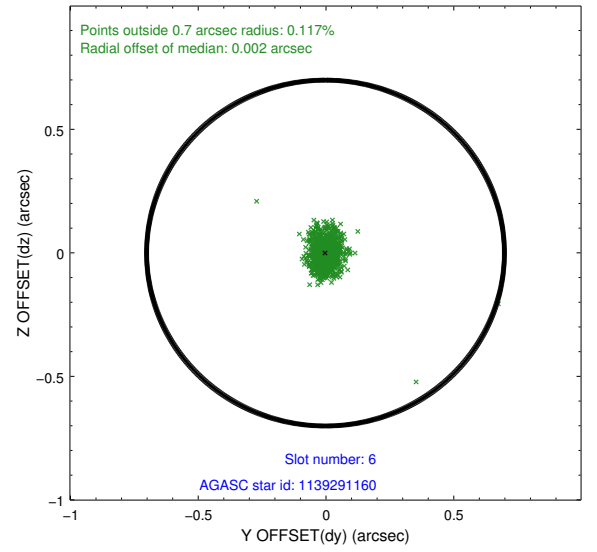
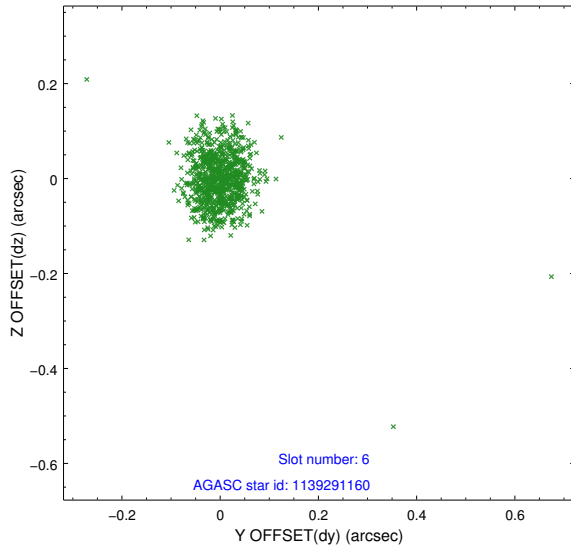
## 2.4.2 Slot 4



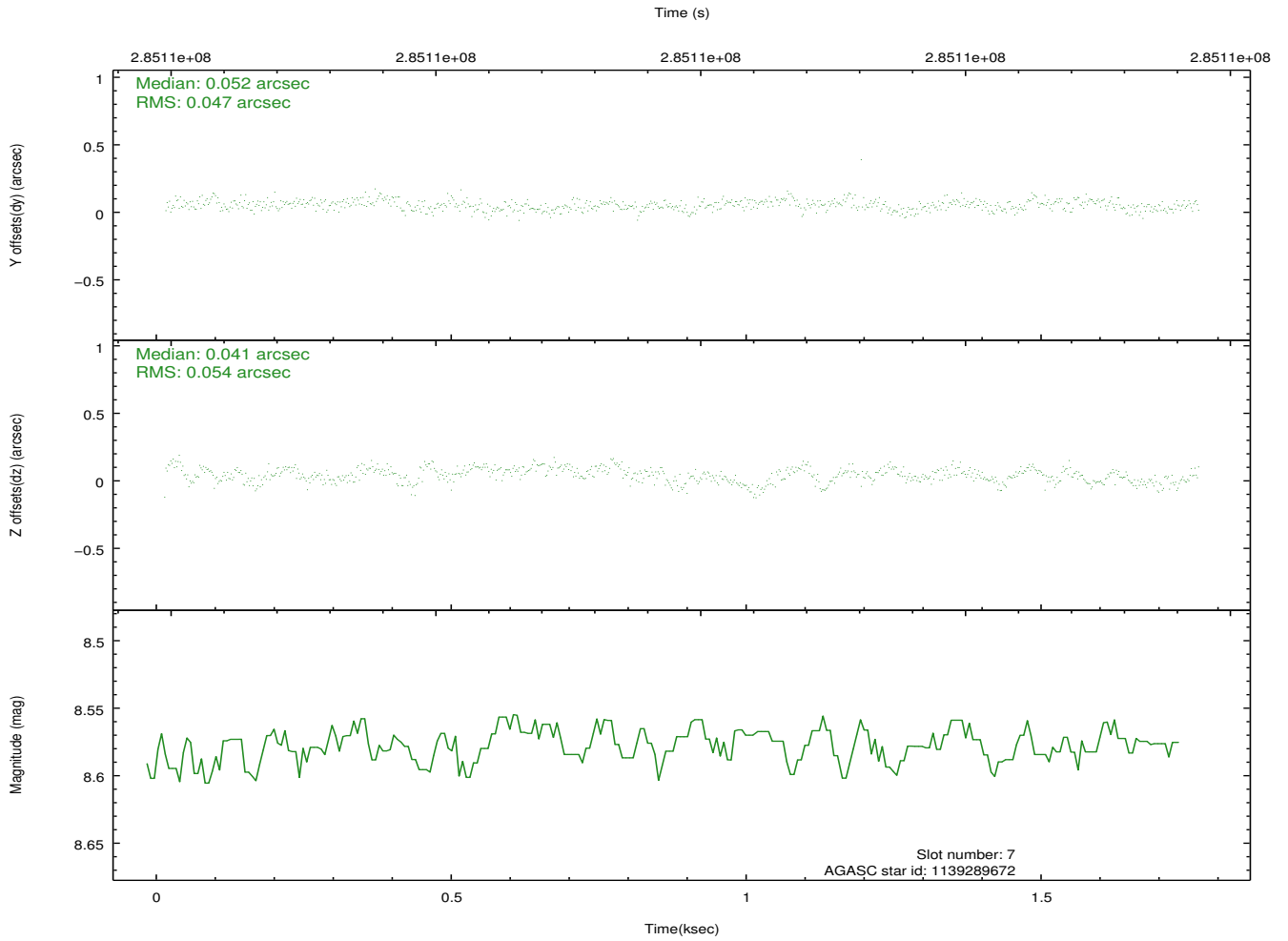
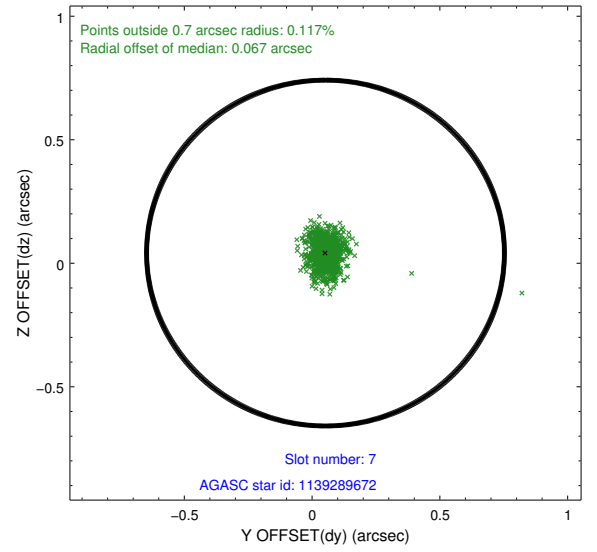
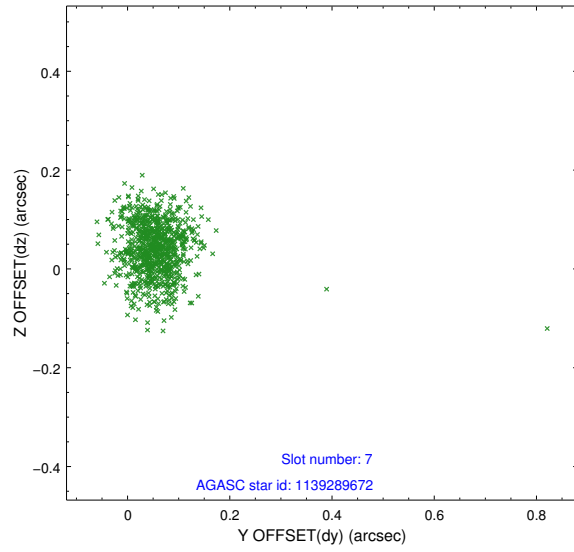
### 2.4.3 Slot 5



## 2.4.4 Slot 6

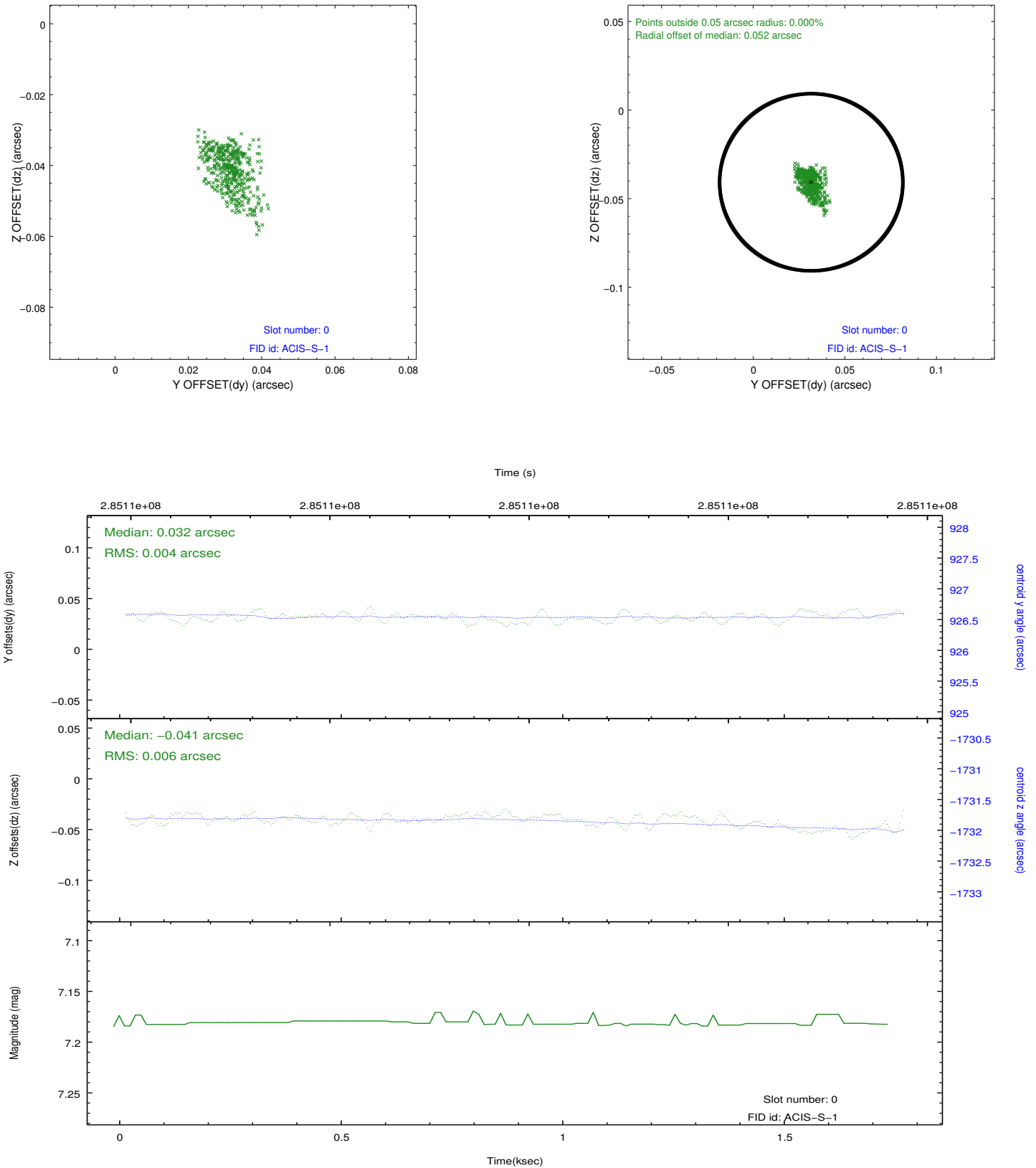


## 2.4.5 Slot 7

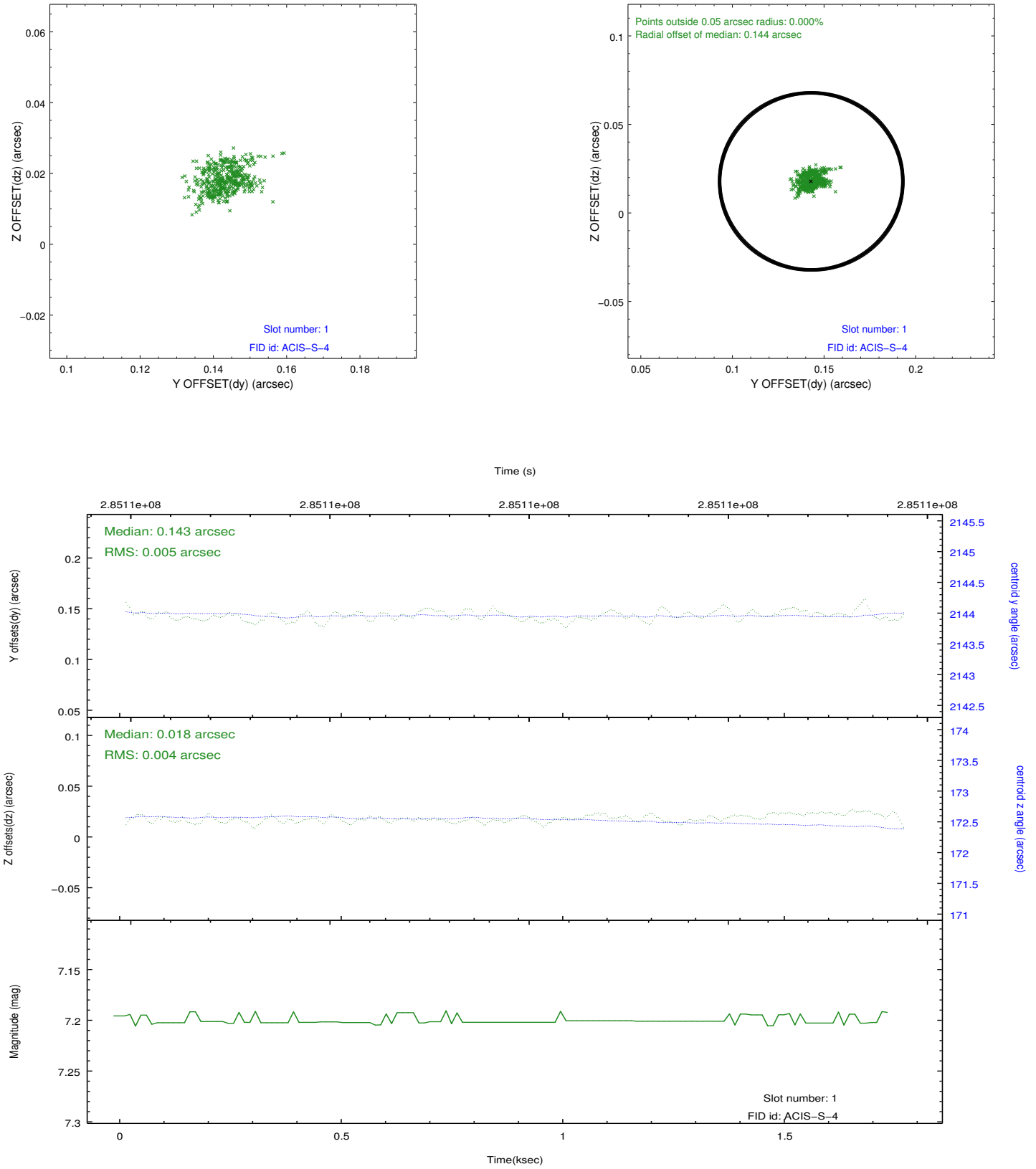


## 2.5 FID Slots

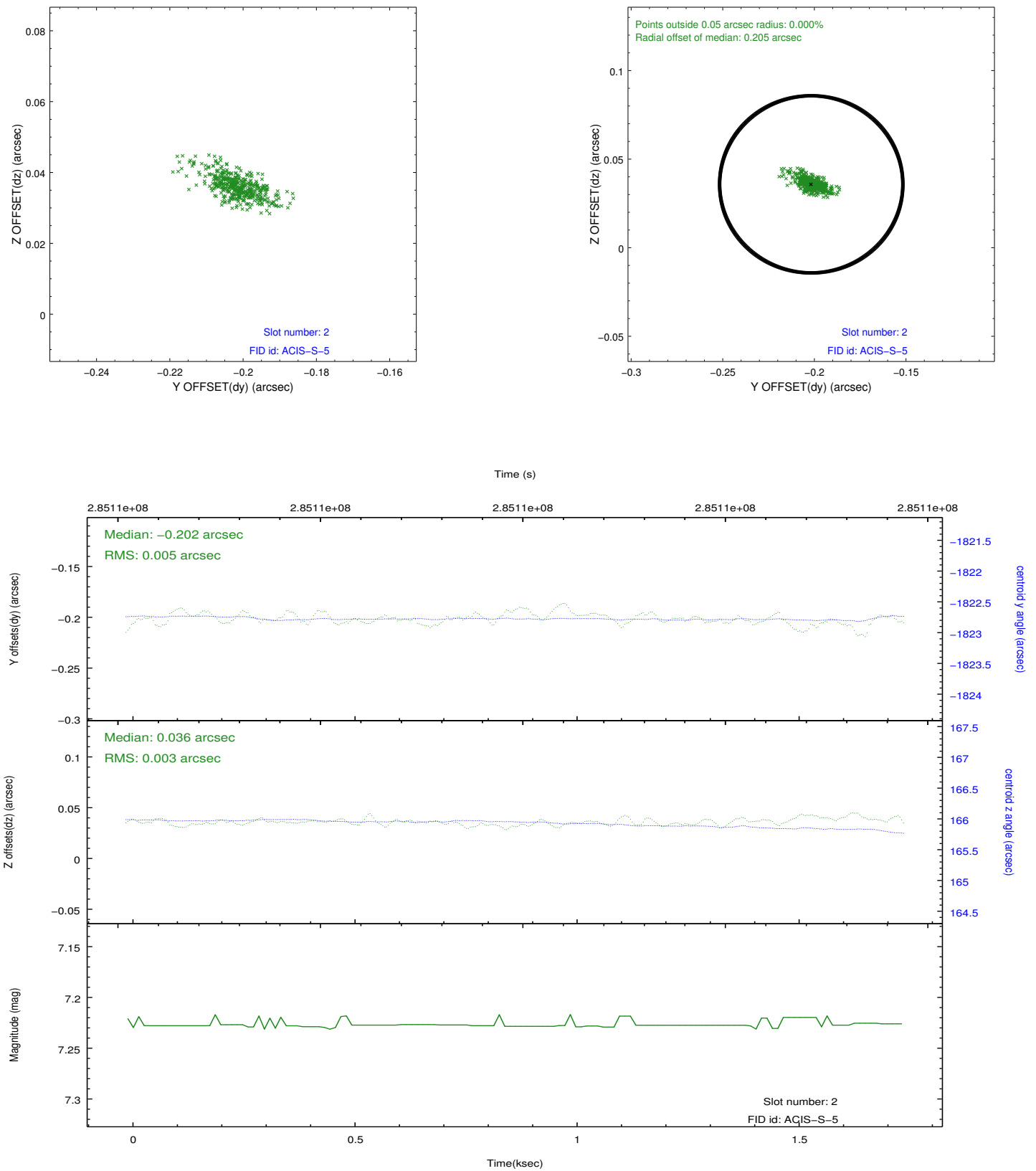
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.45279999

### A.2 Comments