

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7617 - L2 Version 2  
Chandra X-Ray Center

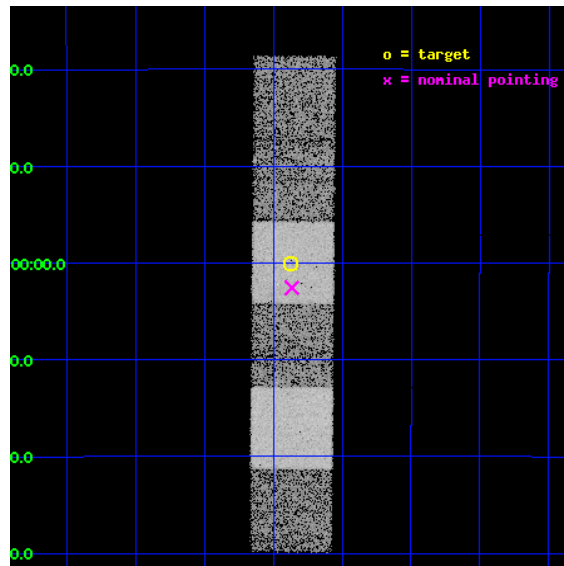
L2 Processing Date : May 3 2012

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# 1 Front

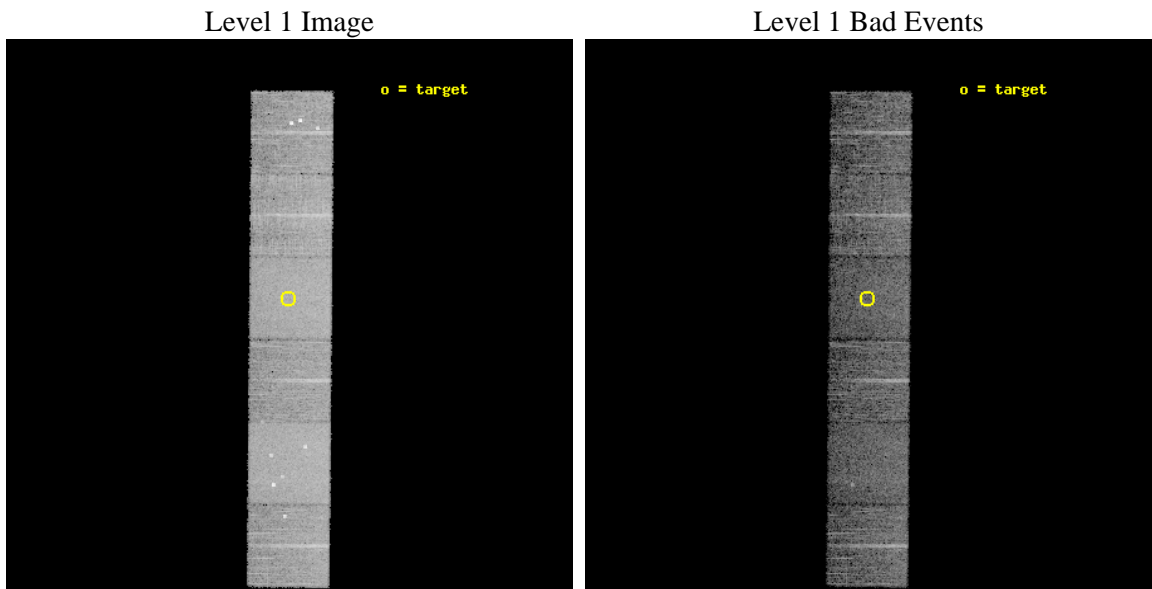
seq_num	500747	Sequence number
obs_id	7617	Observation id
title	ToO Observations of Soft Gamma Repeaters	Proposal title
observer	Dr. Peter Woods	Principal investigator
object	SGR 071017	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.717917	Observer's specified target RA [deg]
dec_targ	-16.001	Observer's specified target Dec [deg]
ra_nom	274.71641449663	Nominal RA [deg]
dec_nom	-16.042988678247	Nominal Dec [deg]
roll_nom	270.45616349543	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5148.7999808788	Sum of GTIs [s]
livetime	5083.6027752858	Livetime [s]
ontime4	5148.7999808788	Sum of GTIs [s]
ontime5	5148.7999808788	Sum of GTIs [s]
ontime6	5148.7999808788	Sum of GTIs [s]
ontime7	5148.7999808788	Sum of GTIs [s]
ontime8	5148.7999808788	Sum of GTIs [s]
ontime9	5148.7999808788	Sum of GTIs [s]
l2events	87775	Number of level 2 events



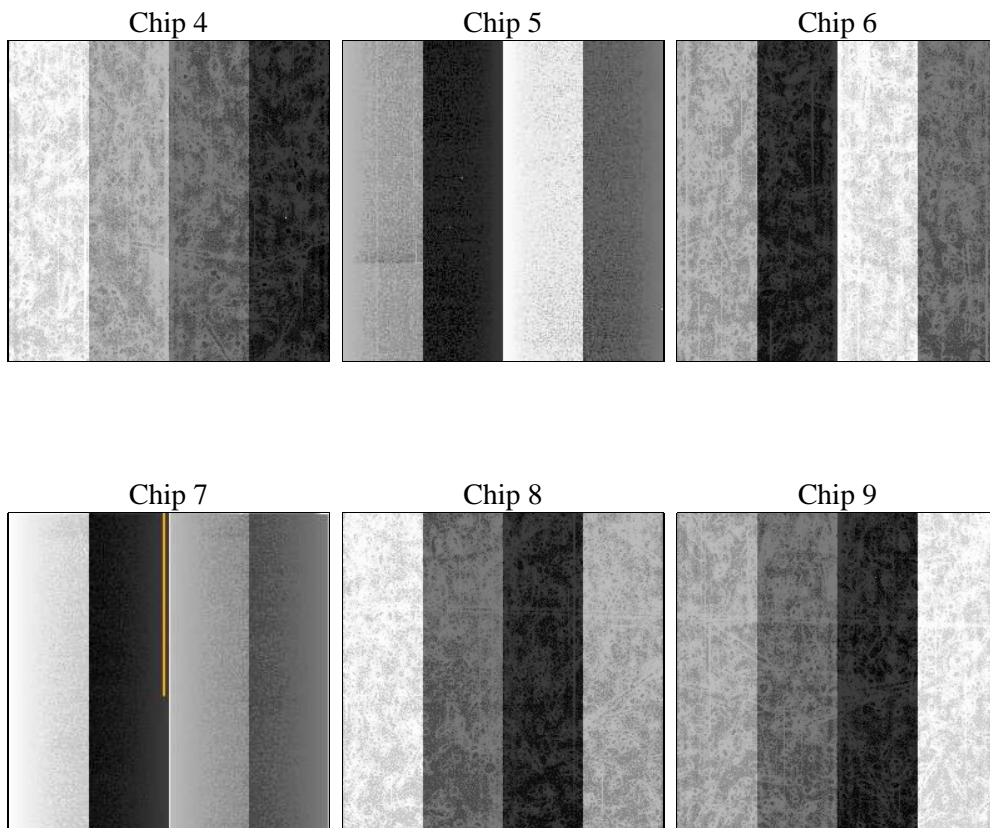
## 2 OBI

### 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	5148.7999808788	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	5148.7999808788	Sum of GTIs [s]
date	2012-05-03T11:48:27	Date and time of file creation	ontime5	5148.7999808788	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5148.7999808788	Sum of GTIs [s]
			ontime7	5148.7999808788	Sum of GTIs [s]
			ontime8	5148.7999808788	Sum of GTIs [s]
			ontime9	5148.7999808788	Sum of GTIs [s]
			l1events	410357	Number of level 1 events

### 2.1.4 Events

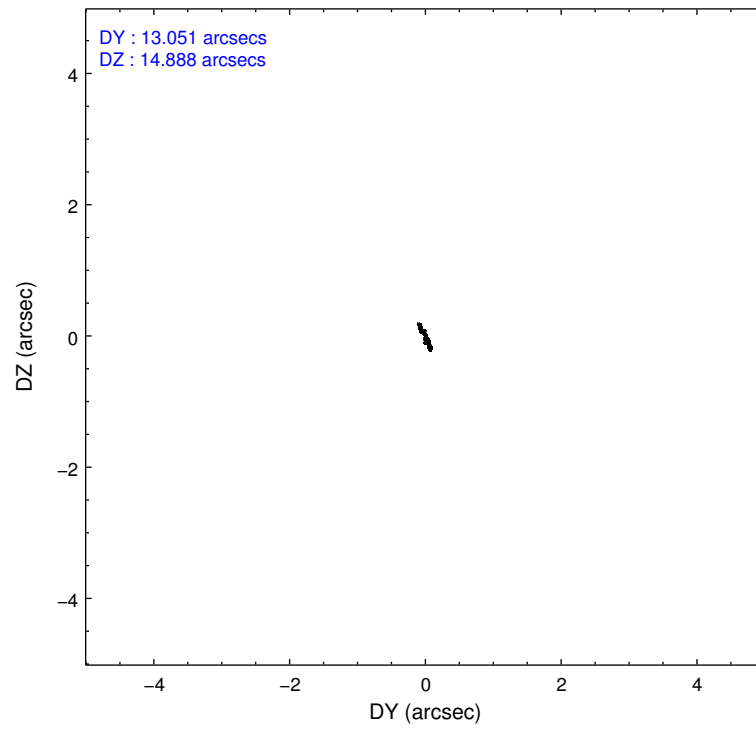
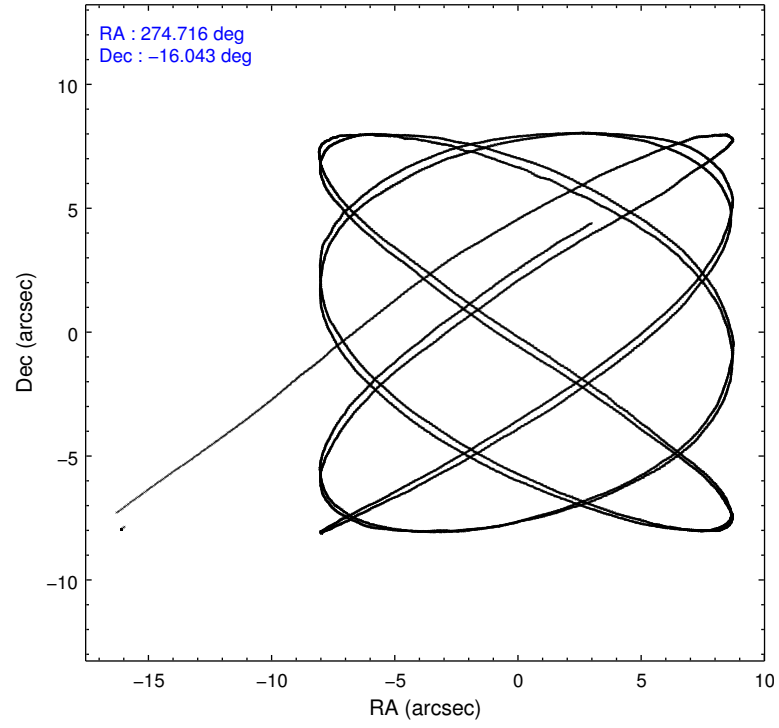
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	60441	85679	55463	76768	71537	60469	grade 0 events	4505	4862	3608	3113	5555	5714
rejected events	52865	48473	48360	46525	56663	50044		7%	5%	6%	4%	7%	9%
rejected %	87%	56%	87%	60%	79%	82%	grade 1 events	75	285	41	83	58	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	1526	12273	1528	6785	3732	3124
								2%	14%	2%	8%	5%	5%
							grade 3 events	686	1551	690	2841	1562	693
								1%	1%	1%	3%	2%	1%
							grade 4 events	693	1477	676	2809	1368	627
								1%	1%	1%	3%	1%	1%
							grade 5 events	2507	6065	2615	7042	3422	2806
								4%	7%	4%	9%	4%	4%
							grade 6 events	1044	20761	1393	17730	4244	1366
								1%	24%	2%	23%	5%	2%
							grade 7 events	49405	38405	44912	36365	51596	46068
								81%	44%	80%	47%	72%	76%

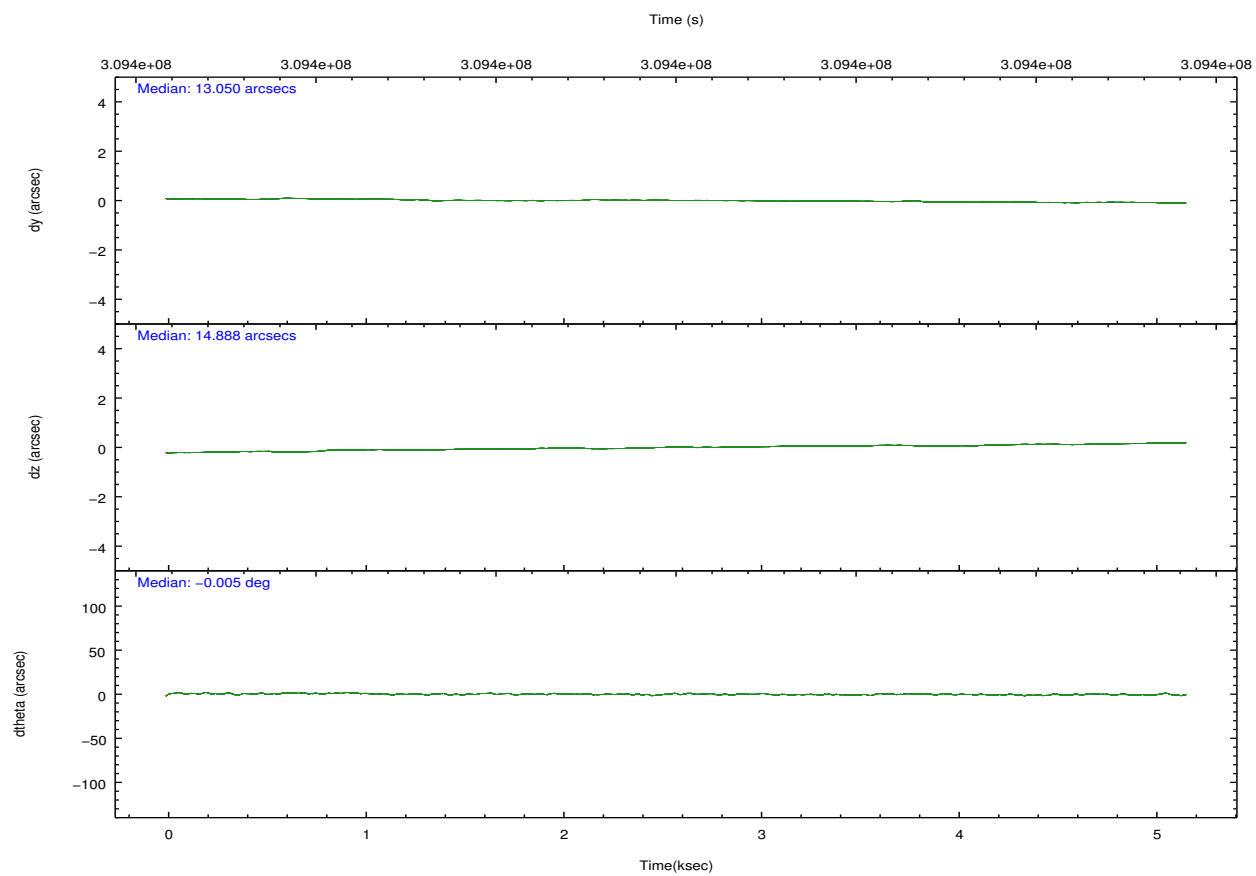
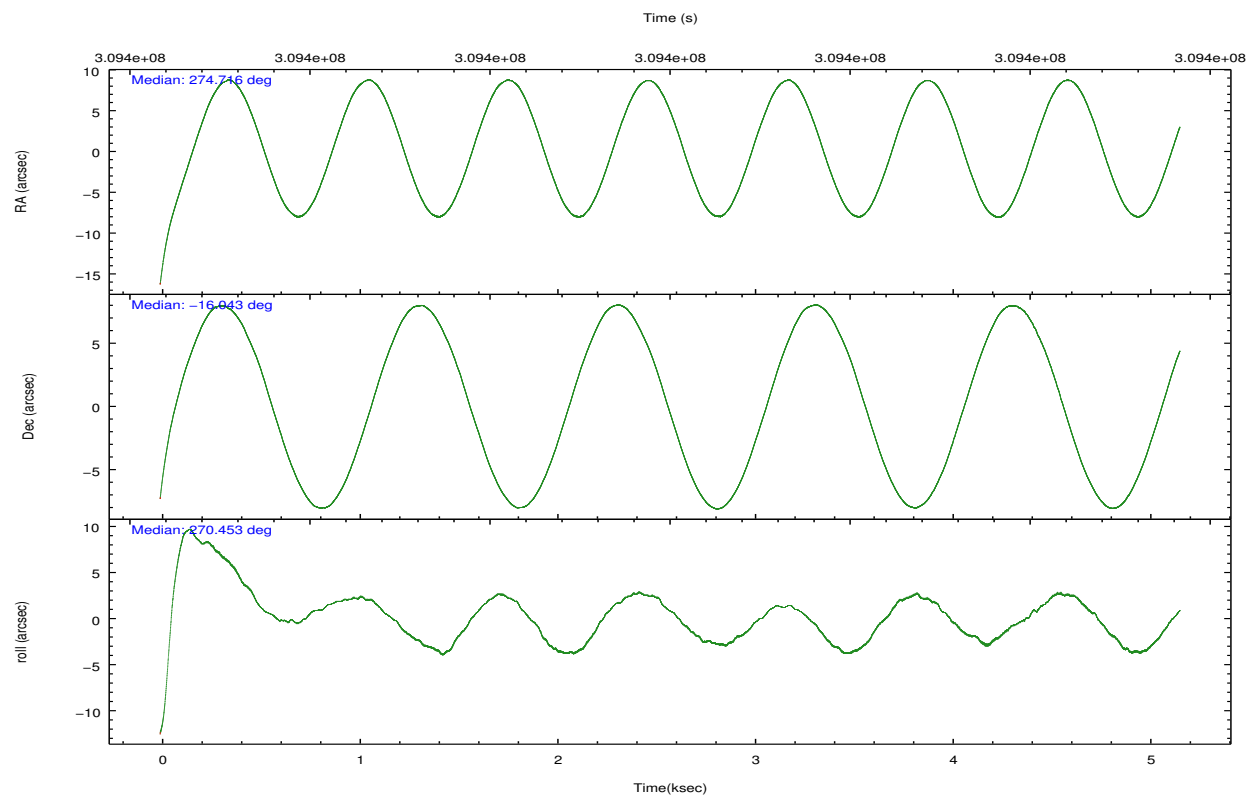


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	274.701718	274.7164144966331	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.019606	-16.04298867824744	Alternating exposures requested	N	N
[deg] Pointing Roll	270.295531	270.4561634954343	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	309395571.184000	309394266.49381			
Observation start date	2007-10-21T23:11:46	2007-10-21T22:51:06			
[s] Observation end time (MET)	309400571.184000	309400705.03162			
Observation end date	2007-10-22T00:35:06	2007-10-22T00:38:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect



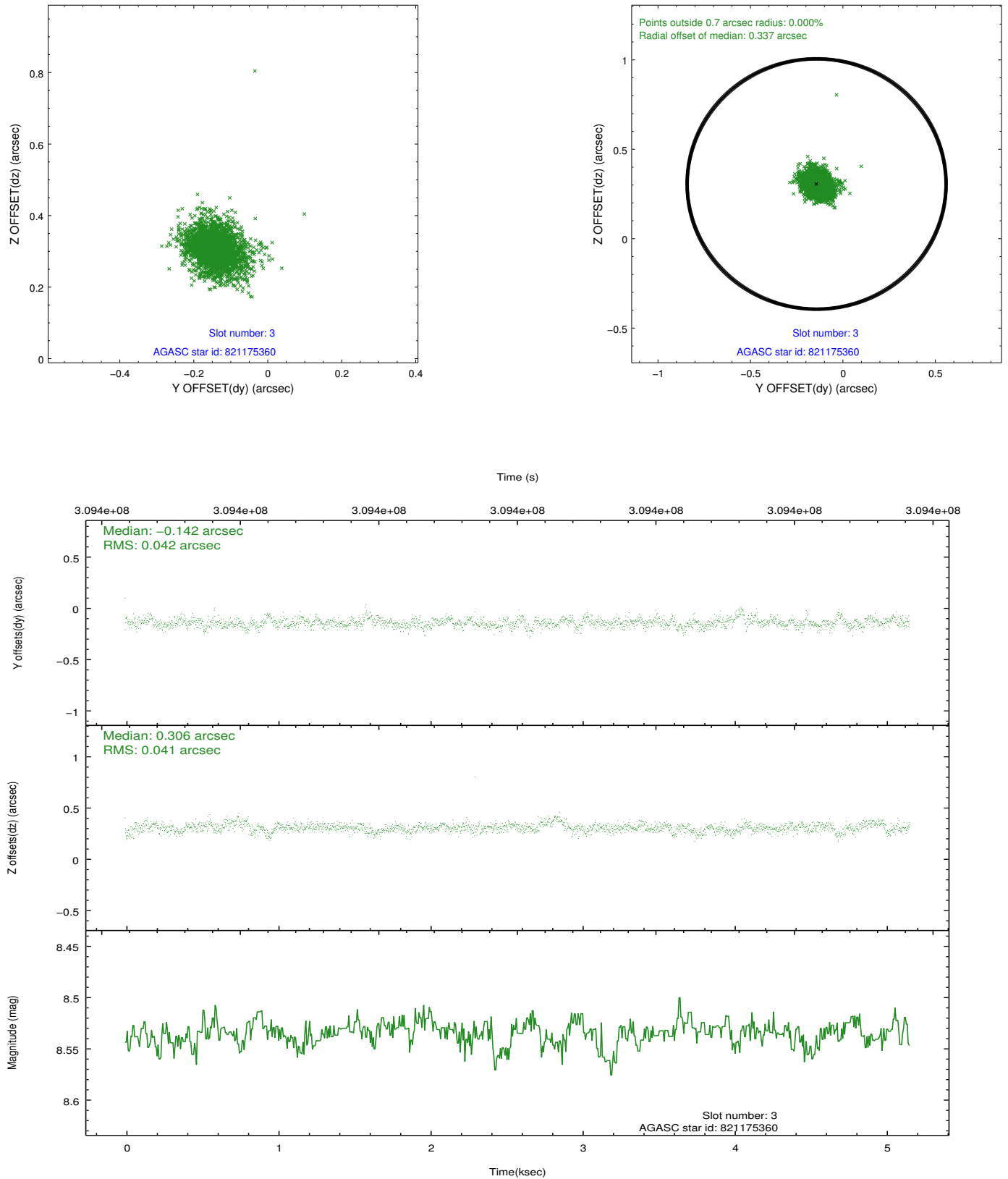


### Slot Statistics

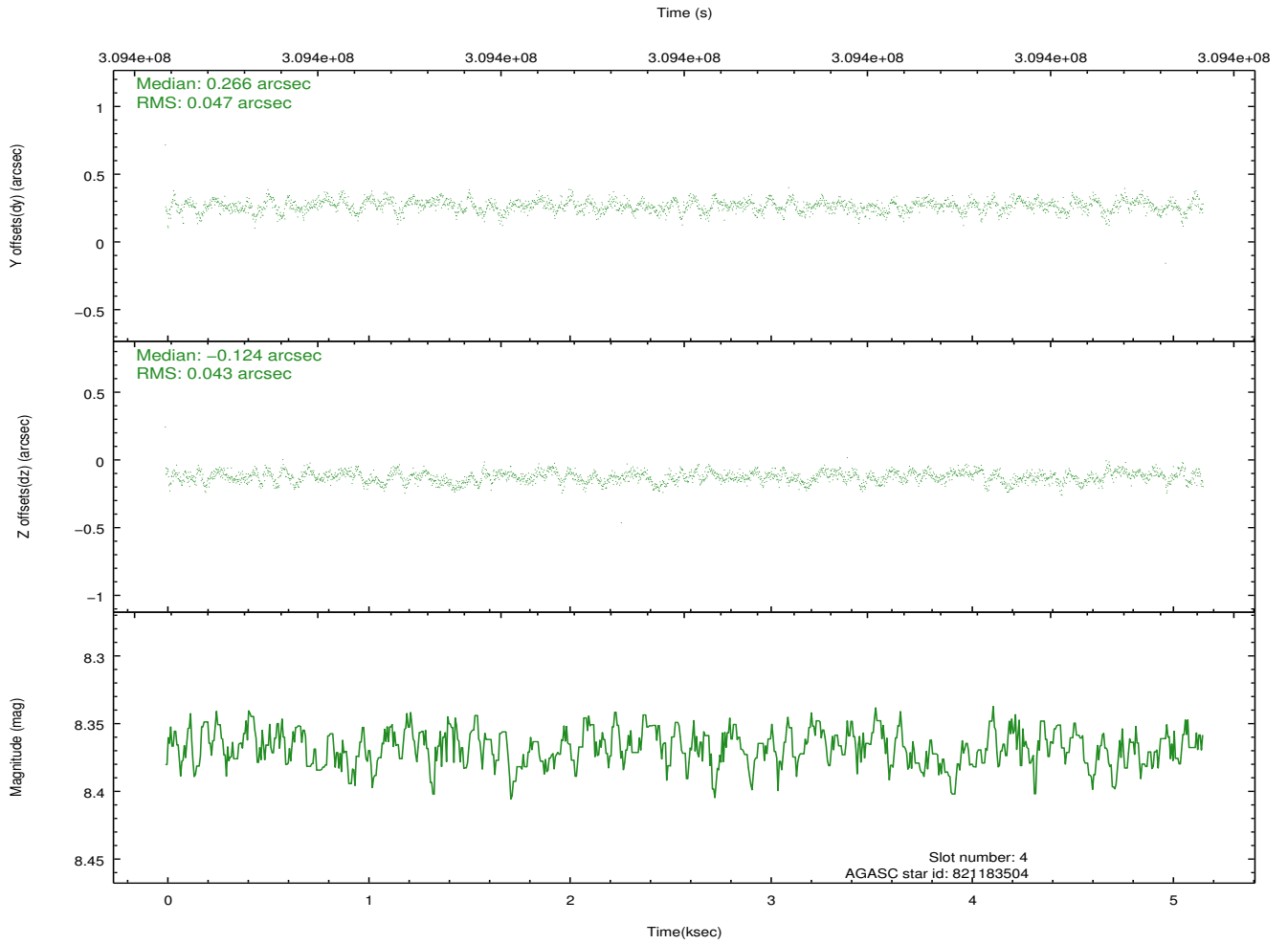
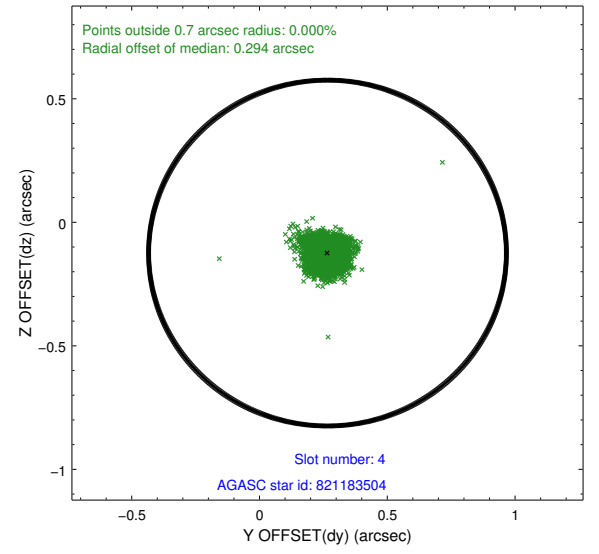
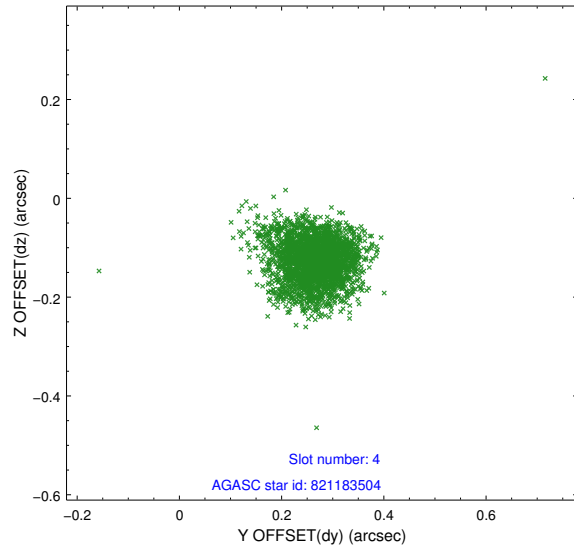
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1259	-0.003	-0.029	0.008	0.014	0.000000	0.000000	-765.94	-1736.29
1	FID	ACIS-S-5	7.22	1259	-0.092	0.003	0.008	0.014	0.000000	0.000000	-1819.70	164.48
2	FID	ACIS-S-6	7.32	1259	0.070	0.035	0.006	0.011	0.000000	0.000000	394.44	809.78
3	GUIDE	821175360	8.53	2518	-0.142	0.306	0.059	0.103	275.121622	-15.398191	-2228.14	1469.59
4	GUIDE	821183504	8.37	2517	0.266	-0.124	0.065	0.106	274.206900	-16.517860	1786.63	-1716.19
5	GUIDE	821186736	7.96	2516	0.159	-0.039	0.058	0.093	274.765126	-16.656680	2295.65	206.66
6	GUIDE	821179256	7.46	2518	-0.215	-0.111	0.047	0.072	274.840900	-15.612800	-1460.97	490.43
7	GUIDE	821169272	7.22	2517	-0.066	-0.030	0.052	0.085	275.312025	-16.375484	1294.63	2102.00

## 2.4 Star Slots

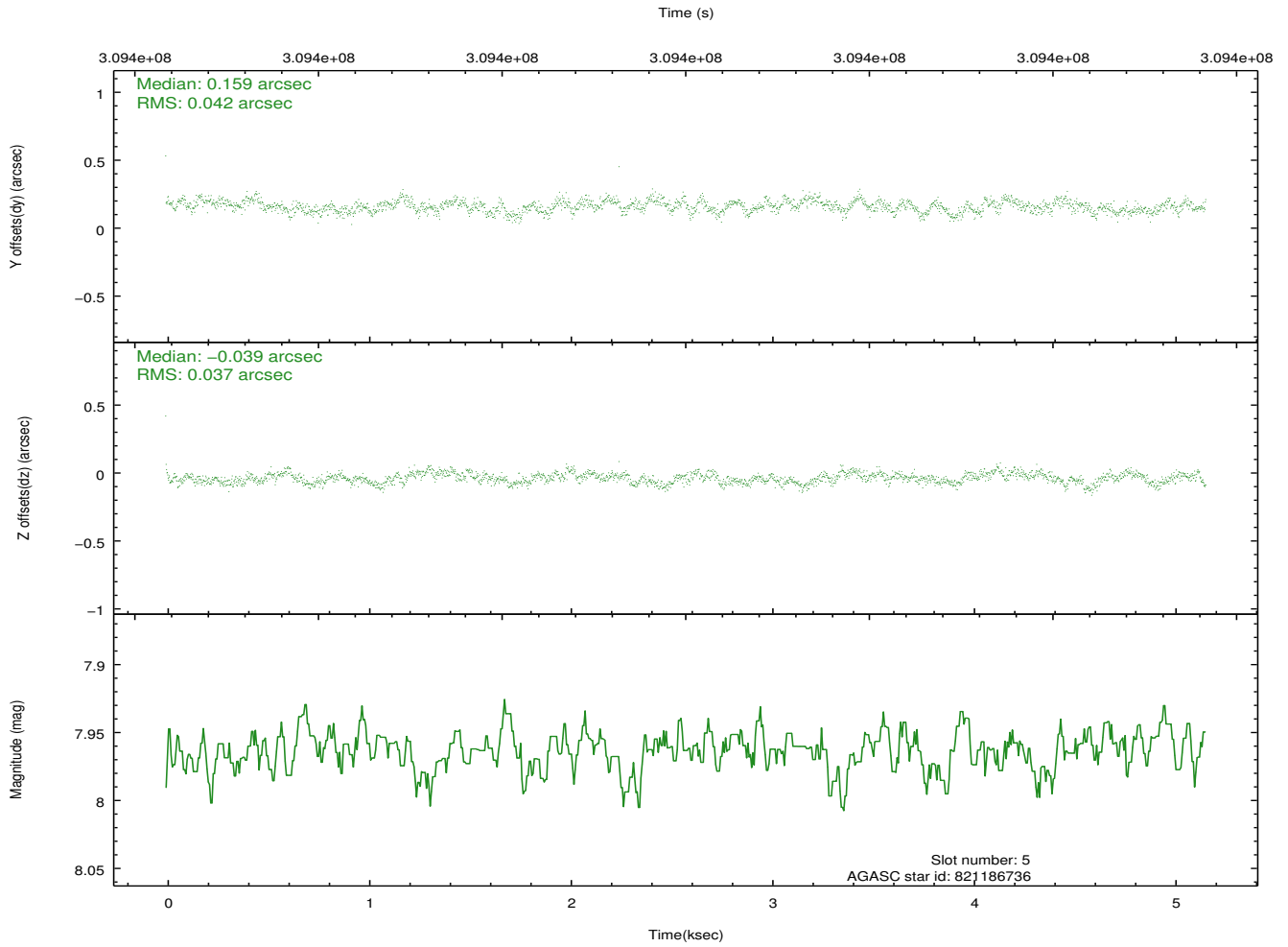
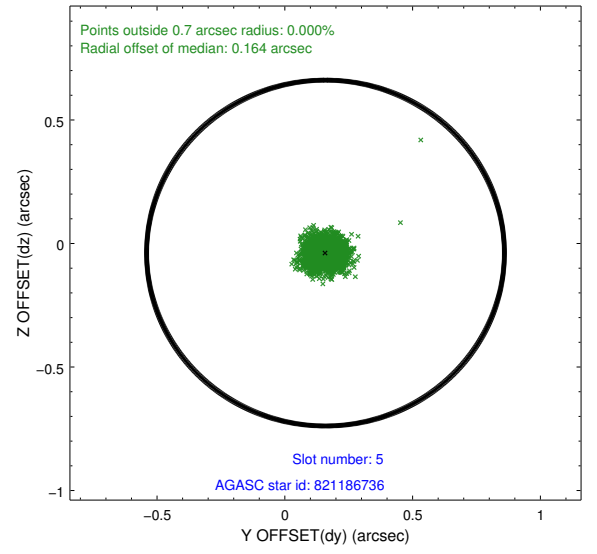
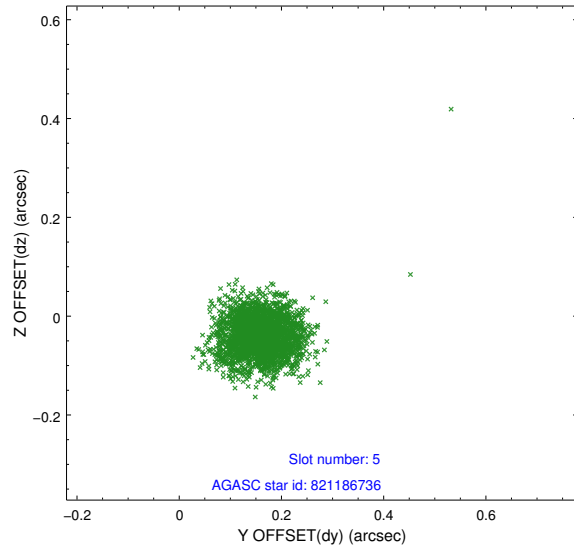
### 2.4.1 Slot 3



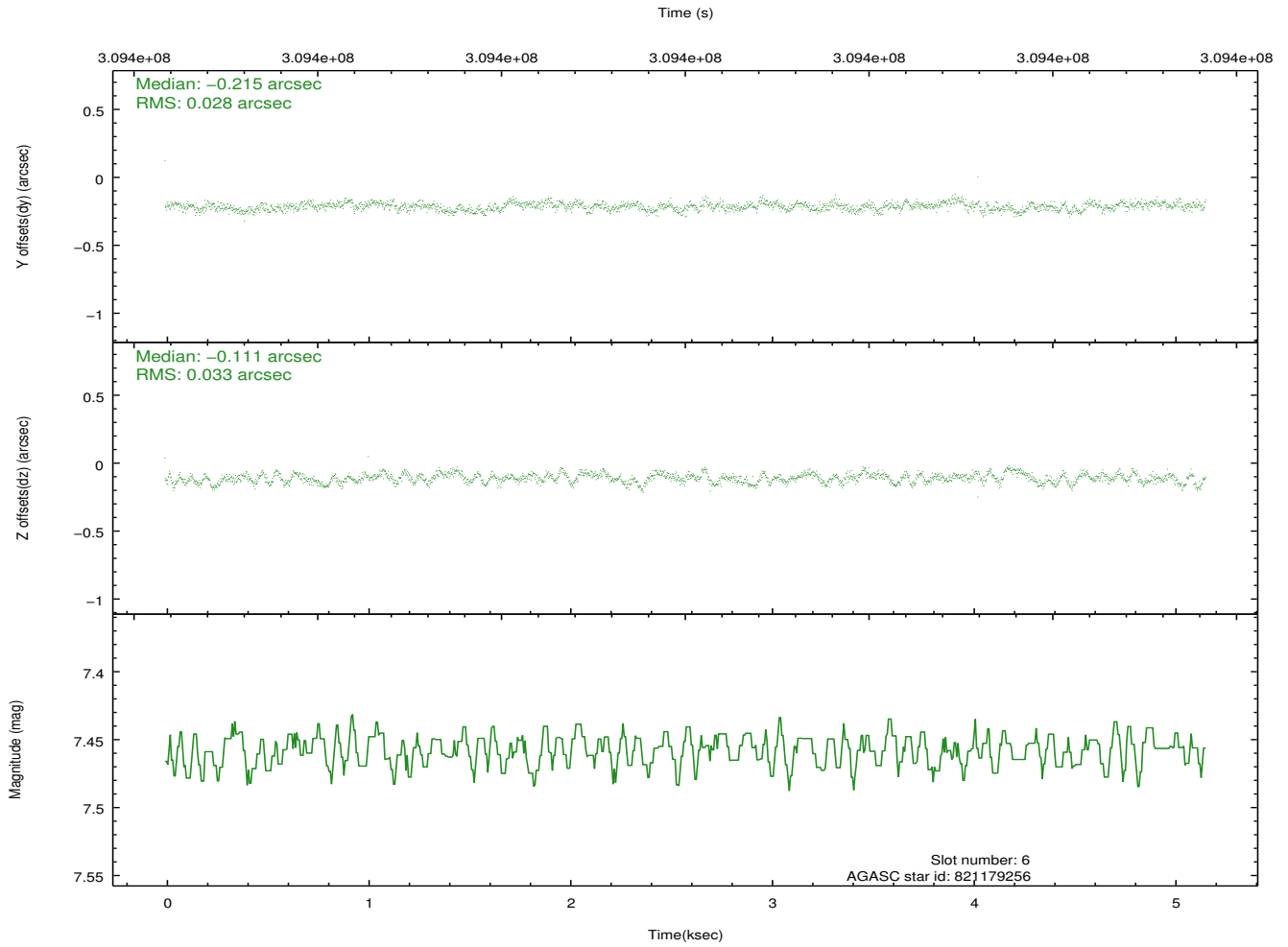
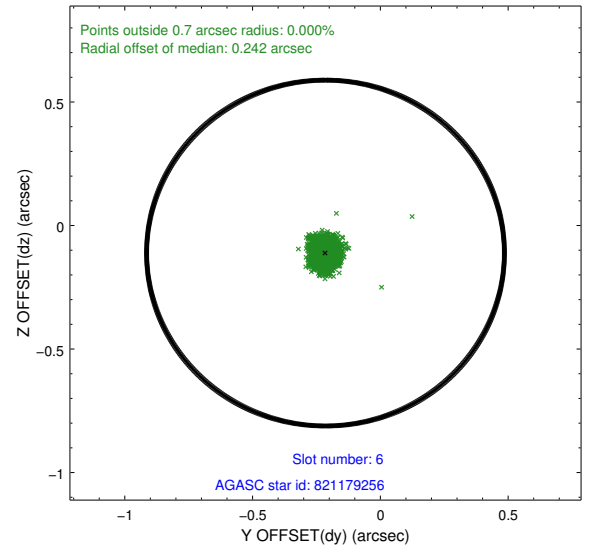
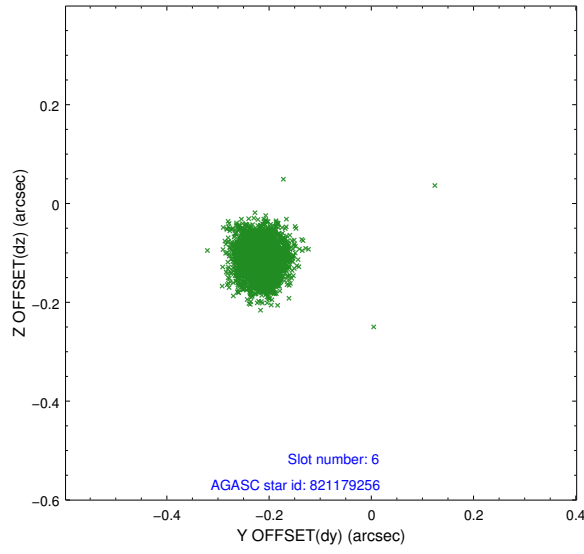
## 2.4.2 Slot 4



### 2.4.3 Slot 5

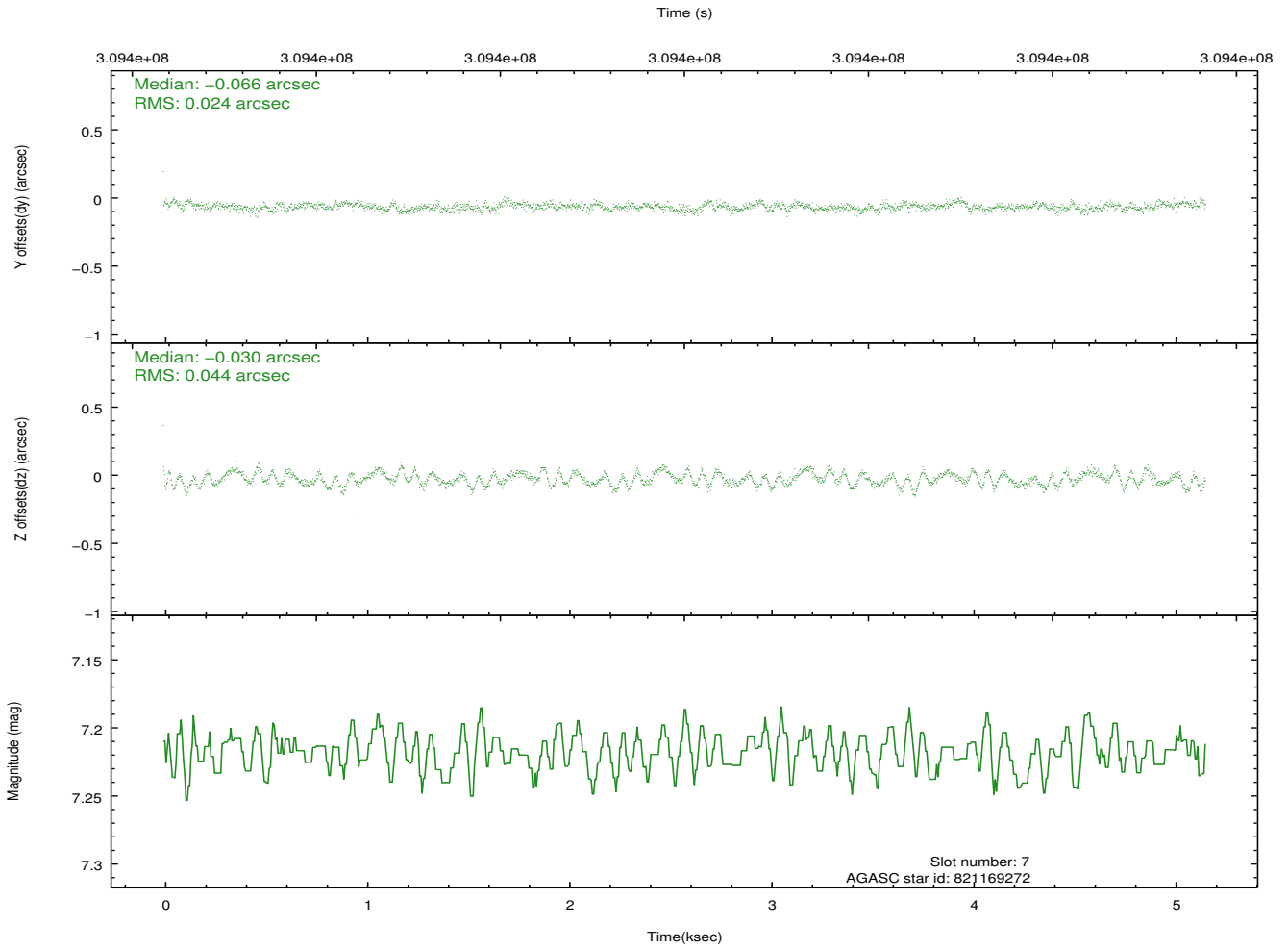
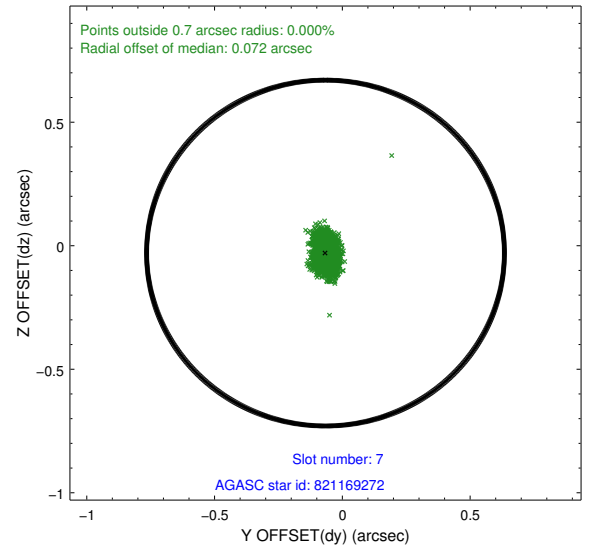
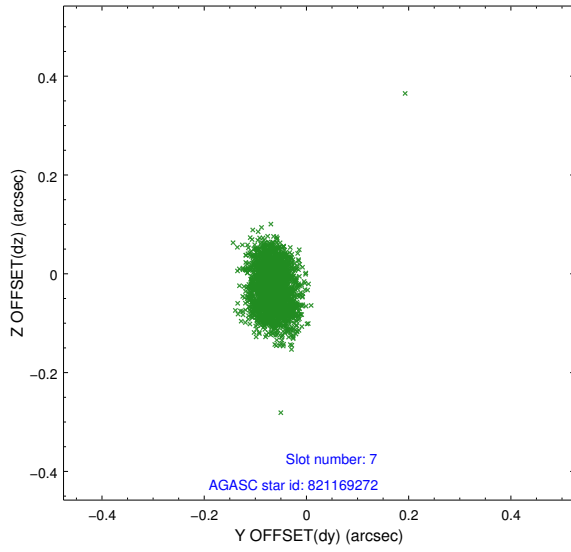


## 2.4.4 Slot 6



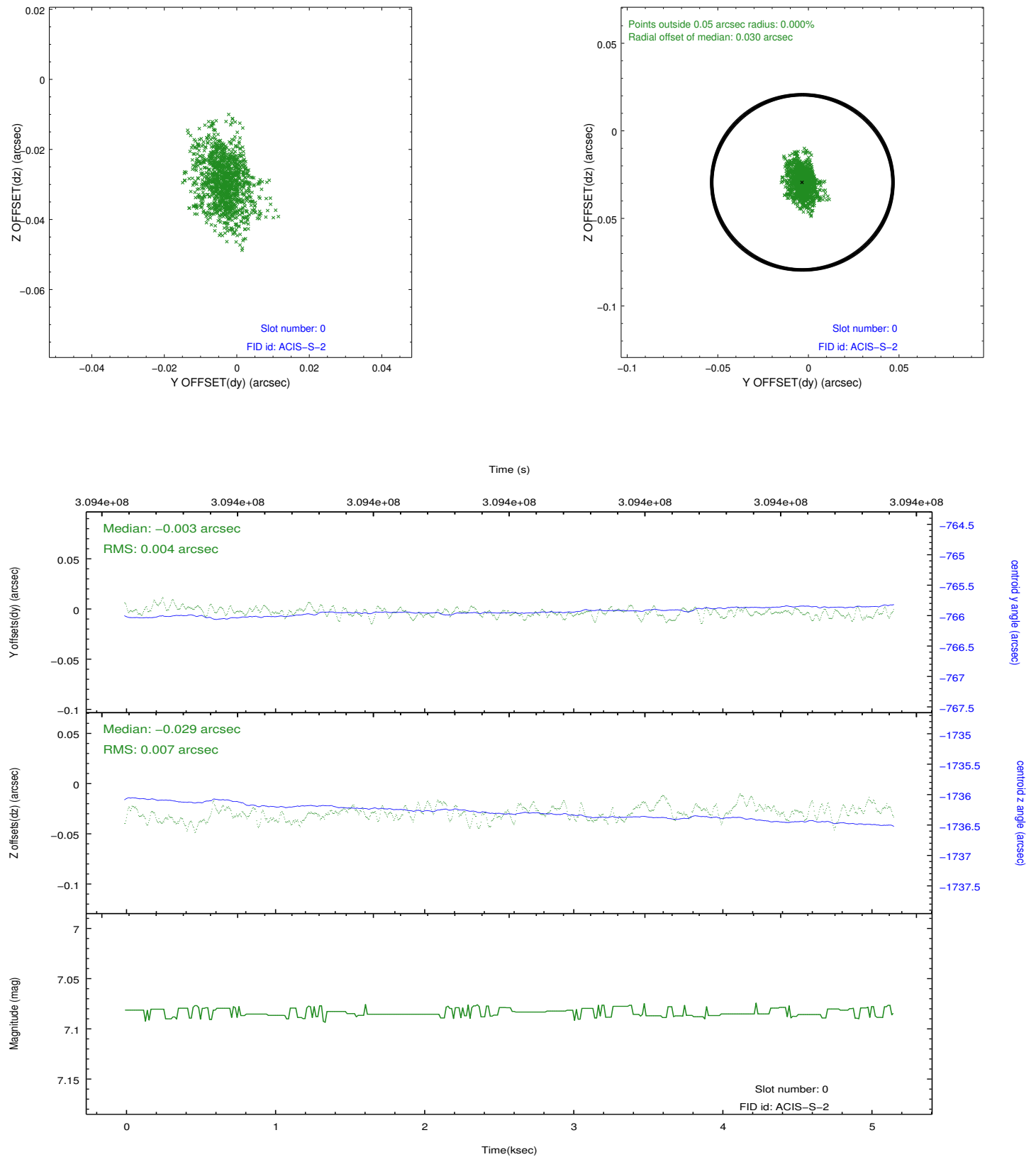


## 2.4.5 Slot 7

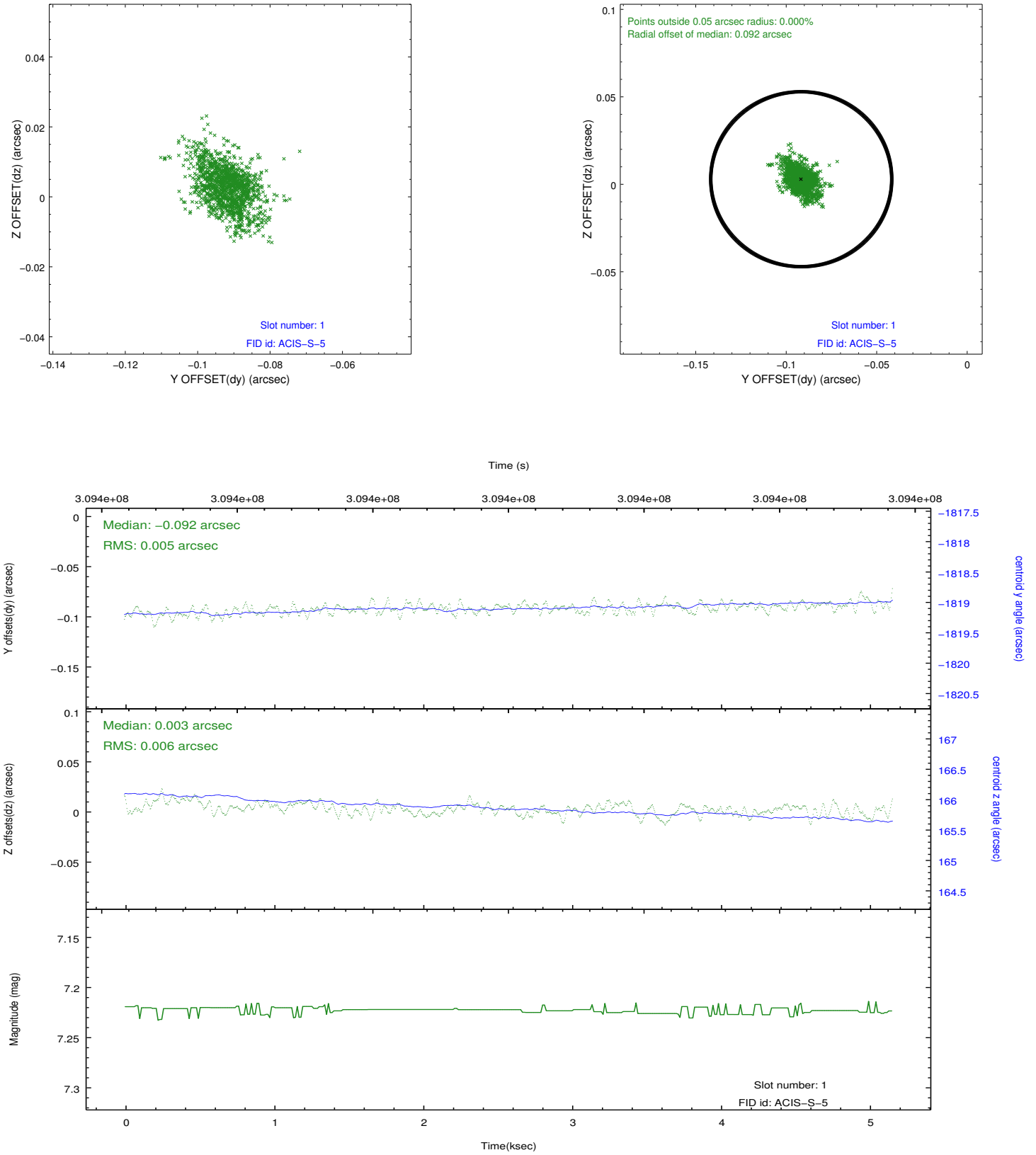


## 2.5 FID Slots

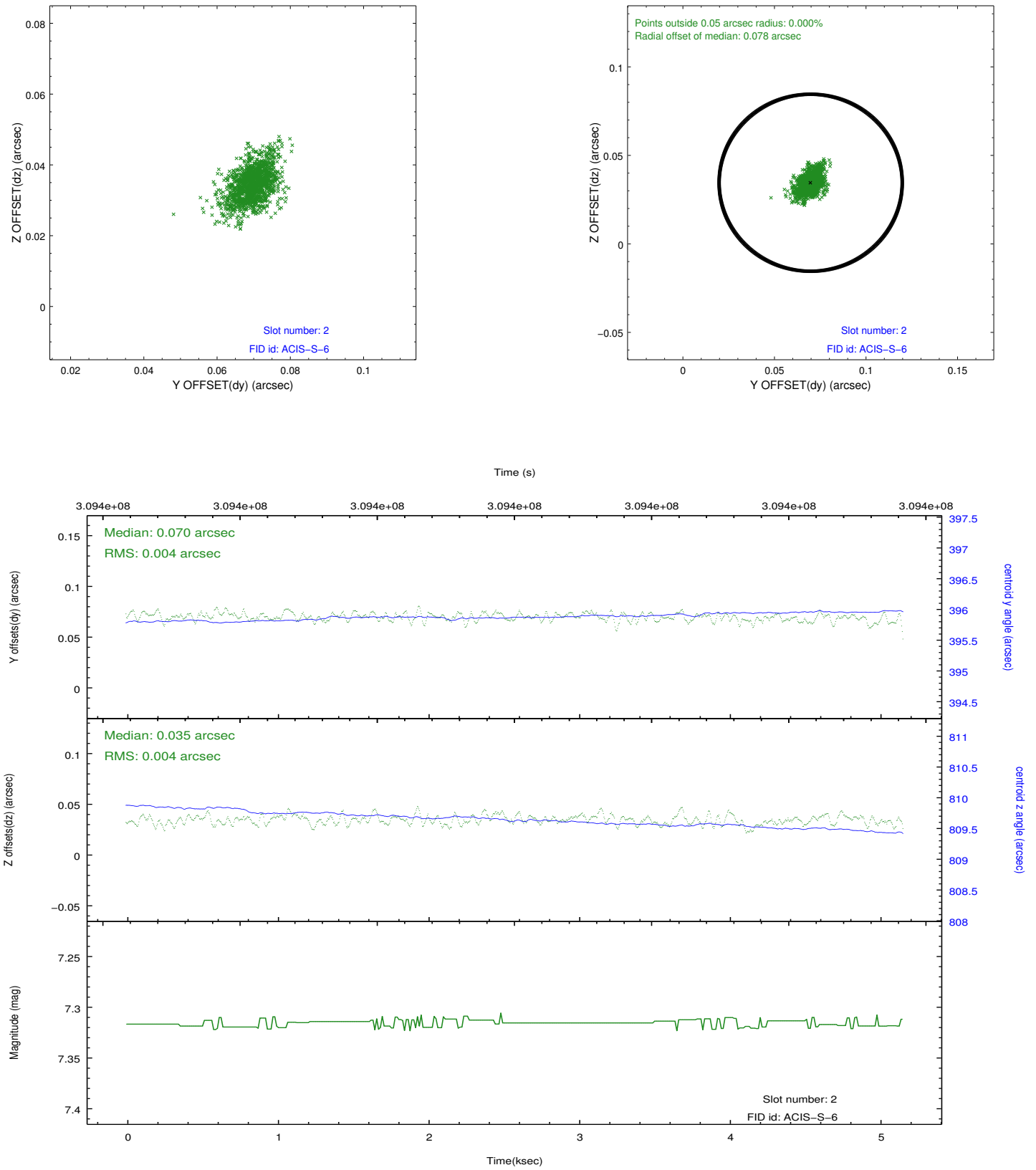
### 2.5.1 Slot 0



## 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	5.14879998

### A.2 Comments