

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7530 - L2 Version 2  
Chandra X-Ray Center

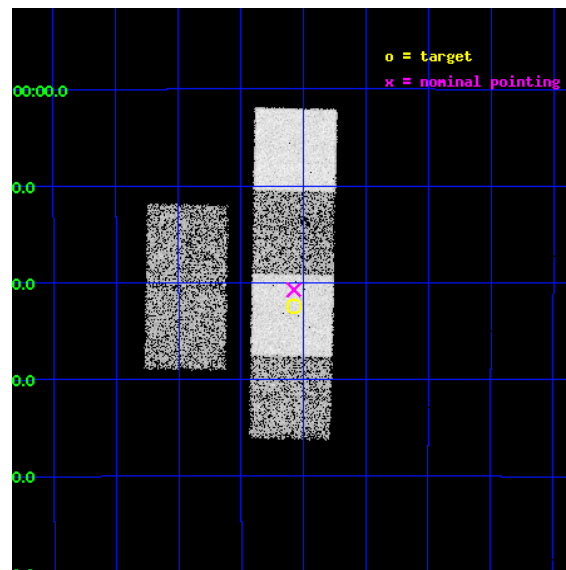
L2 Processing Date : May 9 2012

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# 1 Front

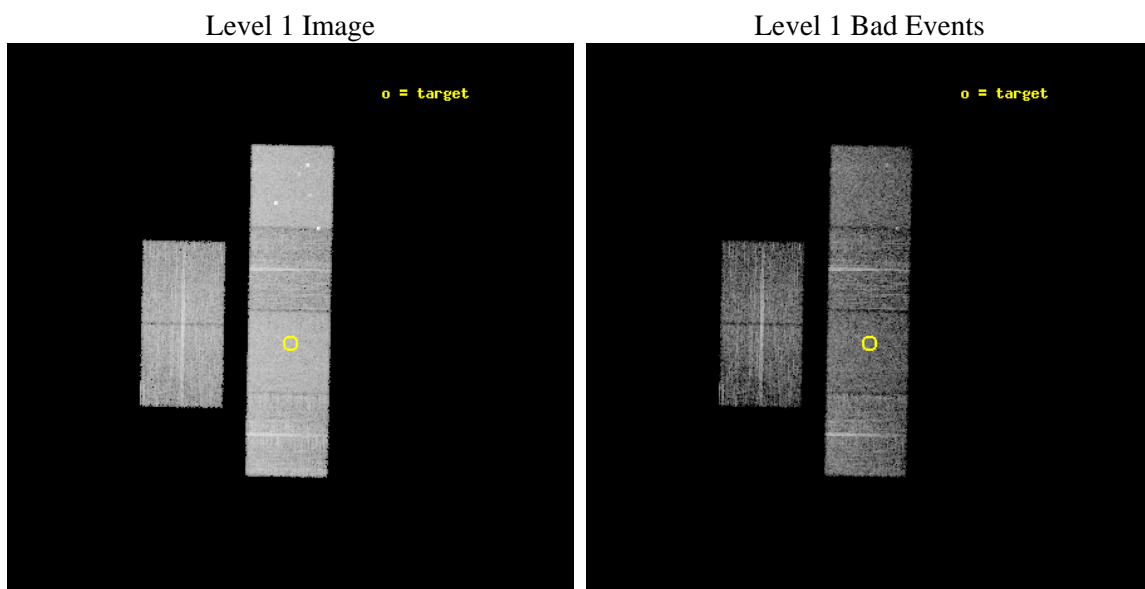
seq_num	400640	Sequence number
obs_id	7530	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17285-2922	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.143	Observer's specified target RA [deg]
dec_targ	-29.375	Observer's specified target Dec [deg]
ra_nom	262.14425379109	Nominal RA [deg]
dec_nom	-29.345822276426	Nominal Dec [deg]
roll_nom	91.053904243183	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4756.9187375307	Sum of GTIs [s]
livetime	4696.6837682035	Livetime [s]
ontime2	4756.959777534	Sum of GTIs [s]
ontime3	4756.7956175208	Sum of GTIs [s]
ontime5	4756.8776975274	Sum of GTIs [s]
ontime6	4756.8366575241	Sum of GTIs [s]
ontime7	4756.9187375307	Sum of GTIs [s]
ontime8	4753.5135175586	Sum of GTIs [s]
l2events	79424	Number of level 2 events



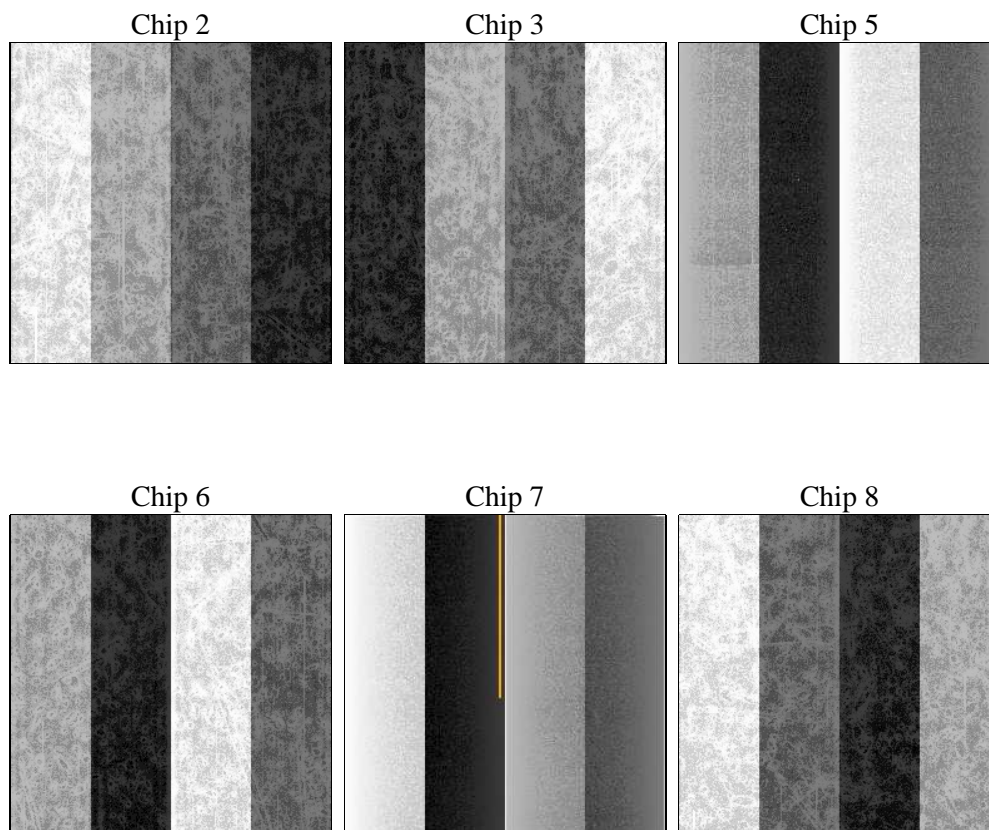
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4756.9187375307	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	4756.959777534	Sum of GTIs [s]
date	2012-05-09T04:10:55	Date and time of file creation	ontime3	4756.7956175208	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4756.8776975274	Sum of GTIs [s]
			ontime6	4756.8366575241	Sum of GTIs [s]
			ontime7	4756.9187375307	Sum of GTIs [s]
			ontime8	4753.5135175586	Sum of GTIs [s]
			l1events	334368	Number of level 1 events

### 2.1.4 Events

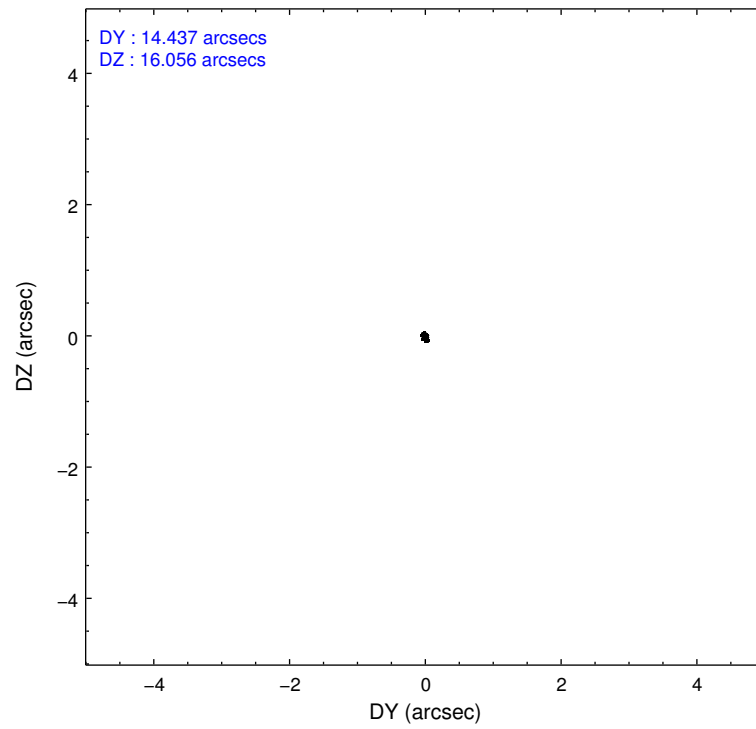
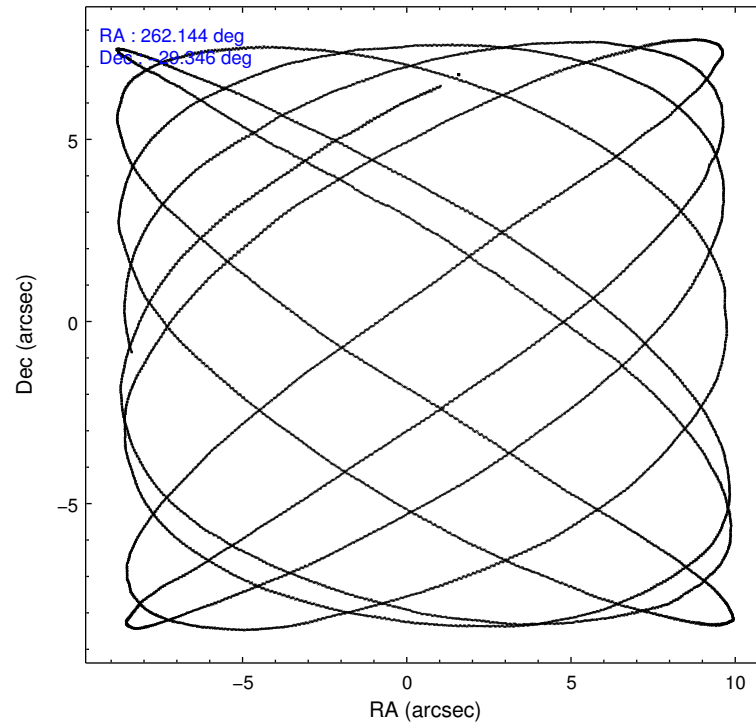
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	45450	44378	72434	45843	64367	61896	grade 0 events	2929	2666	3595	2544	2542	4711
rejected events	39319	38566	38588	39756	37056	48084		6%	6%	4%	5%	3%	7%
rejected %	86%	86%	53%	86%	57%	77%	grade 1 events	34	29	163	28	74	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	1210	1068	10519	1347	5604	3132
								2%	2%	14%	2%	8%	5%
							grade 3 events	530	545	1203	501	2355	1331
								1%	1%	1%	1%	3%	2%
							grade 4 events	535	534	1203	580	2274	1245
								1%	1%	1%	1%	3%	2%
							grade 5 events	1845	2082	4953	2120	5889	2728
								4%	4%	6%	4%	9%	4%
							grade 6 events	931	1006	17355	1118	14551	3398
								2%	2%	23%	2%	22%	5%
							grade 7 events	37436	36448	33443	37605	31078	45292
								82%	82%	46%	82%	48%	73%

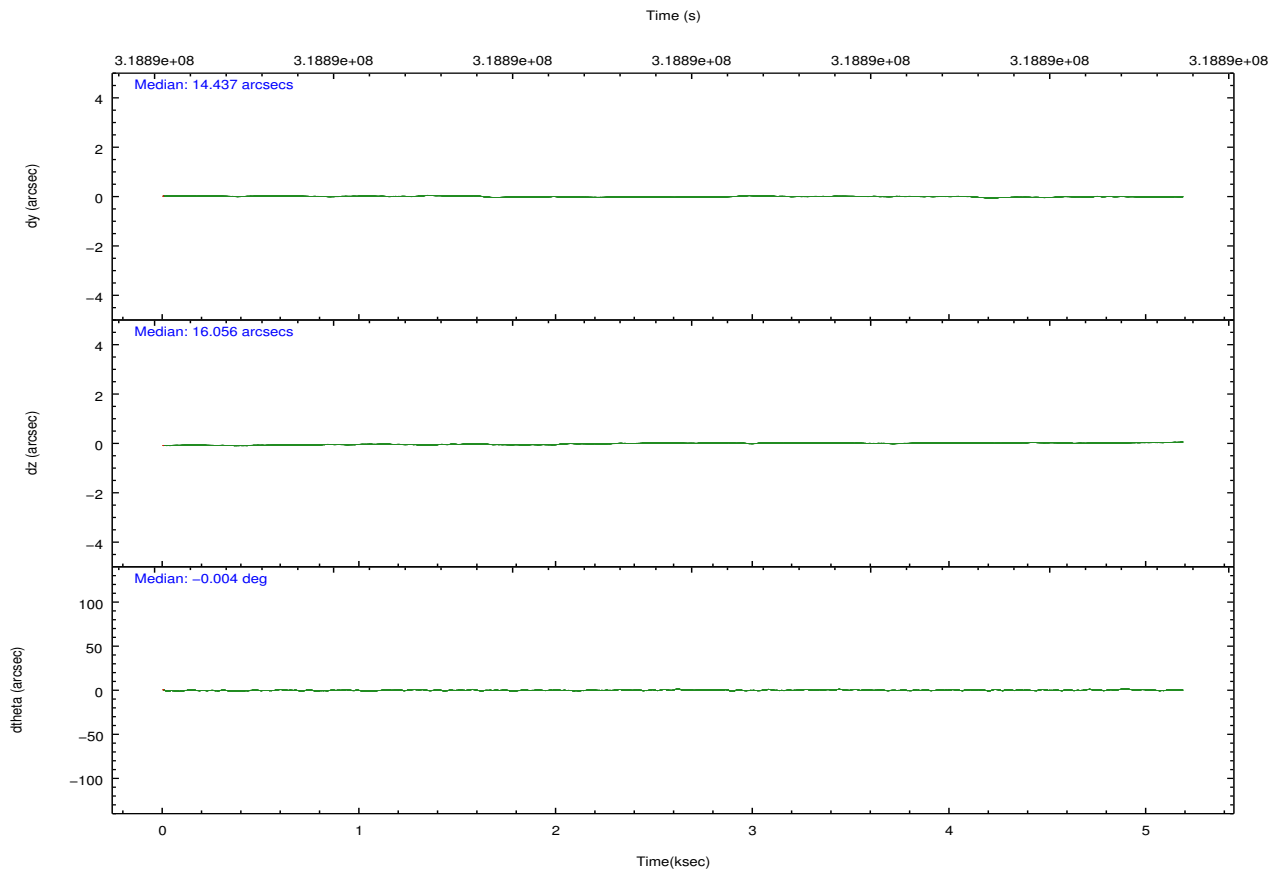
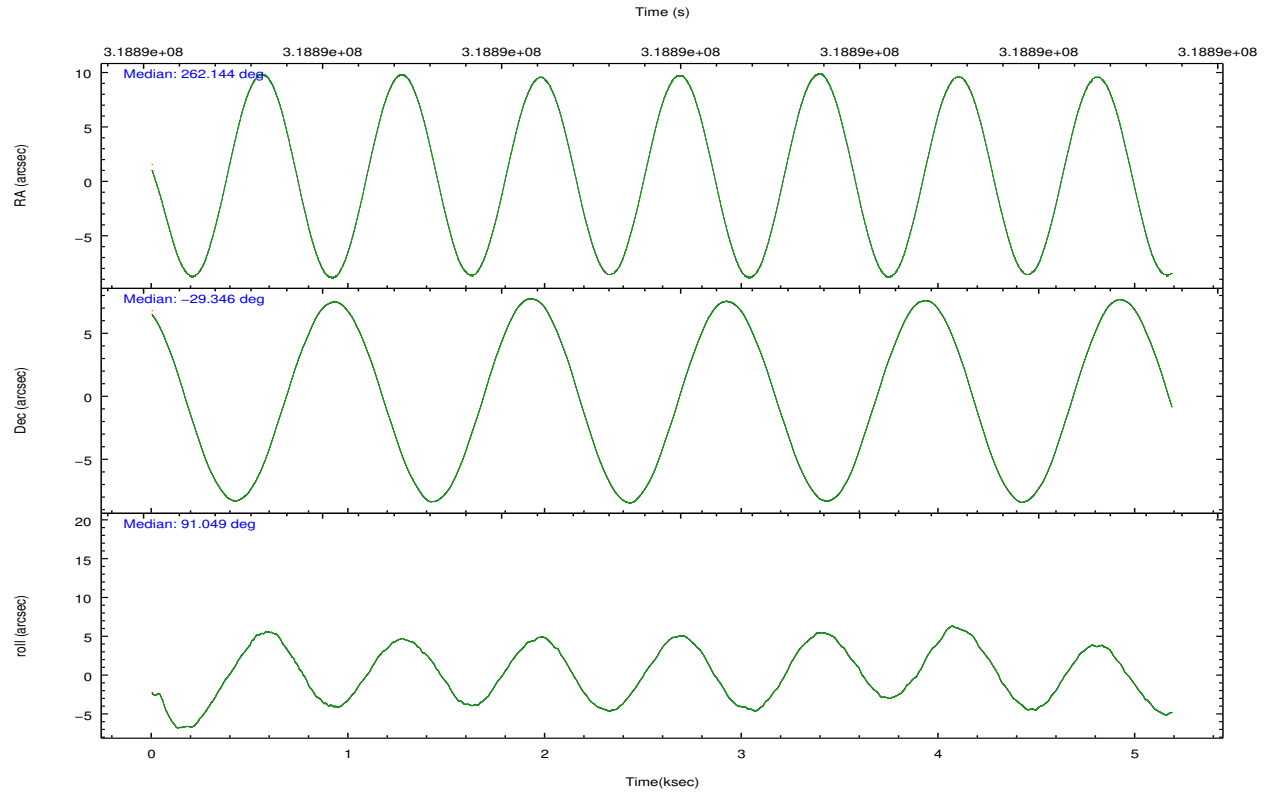


## 2.2 Compared Parameters

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	262.160870	262.1442537910906	CCD I2 on	O2	Y
[deg] Pointing Dec	-29.369084	-29.34582227642622	CCD I3 on	Y	Y
[deg] Pointing Roll	90.905429	91.05390424318304	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	Y	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	Y	Y
[s] Observation start time (MET)	318886493.184000	318886025.76543	CCD S5 on	N	N
Observation start date	2008-02-08T19:33:48	2008-02-08T19:27:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318891493.184000	318892869.17826	On-chip summing requested	N	N
Observation end date	2008-02-08T20:57:08	2008-02-08T21:21:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



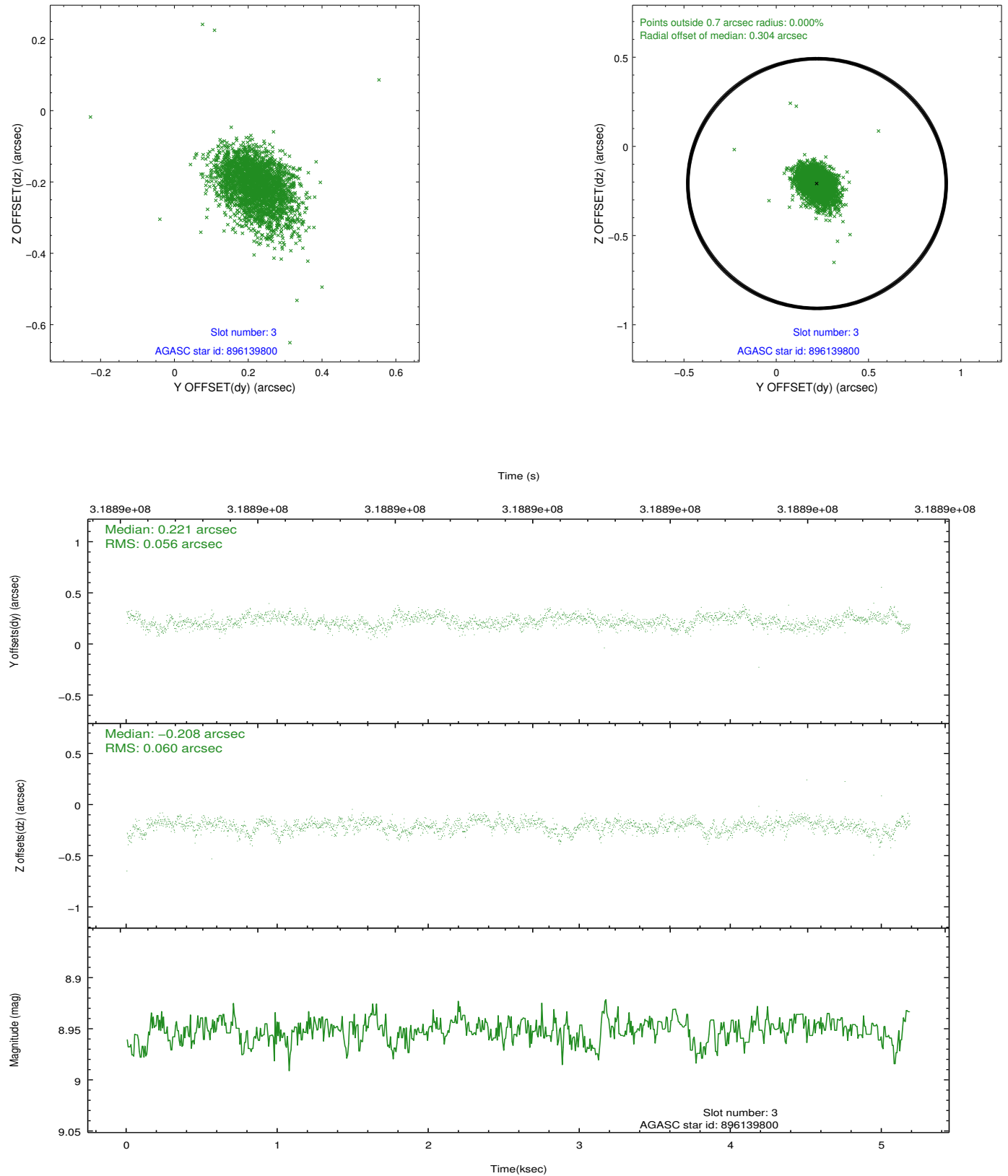


### Slot Statistics

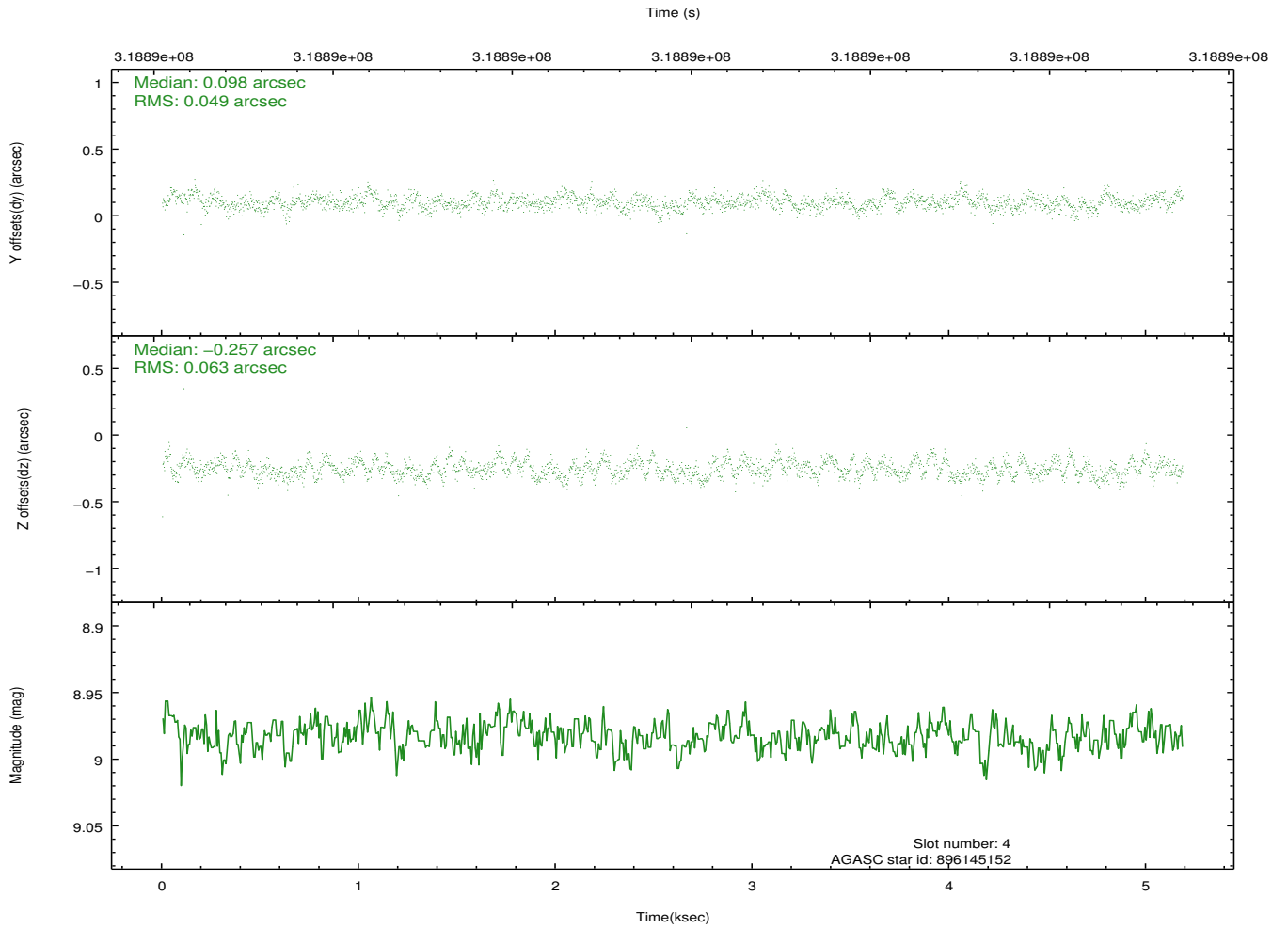
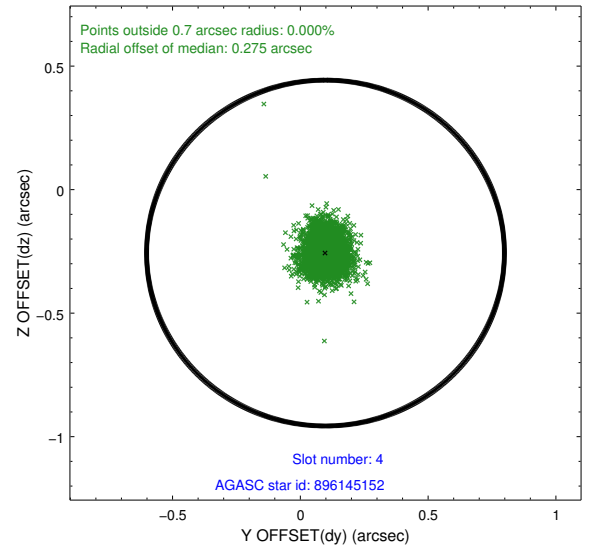
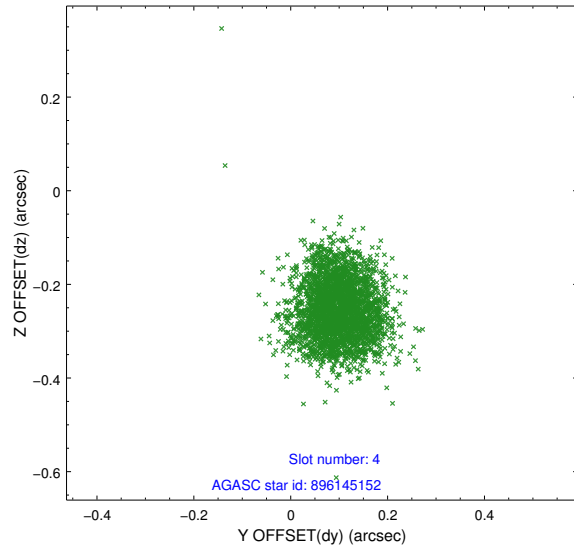
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1265	-0.072	-0.024	0.007	0.012	0.000000	0.000000	-767.46	-1737.47
1	FID	ACIS-S-4	7.18	1265	0.183	0.041	0.006	0.012	0.000000	0.000000	2145.54	169.86
2	FID	ACIS-S-5	7.22	1265	-0.142	-0.008	0.007	0.013	0.000000	0.000000	-1818.88	164.82
3	GUIDE	896139800	8.95	2528	0.221	-0.208	0.084	0.140	261.513640	-29.804239	-1540.14	2046.02
4	GUIDE	896145152	8.98	2529	0.098	-0.257	0.084	0.131	261.419464	-29.551304	-627.81	2332.56
5	GUIDE	896271800	9.02	2529	0.184	0.391	0.073	0.115	262.457136	-29.780549	-1496.97	-901.11
6	GUIDE	896273680	8.21	2528	-0.365	0.131	0.055	0.091	261.818769	-28.770160	2170.23	1045.28
7	GUIDE	896275176	7.80	2528	-0.142	-0.058	0.055	0.087	262.150337	-29.127139	872.05	19.70

## 2.4 Star Slots

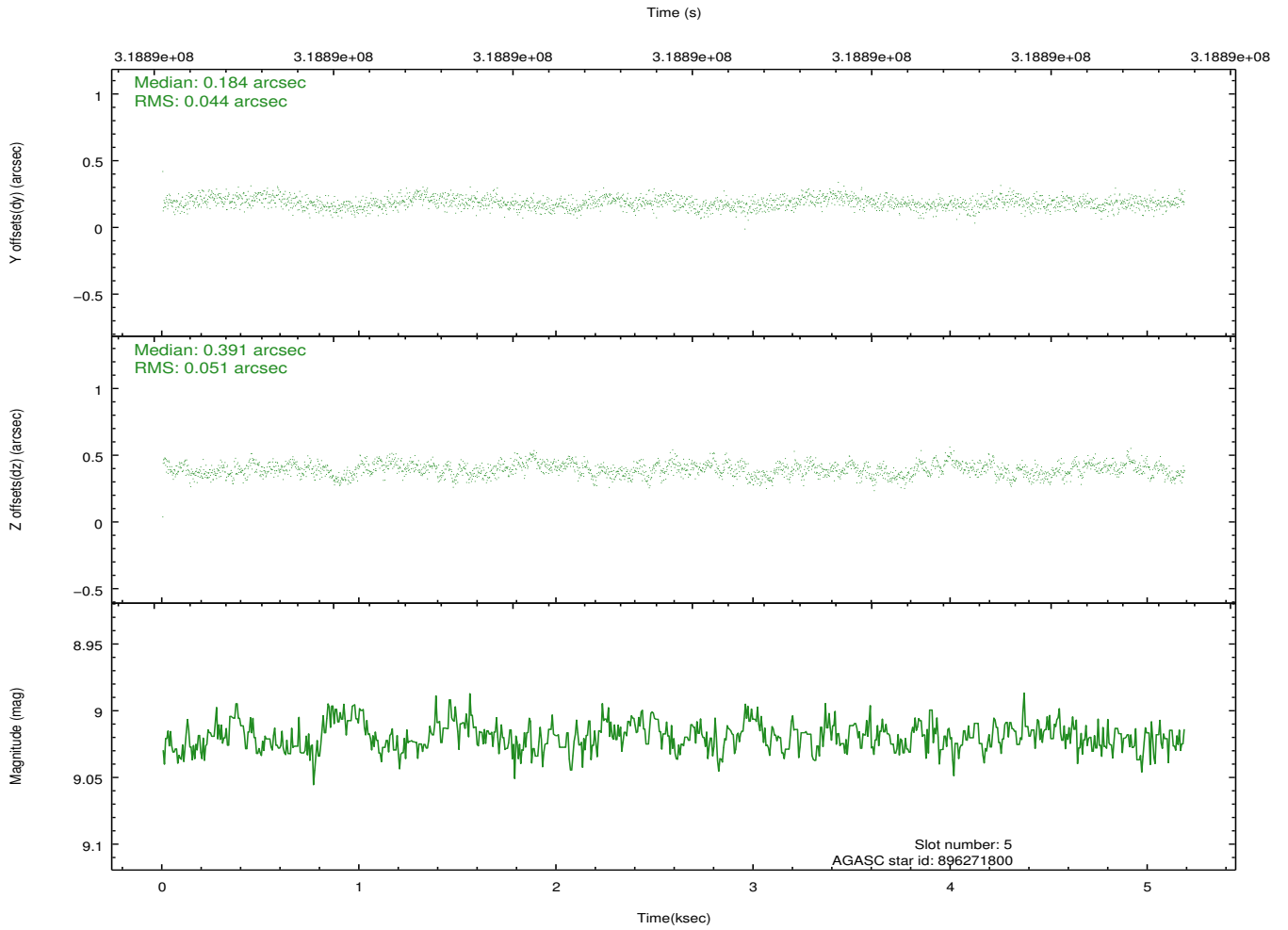
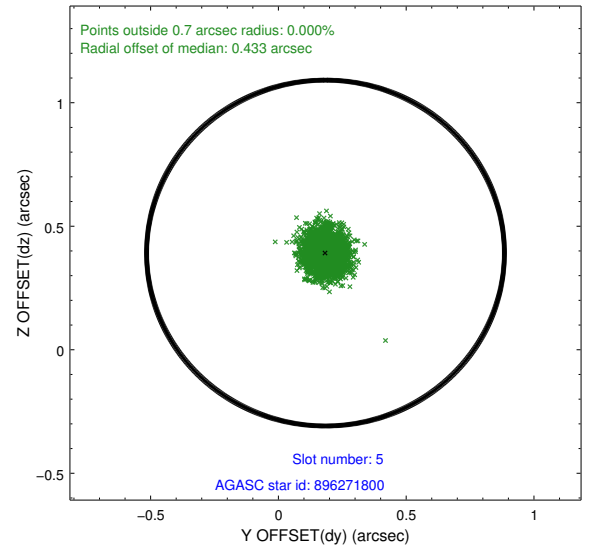
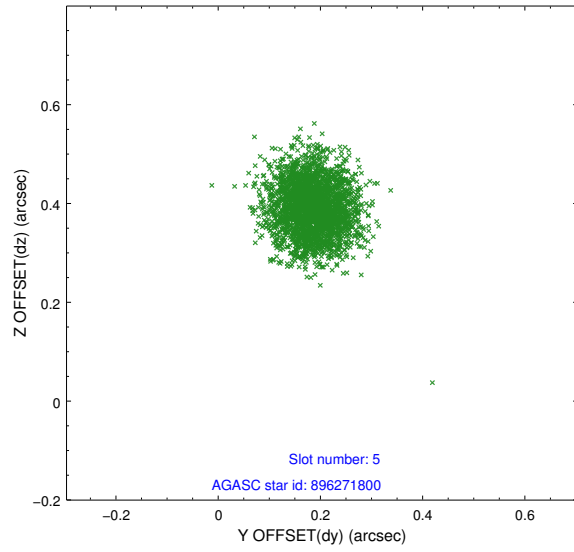
### 2.4.1 Slot 3



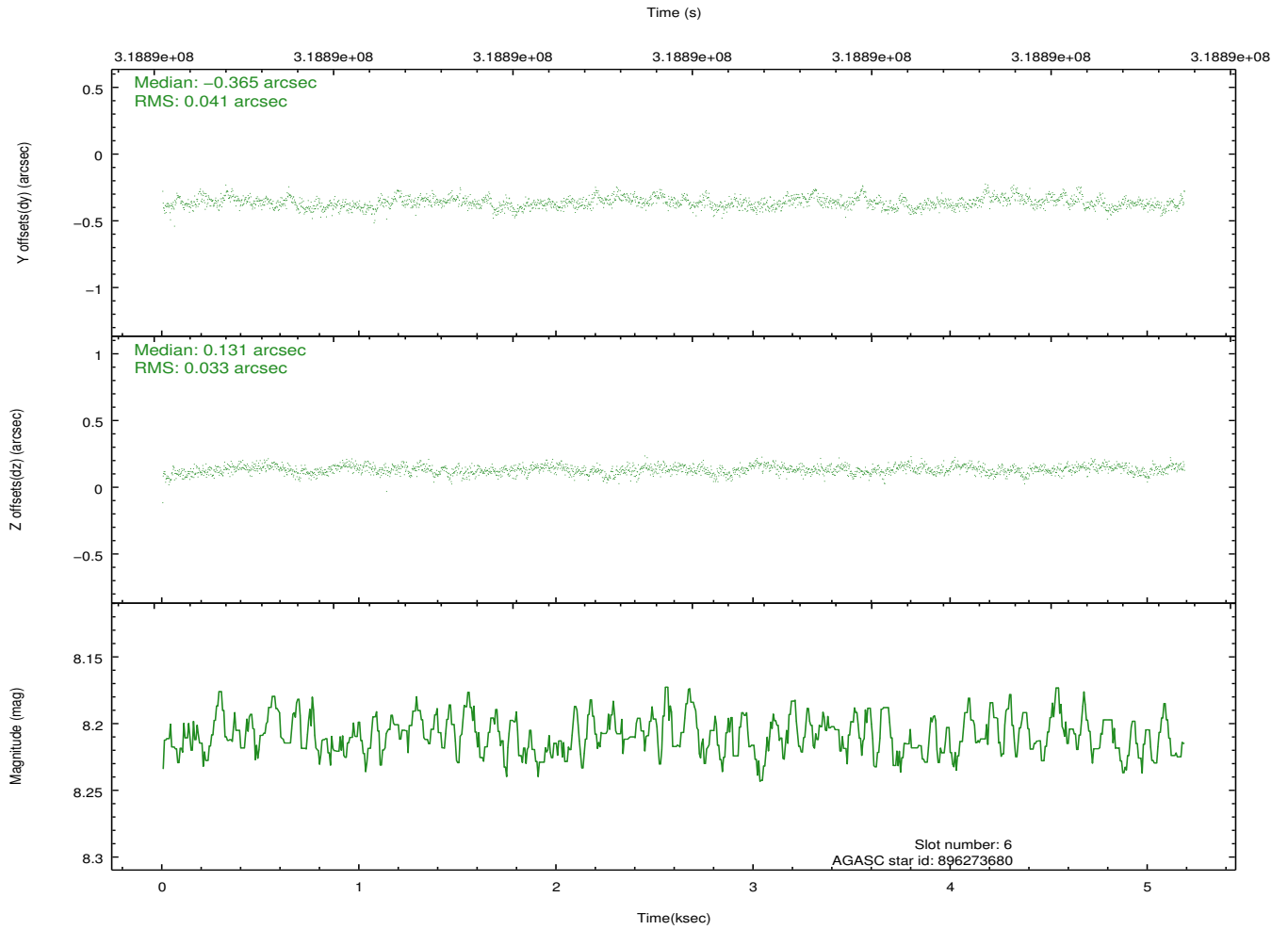
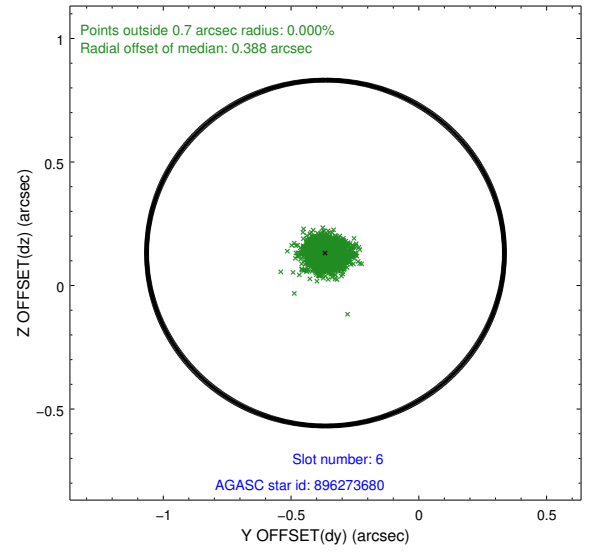
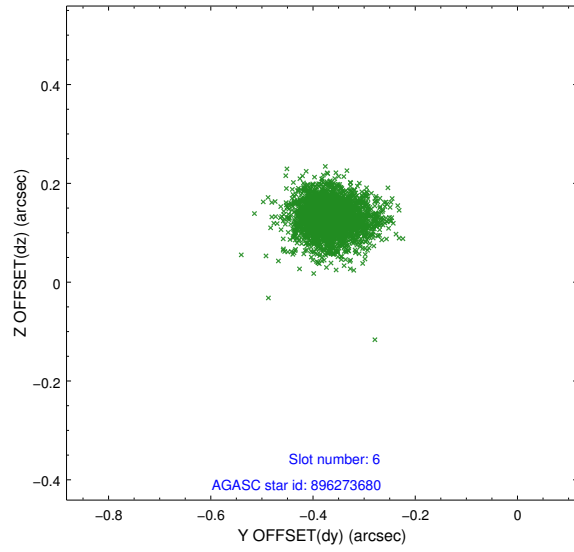
## 2.4.2 Slot 4



### 2.4.3 Slot 5

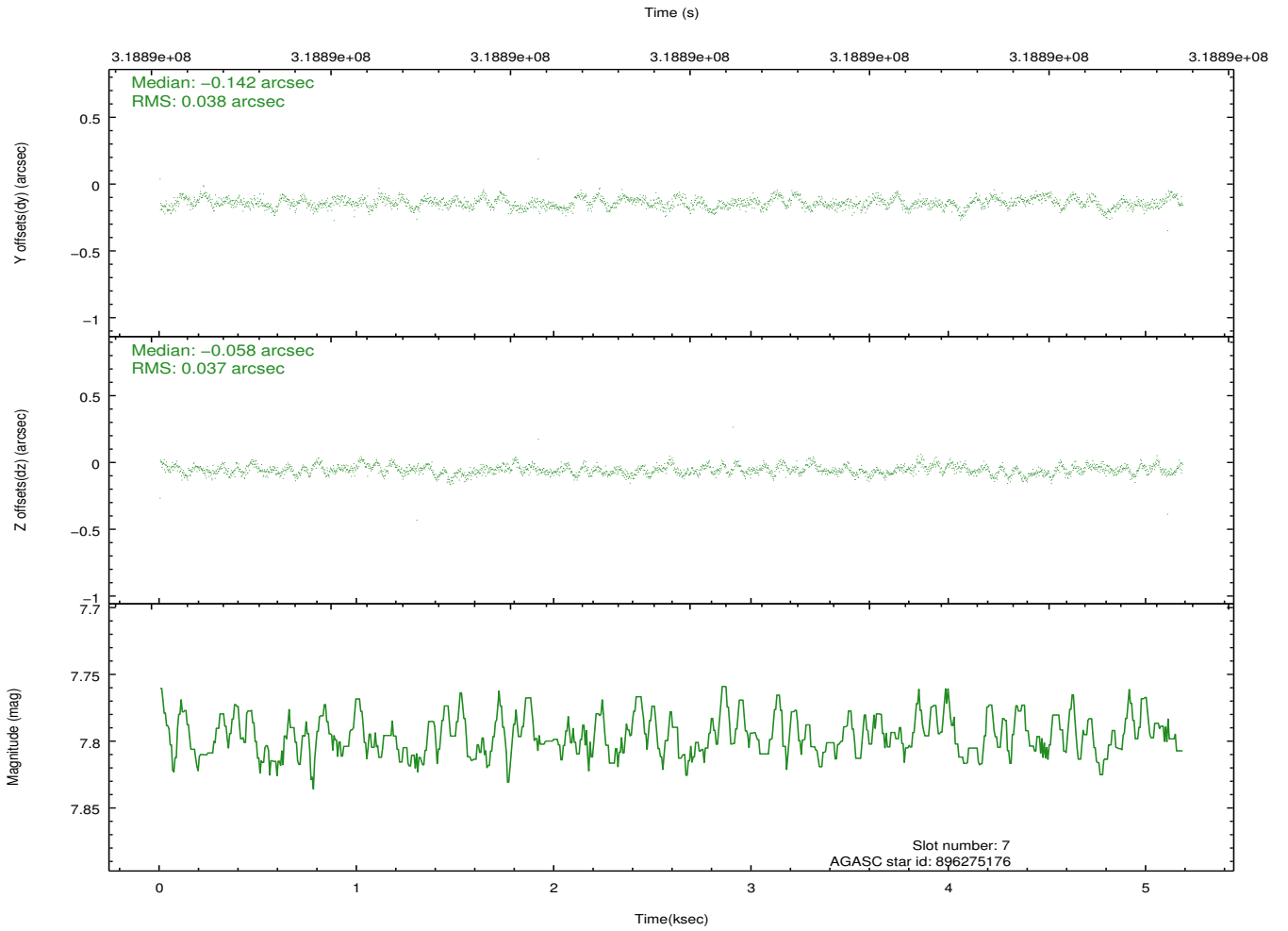
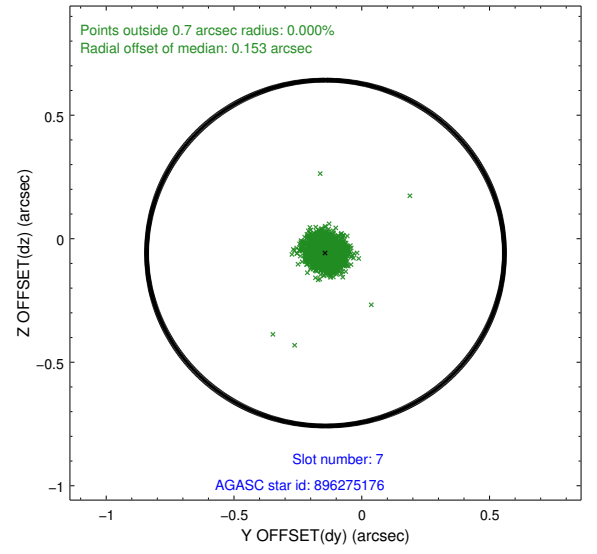
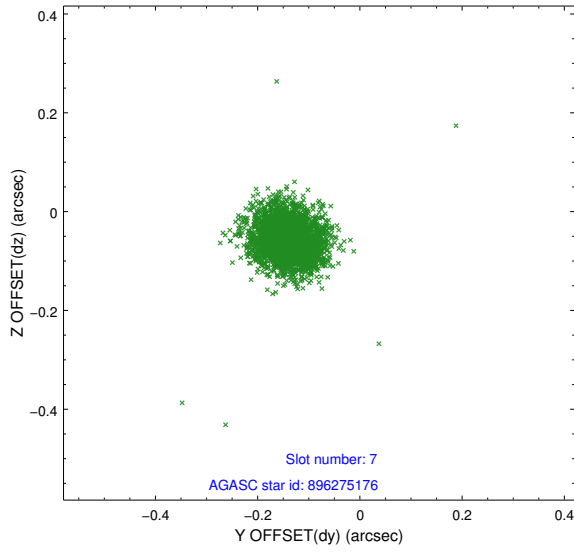


## 2.4.4 Slot 6



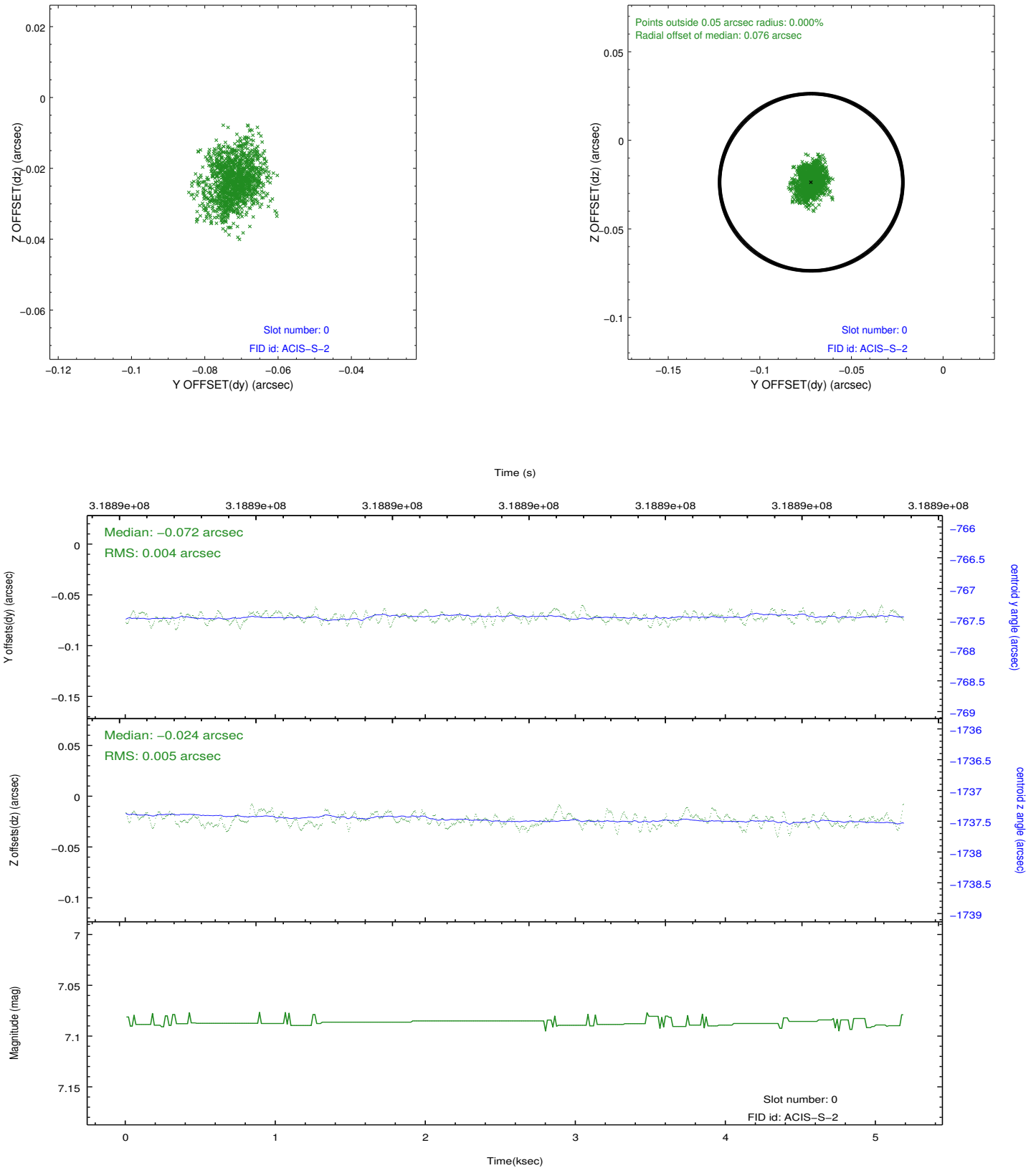


## 2.4.5 Slot 7

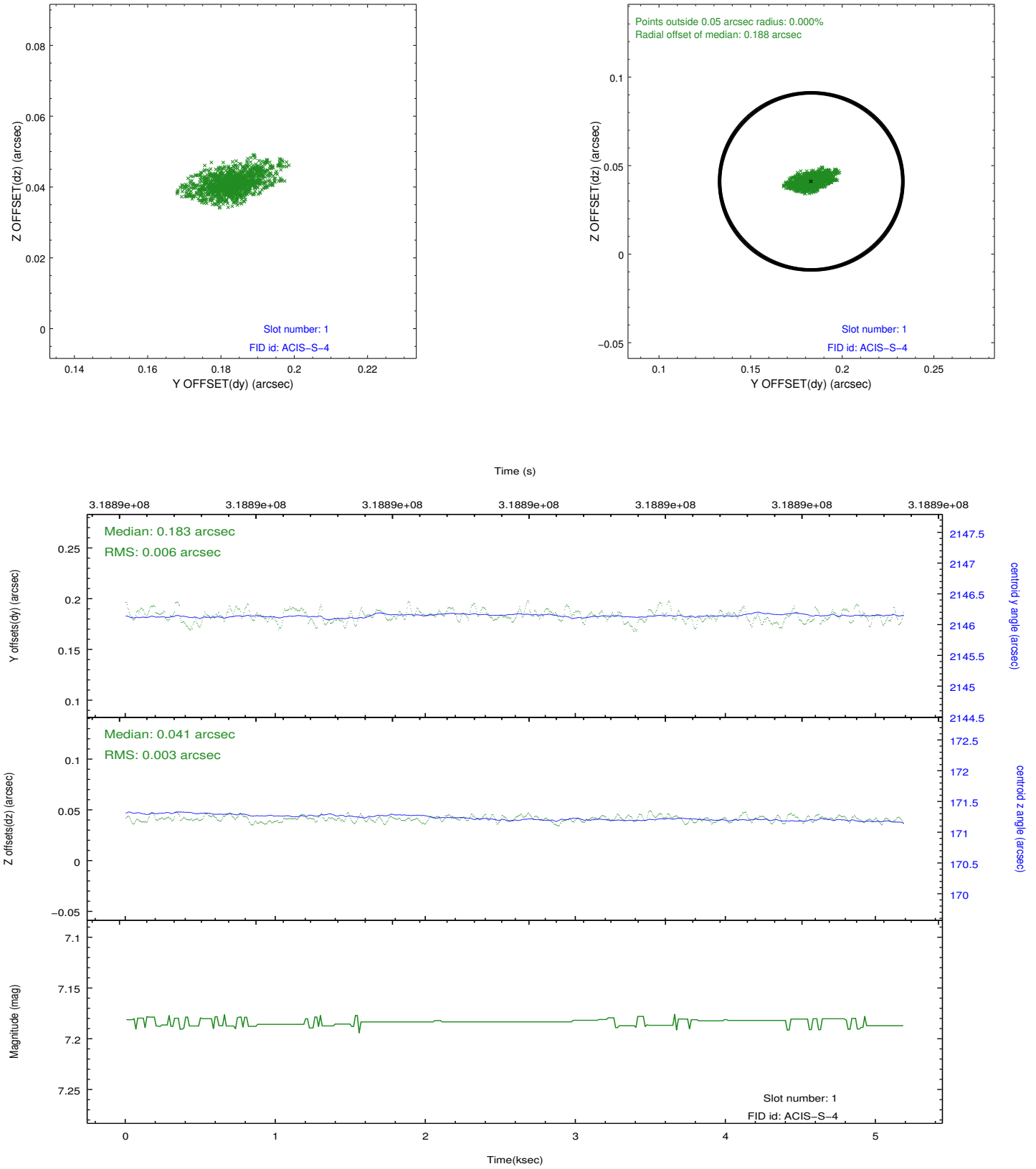


## 2.5 FID Slots

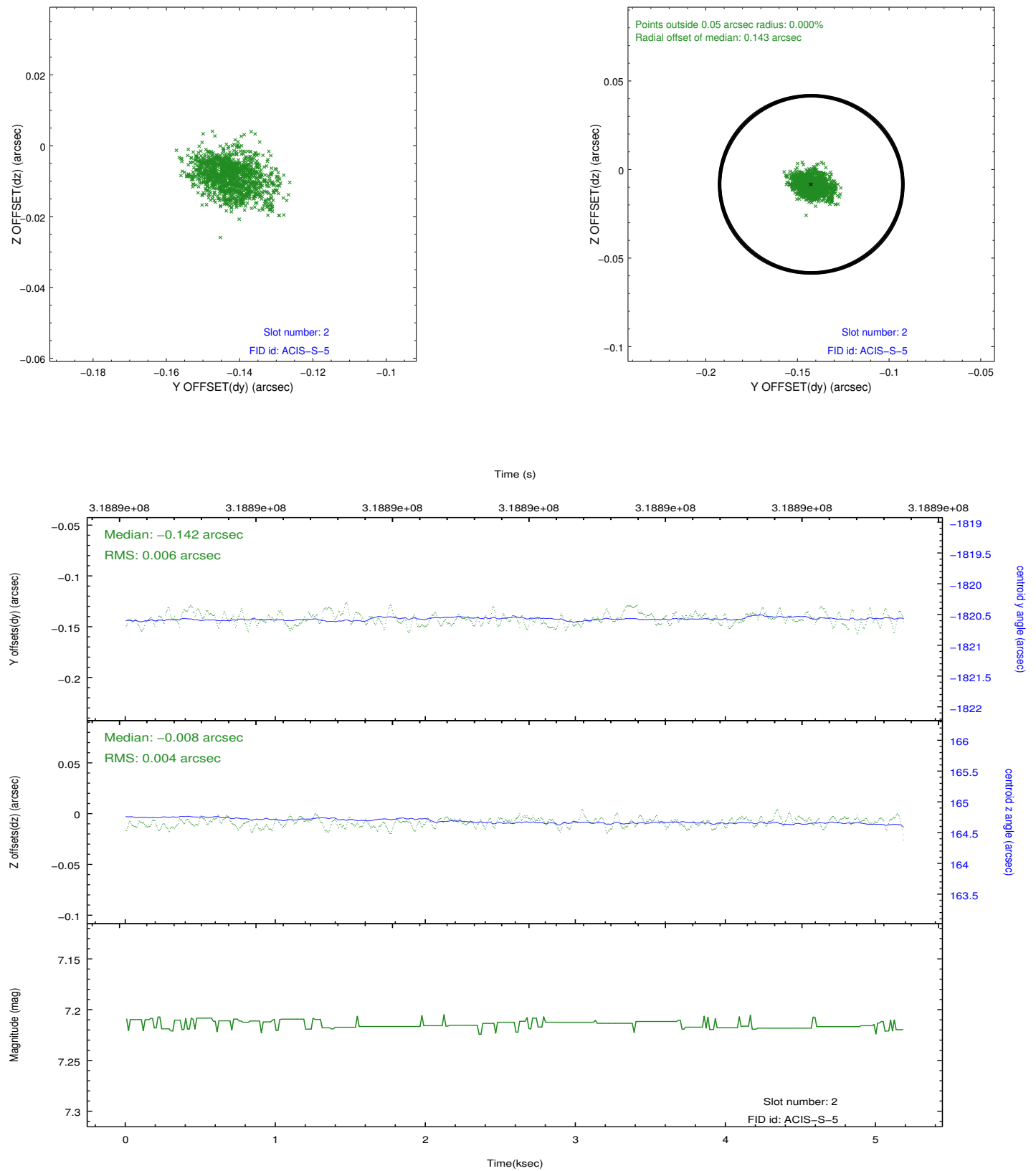
### 2.5.1 Slot 0



## 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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75839998

### A.2 Comments