

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7522 - L2 Version 2  
Chandra X-Ray Center

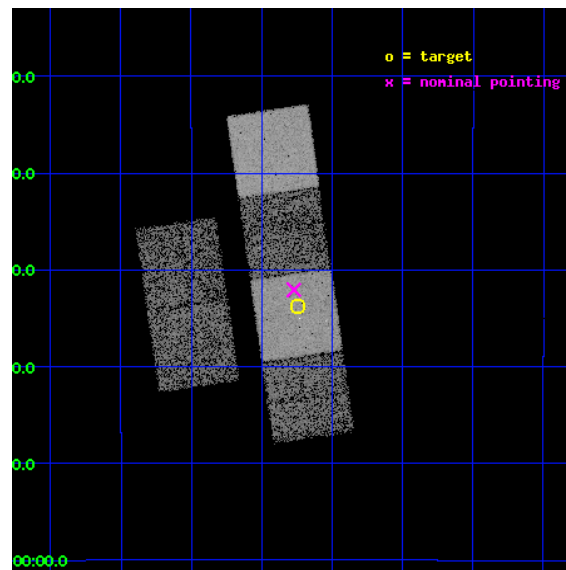
L2 Processing Date : May 9 2012

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# 1 Front

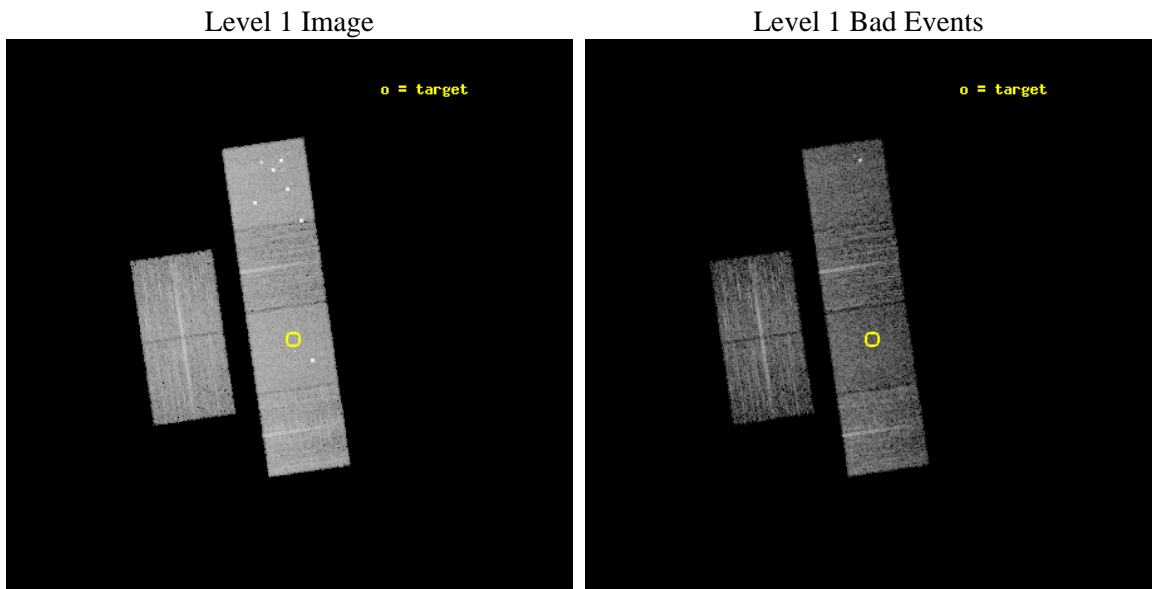
seq_num	400632	Sequence number
obs_id	7522	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18256-1035	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.437	Observer's specified target RA [deg]
dec_targ	-10.563	Observer's specified target Dec [deg]
ra_nom	276.44286970035	Nominal RA [deg]
dec_nom	-10.534480207849	Nominal Dec [deg]
roll_nom	81.730377398115	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4758.3999823332	Sum of GTIs [s]
livetime	4698.1462565924	Livetime [s]
ontime2	4758.3999823332	Sum of GTIs [s]
ontime3	4758.3999823332	Sum of GTIs [s]
ontime5	4758.3999823332	Sum of GTIs [s]
ontime6	4758.3999823332	Sum of GTIs [s]
ontime7	4758.3999823332	Sum of GTIs [s]
ontime8	4755.1589919329	Sum of GTIs [s]
l2events	78216	Number of level 2 events



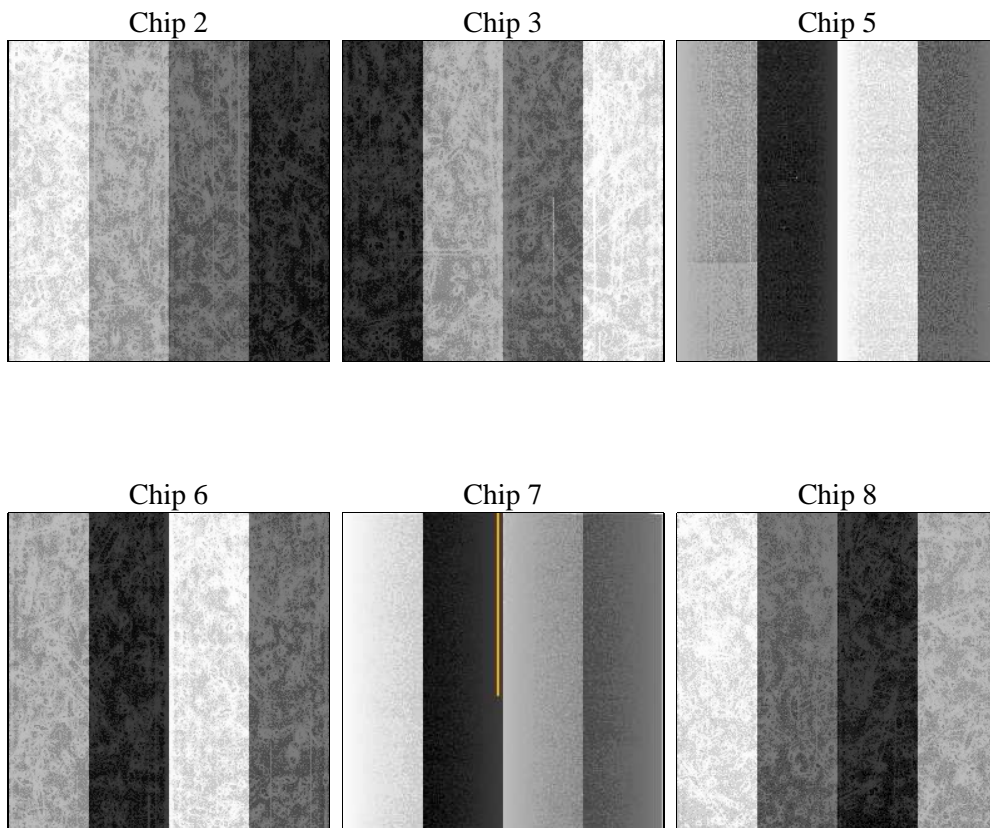
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4758.3999823332	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	4758.3999823332	Sum of GTIs [s]
date	2012-05-09T18:38:12	Date and time of file creation	ontime3	4758.3999823332	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4758.3999823332	Sum of GTIs [s]
			ontime6	4758.3999823332	Sum of GTIs [s]
			ontime7	4758.3999823332	Sum of GTIs [s]
			ontime8	4755.1589919329	Sum of GTIs [s]
			l1events	342526	Number of level 1 events

### 2.1.4 Events

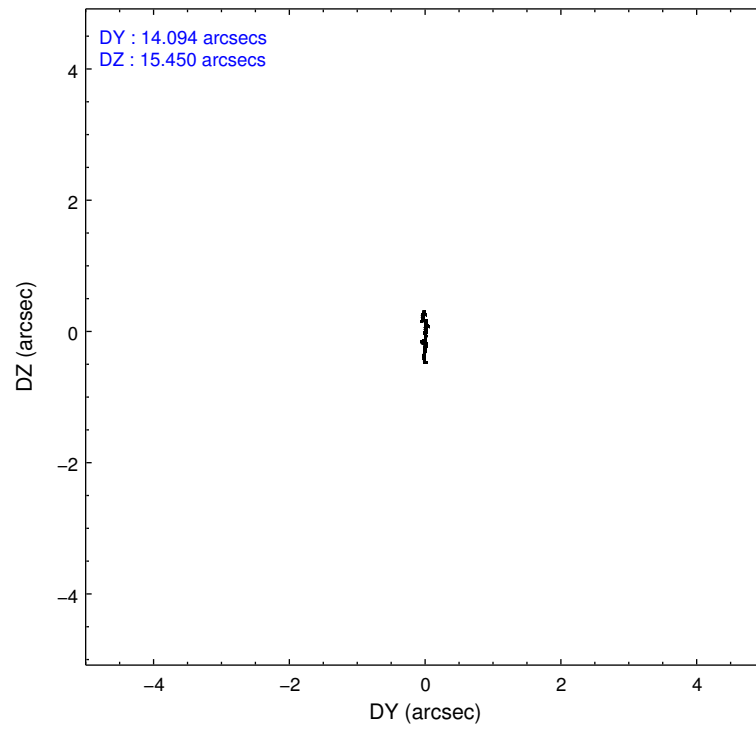
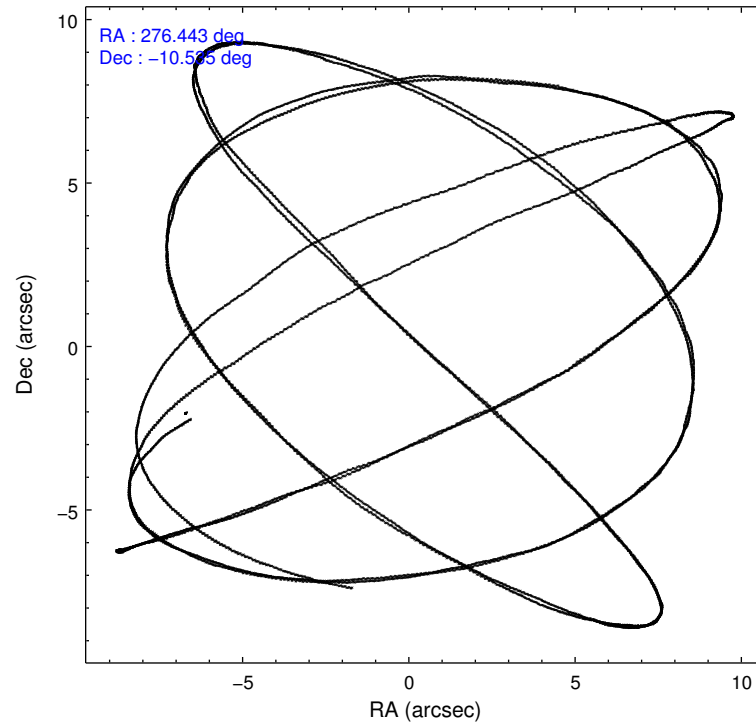
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47615	44632	77426	46504	64922	61427	grade 0 events	2664	2665	6809	2363	3845	4284
rejected events	41863	38700	38758	40611	36586	48186		5%	5%	8%	5%	5%	6%
rejected %	87%	86%	50%	87%	56%	78%	grade 1 events	47	34	249	31	69	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1178	1167	10729	1287	5400	2990
								2%	2%	13%	2%	8%	4%
							grade 3 events	488	564	1164	560	2186	1403
								1%	1%	1%	1%	3%	2%
							grade 4 events	529	505	1037	530	2231	1261
								1%	1%	1%	1%	3%	2%
							grade 5 events	1708	2130	4755	2144	5801	2797
								3%	4%	6%	4%	8%	4%
							grade 6 events	905	1035	18963	1156	14694	3309
								1%	2%	24%	2%	22%	5%
							grade 7 events	40096	36532	33720	38433	30696	45336
								84%	81%	43%	82%	47%	73%

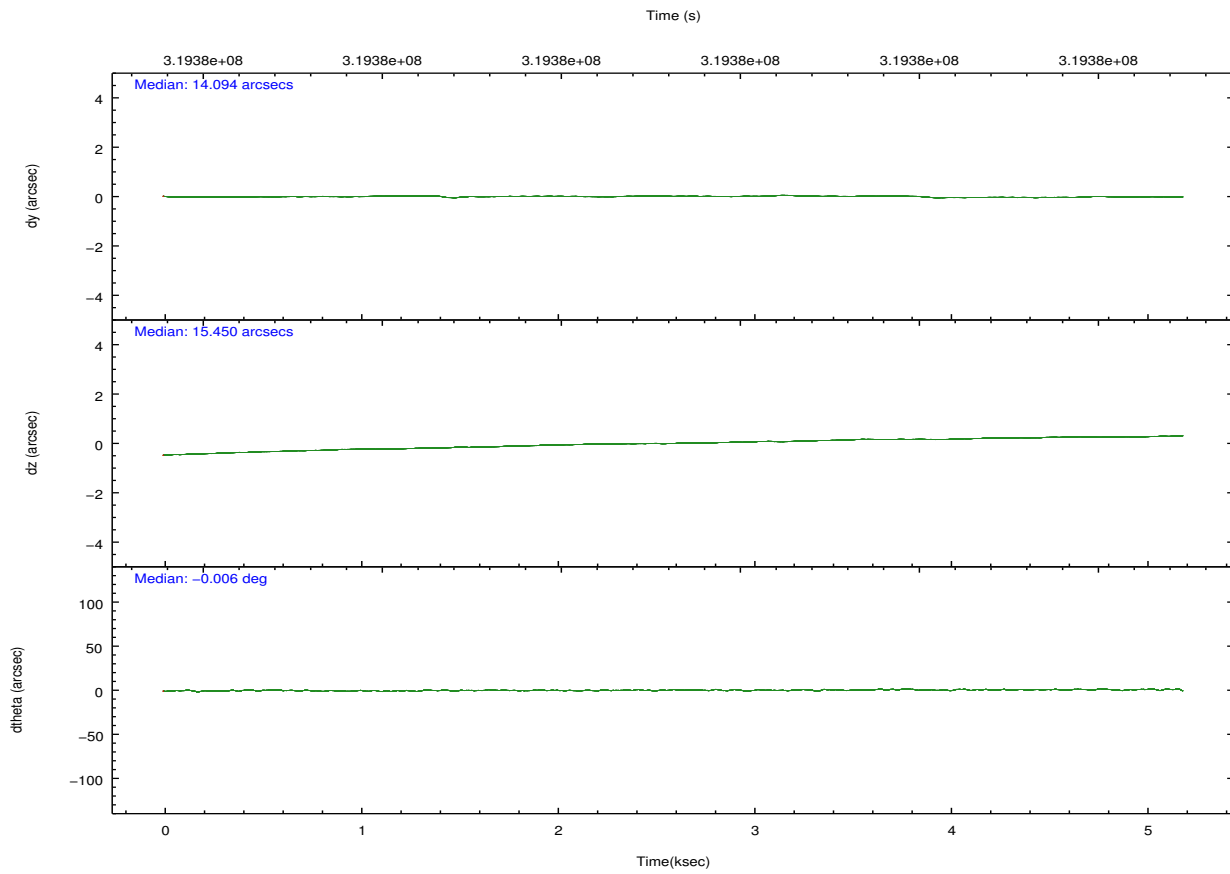
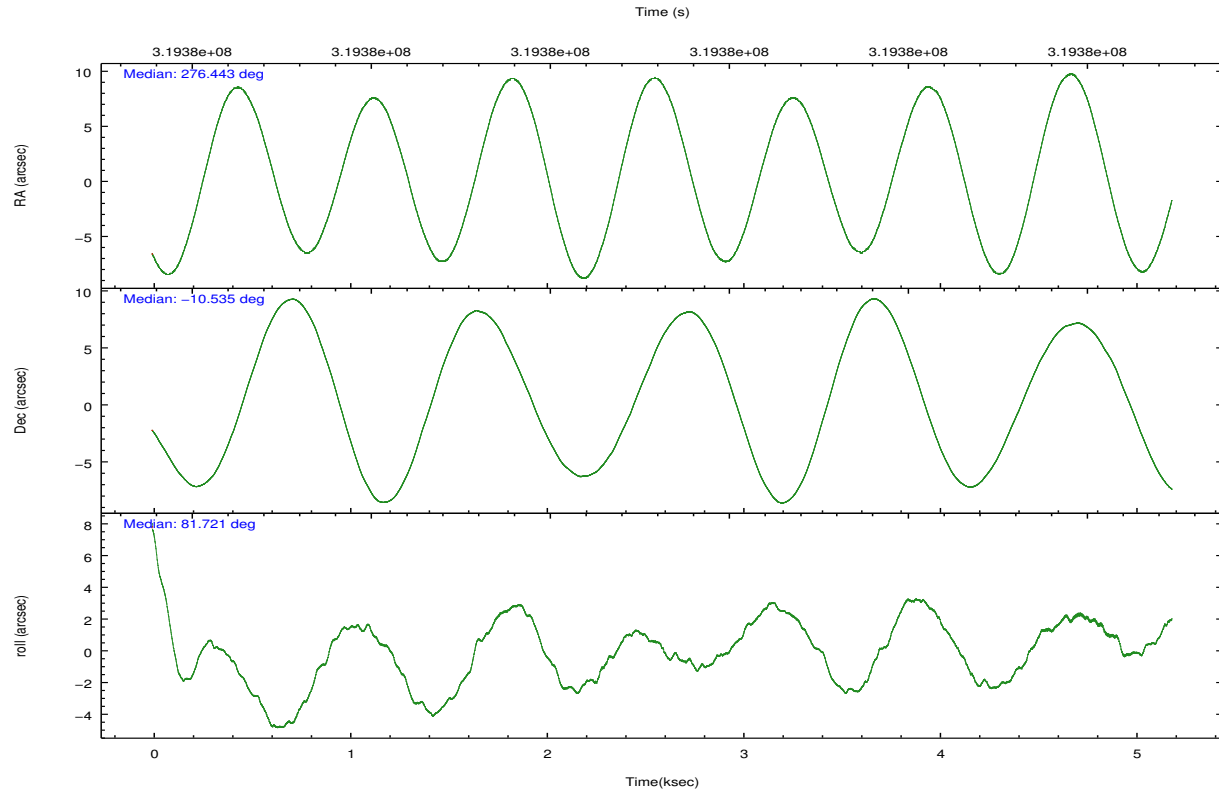


## 2.2 Compared Parameters

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	276.453610	276.4428697003525	CCD I2 on	O2	Y
[deg] Pointing Dec	-10.559685	-10.53448020784917	CCD I3 on	Y	Y
[deg] Pointing Roll	81.575733	81.73037739811505	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	319376209.184000	319375731.8392	CCD S5 on	N	N
Observation start date	2008-02-14T11:35:44	2008-02-14T11:28:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319381209.184000	319381430.83948	On-chip summing requested	N	N
Observation end date	2008-02-14T12:59:04	2008-02-14T13:03:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



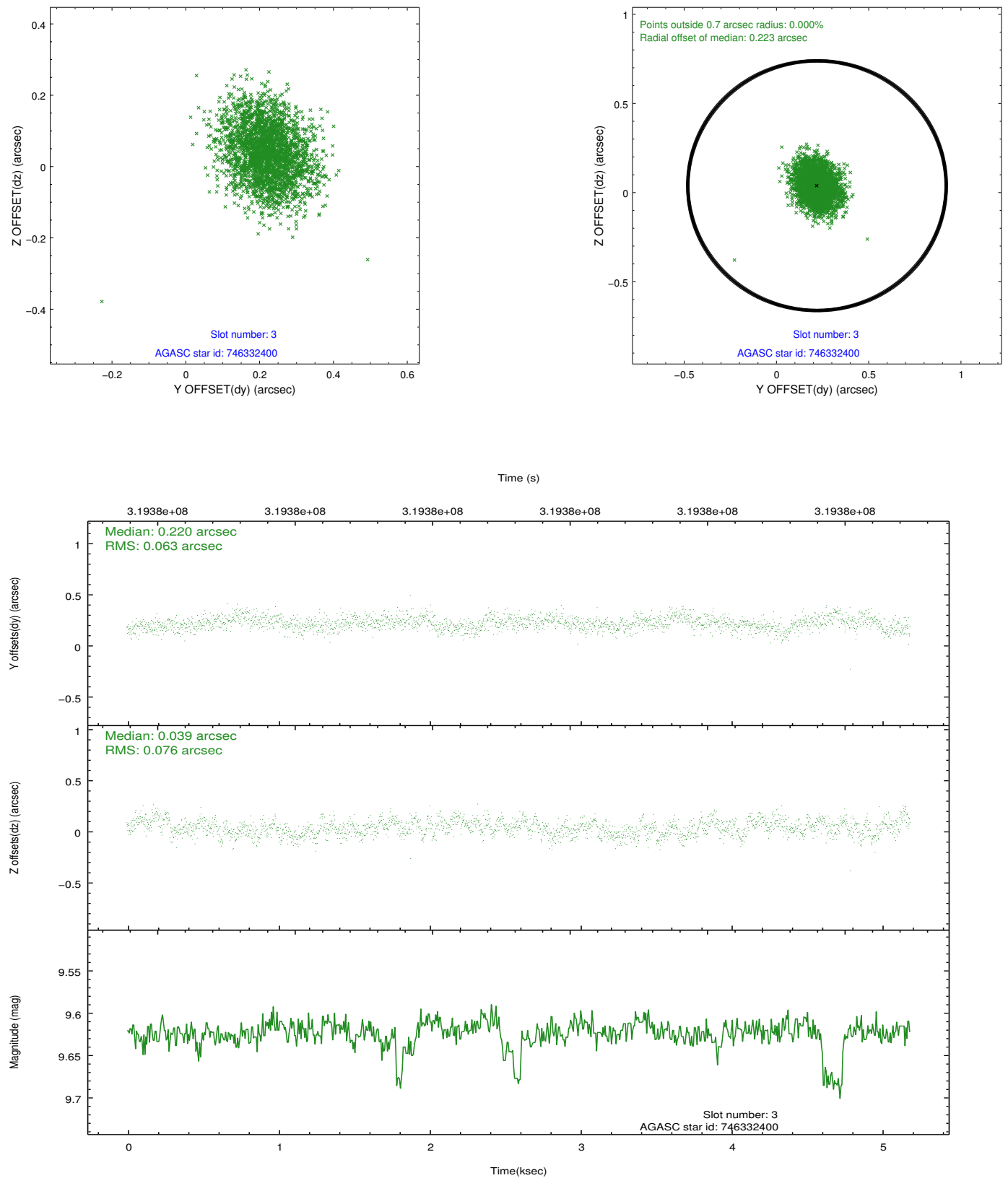


### Slot Statistics

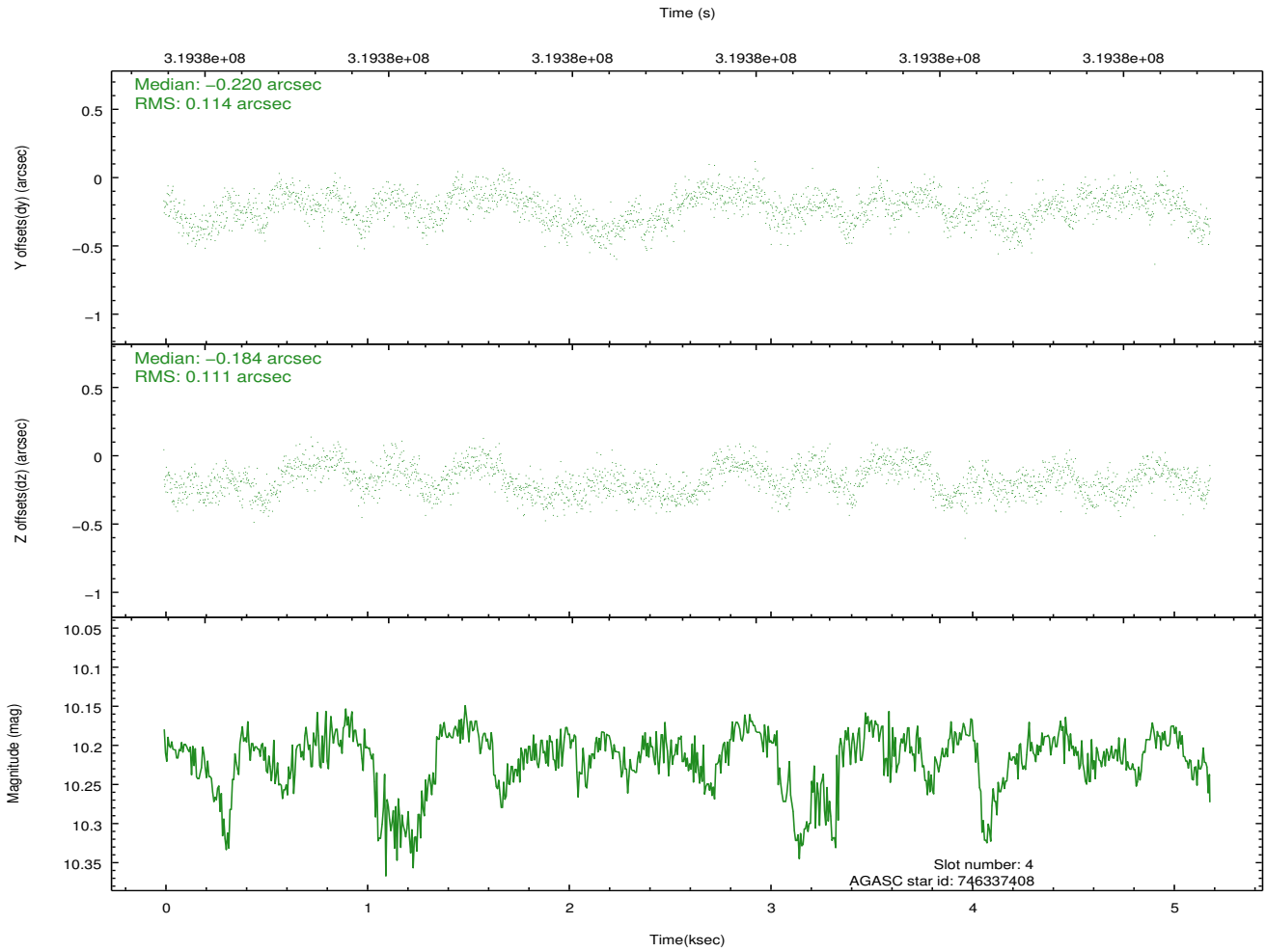
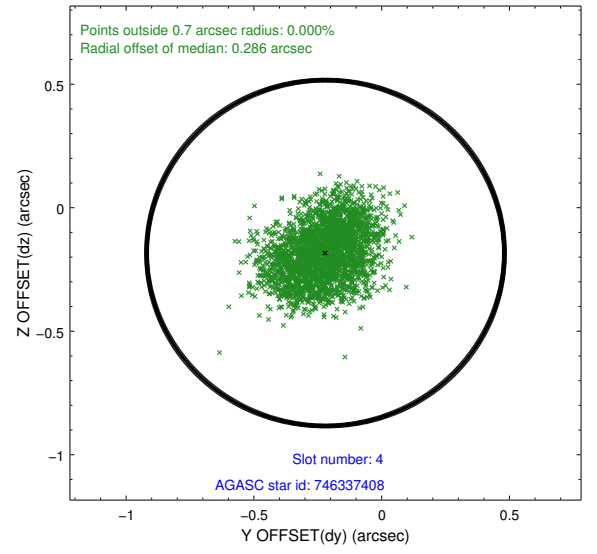
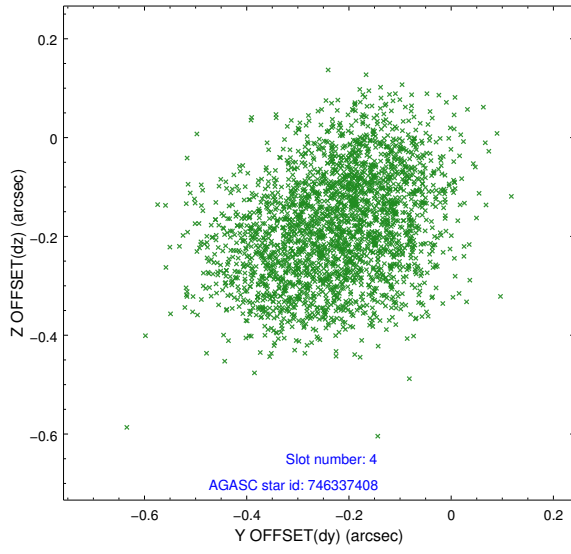
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1266	0.079	-0.079	0.013	0.023	0.000000	0.000000	929.09	-1732.47
1	FID	ACIS-S-5	7.23	1266	-0.165	0.037	0.006	0.010	0.000000	0.000000	-1819.51	163.98
2	FID	ACIS-S-6	7.32	1266	0.065	0.053	0.012	0.021	0.000000	0.000000	393.35	809.28
3	GUIDE	746332400	9.62	2529	0.220	0.039	0.105	0.167	276.086048	-10.809522	-1080.31	1153.47
4	GUIDE	746337408	10.21	2527	-0.220	-0.184	0.173	0.262	276.094309	-9.980003	1876.66	1566.19
5	GUIDE	746337696	8.67	2528	-0.068	0.325	0.090	0.145	277.198817	-10.226535	1571.51	-2436.04
6	GUIDE	746340512	9.15	2526	0.182	-0.125	0.090	0.140	276.034693	-10.686659	-669.14	1397.41
7	GUIDE	746342984	7.85	2531	-0.110	-0.062	0.075	0.121	276.123553	-10.414505	344.70	1232.84

## 2.4 Star Slots

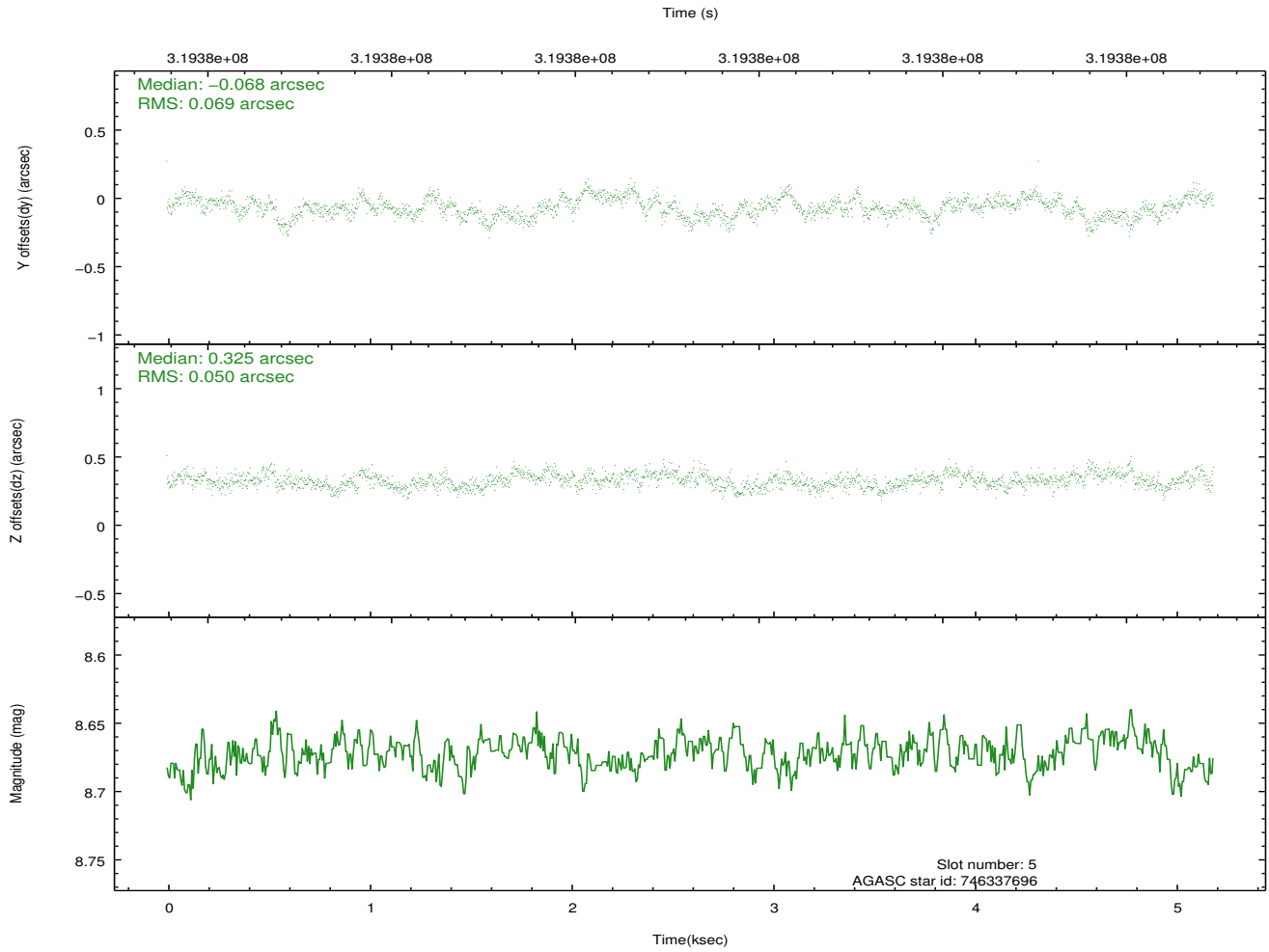
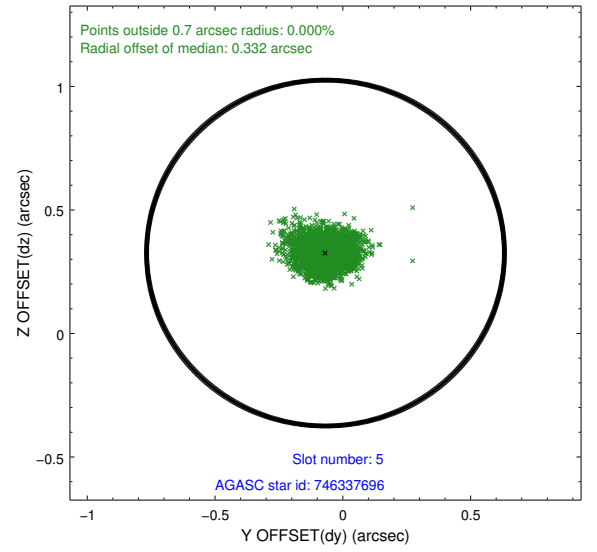
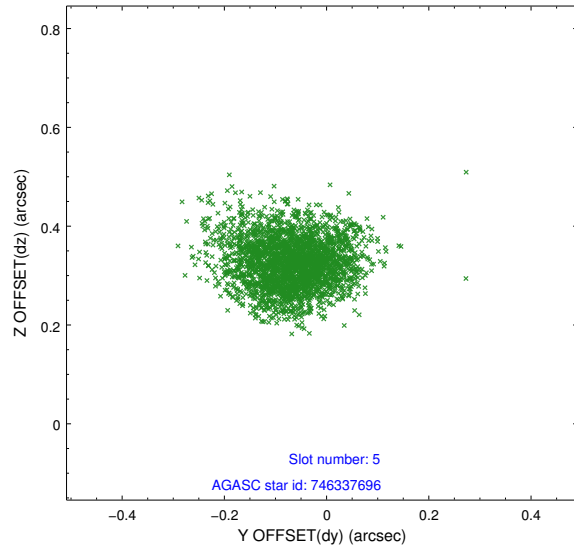
### 2.4.1 Slot 3



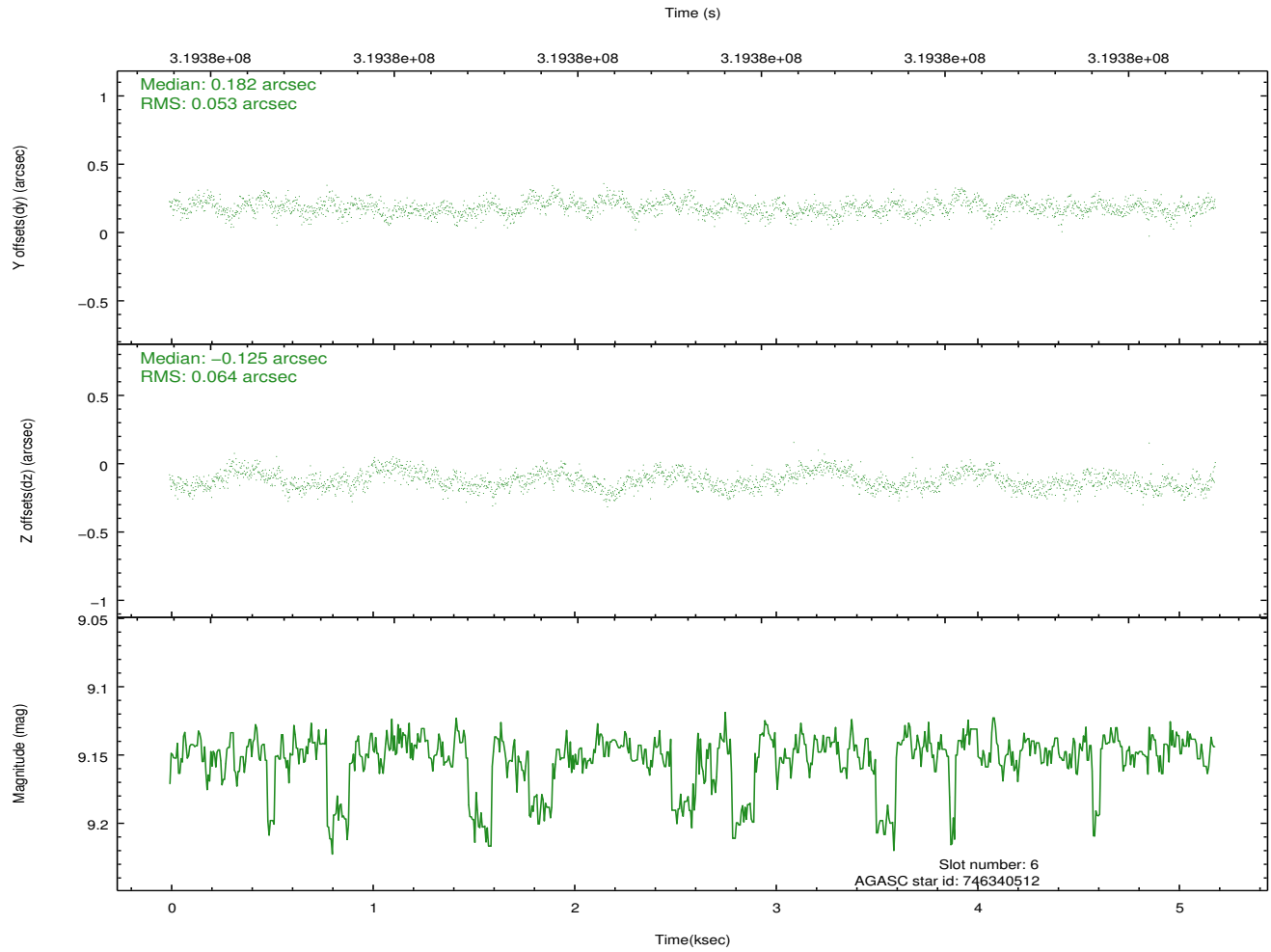
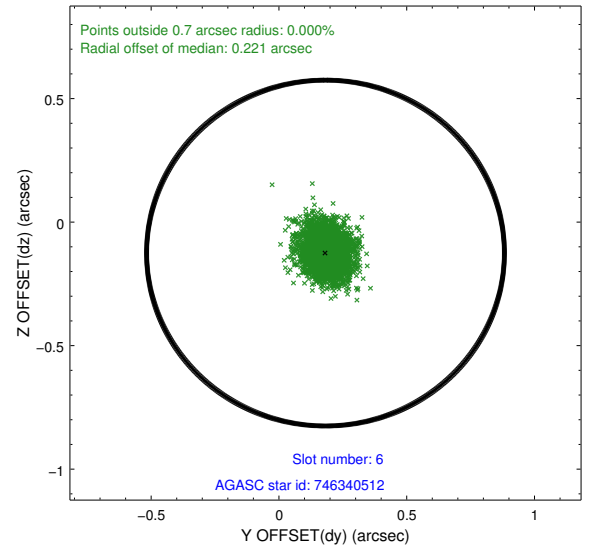
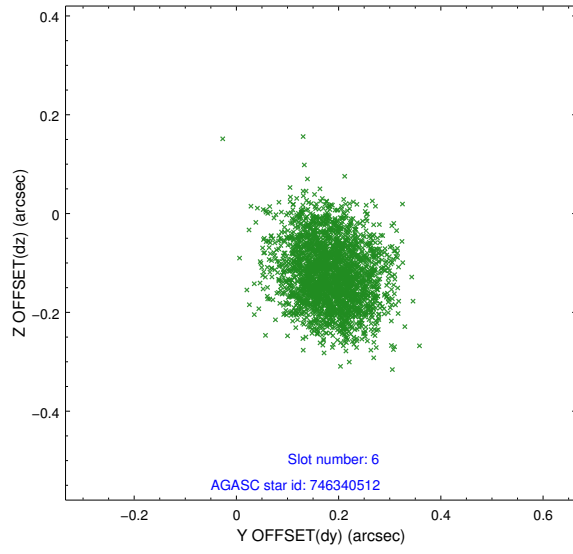
## 2.4.2 Slot 4



### 2.4.3 Slot 5

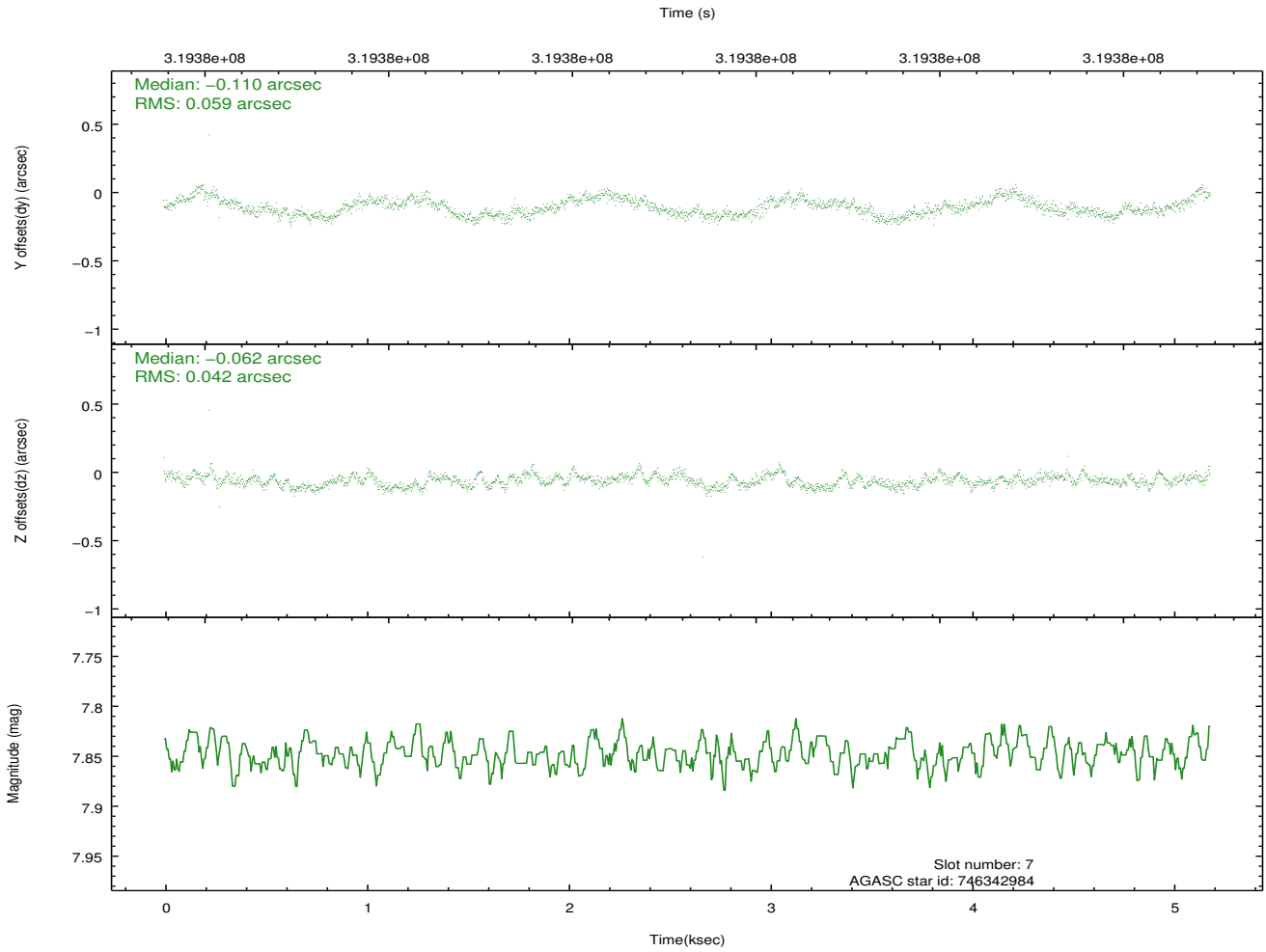
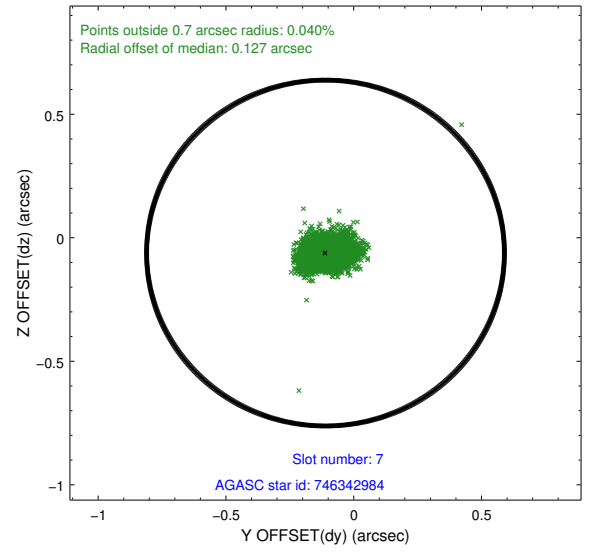
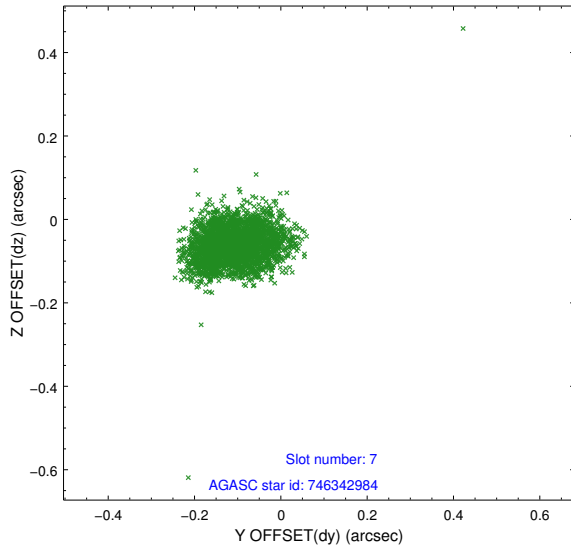


## 2.4.4 Slot 6



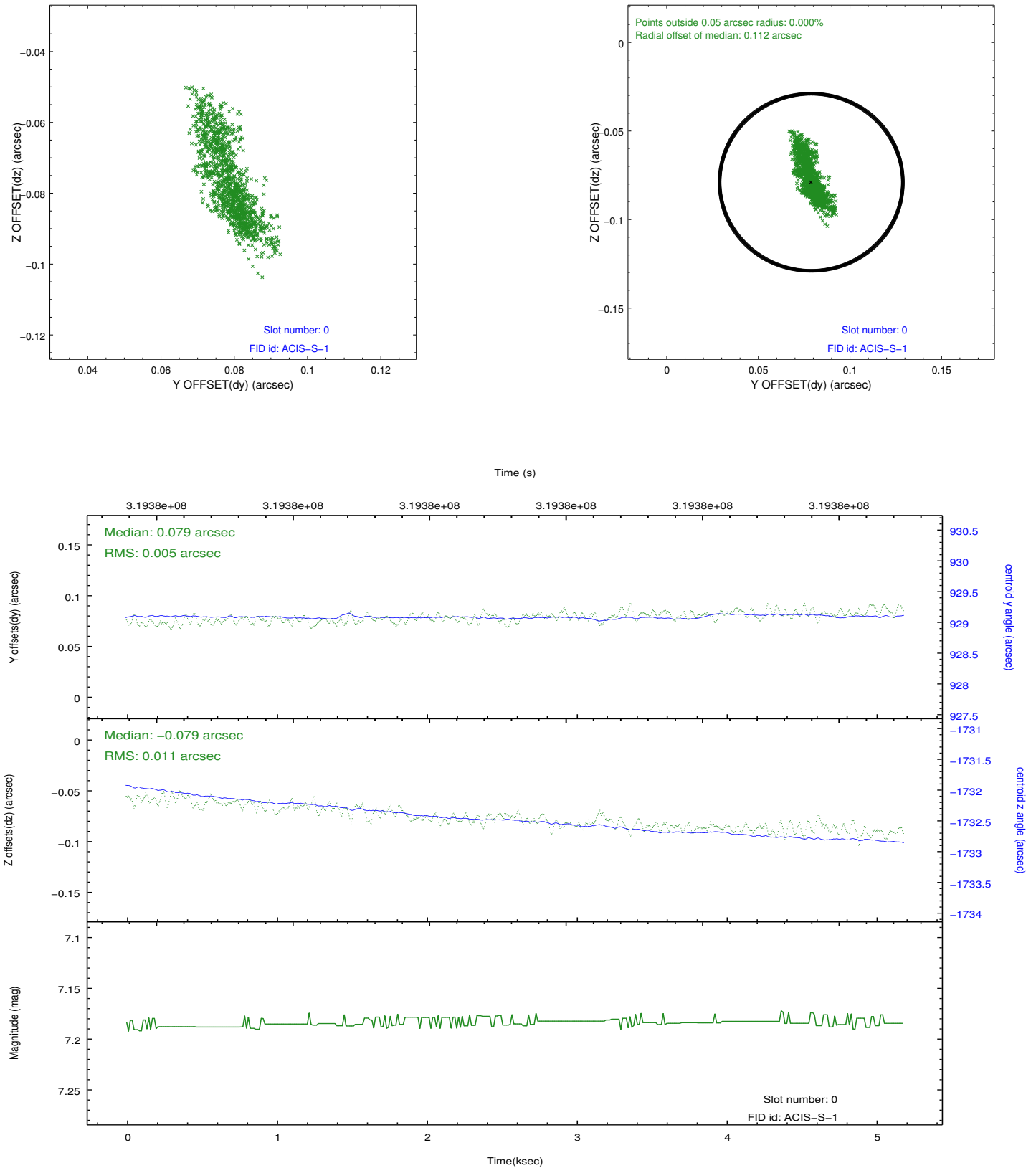


## 2.4.5 Slot 7

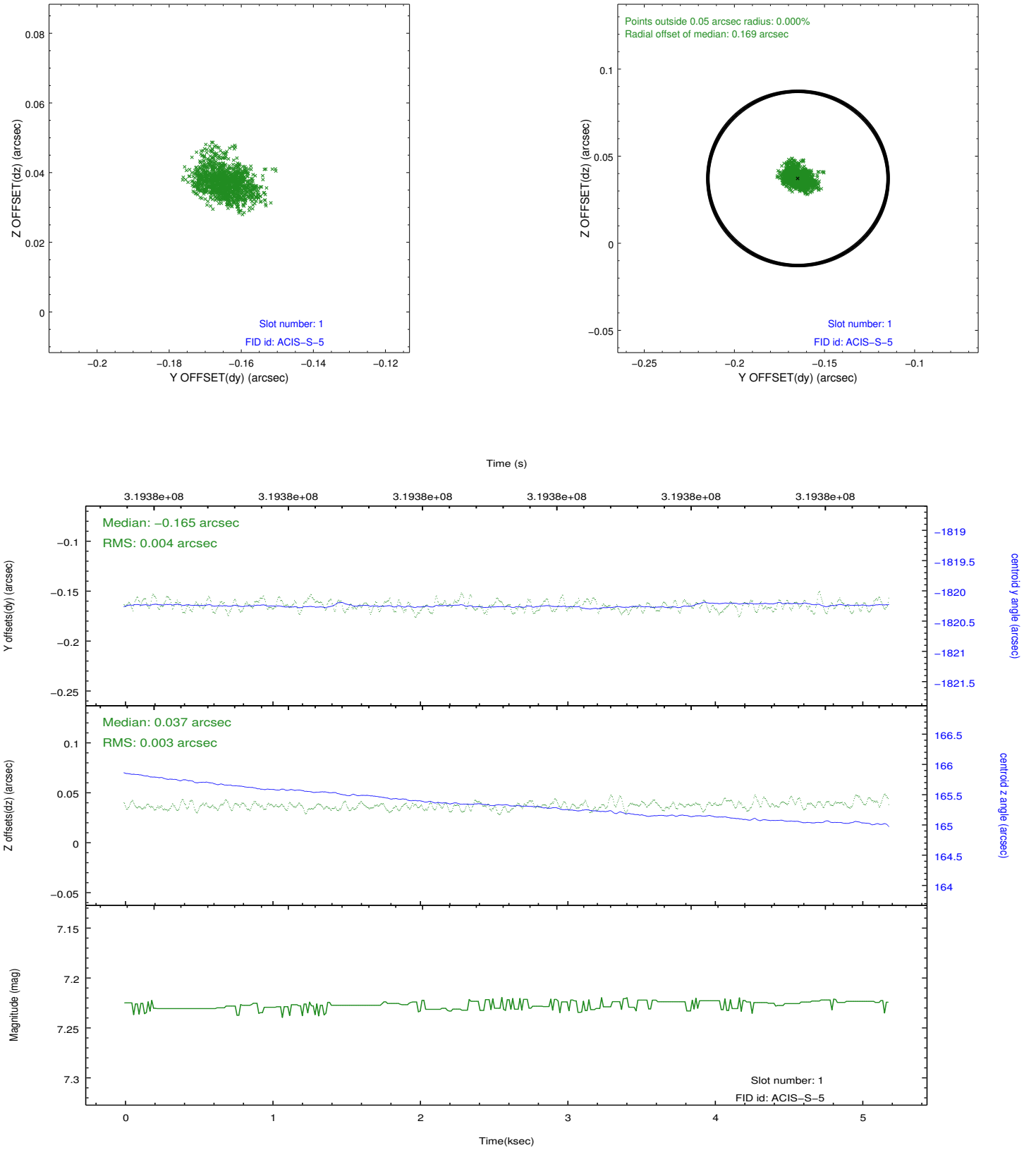


## 2.5 FID Slots

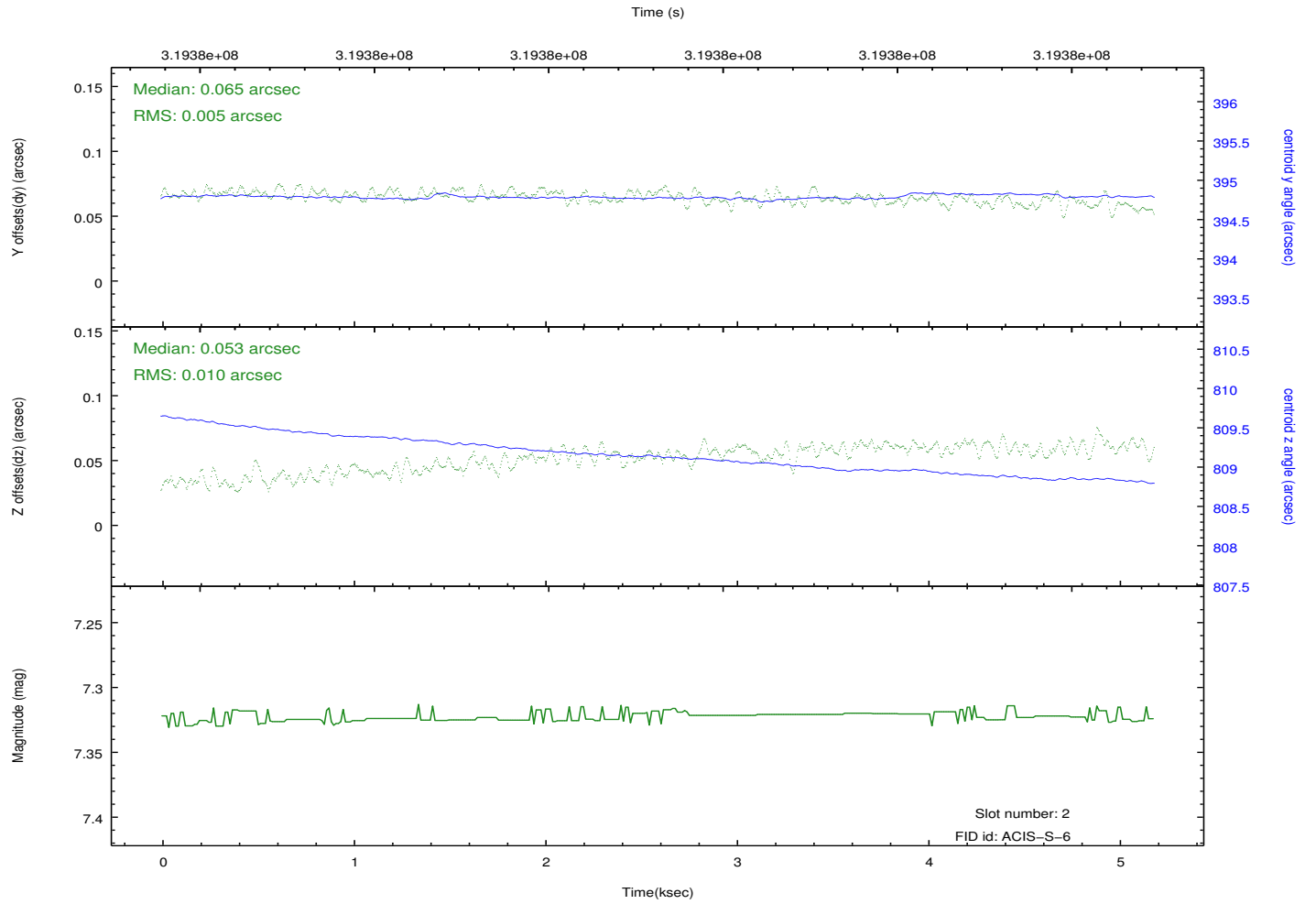
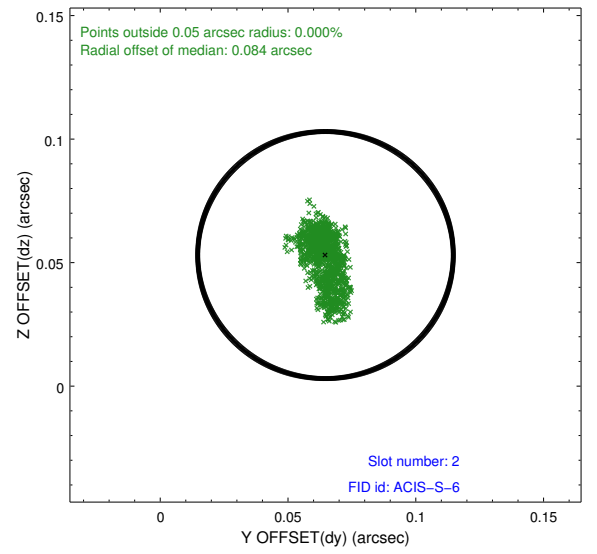
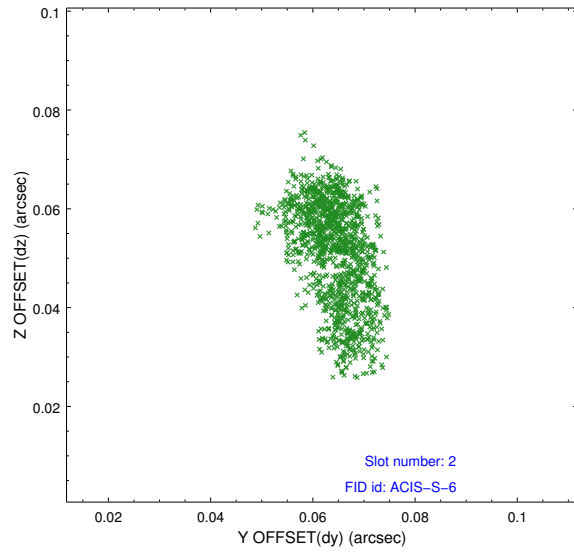
### 2.5.1 Slot 0



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

### A.2 Comments