

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 13269 - L2 Version 1  
Chandra X-Ray Center

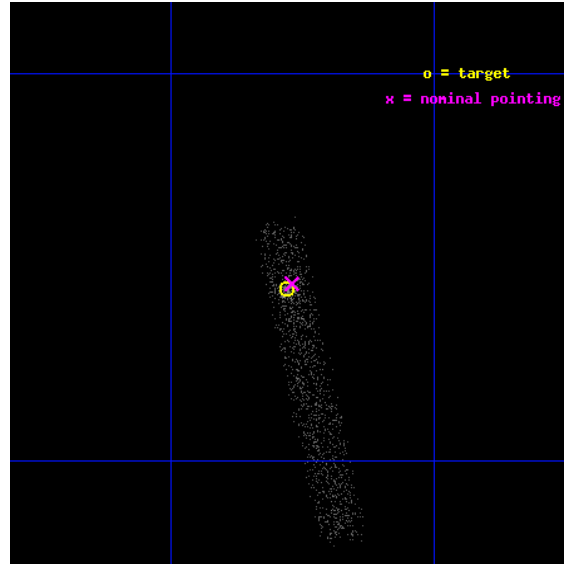
L2 Processing Date : Apr 25 2012

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# 1 Front

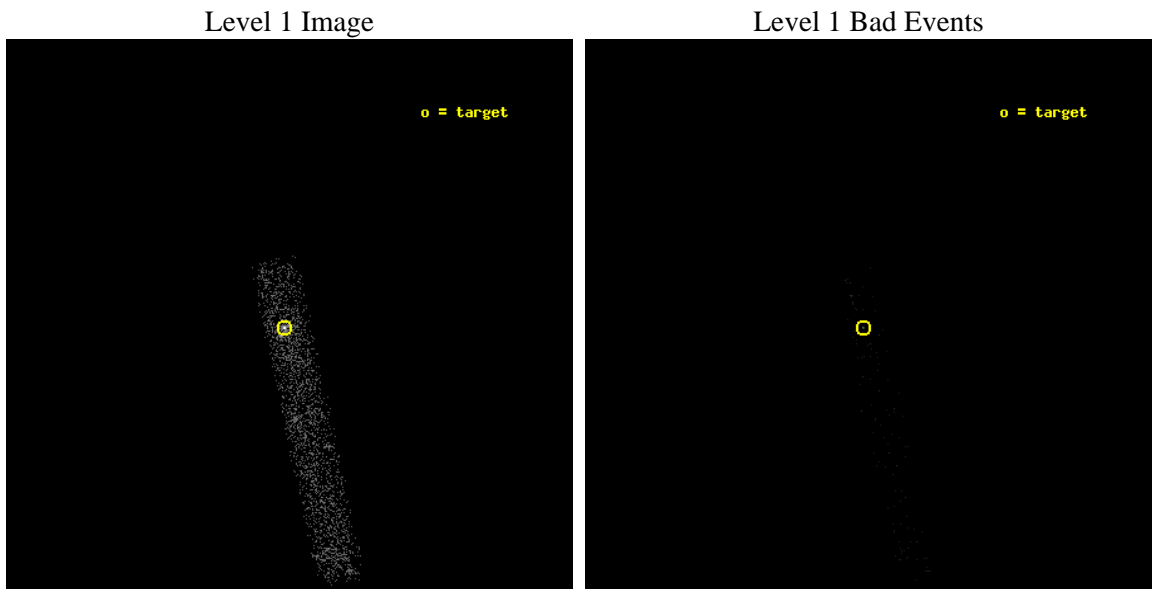
seq_num	200739	Sequence number
obs_id	13269	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries (GTO part)	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RXJ1622.7-2325_P2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.695	Observer's specified target RA [deg]
dec_targ	-23.425861	Observer's specified target Dec [deg]
ra_nom	245.69273312908	Nominal RA [deg]
dec_nom	-23.423715411835	Nominal Dec [deg]
roll_nom	77.774941785376	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3069.9919351339	Sum of GTIs [s]
livetime	2784.3206377054	Livetime [s]
ontime7	3069.9919351339	Sum of GTIs [s]
l2events	2452	Number of level 2 events



## 2 OBI

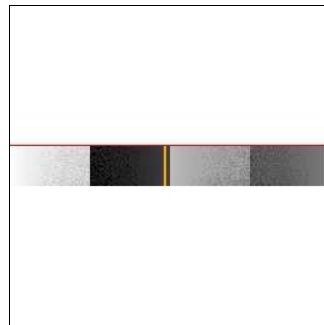
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3069.9919351339	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	3069.9919351339	Sum of GTIs [s]
date	2012-04-25T16:08:00	Date and time of file creation	l1events	3687	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

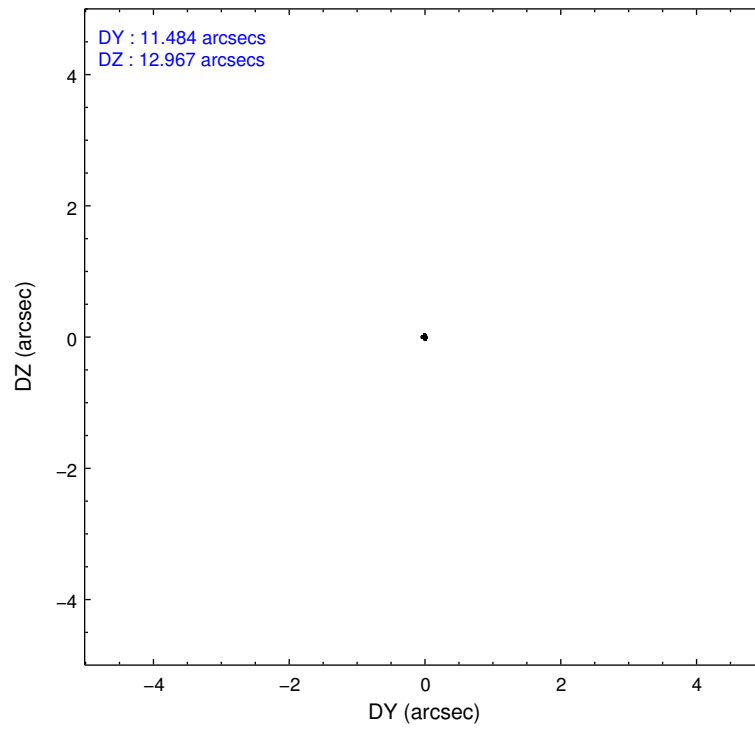
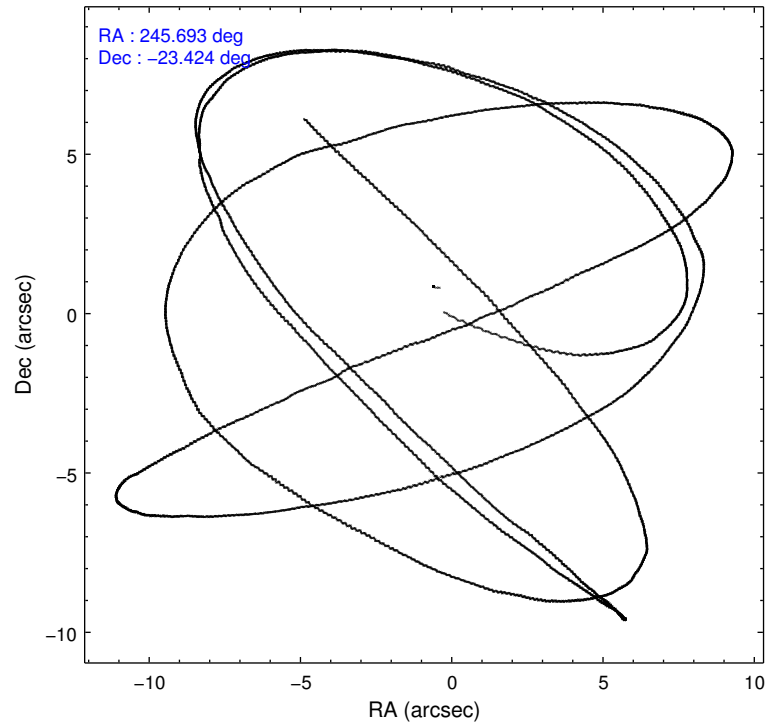
	<b>ccd 7</b>
level 1 events	3687
rejected events	1165
rejected %	<b>31%</b>

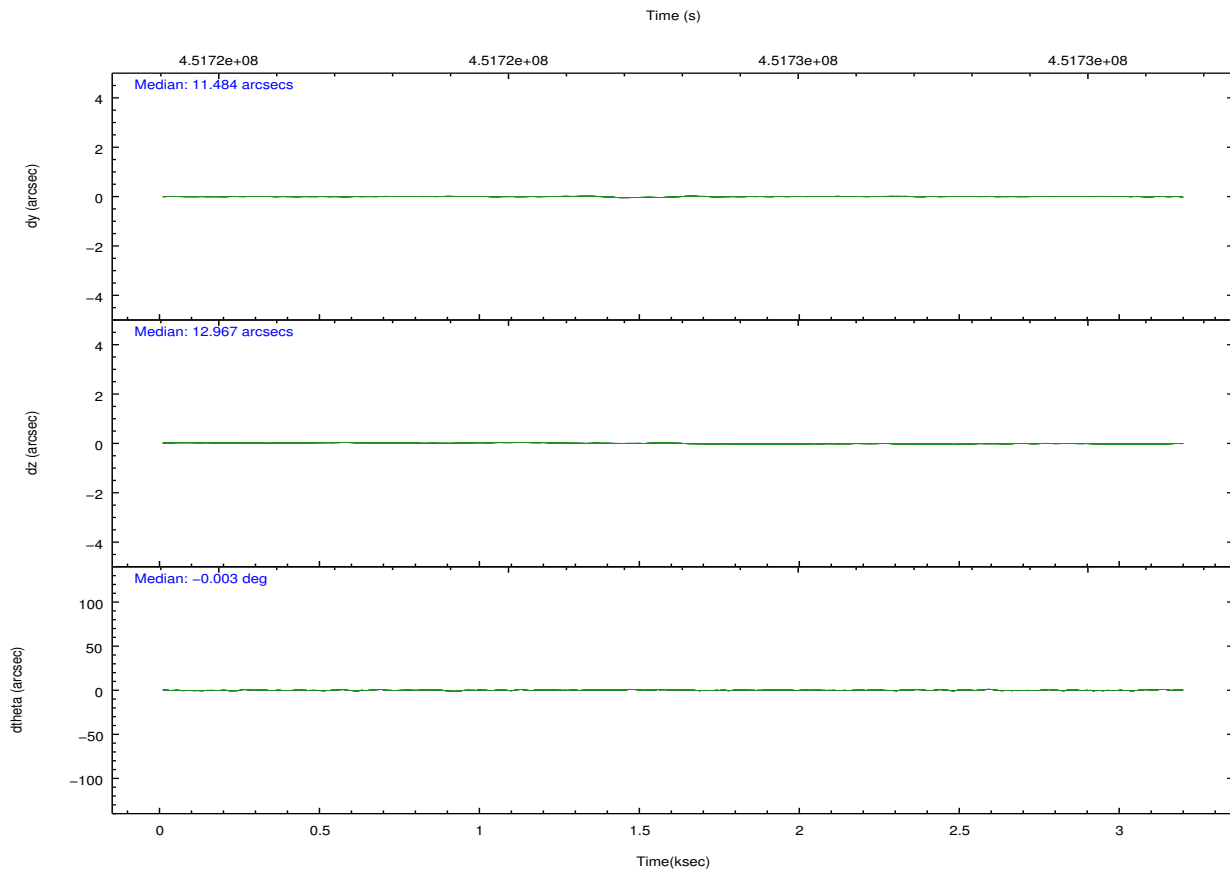
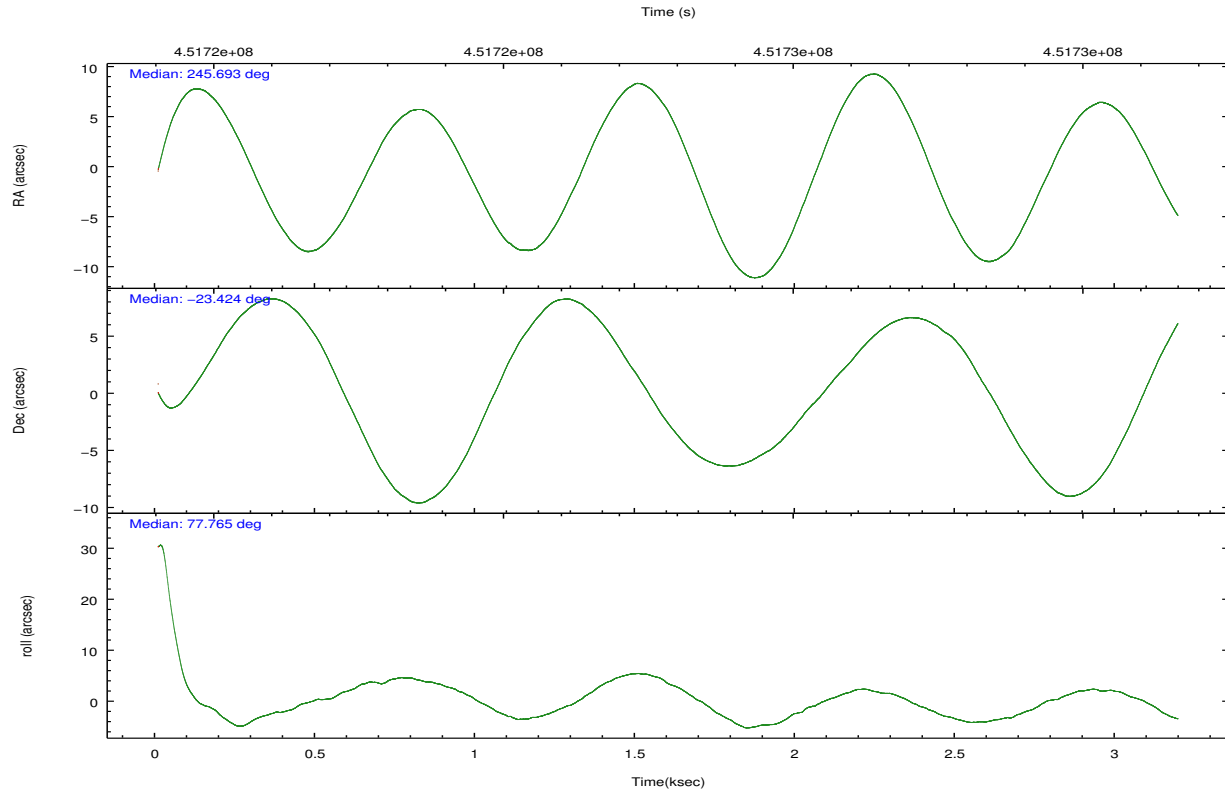
	<b>ccd 7</b>
grade 0 events	444
	12%
grade 1 events	10
	0%
grade 2 events	565
	15%
grade 3 events	316
	8%
grade 4 events	324
	8%
grade 5 events	248
	6%
grade 6 events	873
	23%
grade 7 events	907
	24%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	245.702141	245.6927331290778	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-23.449655	-23.42371541183547	Subarray start row	449	449
[deg] Pointing Roll	77.621905	77.77494178537583	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	451724168.184000	451723384.63582			
Observation start date	2012-04-25T06:55:02	2012-04-25T06:43:04			
[s] Observation end time (MET)	451727168.184000	451727627.62355			
Observation end date	2012-04-25T07:45:02	2012-04-25T07:53:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect



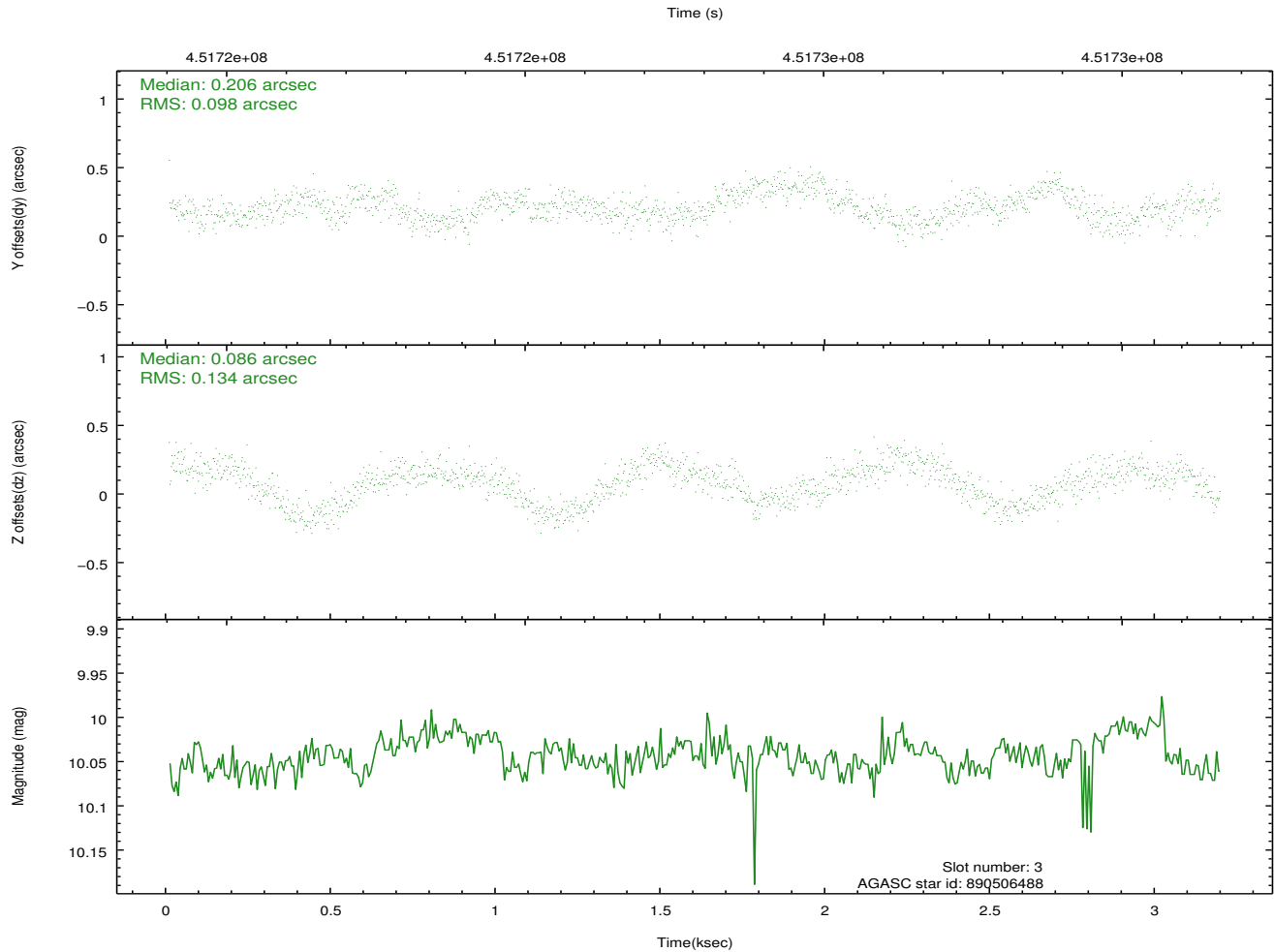
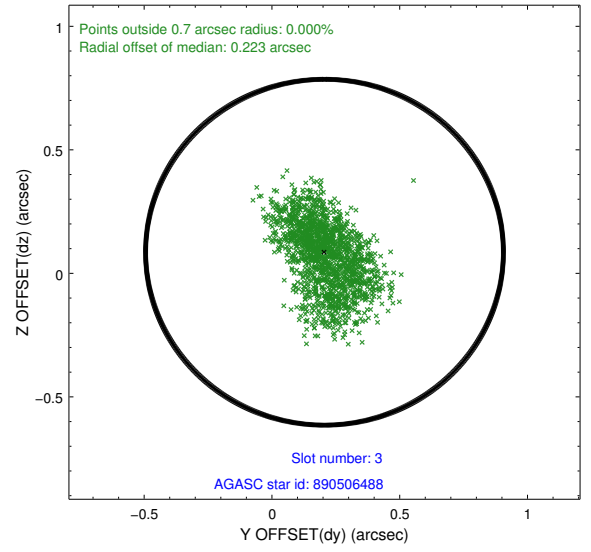
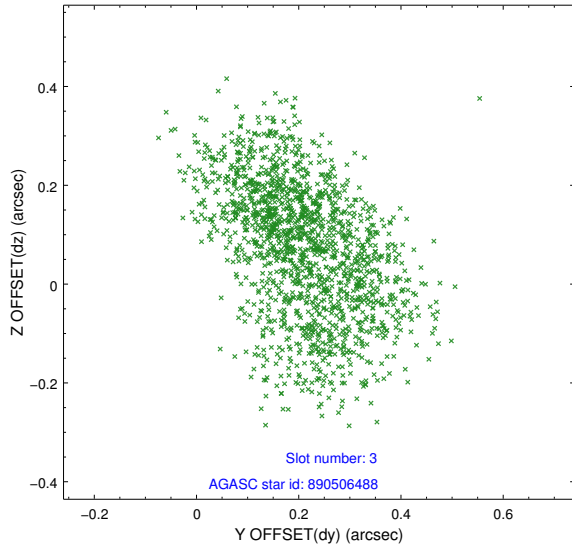


### Slot Statistics

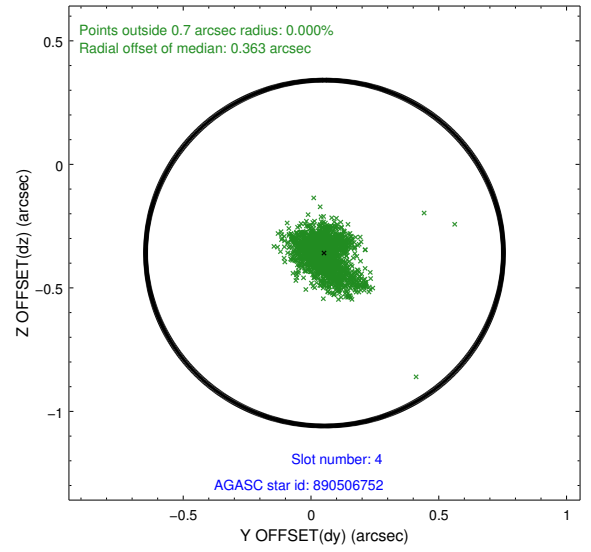
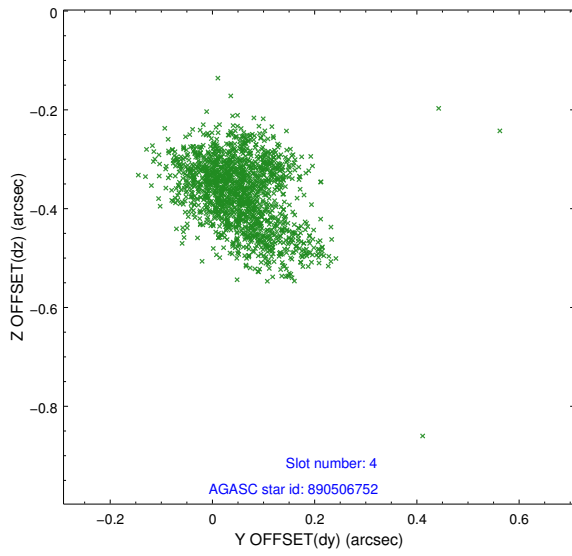
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	778	-0.036	-0.028	0.006	0.011	0.000000	0.000000	-764.41	-1734.31
1	FID	ACIS-S-4	7.03	778	0.146	0.025	0.005	0.011	0.000000	0.000000	2148.16	172.12
2	FID	ACIS-S-5	7.07	778	-0.142	0.012	0.007	0.011	0.000000	0.000000	-1814.78	168.10
3	GUIDE	890506488	10.04	1555	0.206	0.086	0.179	0.286	245.044034	-23.803431	-1714.11	1843.93
4	GUIDE	890506752	8.81	1556	0.053	-0.359	0.100	0.171	245.184812	-23.845052	-1759.74	1359.28
5	GUIDE	890507200	10.33	1543	0.073	-0.066	0.260	0.389	245.241102	-23.876227	-1829.40	1154.16
6	GUIDE	890507552	7.42	1556	-0.161	0.298	0.097	0.172	246.396169	-23.405213	641.15	-2204.60
7	GUIDE	890507576	7.38	1555	-0.158	0.050	0.064	0.106	245.329963	-23.707983	-1173.08	997.77

## 2.4 Star Slots

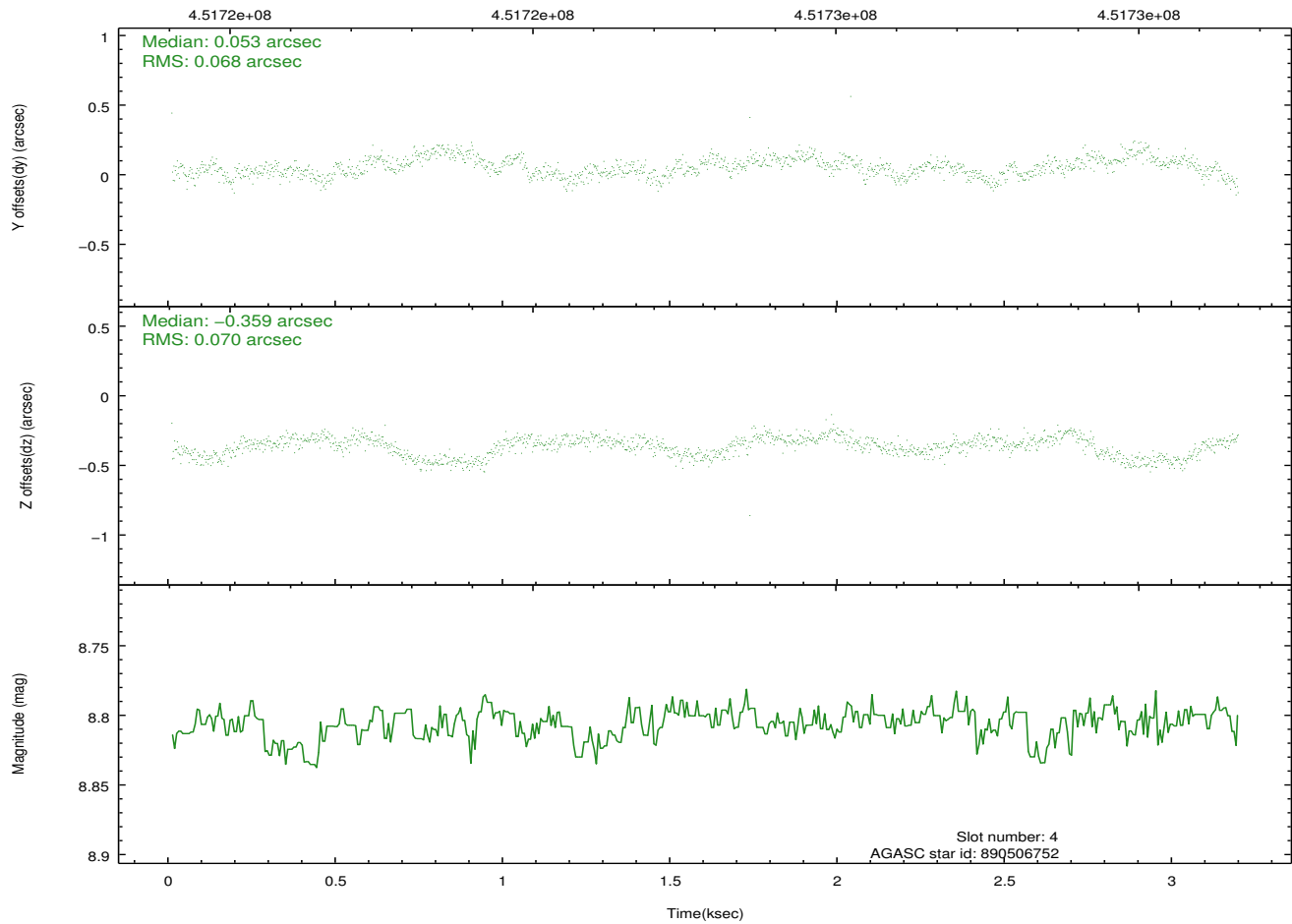
### 2.4.1 Slot 3



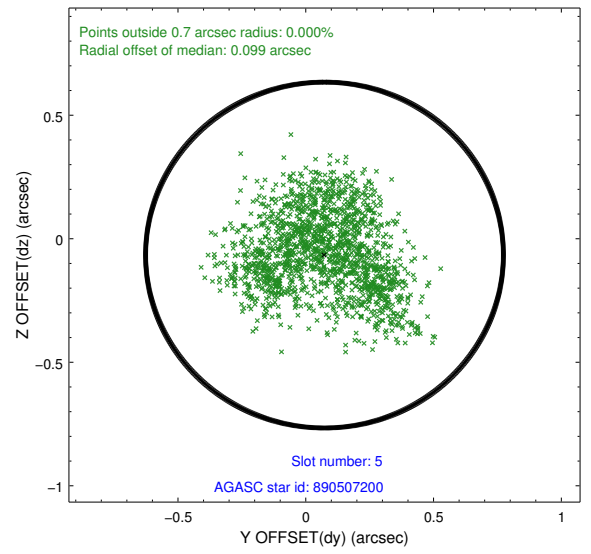
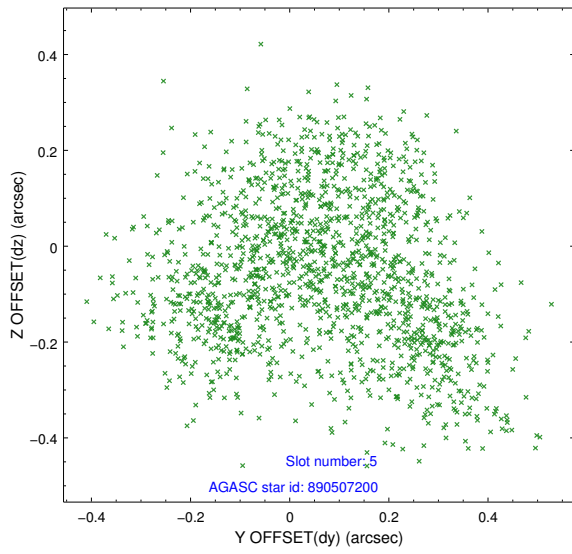
### 2.4.2 Slot 4



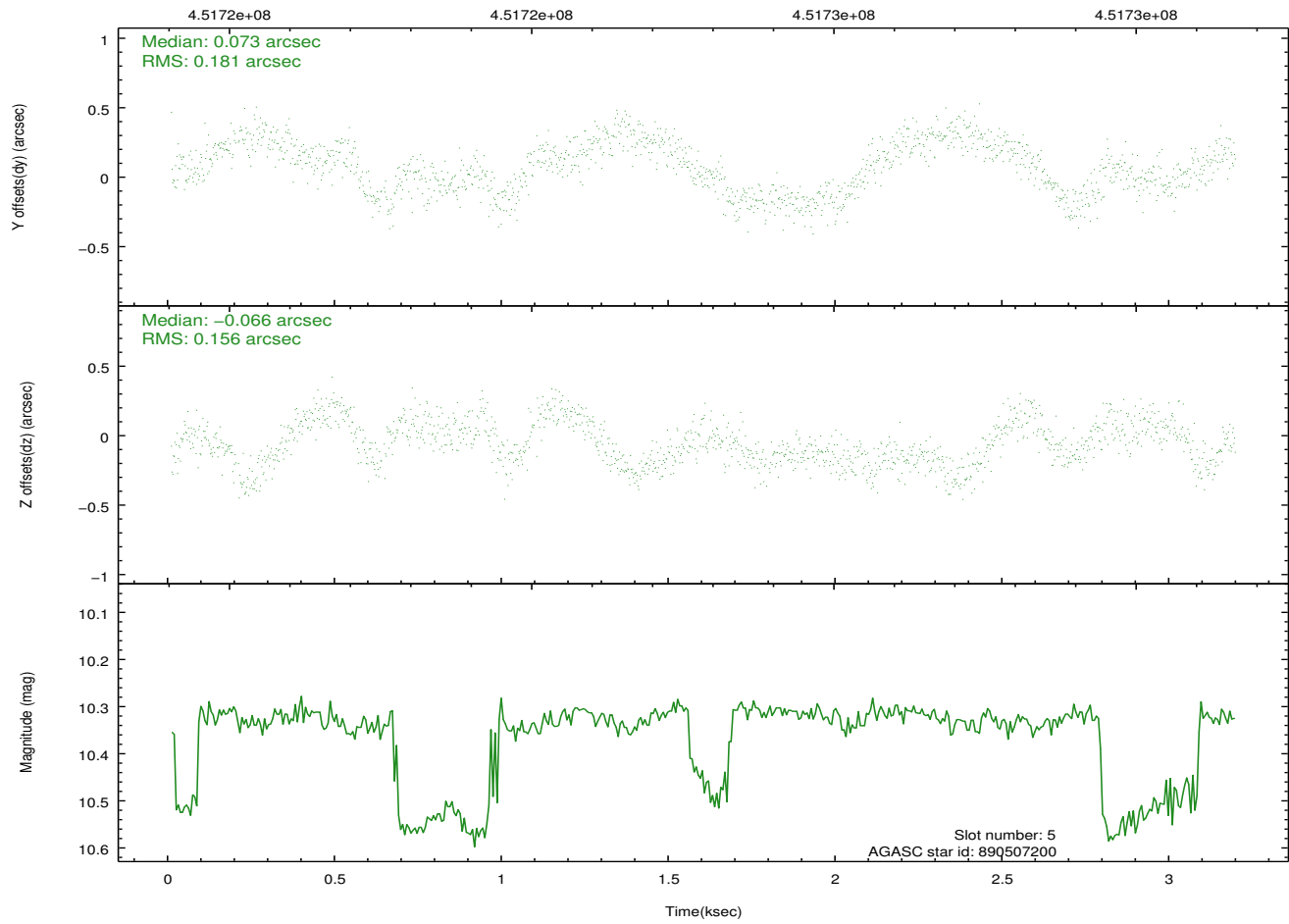
Time (s)



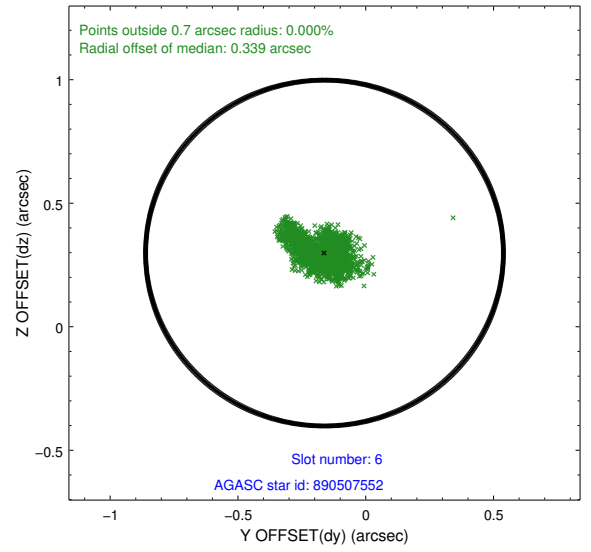
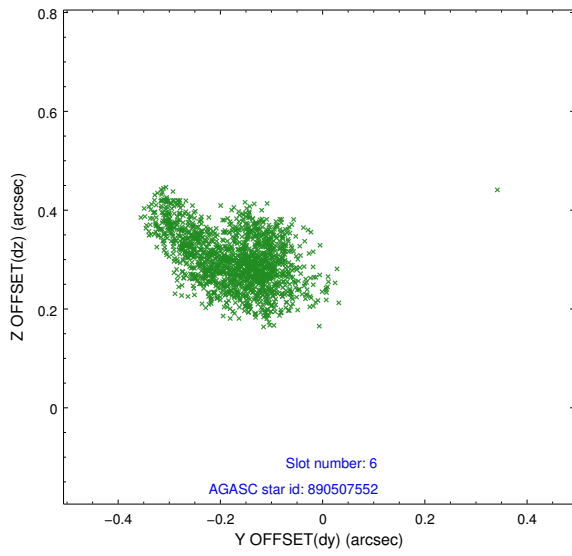
### 2.4.3 Slot 5



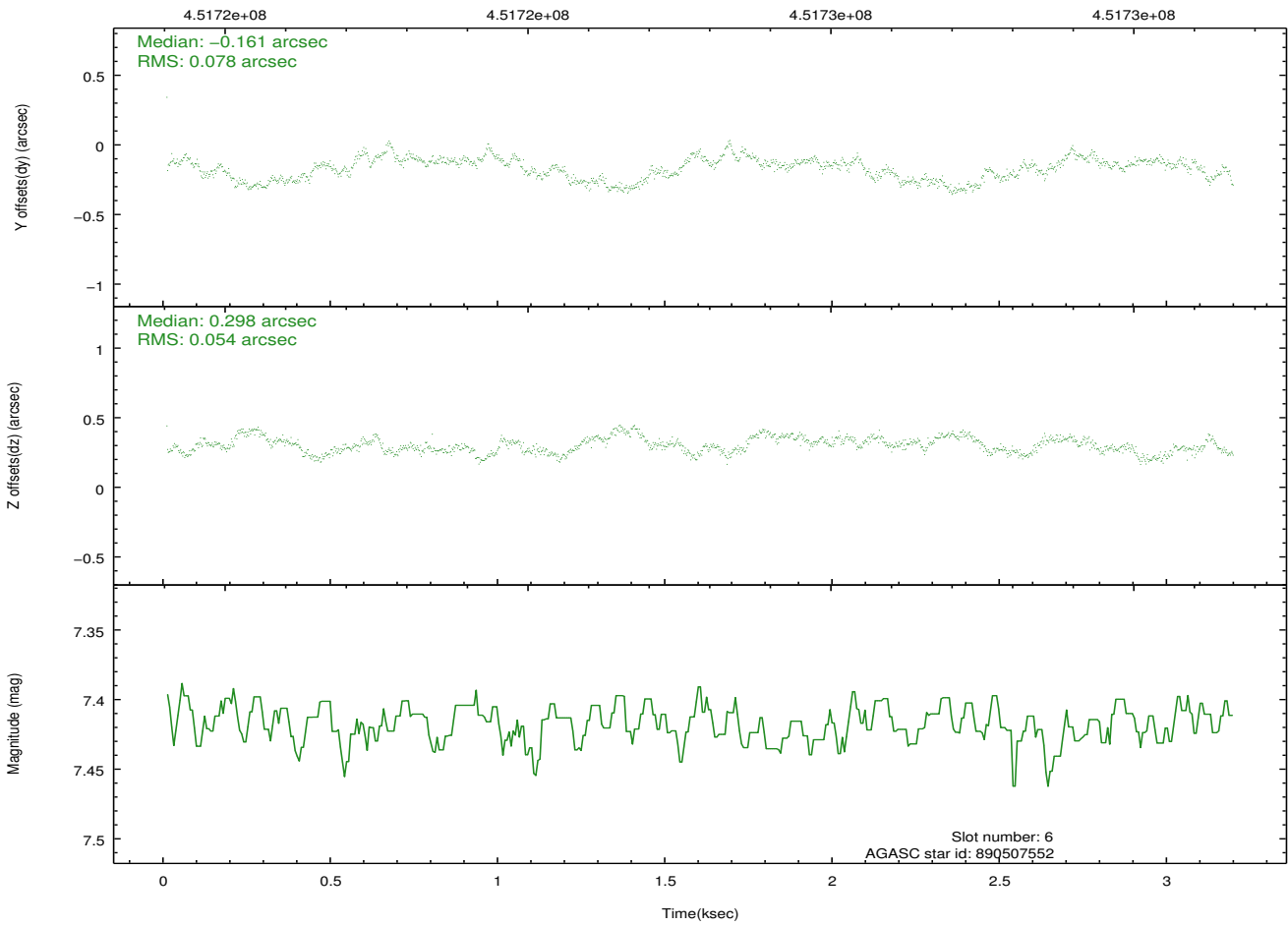
Time (s)



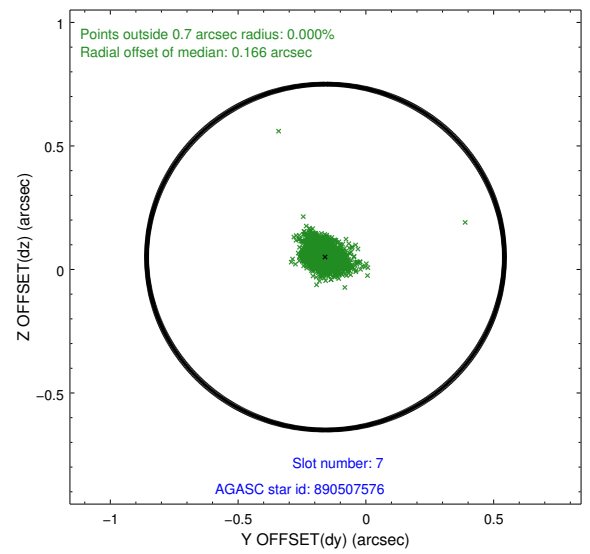
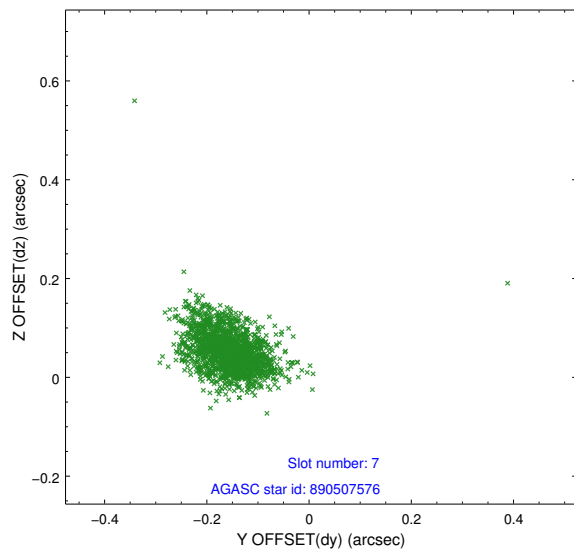
### 2.4.4 Slot 6



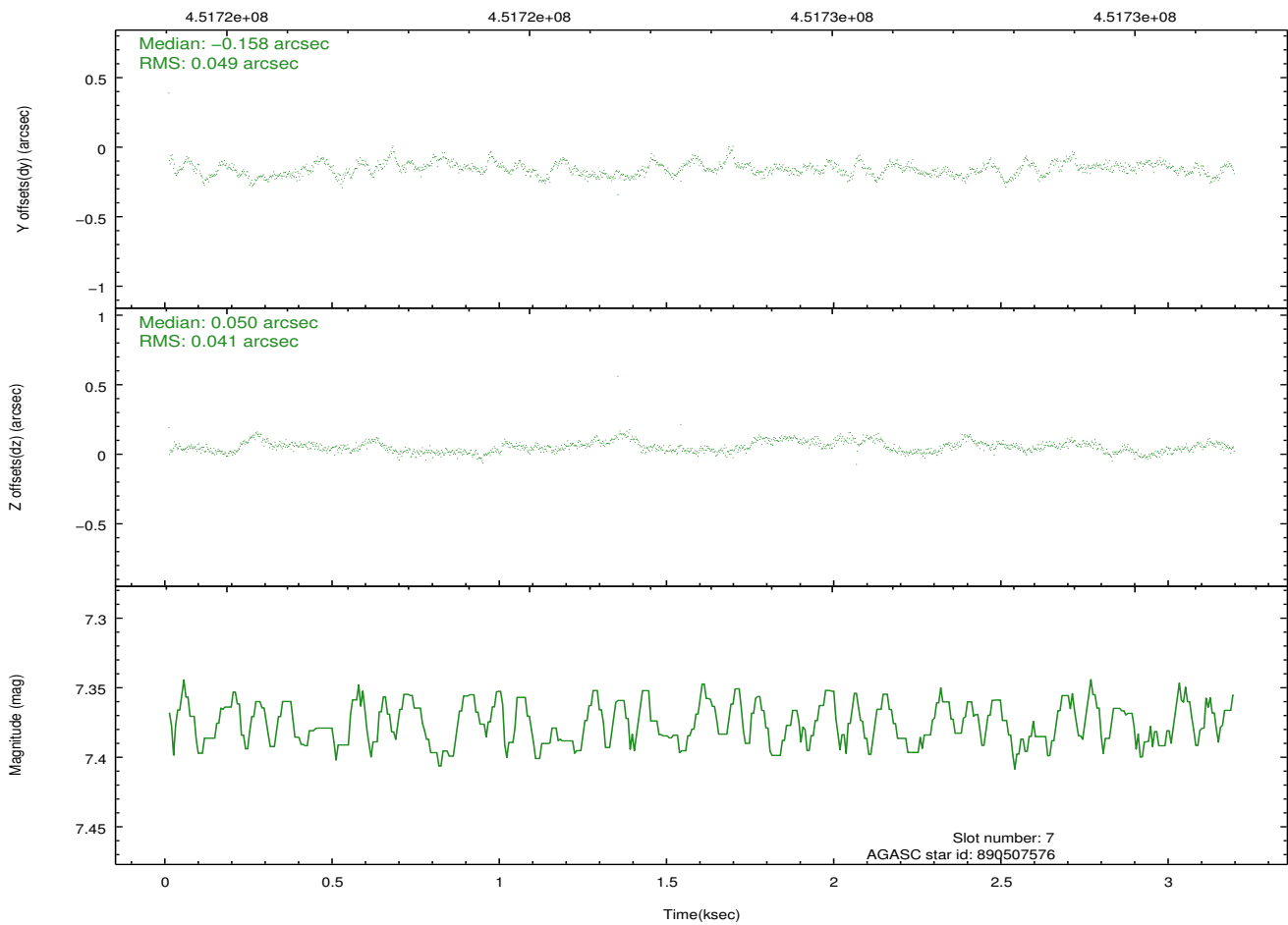
Time (s)



## 2.4.5 Slot 7

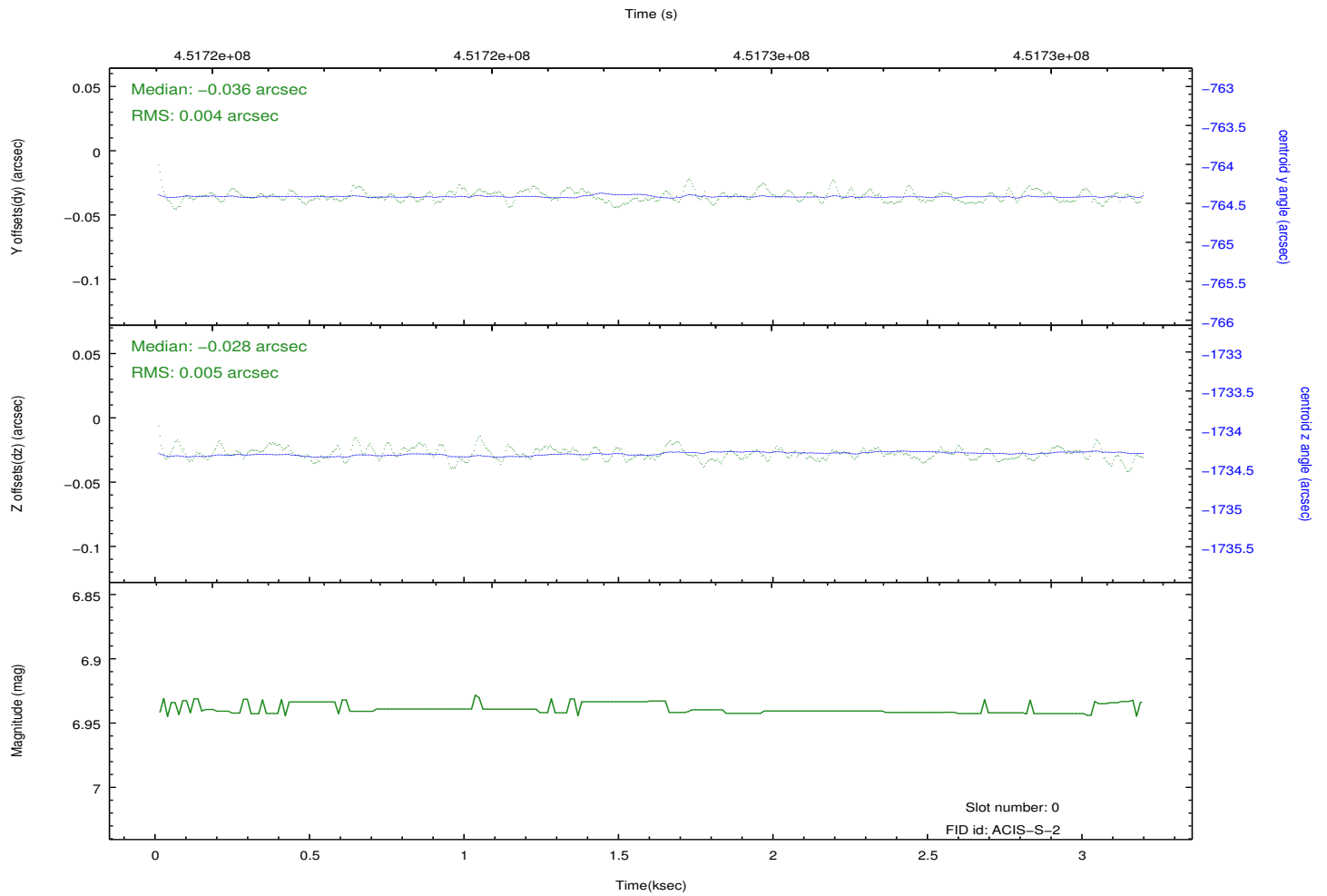
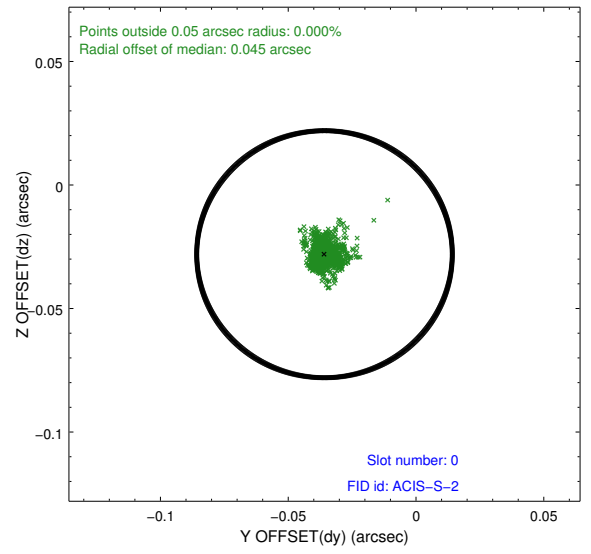
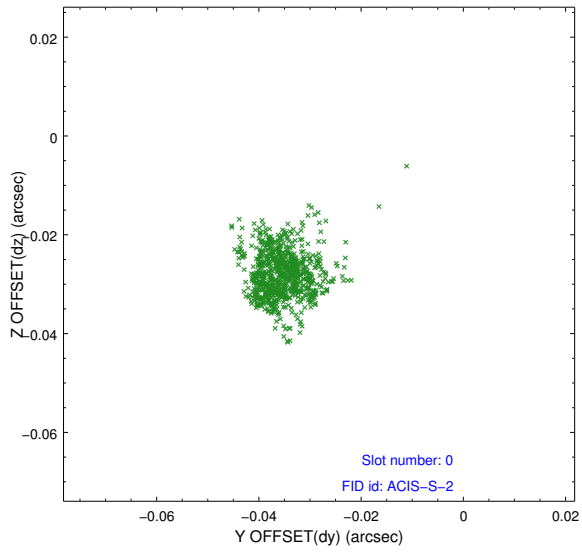


Time (s)

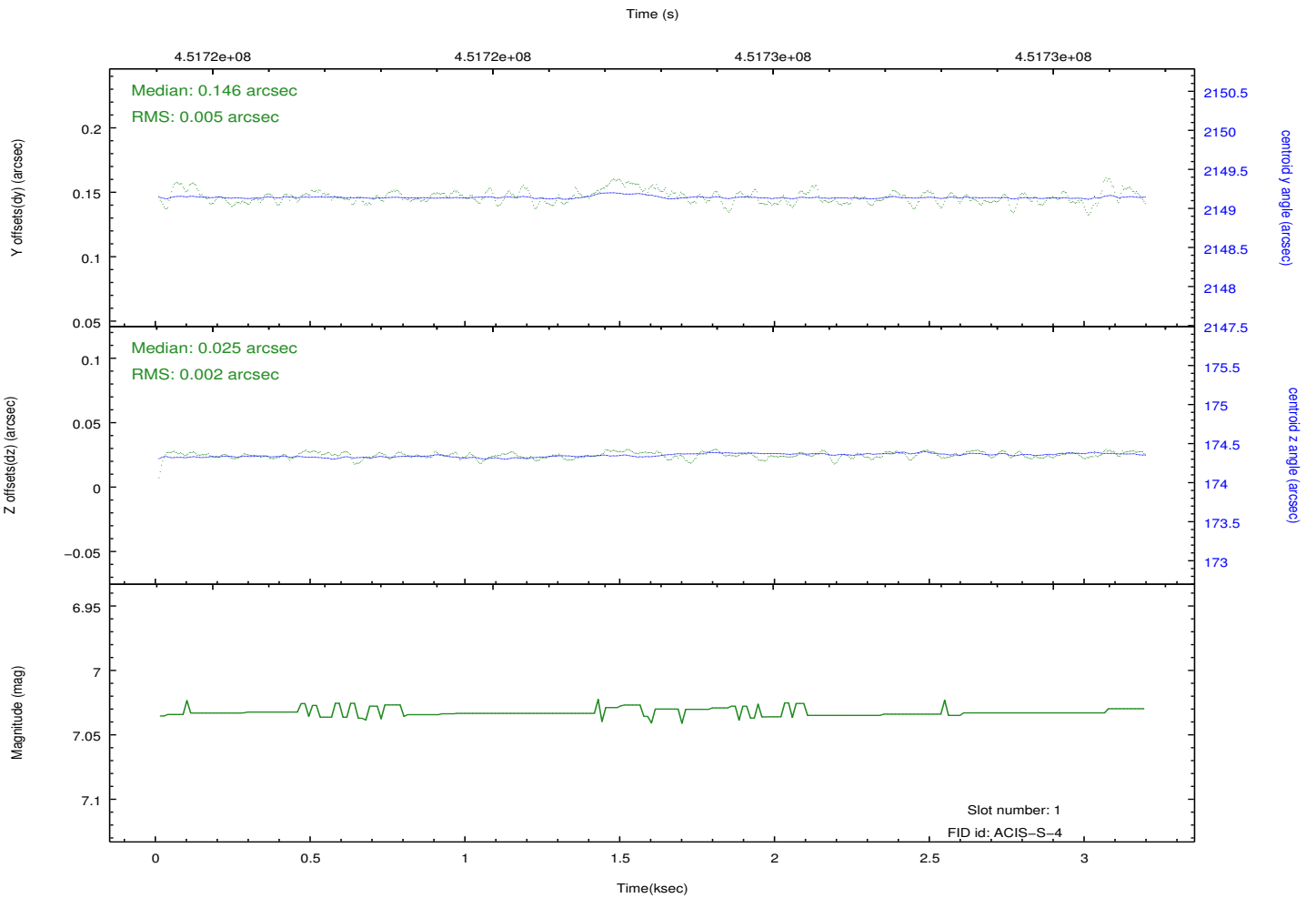
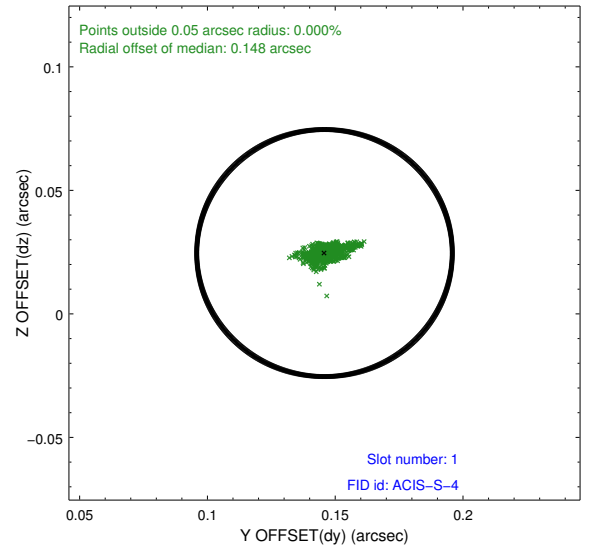
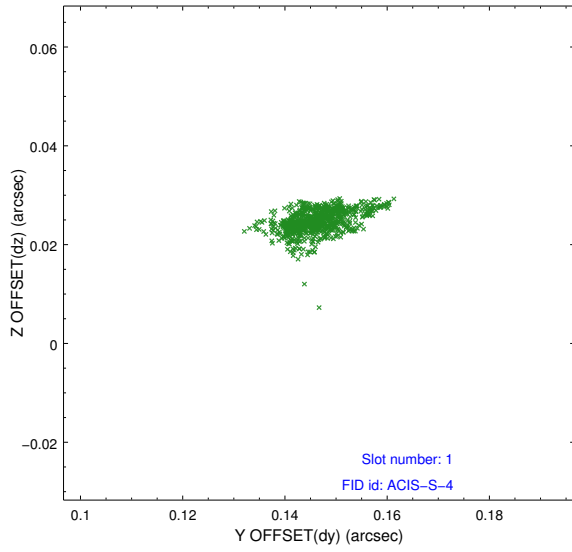


## 2.5 FID Slots

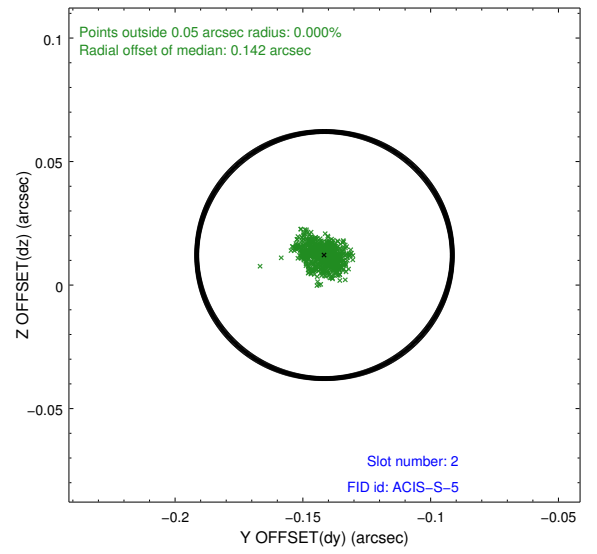
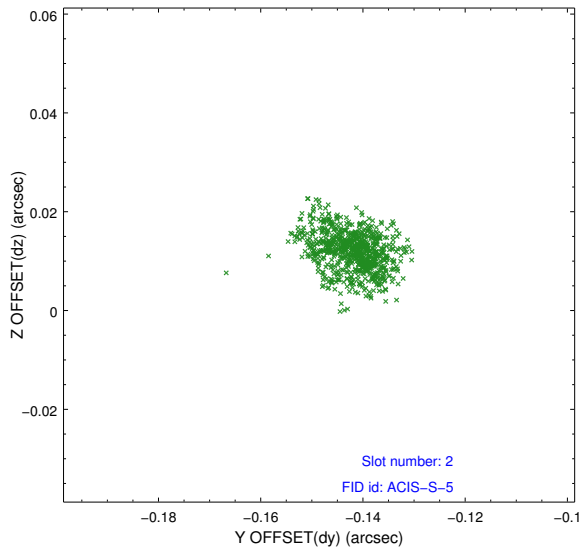
### 2.5.1 Slot 0



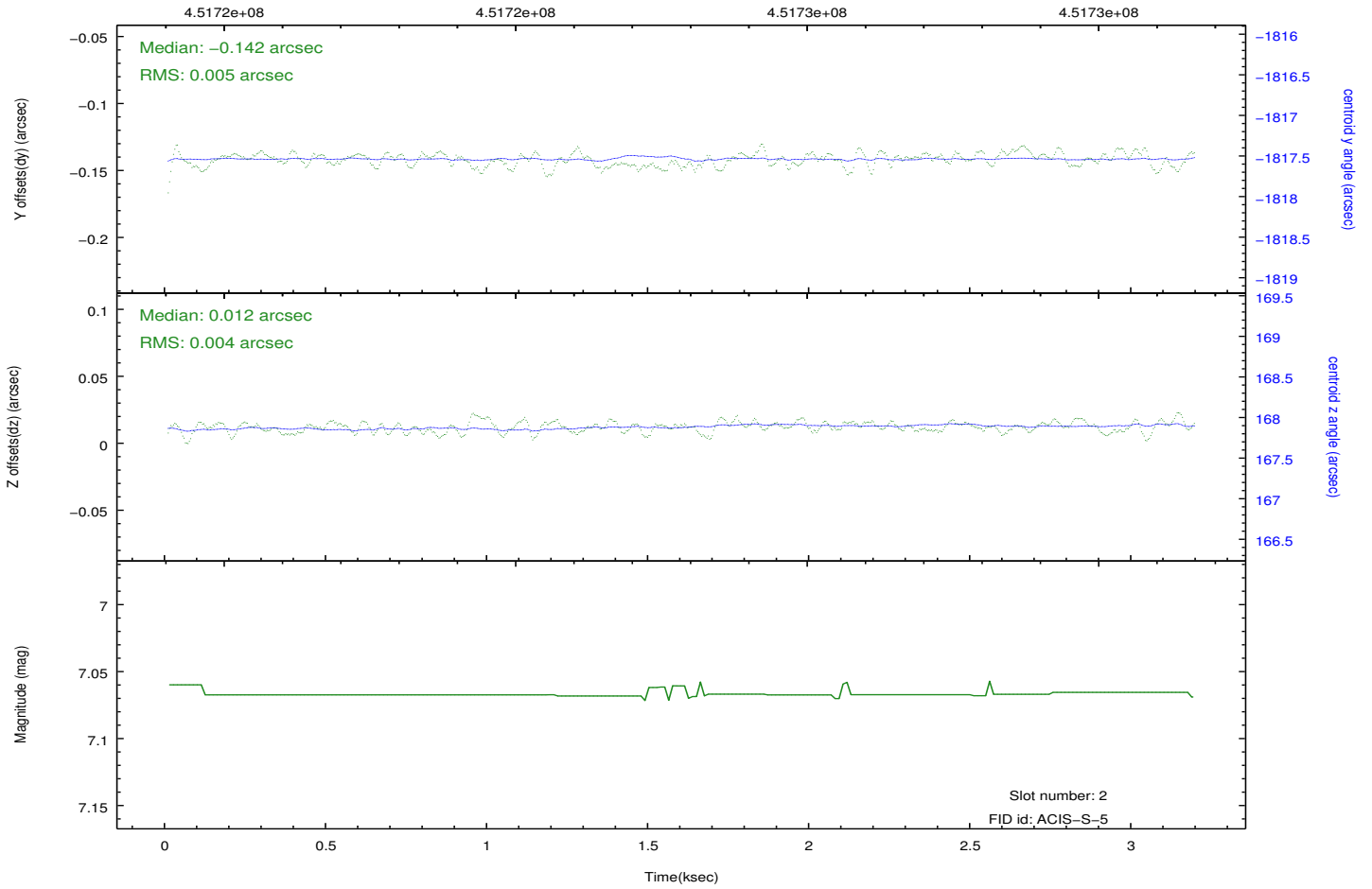
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0699919351339

## A.2 Comments