

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7338 - L2 Version 2  
Chandra X-Ray Center

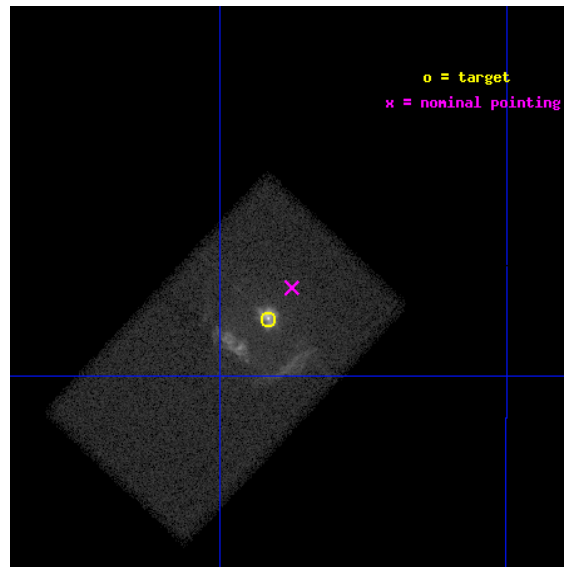
L2 Processing Date : Apr 2 2012

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# 1 Front

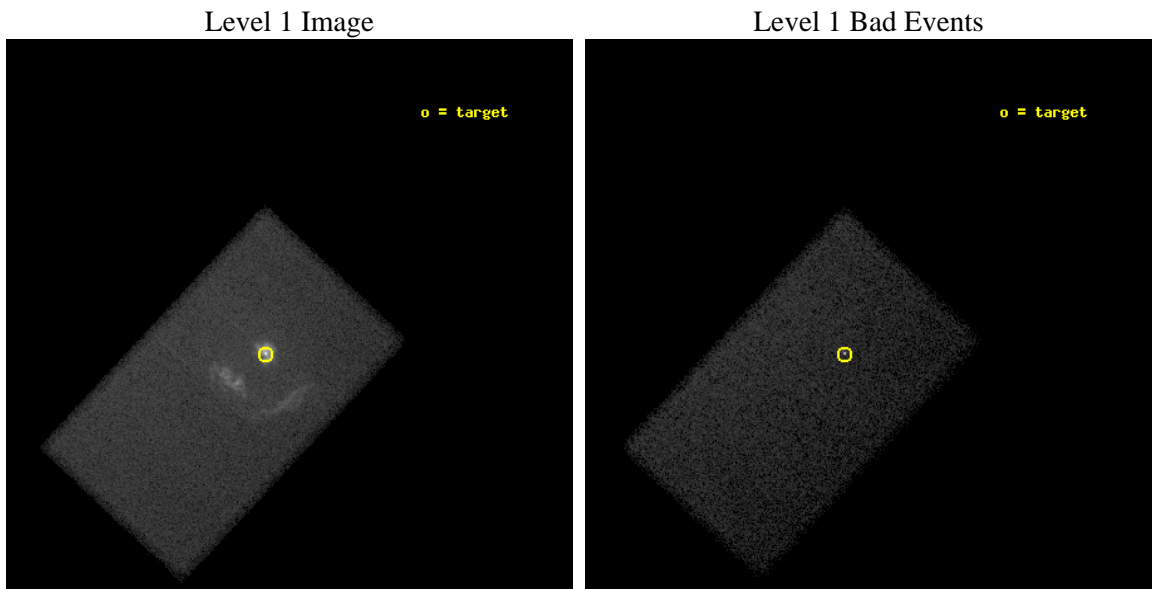
seq_num	500637	Sequence number
obs_id	7338	Observation id
title	A Deep Chandra Observation of the Supernova Remnant Kes 75	Proposa
observer	Dr. Patrick Slane	Principal investigator
object	Kes 75	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.60375	Observer's specified target RA [deg]
dec_targ	-2.975111	Observer's specified target Dec [deg]
ra_nom	281.59367932909	Nominal RA [deg]
dec_nom	-2.9618878432546	Nominal Dec [deg]
roll_nom	133.15609049203	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40147.200265884	Sum of GTIs [s]
livetime	39252.248988937	Livetime [s]
ontime7	40147.200265884	Sum of GTIs [s]
l2events	198603	Number of level 2 events



## 2 OBI

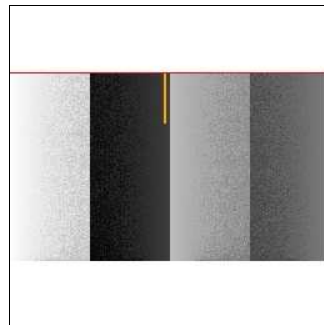
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	40147.200265884	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	40147.200265884	Sum of GTIs [s]
date	2012-04-02T21:55:41	Date and time of file creation	l1events	376424	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

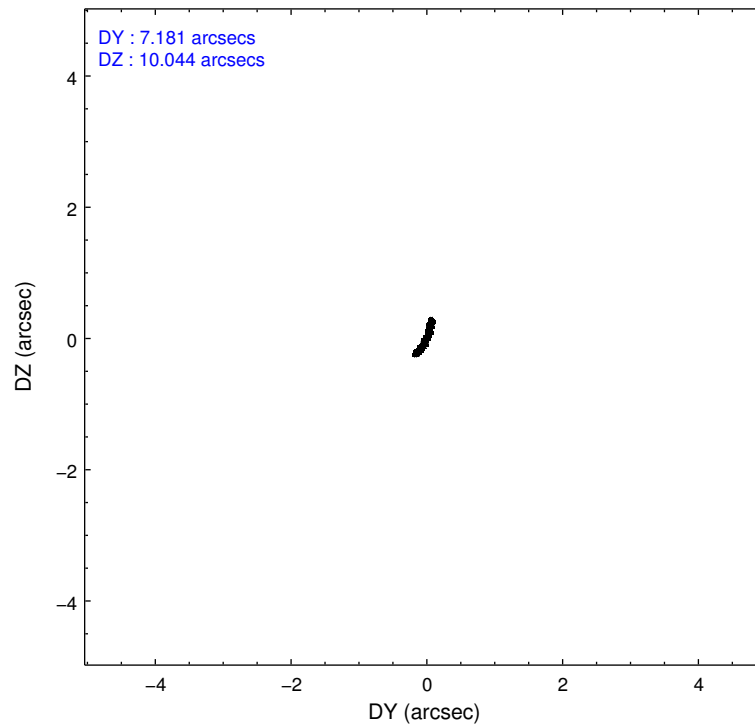
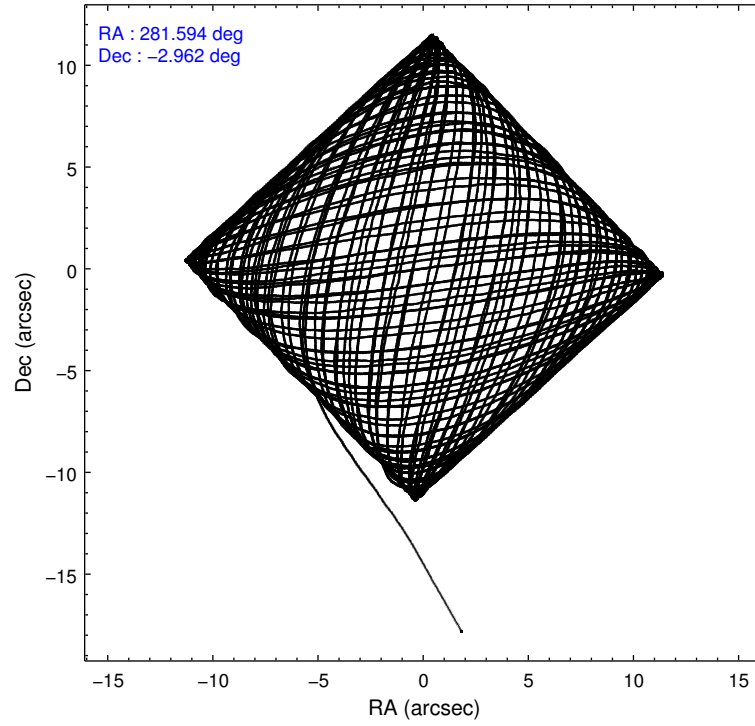
	<b>ccd 7</b>
level 1 events	376424
rejected events	174240
rejected %	46%

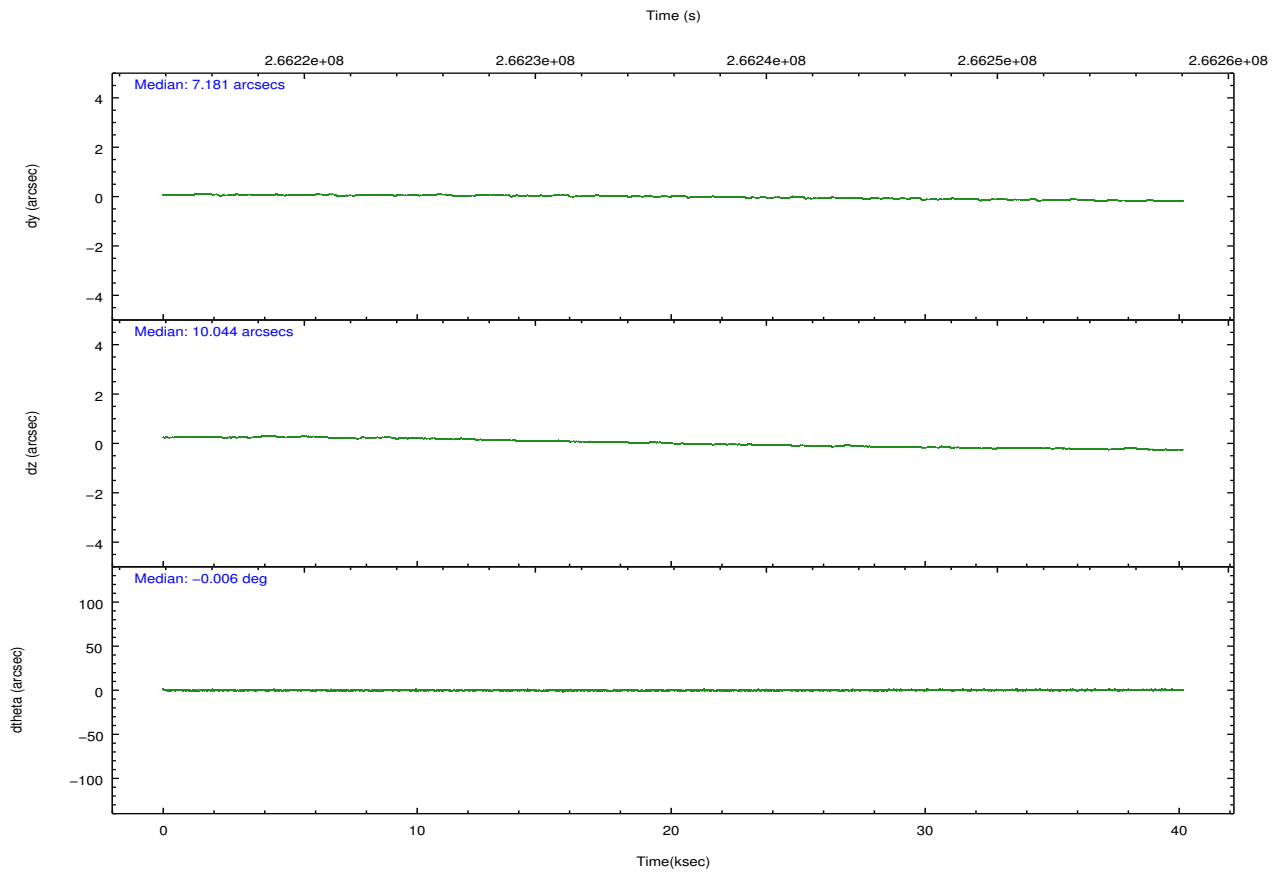
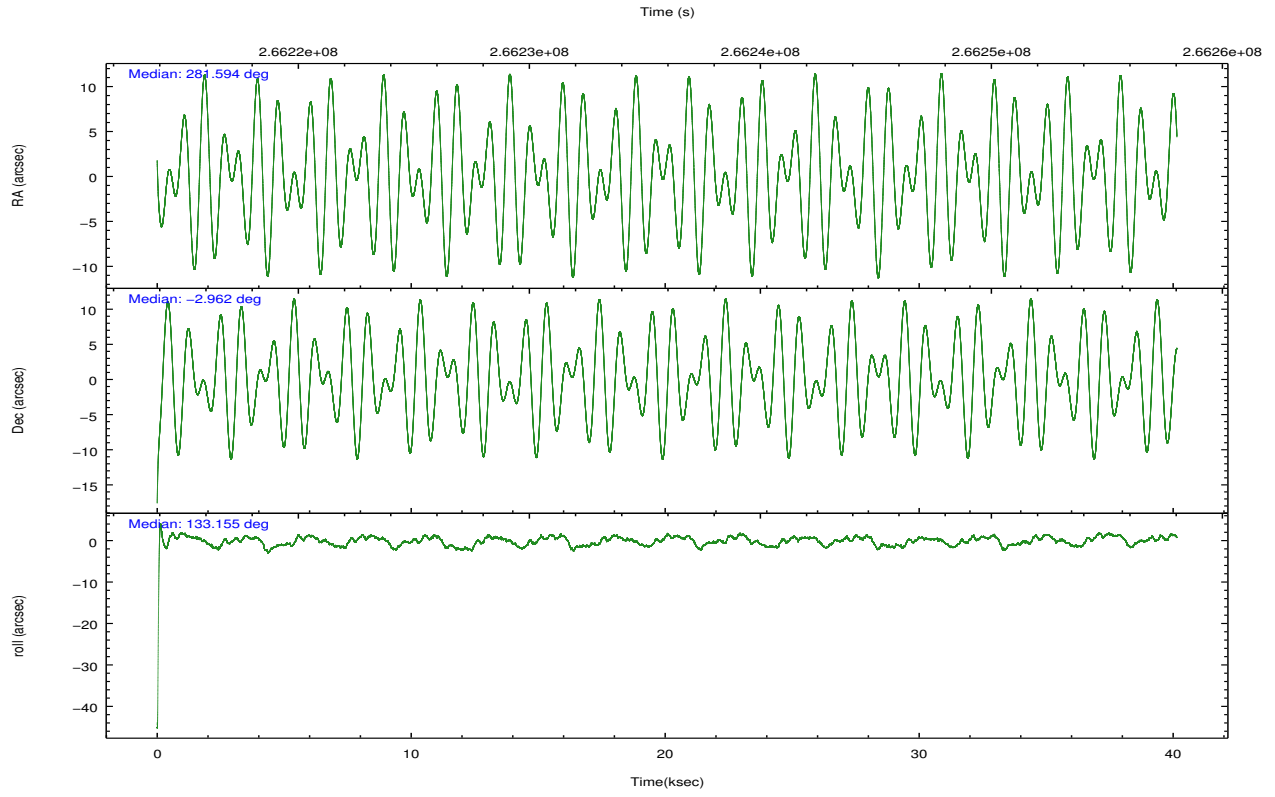
	<b>ccd 7</b>
grade 0 events	28558
	7%
grade 1 events	583
	0%
grade 2 events	45590
	12%
grade 3 events	21017
	5%
grade 4 events	20610
	5%
grade 5 events	29426
	7%
grade 6 events	89955
	23%
grade 7 events	140685
	37%

## 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	281.619892	281.5936793290905	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	-2.969418	-2.96188784325456	Subarray start row	212	212
[deg] Pointing Roll	133.000835	133.1560904920302	Subarray row count	600	600
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	266216038.184000	266214851.01839			
Observation start date	2006-06-09T04:52:53	2006-06-09T04:34:11			
[s] Observation end time (MET)	266256038.184000	266256990.30786			
Observation end date	2006-06-09T15:59:33	2006-06-09T16:16:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect





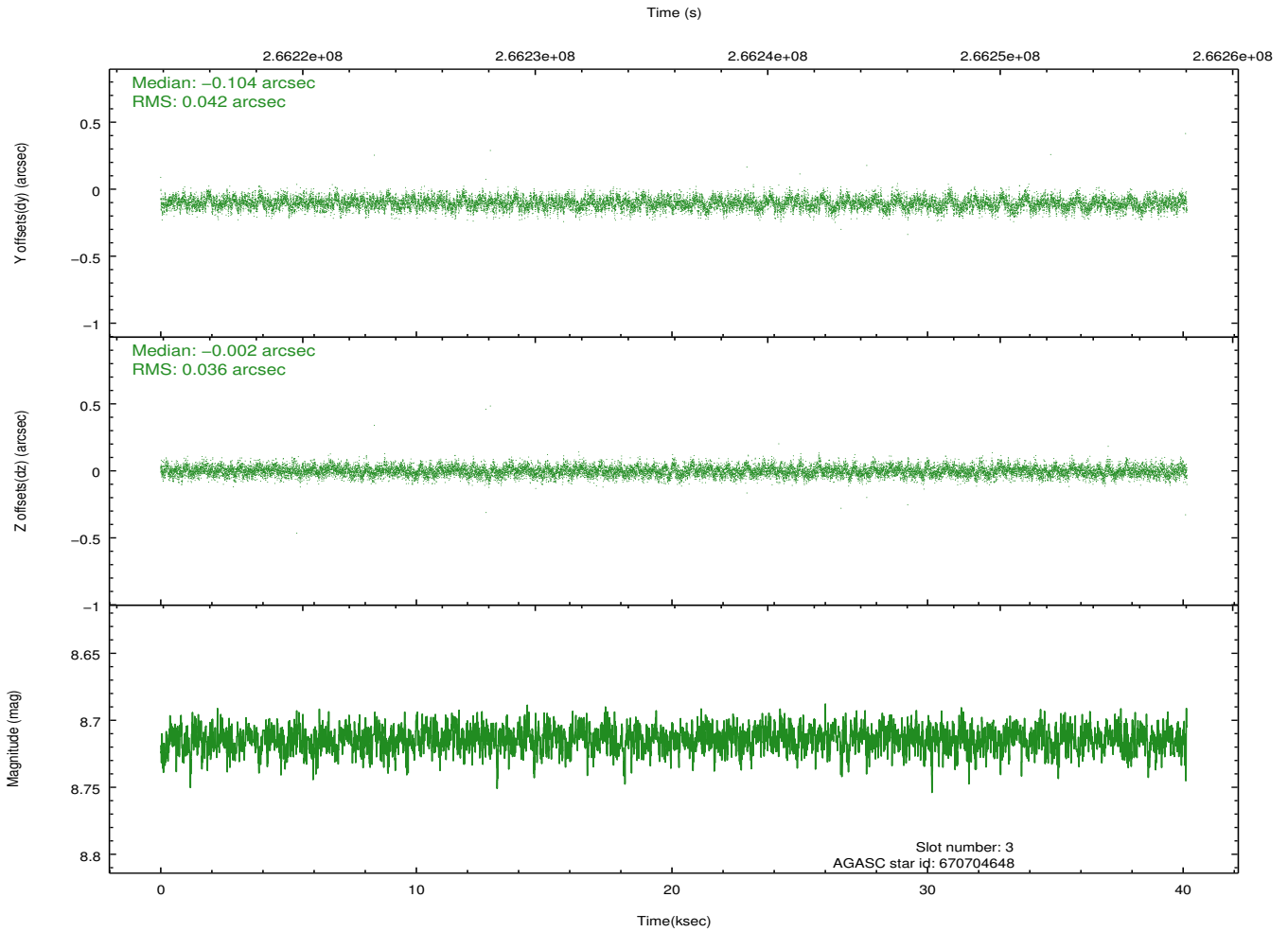
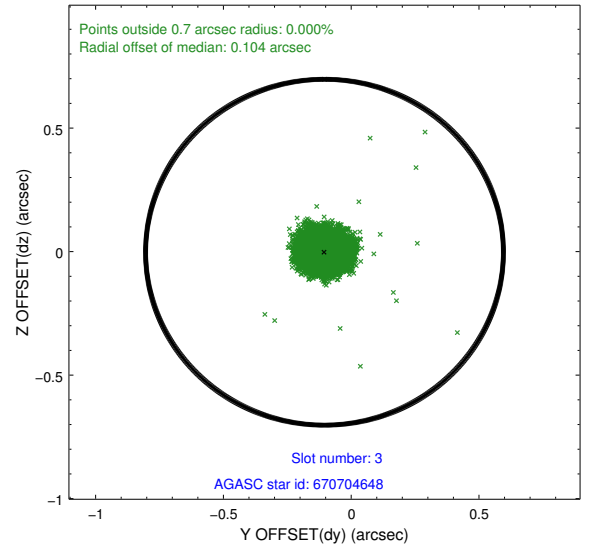
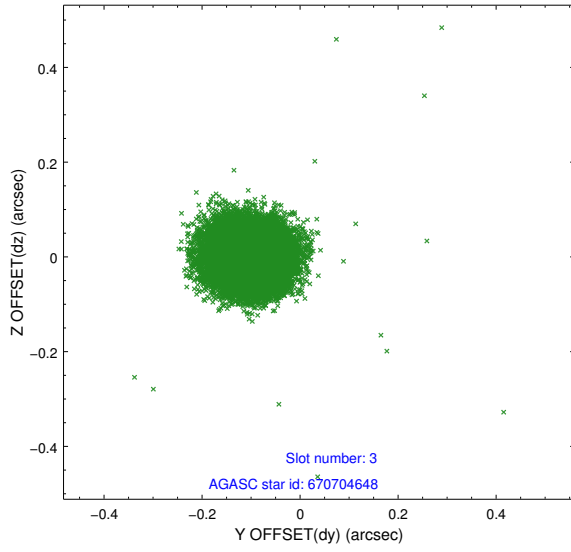
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	9793	0.039	-0.047	0.014	0.021	0.000000	0.000000	936.17	-1726.98
1	FID	ACIS-S-5	7.24	9792	-0.078	0.023	0.006	0.011	0.000000	0.000000	-1812.94	170.62
2	FID	ACIS-S-6	7.35	9790	0.018	0.036	0.014	0.021	0.000000	0.000000	401.68	814.62
3	GUIDE	670704648	8.71	19585	-0.104	-0.002	0.058	0.094	280.736676	-2.935747	2253.34	2240.74
4	GUIDE	670714008	9.03	19575	-0.135	-0.073	0.088	0.140	281.129237	-3.153193	718.69	1741.50
5	GUIDE	670829600	8.62	19576	0.005	0.230	0.066	0.107	282.227270	-3.031765	-1653.68	-1443.06
6	GUIDE	670830264	8.75	19573	0.111	-0.057	0.074	0.117	281.361536	-3.231556	-56.91	1322.78
7	GUIDE	670830024	8.34	19580	0.126	-0.095	0.065	0.106	281.863539	-3.639841	-2362.82	1007.80

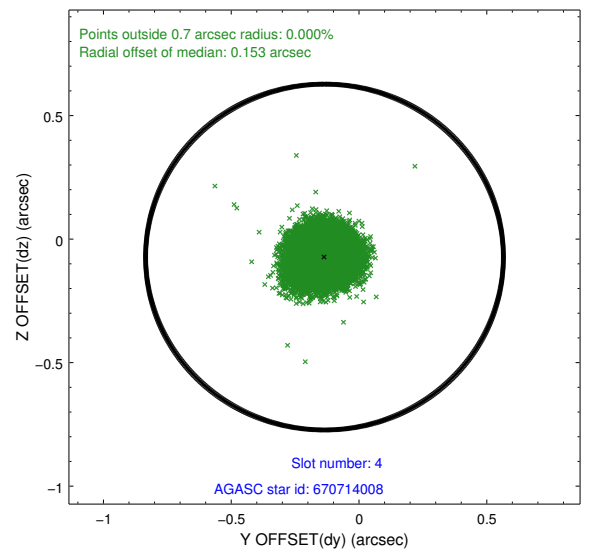
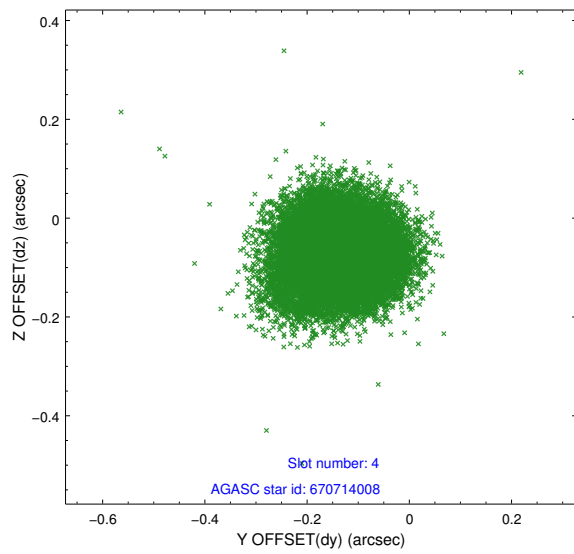
∞

## 2.4 Star Slots

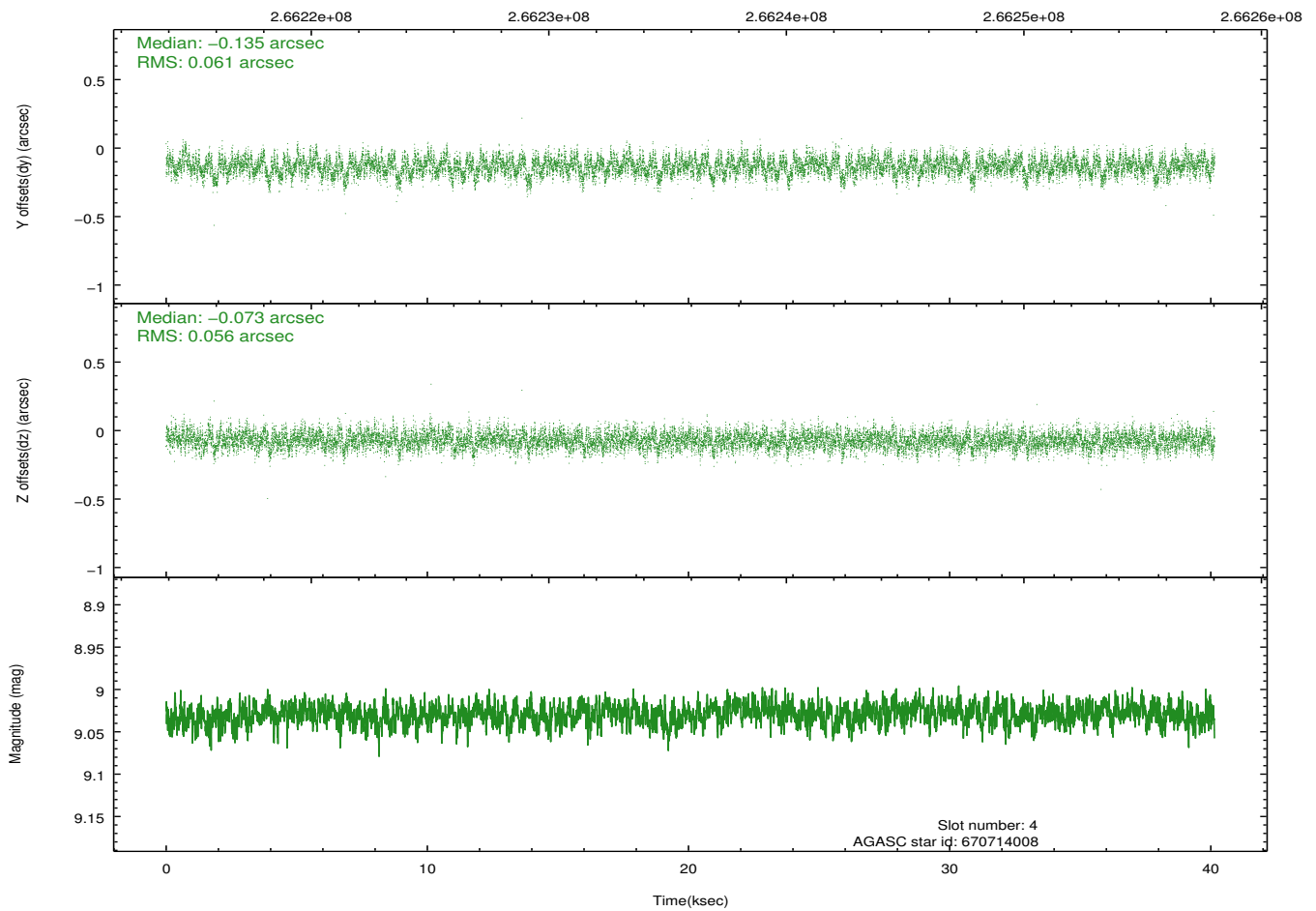
### 2.4.1 Slot 3



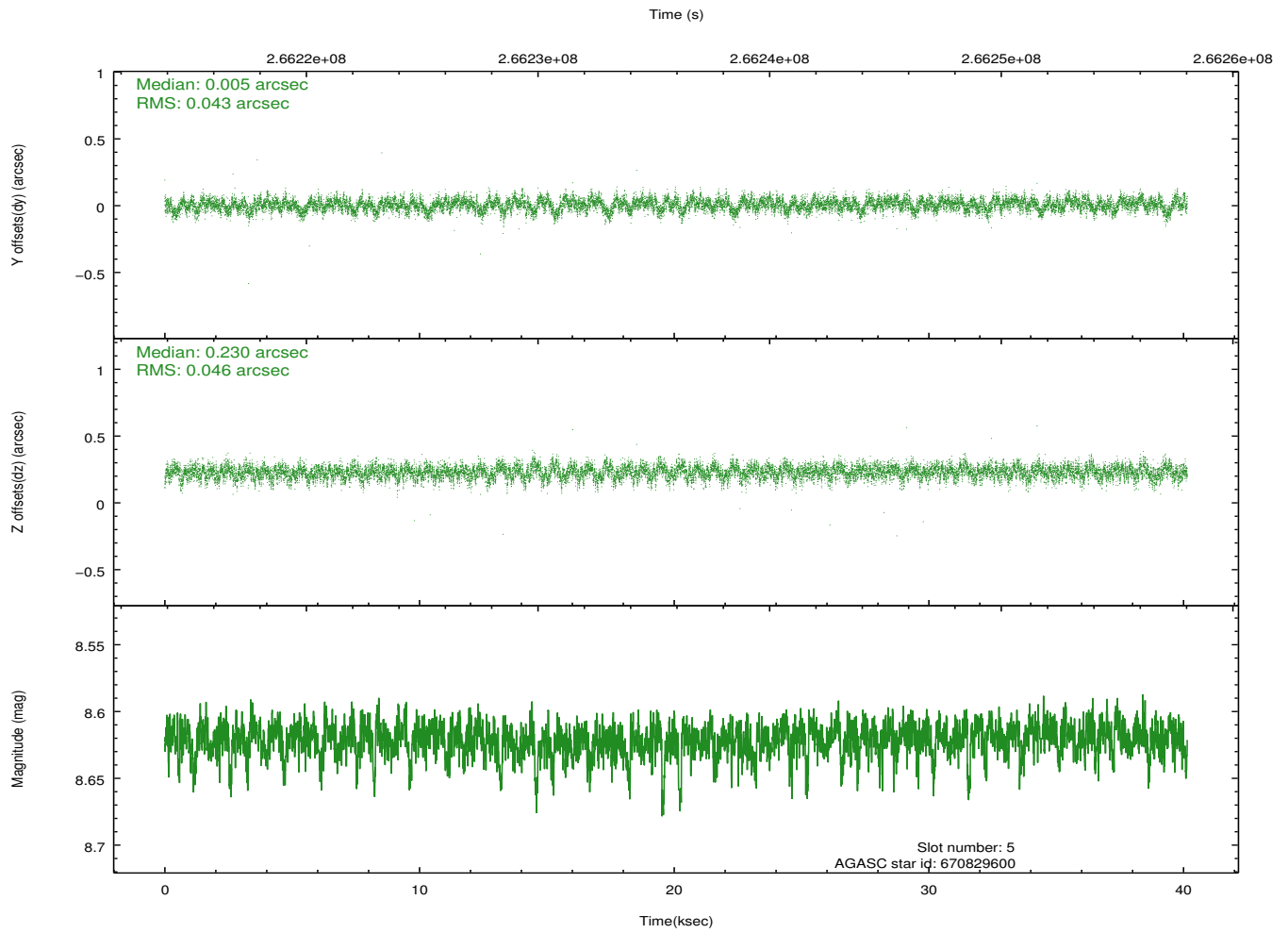
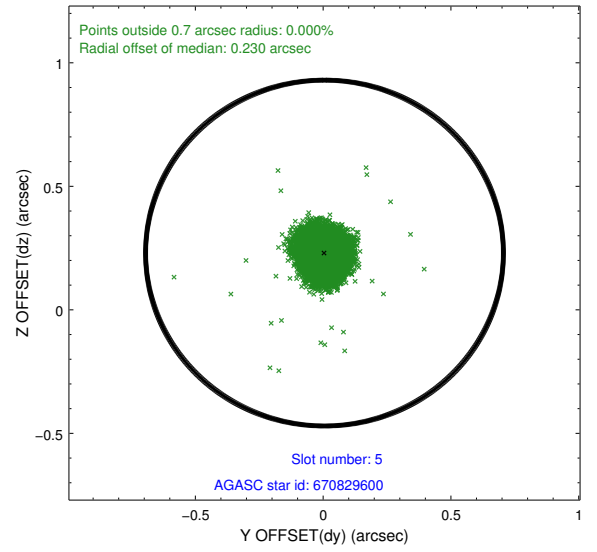
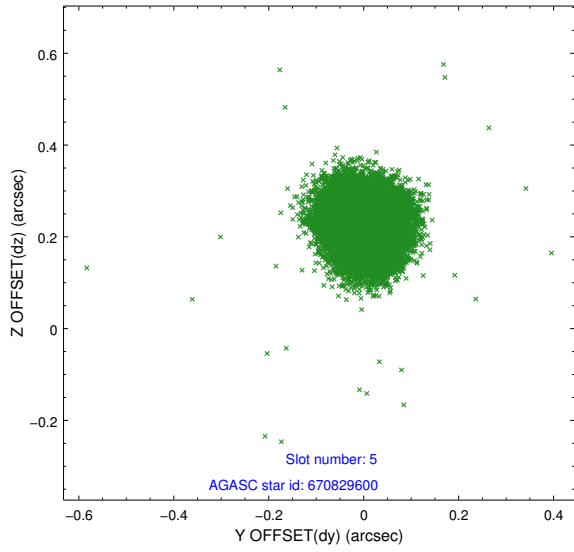
## 2.4.2 Slot 4



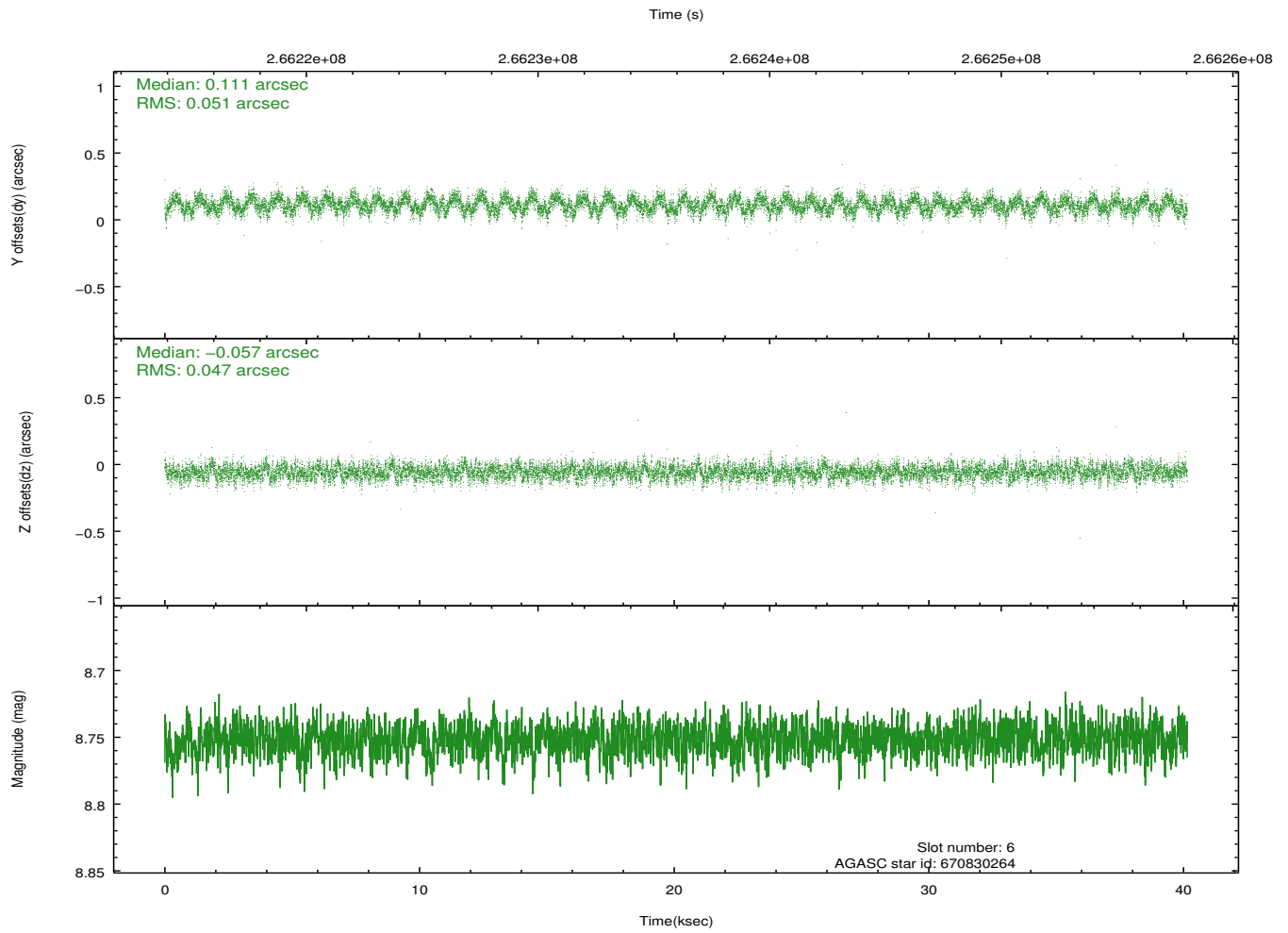
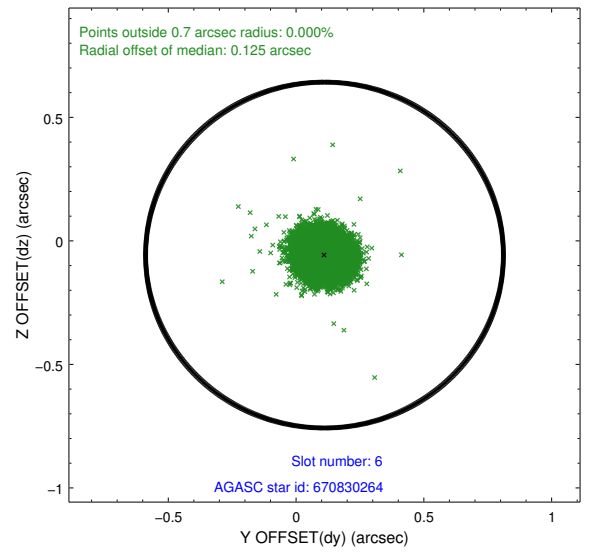
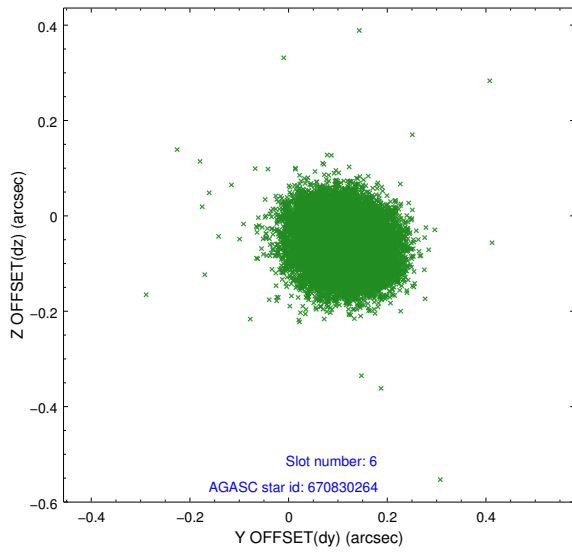
Time (s)



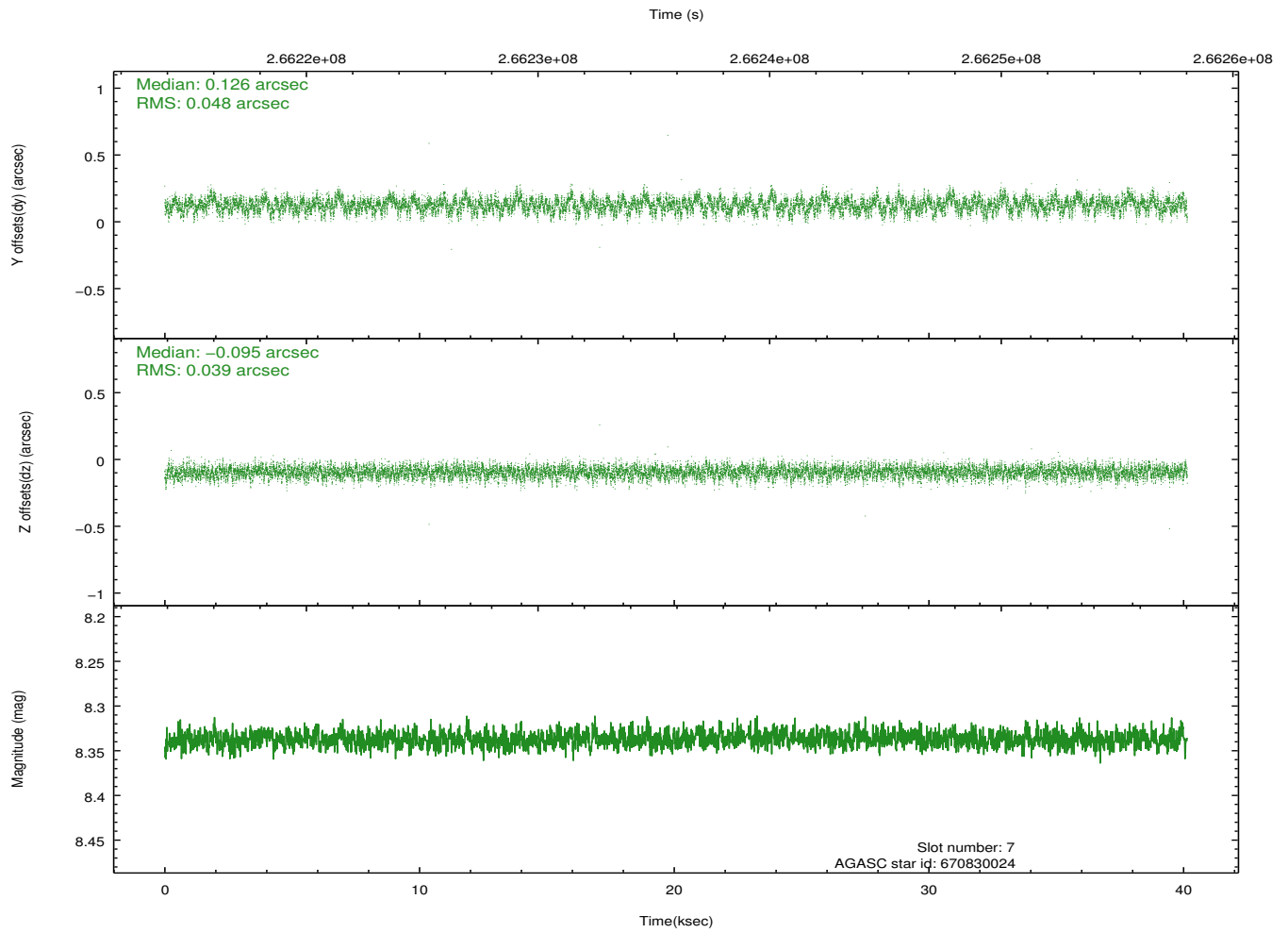
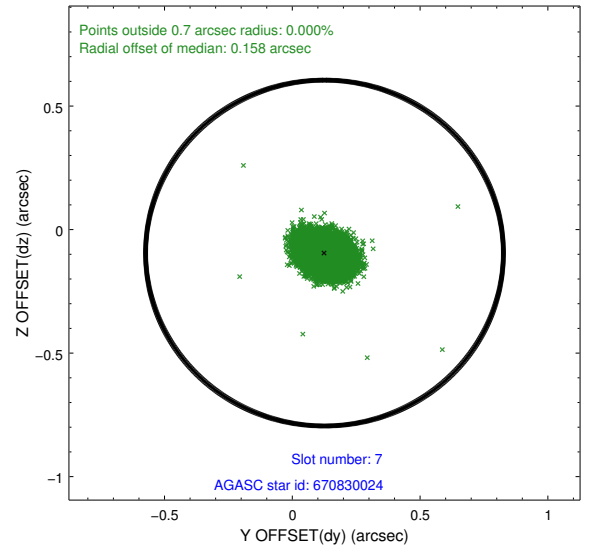
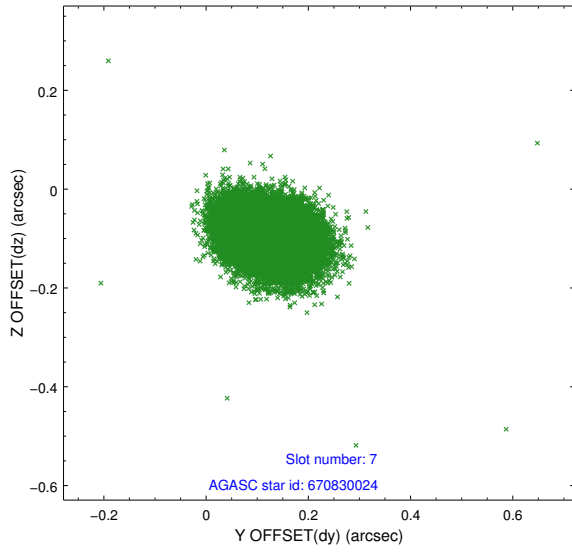
### 2.4.3 Slot 5



### 2.4.4 Slot 6

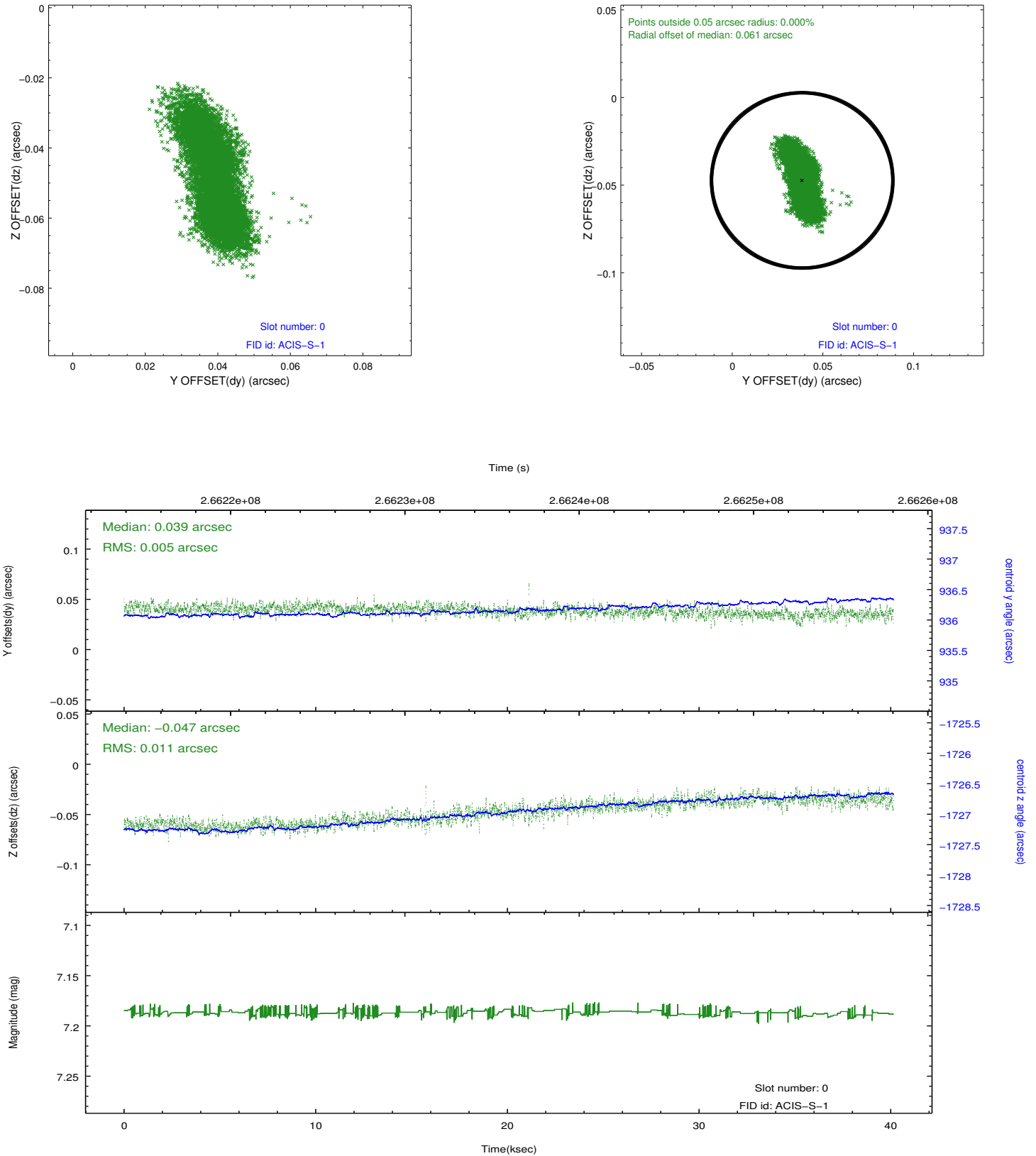


## 2.4.5 Slot 7

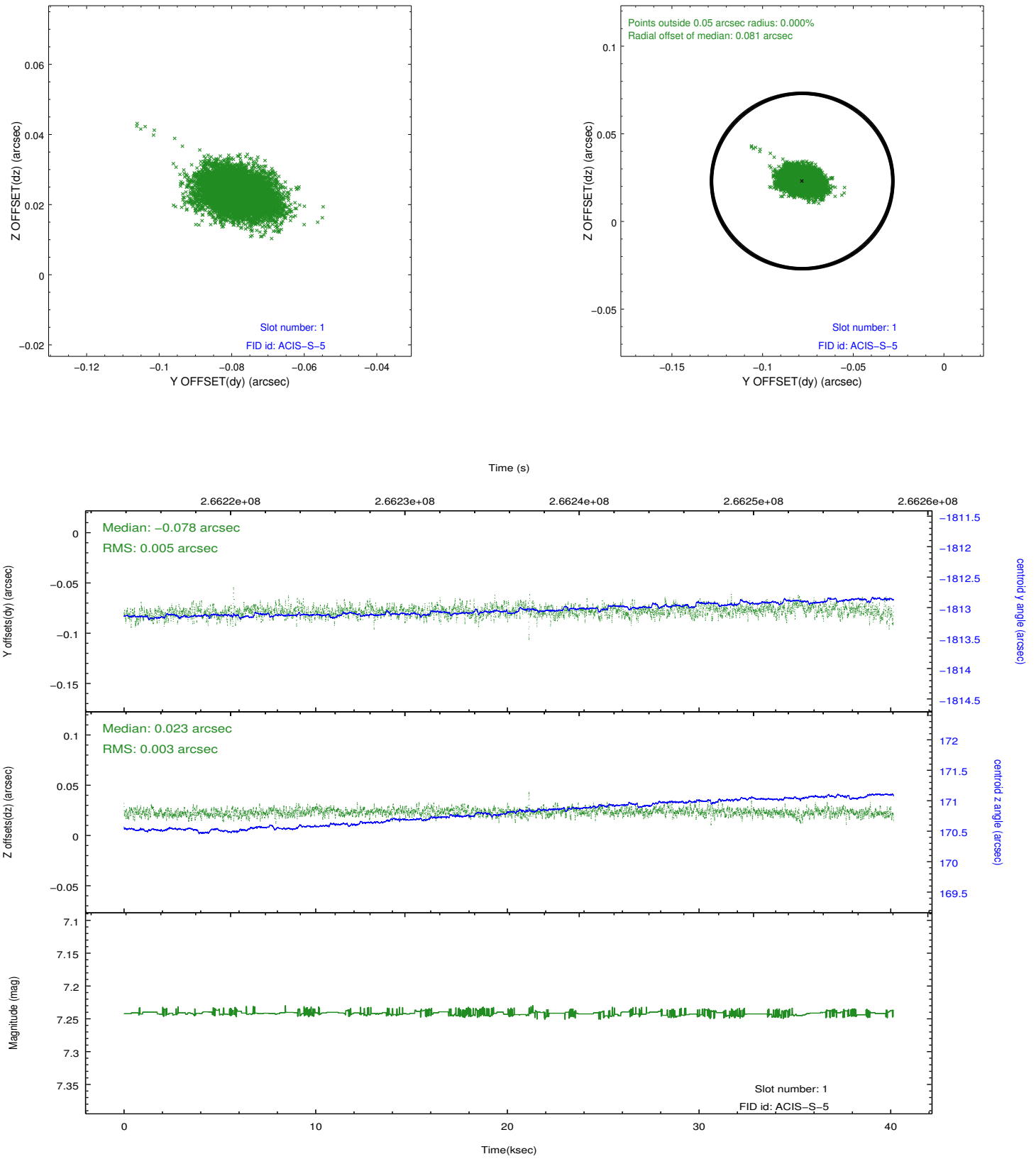


## 2.5 FID Slots

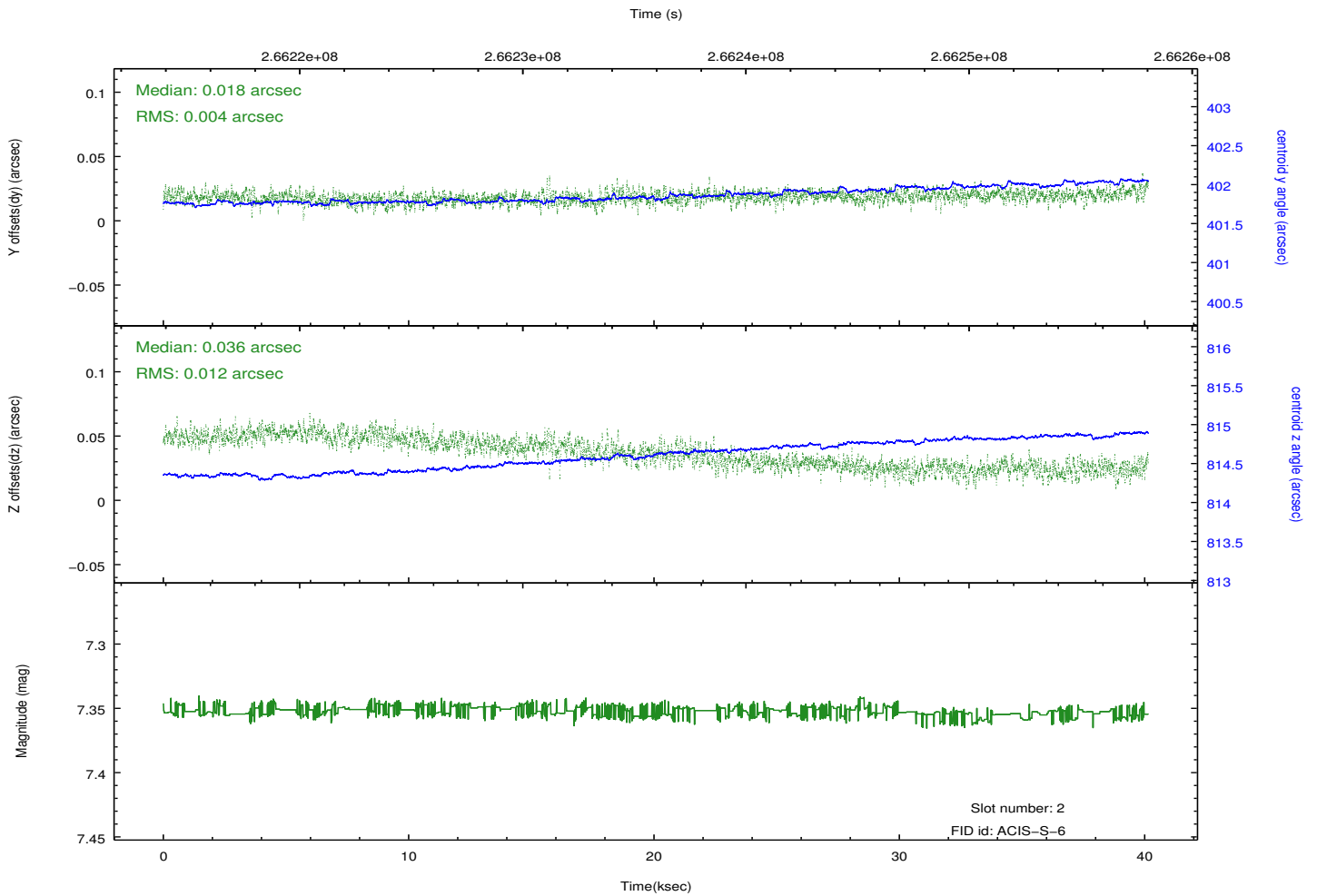
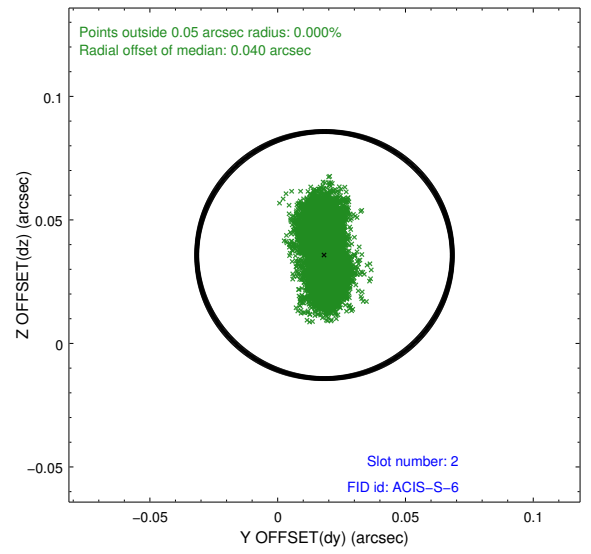
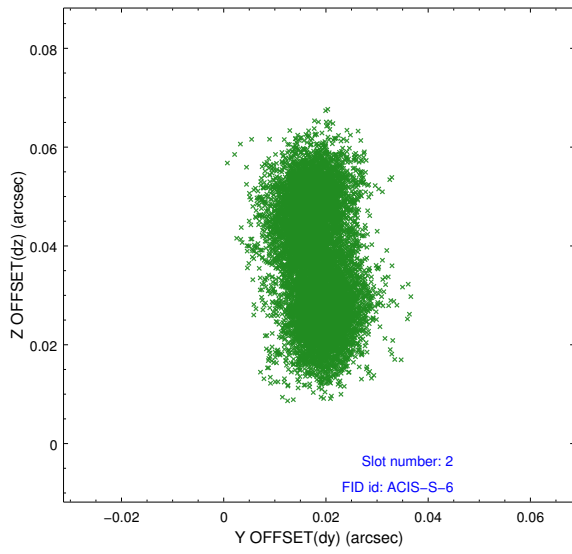
### 2.5.1 Slot 0



## 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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1472002

## A.2 Comments

A CCD node boundary intersects the outer edge of the southeast perimeter of the SNR. A couple of CCD rows are marked bad data at each CCD node boundary which may affect analysis unless properly taken into account.