

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7266 - L2 Version 2  
Chandra X-Ray Center

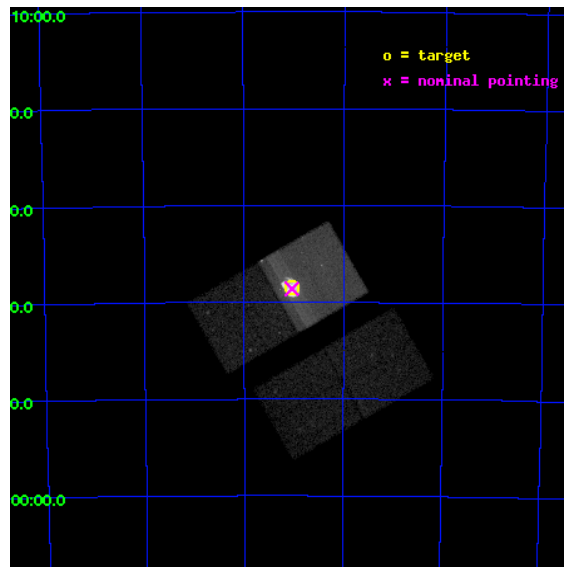
L2 Processing Date : Mar 23 2012

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# 1 Front

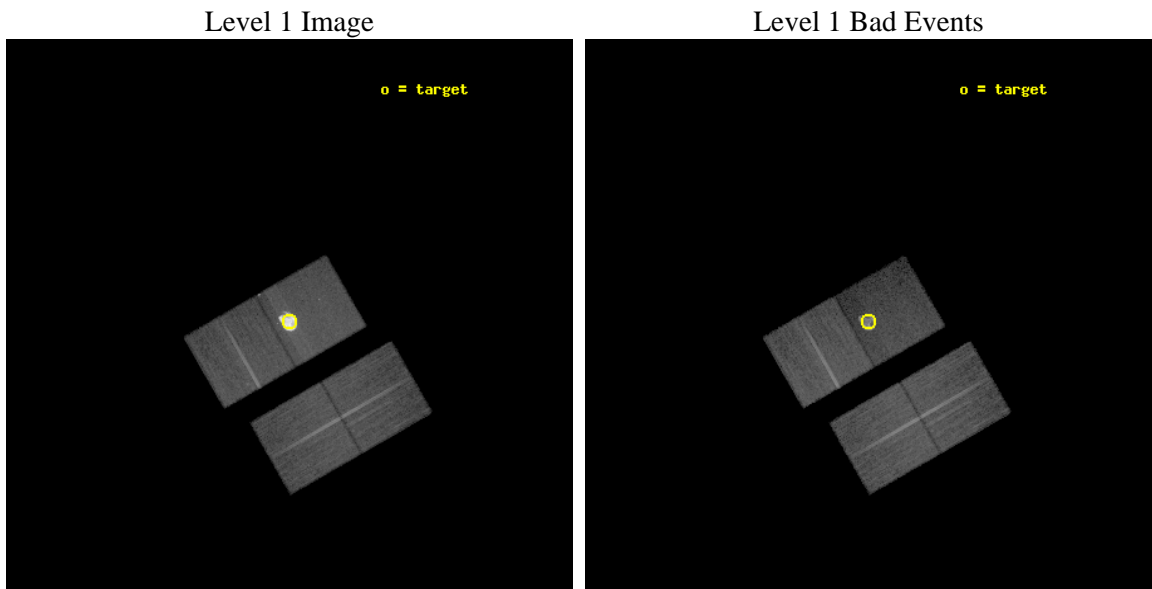
seq_num	500526	Sequence number
obs_id	7266	Observation id
title	The Oxygen-Rich SNR N132D: Ejecta Detection and Chemical Abundances	&#160
observer	Dr. Kazimierz Borkowski	Principal investigator
object	N132D	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.25875	Observer's specified target RA [deg]
dec_targ	-69.641667	Observer's specified target Dec [deg]
ra_nom	81.259481787616	Nominal RA [deg]
dec_nom	-69.643728732227	Nominal Dec [deg]
roll_nom	330.15728704621	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20159.299961209	Sum of GTIs [s]
livetime	19895.903866155	Livetime [s]
ontime2	20159.299961209	Sum of GTIs [s]
ontime3	20156.158961028	Sum of GTIs [s]
ontime6	20159.299961209	Sum of GTIs [s]
ontime7	20159.299961209	Sum of GTIs [s]
l2events	744977	Number of level 2 events



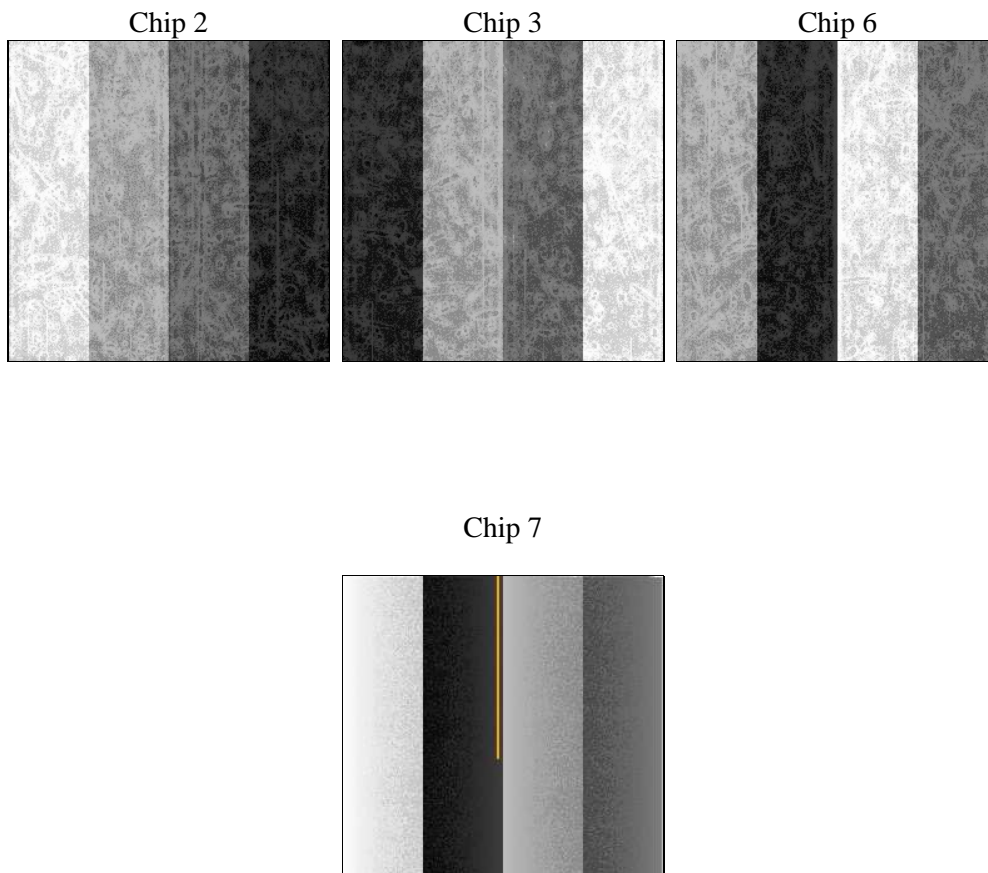
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	20159.299961209	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime2	20159.299961209	Sum of GTIs [s]
date	2012-03-23T14:28:07	Date and time of file creation	ontime3	20156.158961028	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	20159.299961209	Sum of GTIs [s]
			ontime7	20159.299961209	Sum of GTIs [s]
			l1events	1259481	Number of level 1 events

### 2.1.4 Events

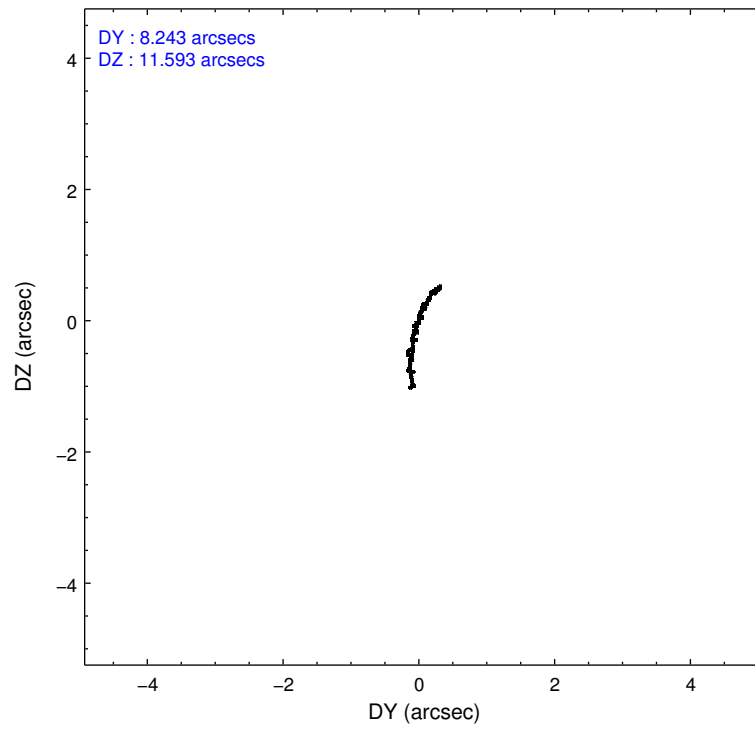
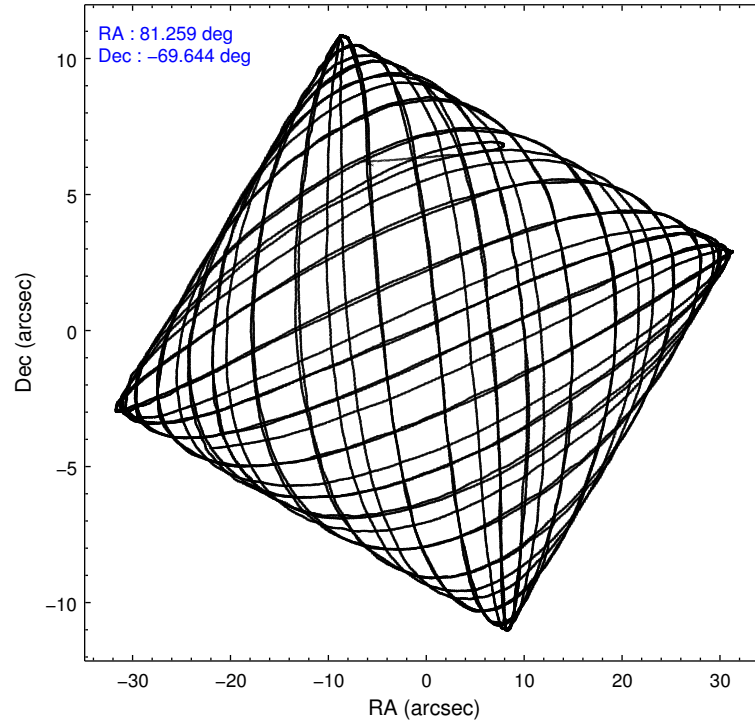
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153907	141608	151176	812790
rejected events	139946	128049	134001	99031
rejected %	90%	90%	88%	12%

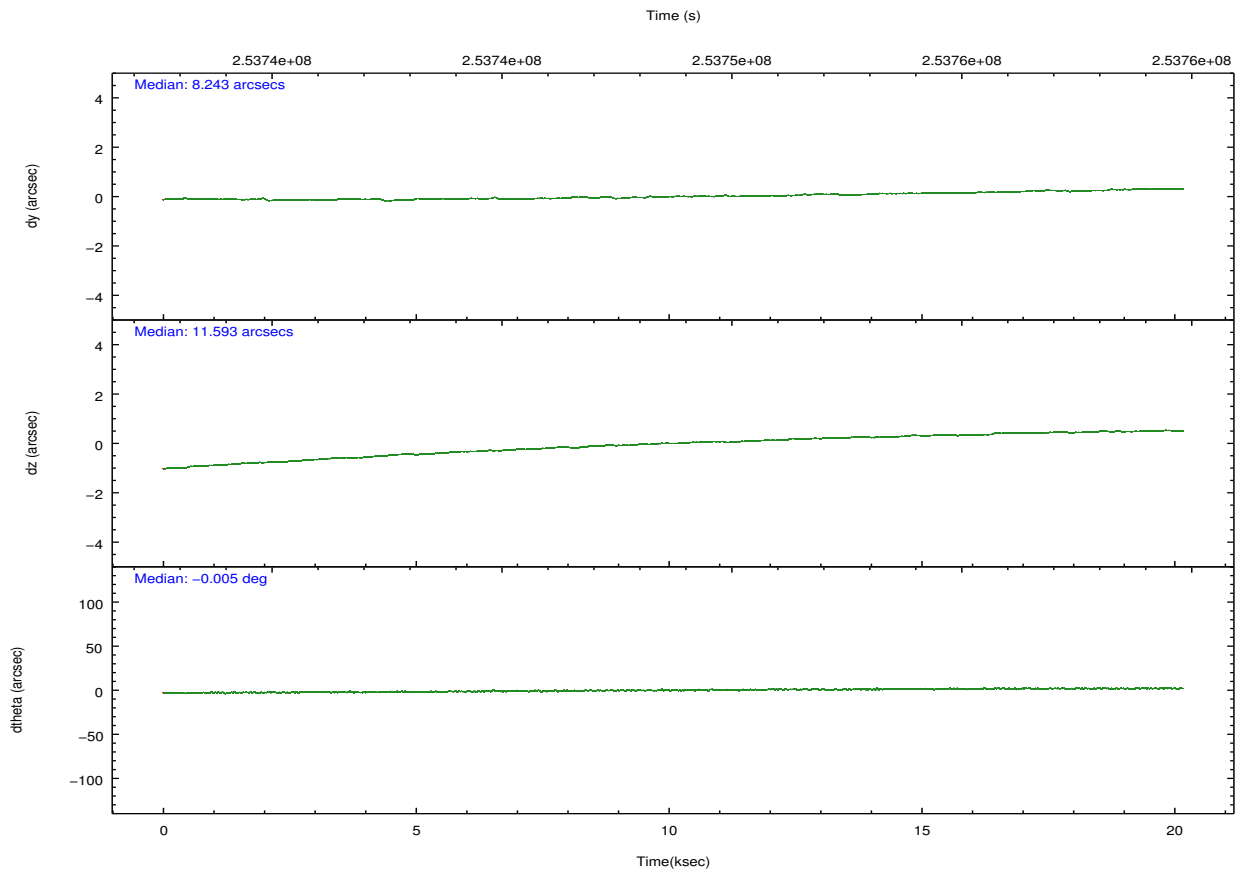
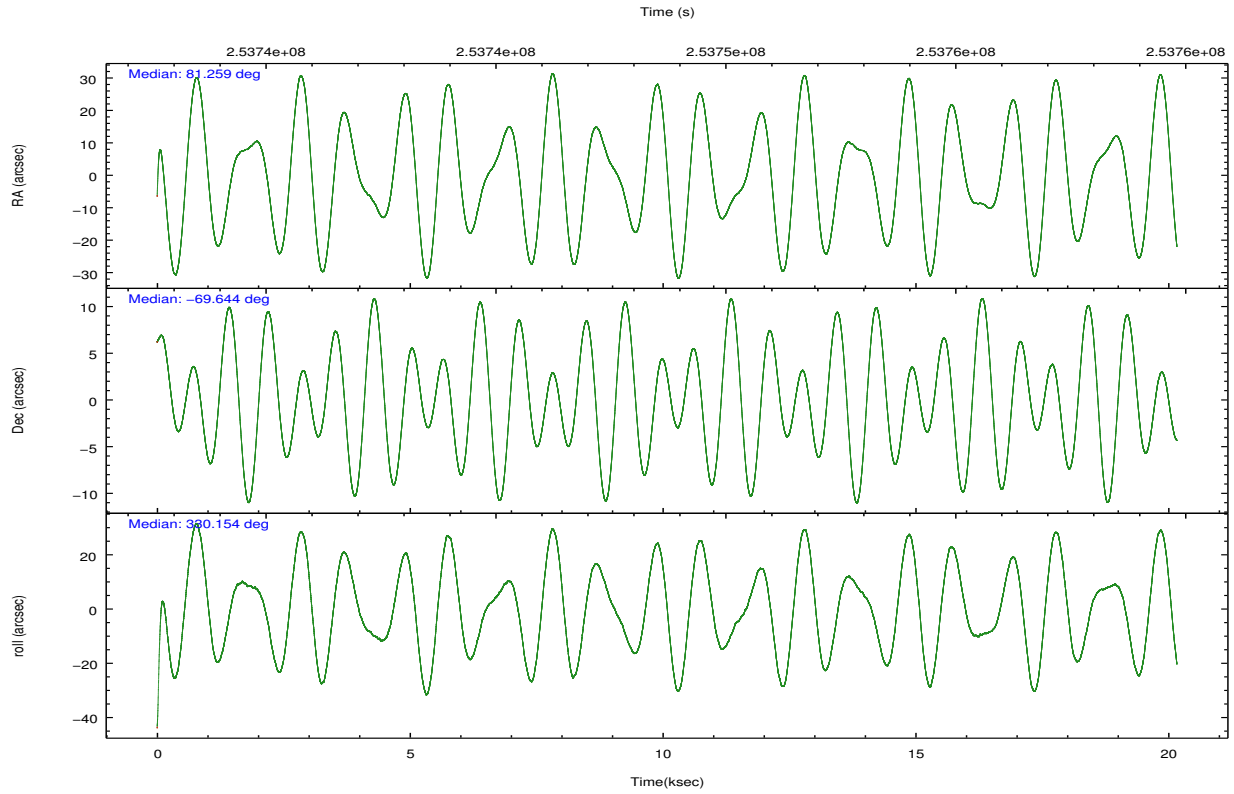
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6532	6205	8683	217630
	4%	4%	5%	26%
grade 1 events	102	95	81	3313
	0%	0%	0%	0%
grade 2 events	3237	2898	3419	195895
	2%	2%	2%	24%
grade 3 events	1496	1569	1698	87515
	0%	1%	1%	10%
grade 4 events	1501	1588	1722	84620
	0%	1%	1%	10%
grade 5 events	3778	4881	5053	24506
	2%	3%	3%	3%
grade 6 events	2396	2575	2979	139451
	1%	1%	1%	17%
grade 7 events	134865	121797	127541	59860
	87%	86%	84%	7%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	81.181184	81.25948178761574	Subarray requested	NONE	NONE
[deg] Pointing Dec	-69.644172	-69.64372873222733	Alternating exposures requested	N	N
[deg] Pointing Roll	329.927272	330.1572870462145	[s] Primary exposure time	0.000000	3.1
[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)	253738801.184000	253736709.02508			
Observation start date	2006-01-15T18:58:56	2006-01-15T18:25:09			
[s] Observation end time (MET)	253758801.184000	253759398.93863			
Observation end date	2006-01-16T00:32:16	2006-01-16T00:43:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect



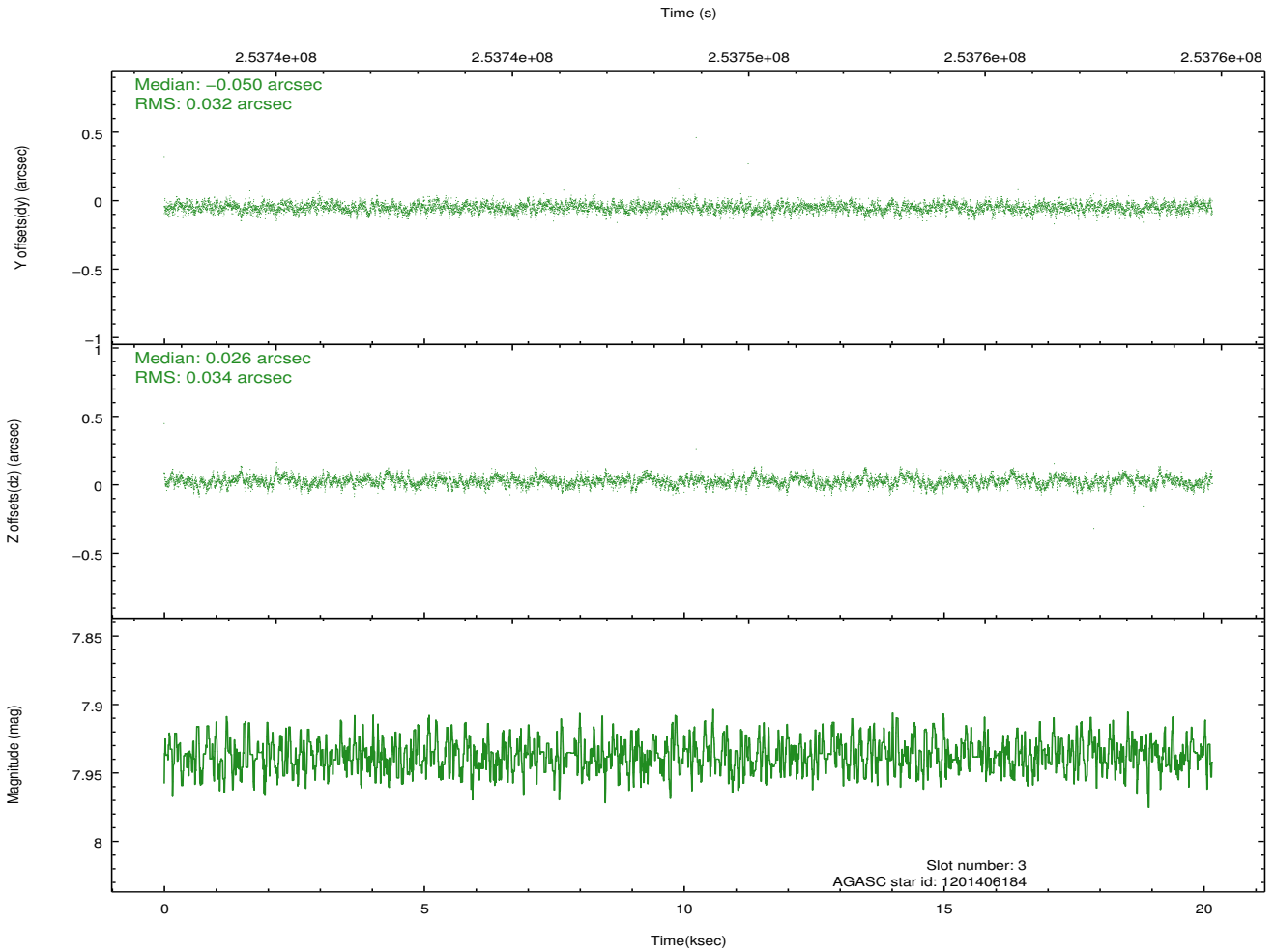
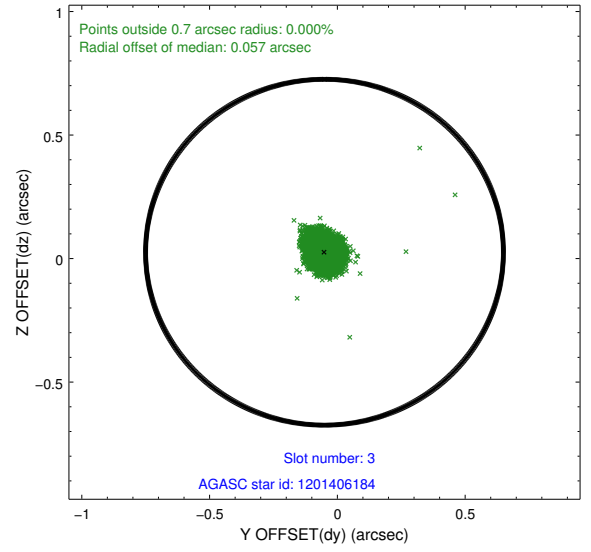
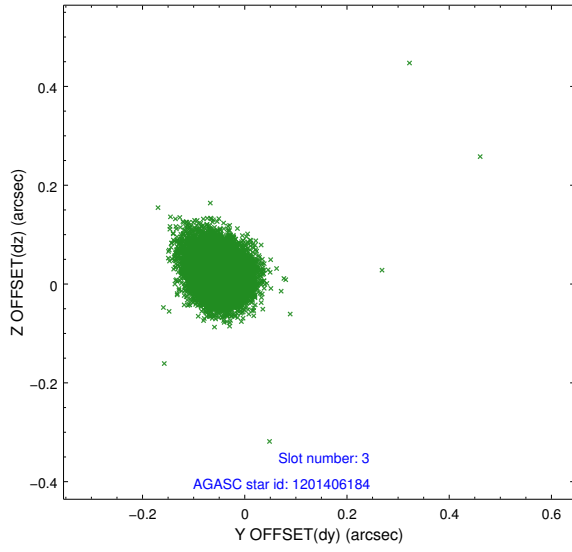


### Slot Statistics

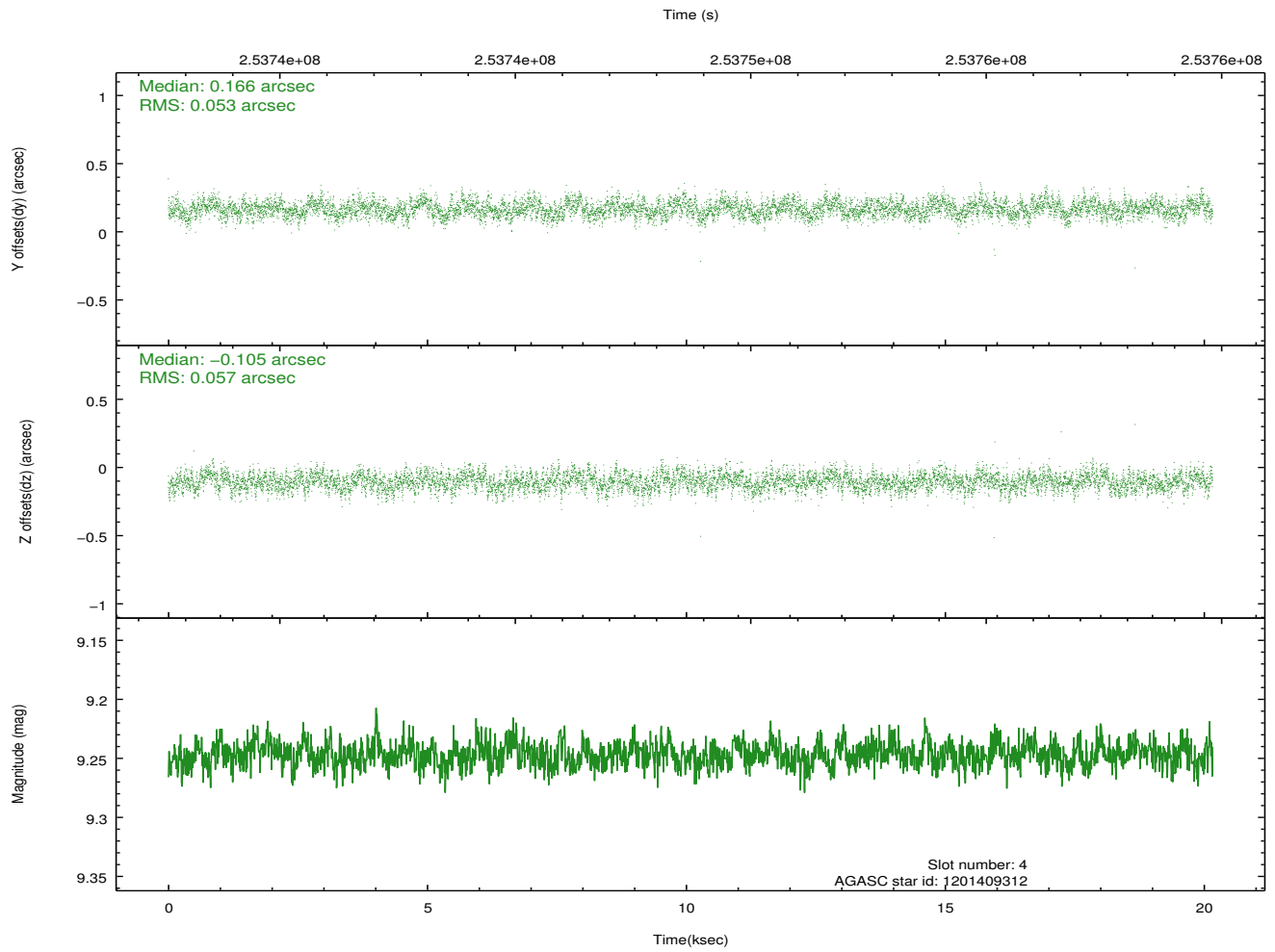
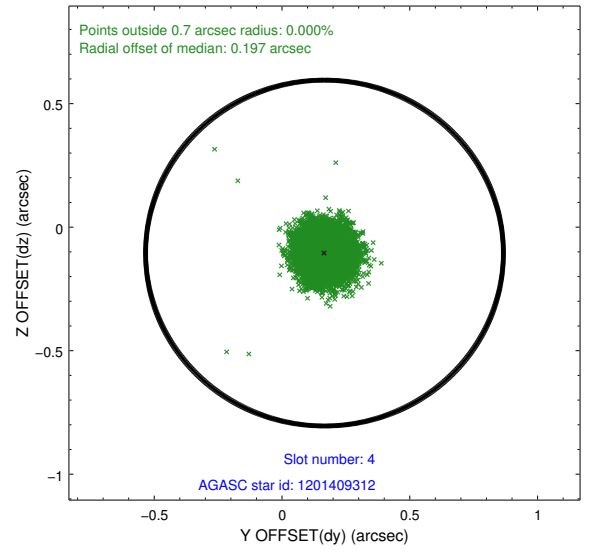
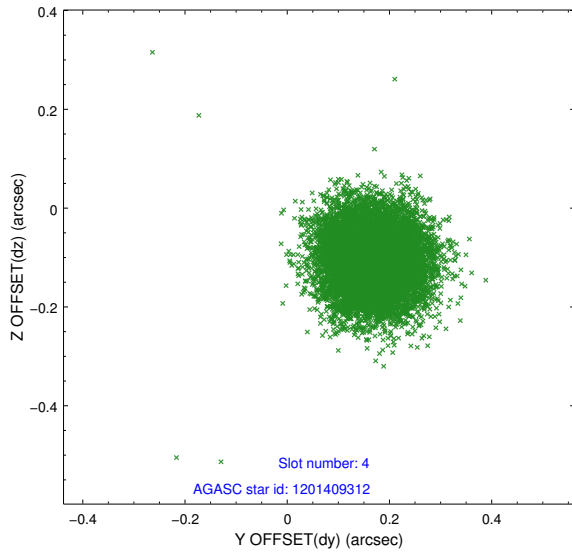
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4919	-0.029	-0.029	0.015	0.023	0.000000	0.000000	-761.07	-1732.84
1	FID	ACIS-S-4	7.20	4918	0.128	0.023	0.008	0.014	0.000000	0.000000	2152.27	175.54
2	FID	ACIS-S-5	7.23	4918	-0.126	0.016	0.015	0.026	0.000000	0.000000	-1813.79	169.37
3	GUIDE	1201406184	7.94	9832	-0.050	0.026	0.049	0.079	82.503234	-69.975517	2017.32	-230.61
4	GUIDE	1201409312	9.25	9828	0.166	-0.105	0.083	0.131	80.915231	-69.503059	-543.52	271.03
5	GUIDE	1201410888	8.03	9837	-0.162	0.101	0.051	0.081	81.046858	-70.018210	532.22	-1247.97
6	GUIDE	1201411288	9.25	9830	0.114	-0.112	0.090	0.147	81.410076	-69.595403	161.38	295.53
7	GUIDE	1201409792	8.87	9832	-0.070	0.096	0.092	0.145	82.417975	-70.260186	2420.79	-1178.49

## 2.4 Star Slots

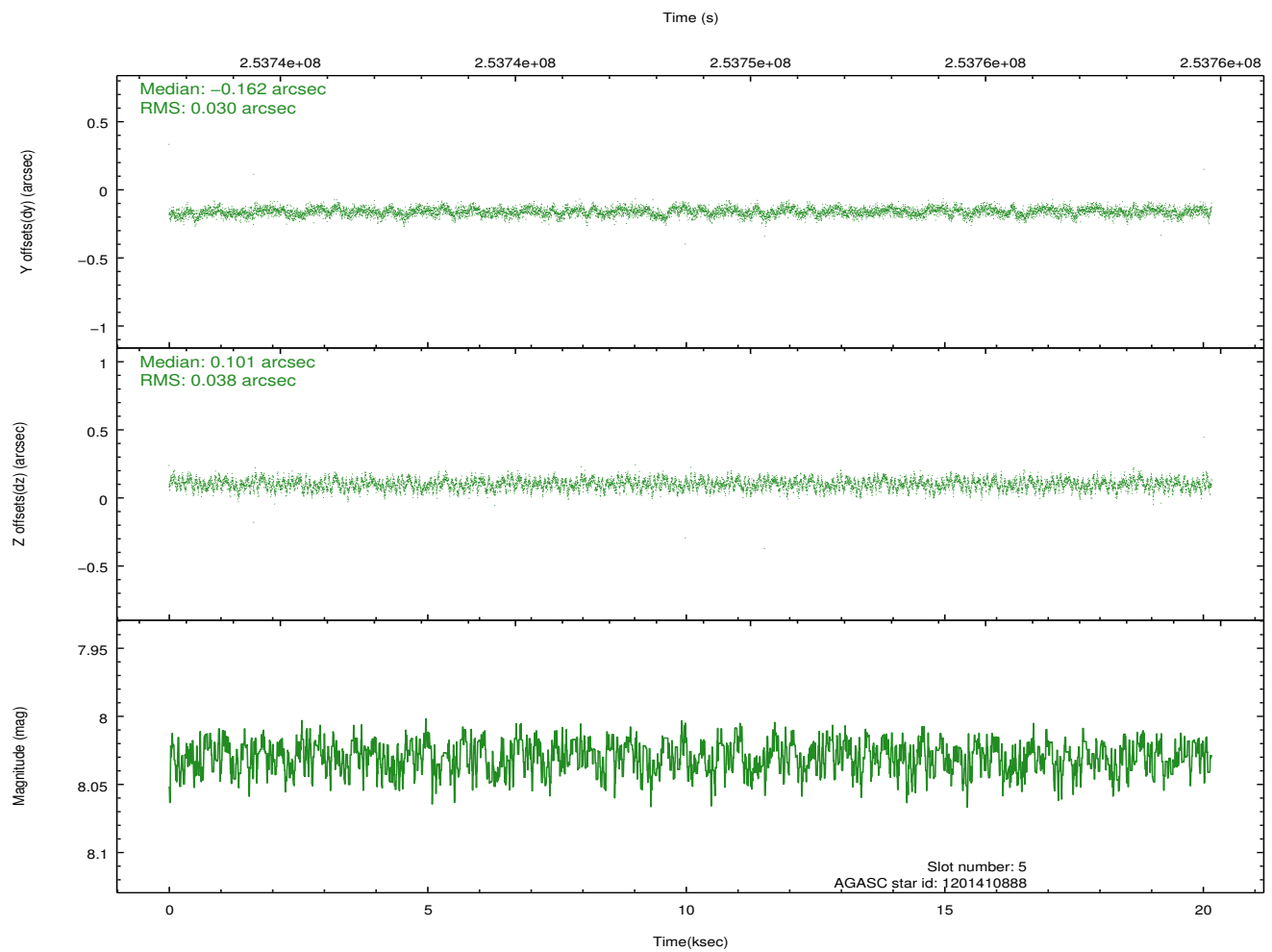
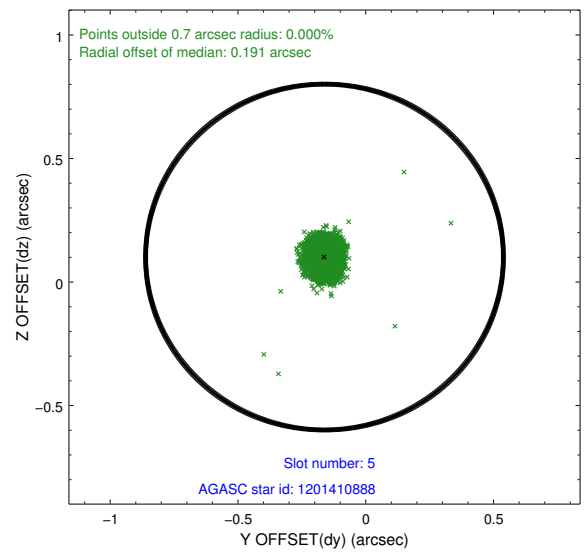
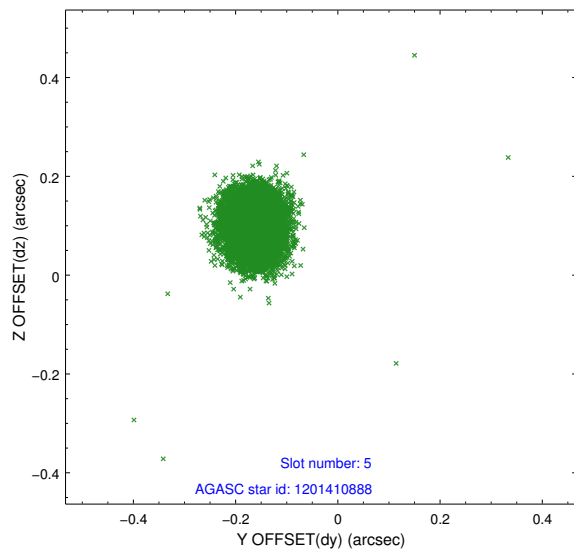
### 2.4.1 Slot 3



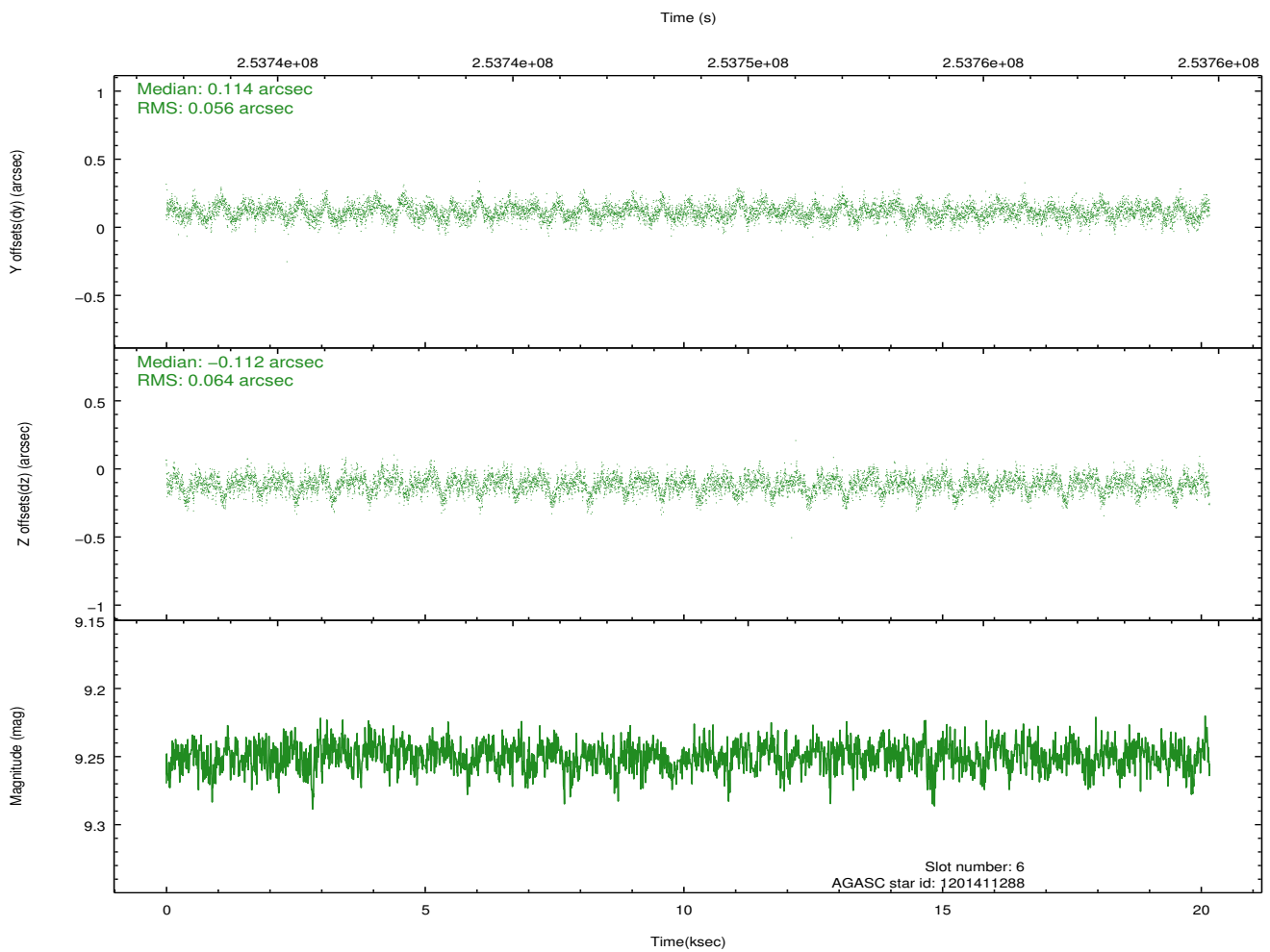
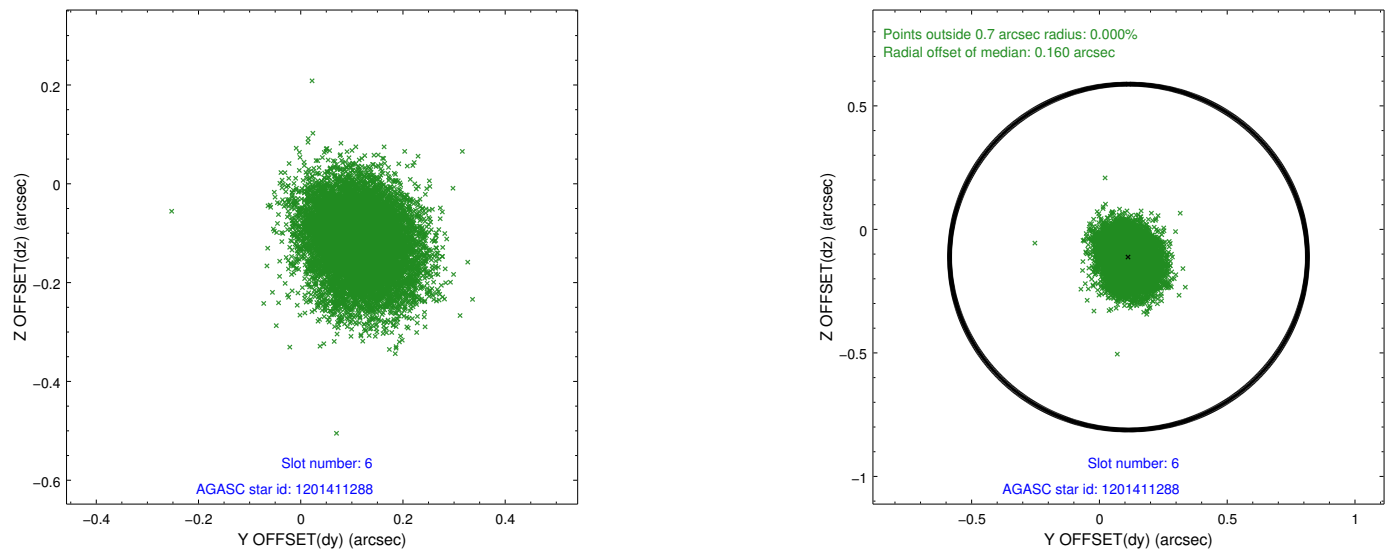
## 2.4.2 Slot 4



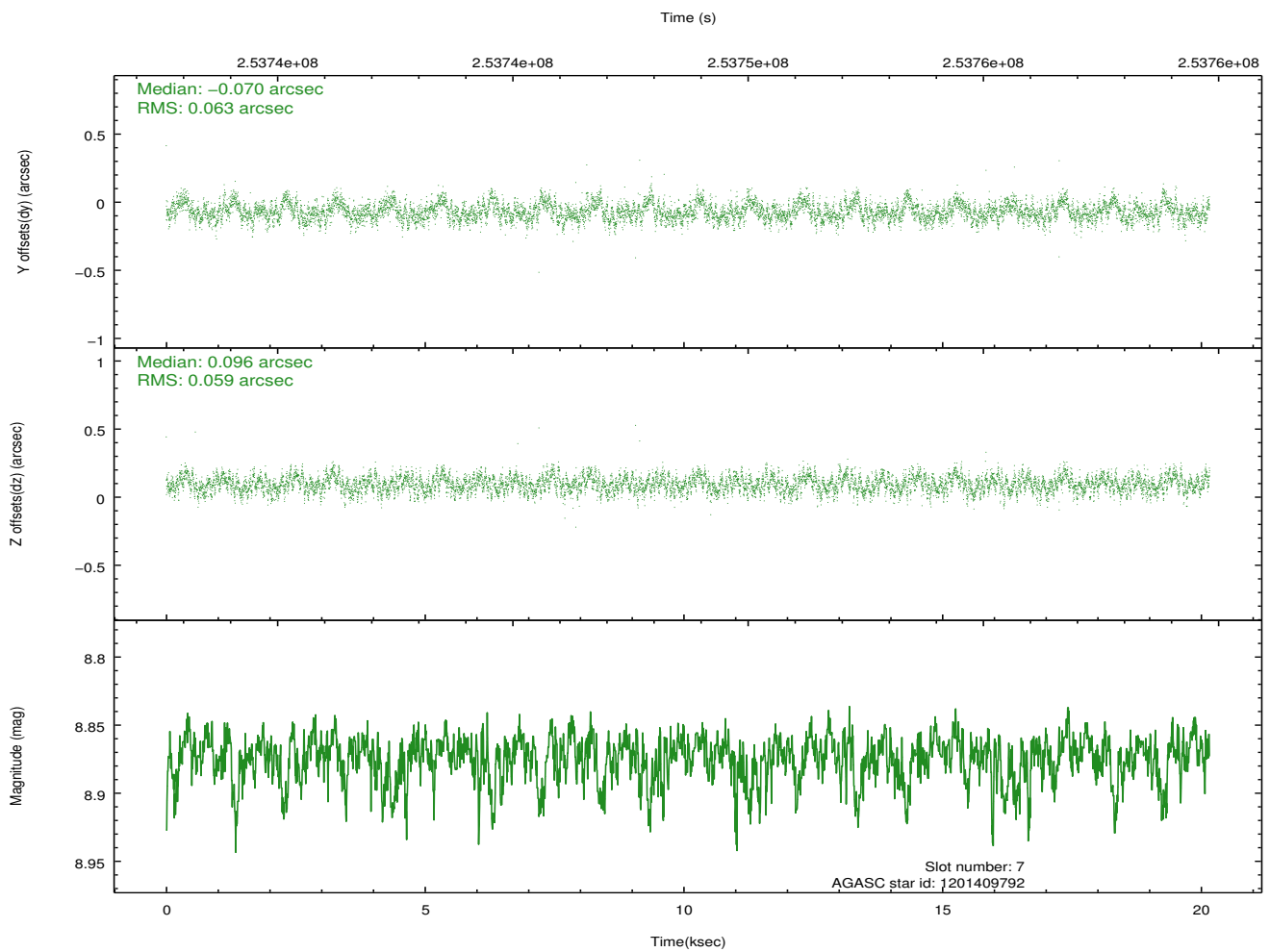
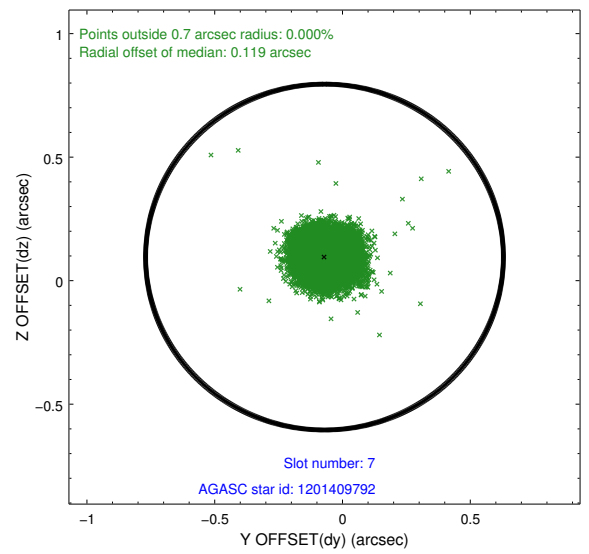
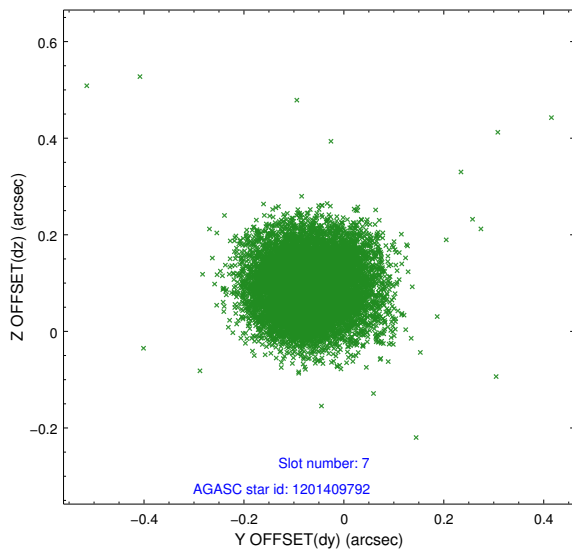
### 2.4.3 Slot 5



## 2.4.4 Slot 6

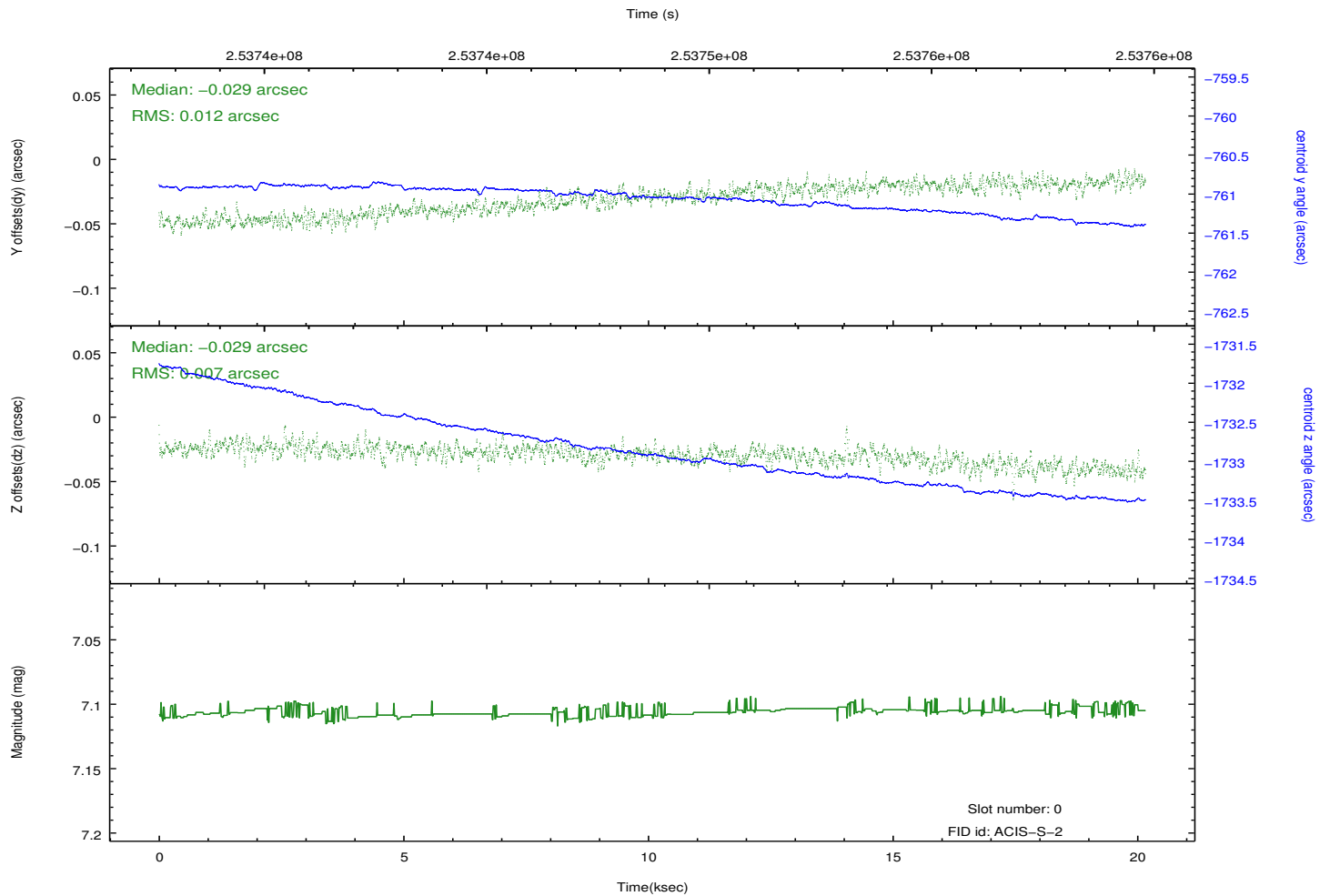
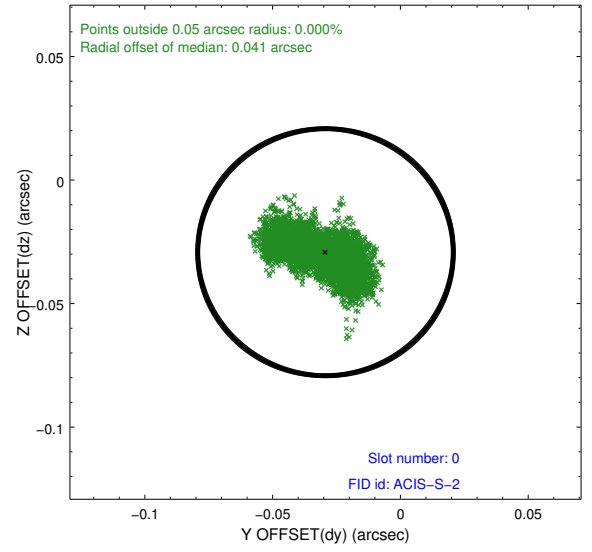
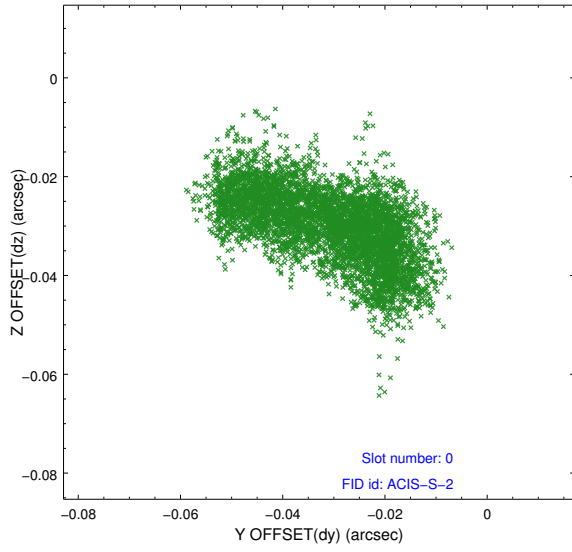


## 2.4.5 Slot 7

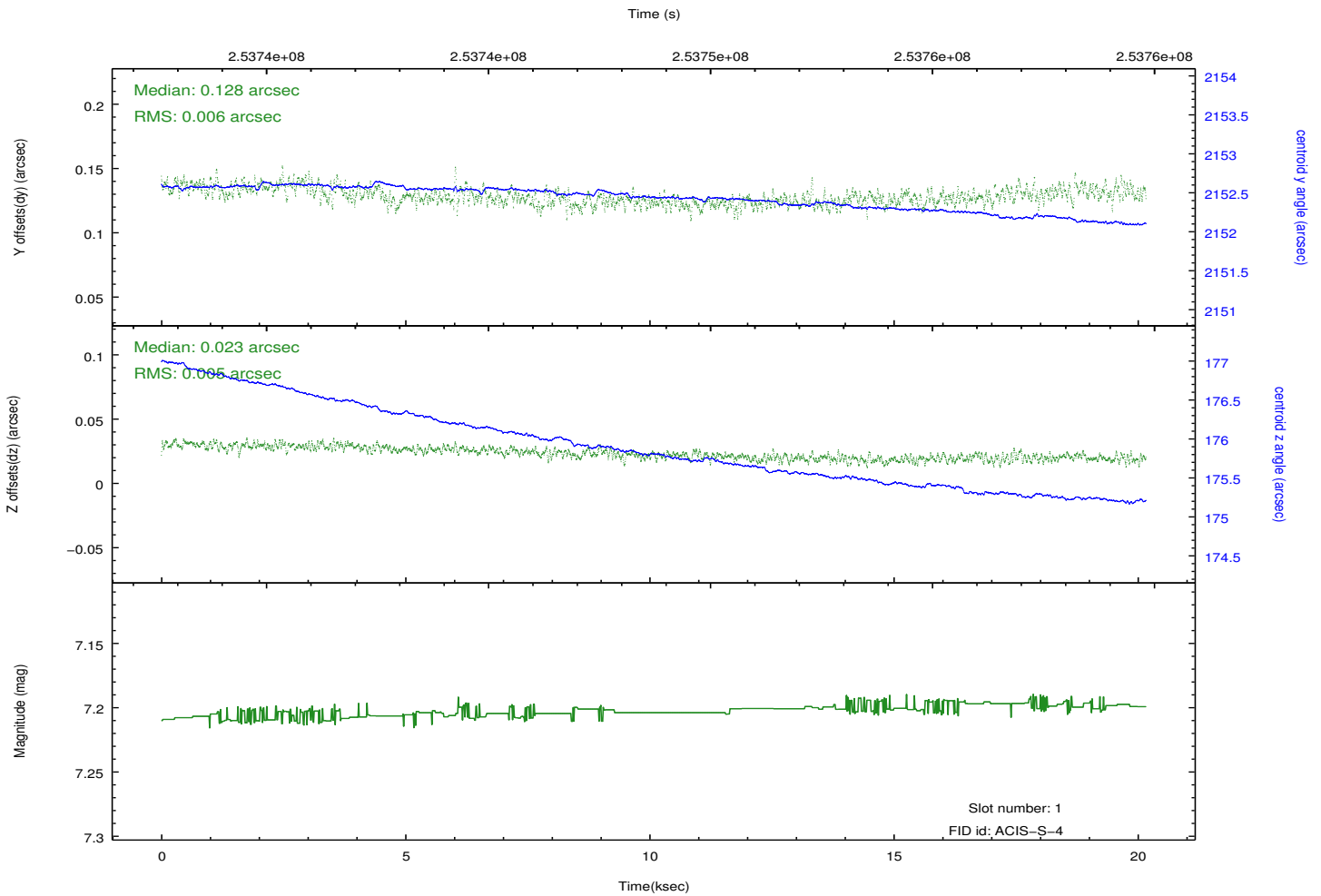
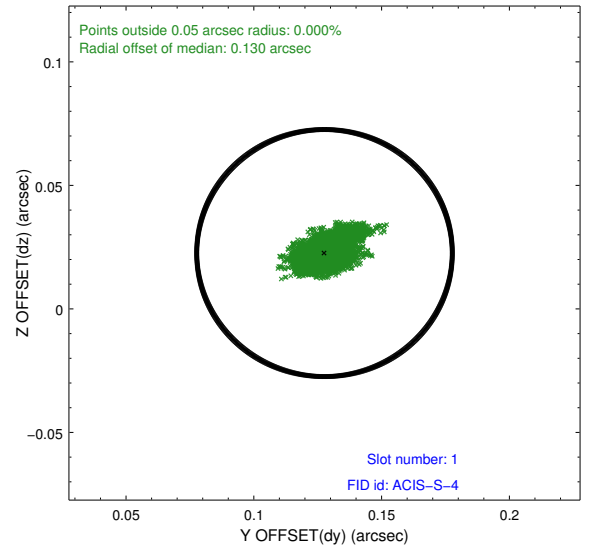
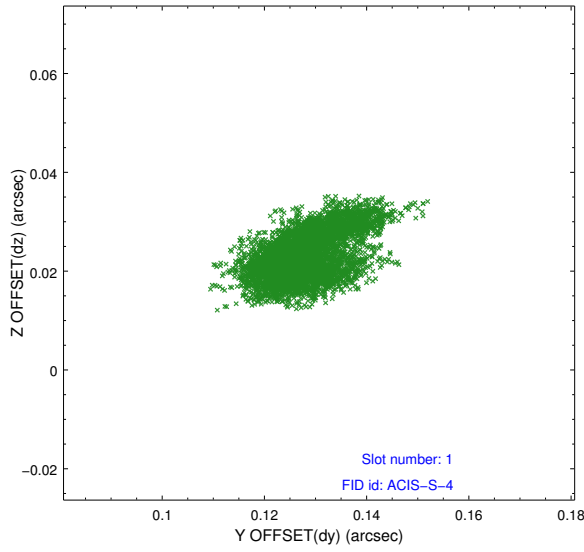


## 2.5 FID Slots

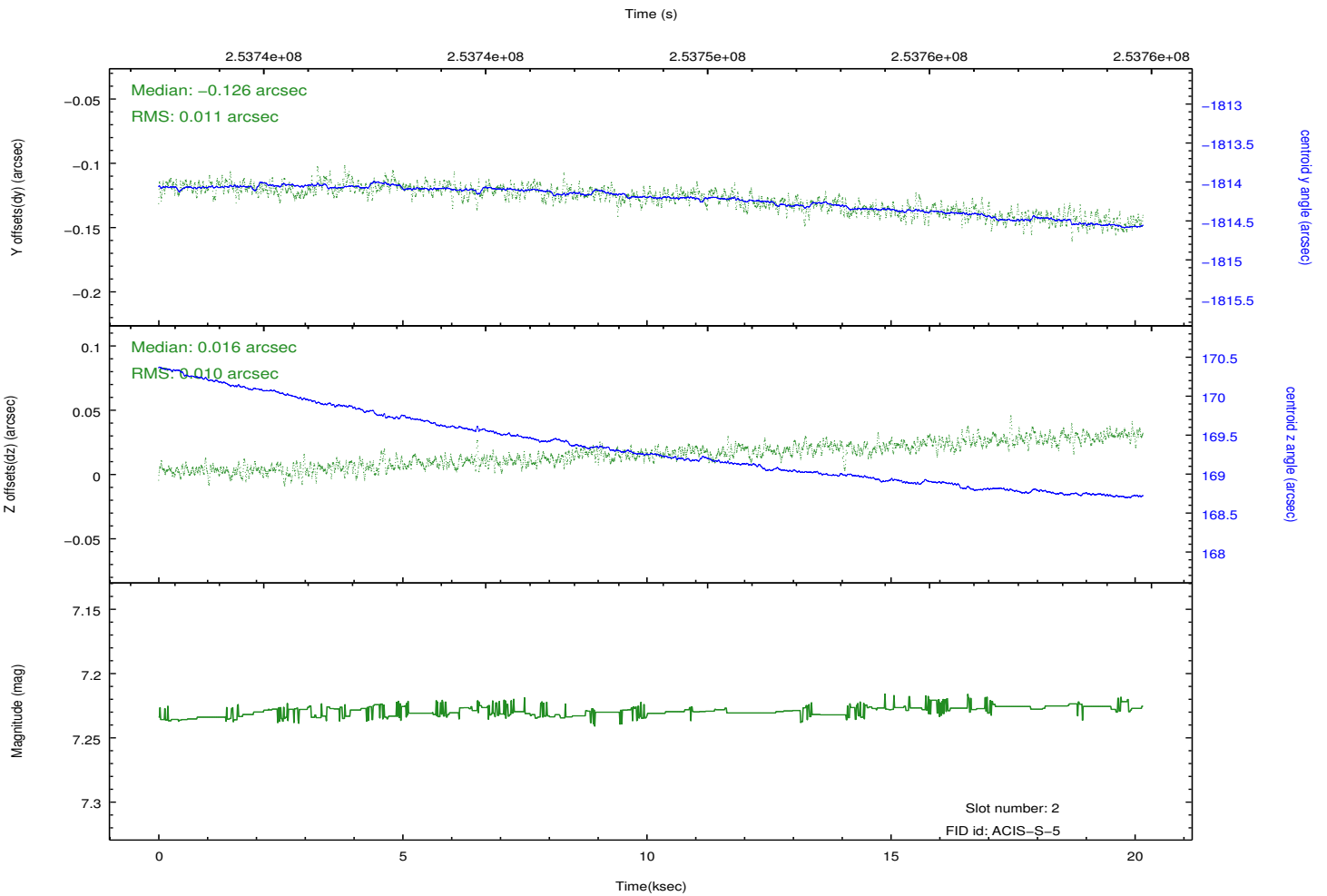
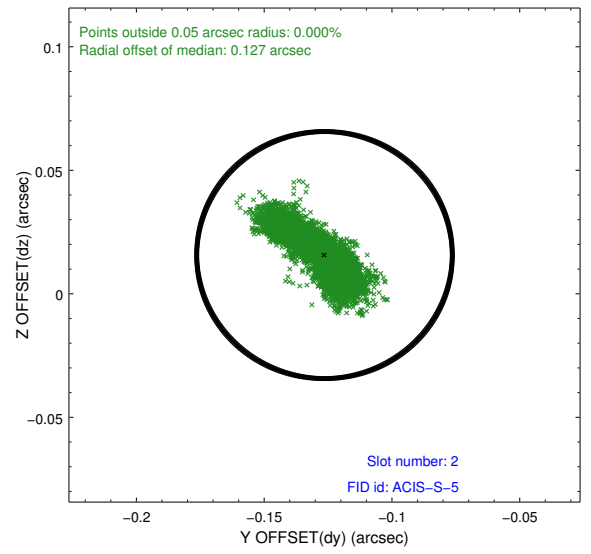
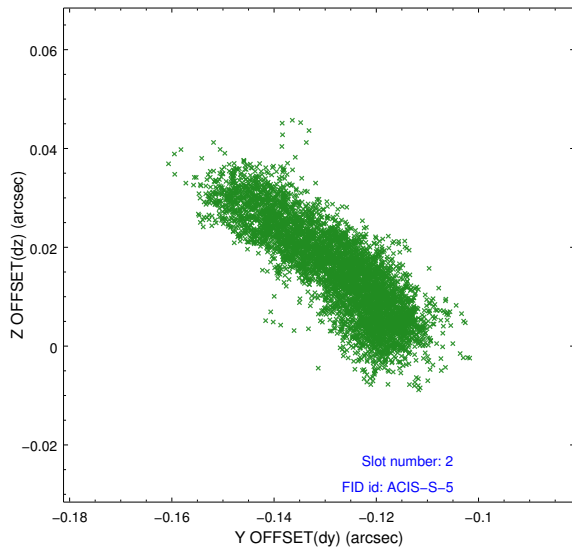
### 2.5.1 Slot 0



## 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)	2012.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1592999

## A.2 Comments

All columns of the CCD that contain flux from the target have enhanced counts due to 'bleeding' of the flux from the target. Corrections for this issue should be made by the user because no correction is made in the standard processing.