

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 8262 - L2 Version 2  
Chandra X-Ray Center

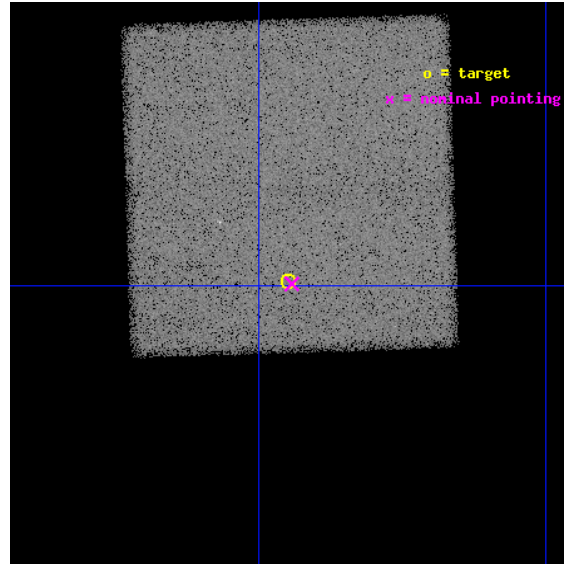
L2 Processing Date : Apr 10 2012

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# 1 Front

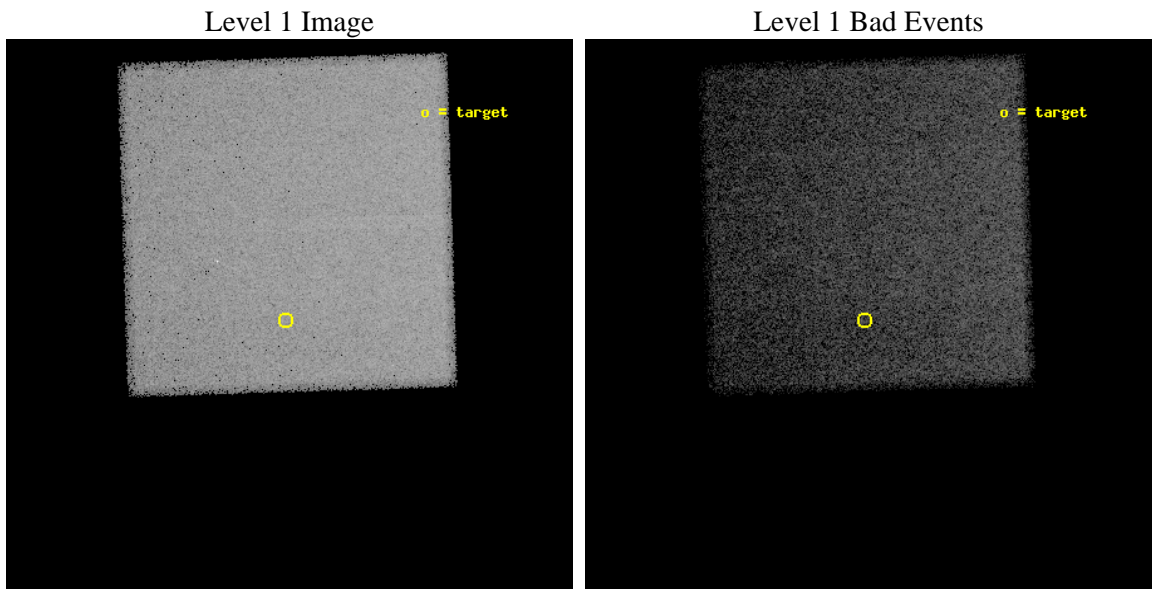
seq_num	400553	Sequence number
obs_id	8262	Observation id
title	The lowest-luminosity quiescent neutron star transient: implications for strong field gravity and the neutron star EoS	Proposal title
observer	dr Peter Jonker	Principal investigator
object	1H 1905+000	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.1125	Observer's specified target RA [deg]
dec_targ	0.168889	Observer's specified target Dec [deg]
ra_nom	287.11079028849	Nominal RA [deg]
dec_nom	0.16768190722449	Nominal Dec [deg]
roll_nom	268.15663717079	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39177.0	Sum of GTIs [s]
livetime	38648.291374004	Livetime [s]
ontime7	39177.0	Sum of GTIs [s]
l2events	200561	Number of level 2 events



## 2 OBI

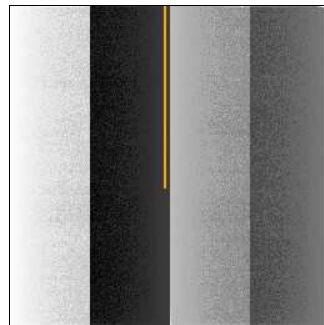
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	39177.0	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	39177.0	Sum of GTIs [s]
date	2012-04-10T10:02:34	Date and time of file creation	l1events	488744	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

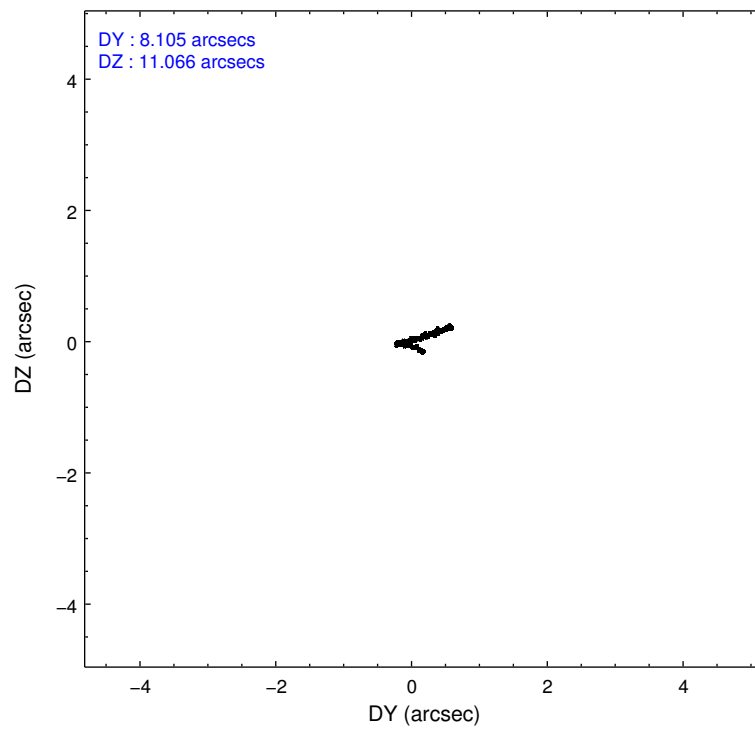
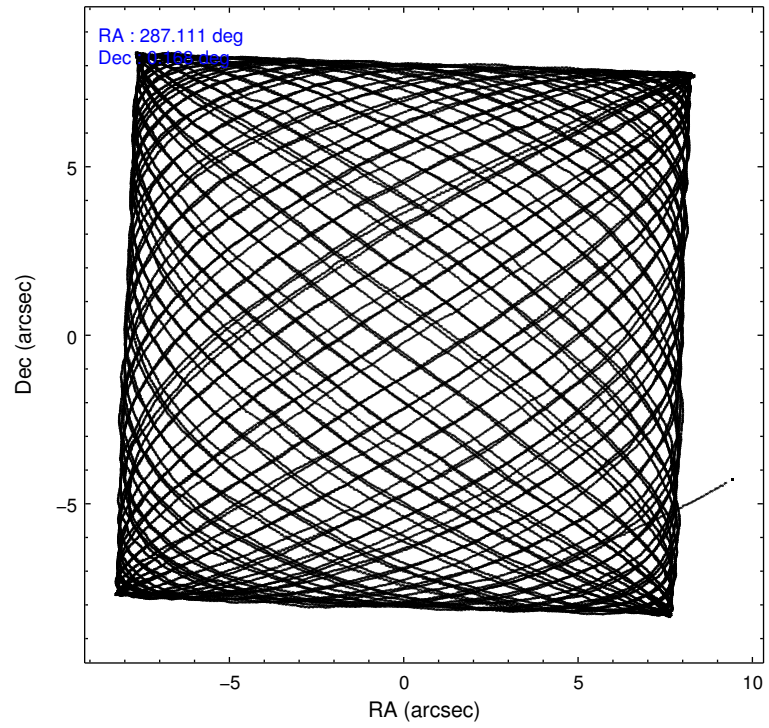
	<b>ccd 7</b>
level 1 events	488744
rejected events	283312
rejected %	57%

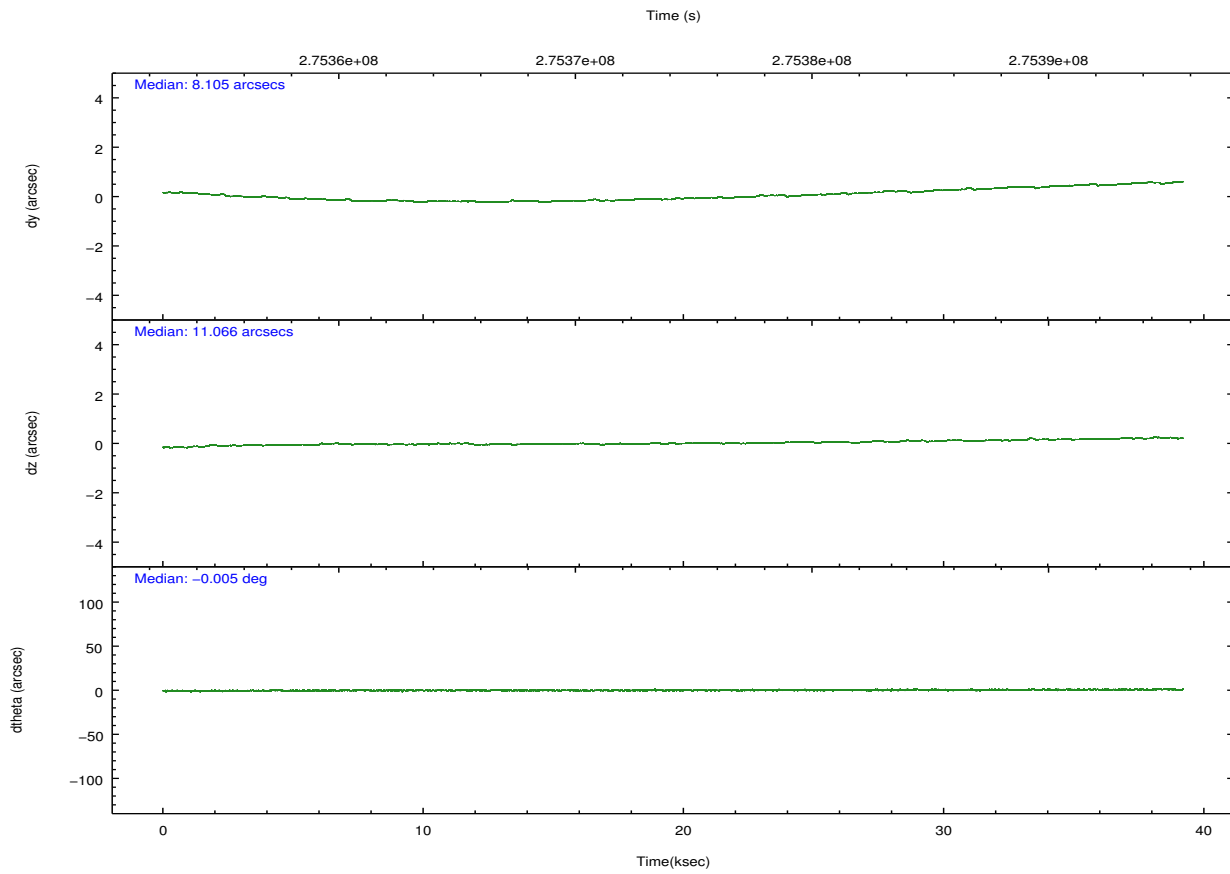
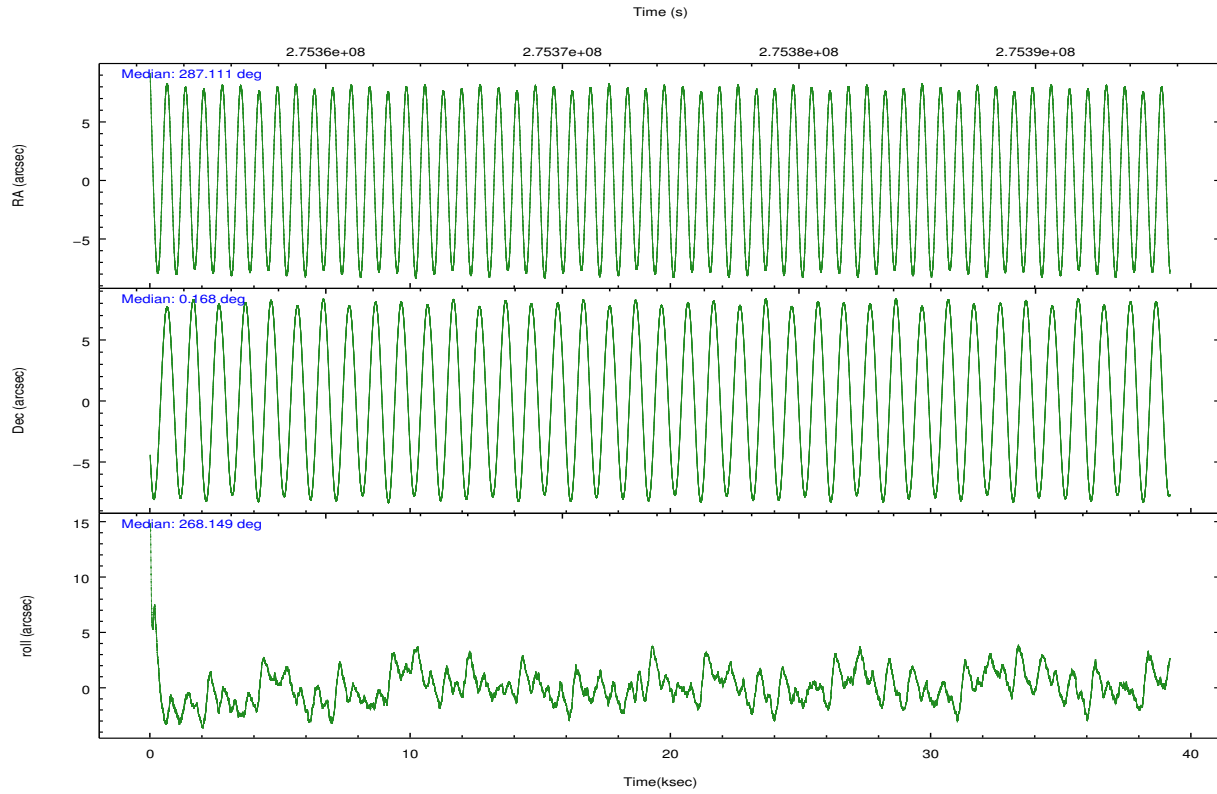
	<b>ccd 7</b>
grade 0 events	18272
	3%
grade 1 events	438
	0%
grade 2 events	41665
	8%
grade 3 events	18063
	3%
grade 4 events	17933
	3%
grade 5 events	46408
	9%
grade 6 events	111057
	22%
grade 7 events	234908
	48%

## 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	287.097614	287.1107902884886	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.191529	0.1676819072244888	Alternating exposures requested	N	N
[deg] Pointing Roll	268.000047	268.1566371707851	[s] Primary exposure time	0.000000	3
[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)	275354722.184000	275353842.672			
Observation start date	2006-09-22T23:24:17	2006-09-22T23:10:42			
[s] Observation end time (MET)	275393722.184000	275395377.21145			
Observation end date	2006-09-23T10:14:17	2006-09-23T10:42:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect



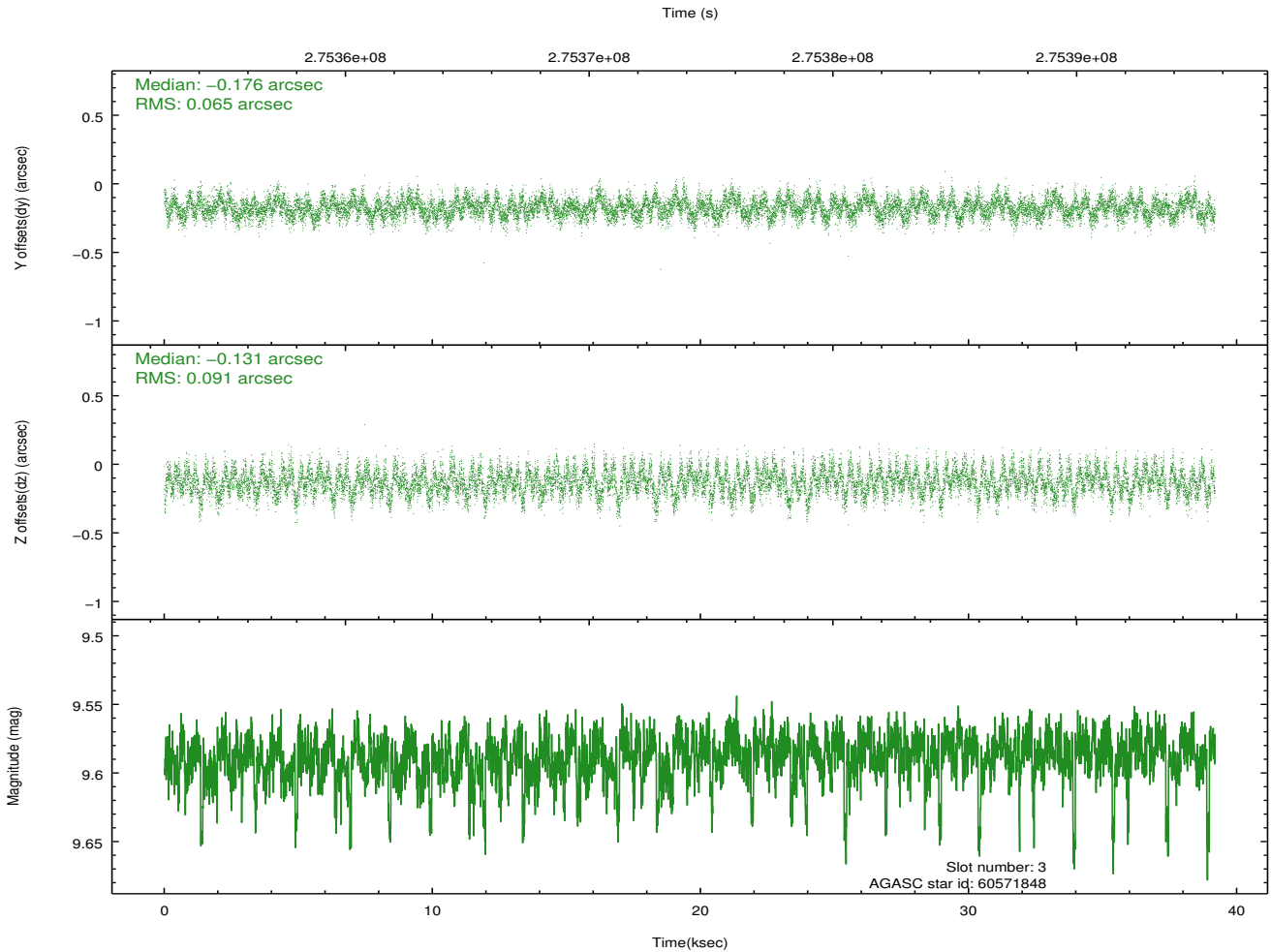
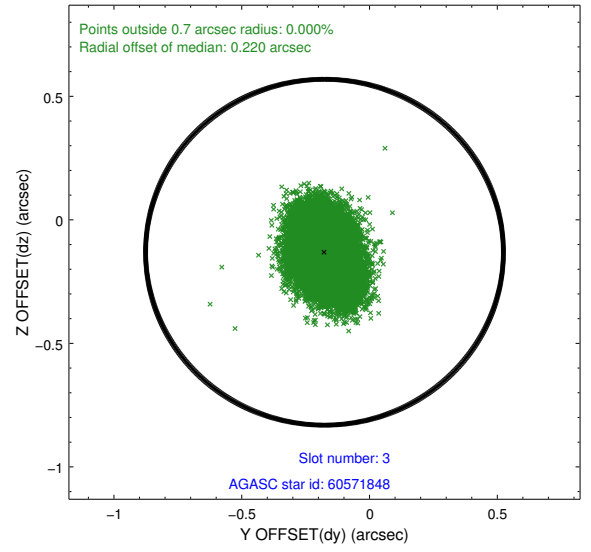
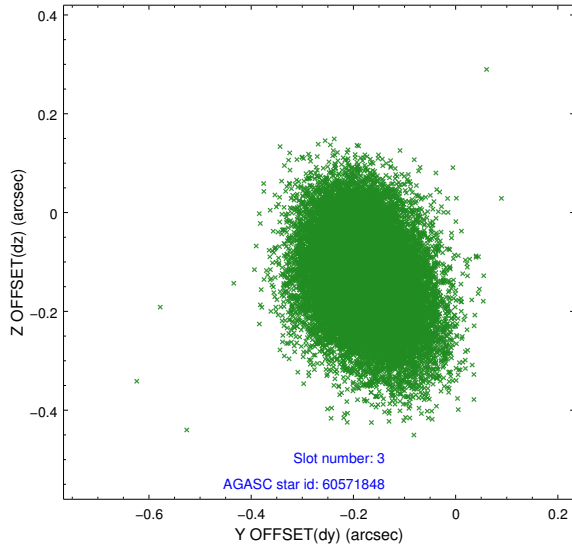


### Slot Statistics

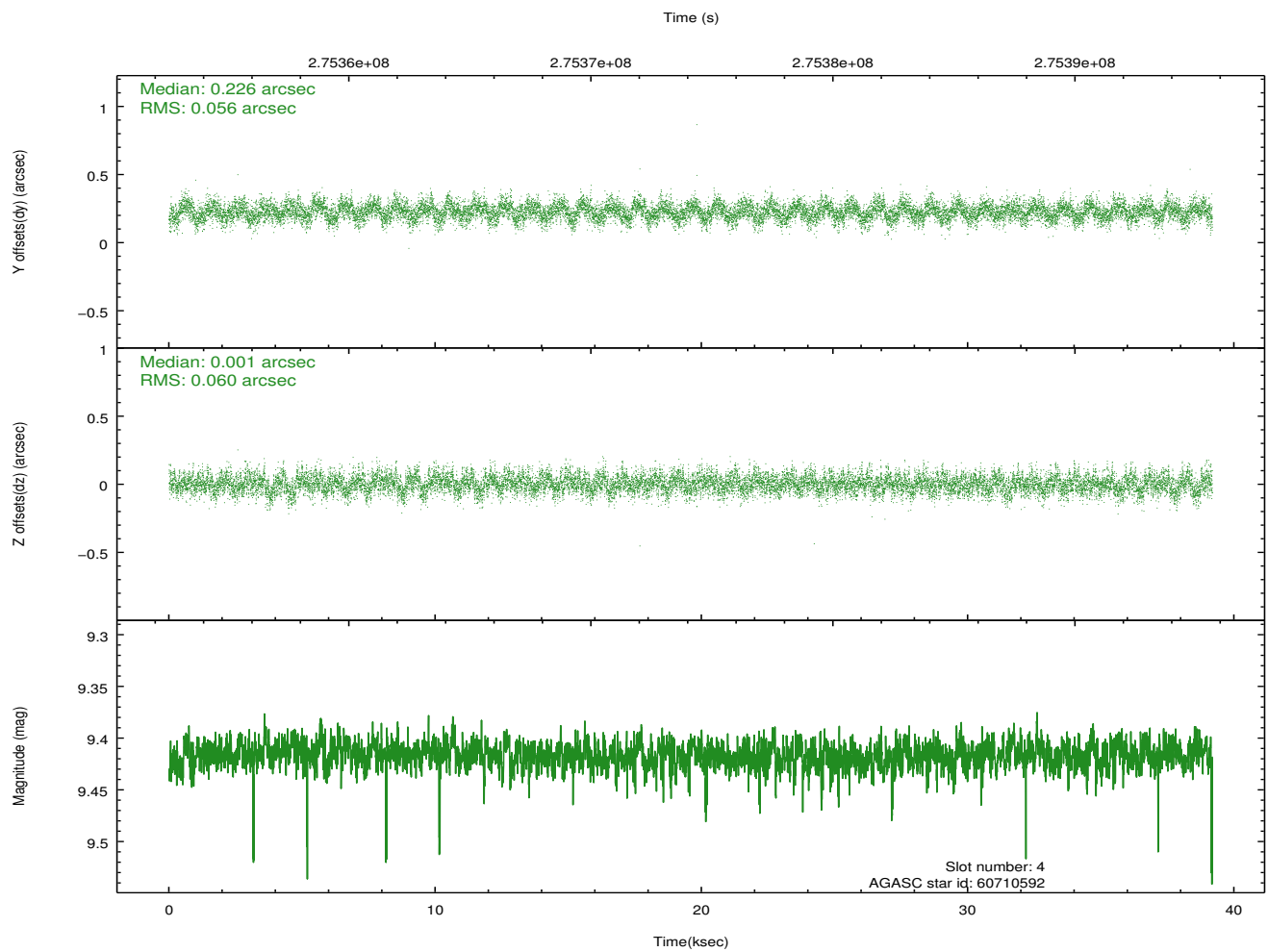
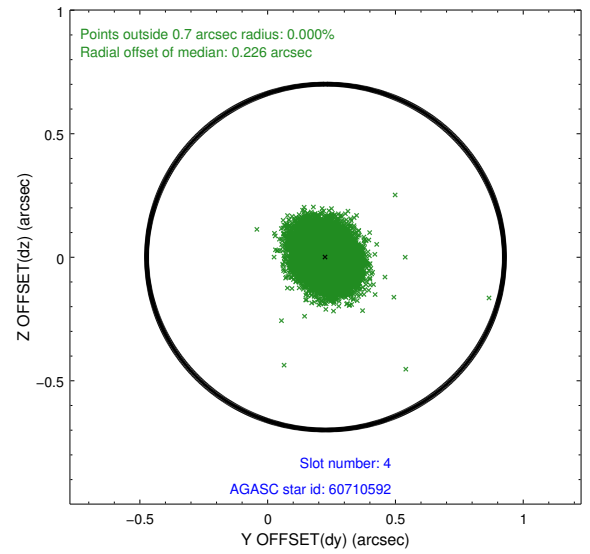
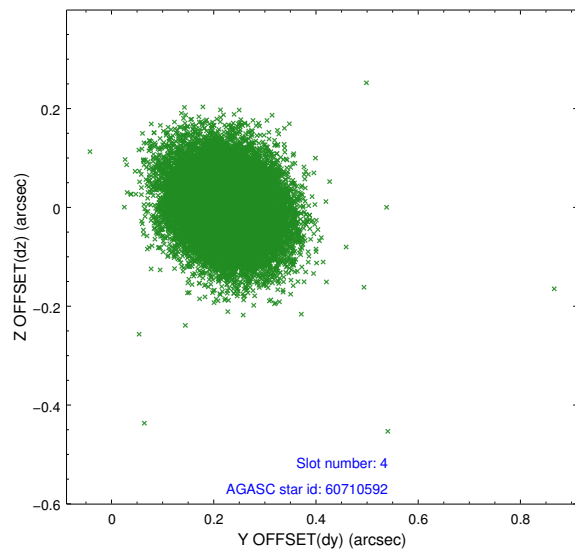
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9556	-0.038	-0.015	0.008	0.013	0.000000	0.000000	-760.97	-1732.39
1	FID	ACIS-S-4	7.21	9555	0.123	0.022	0.011	0.021	0.000000	0.000000	2152.44	176.15
2	FID	ACIS-S-5	7.23	9557	-0.116	0.001	0.013	0.027	0.000000	0.000000	-1813.89	169.76
3	GUIDE	60571848	9.59	19061	-0.176	-0.131	0.119	0.193	286.580175	0.131372	281.75	-1854.23
4	GUIDE	60710592	9.42	19086	0.226	0.001	0.087	0.141	287.035703	0.265770	-258.69	-232.18
5	GUIDE	672270944	6.82	19114	-0.001	0.035	0.071	0.118	287.464983	-0.428115	2183.35	1399.91
6	GUIDE	672276928	8.47	19040	-0.034	0.053	0.062	0.100	287.532809	-0.439826	2216.96	1645.51
7	GUIDE	672281216	9.30	19098	-0.023	0.041	0.096	0.152	287.454836	-0.067927	888.78	1318.02

## 2.4 Star Slots

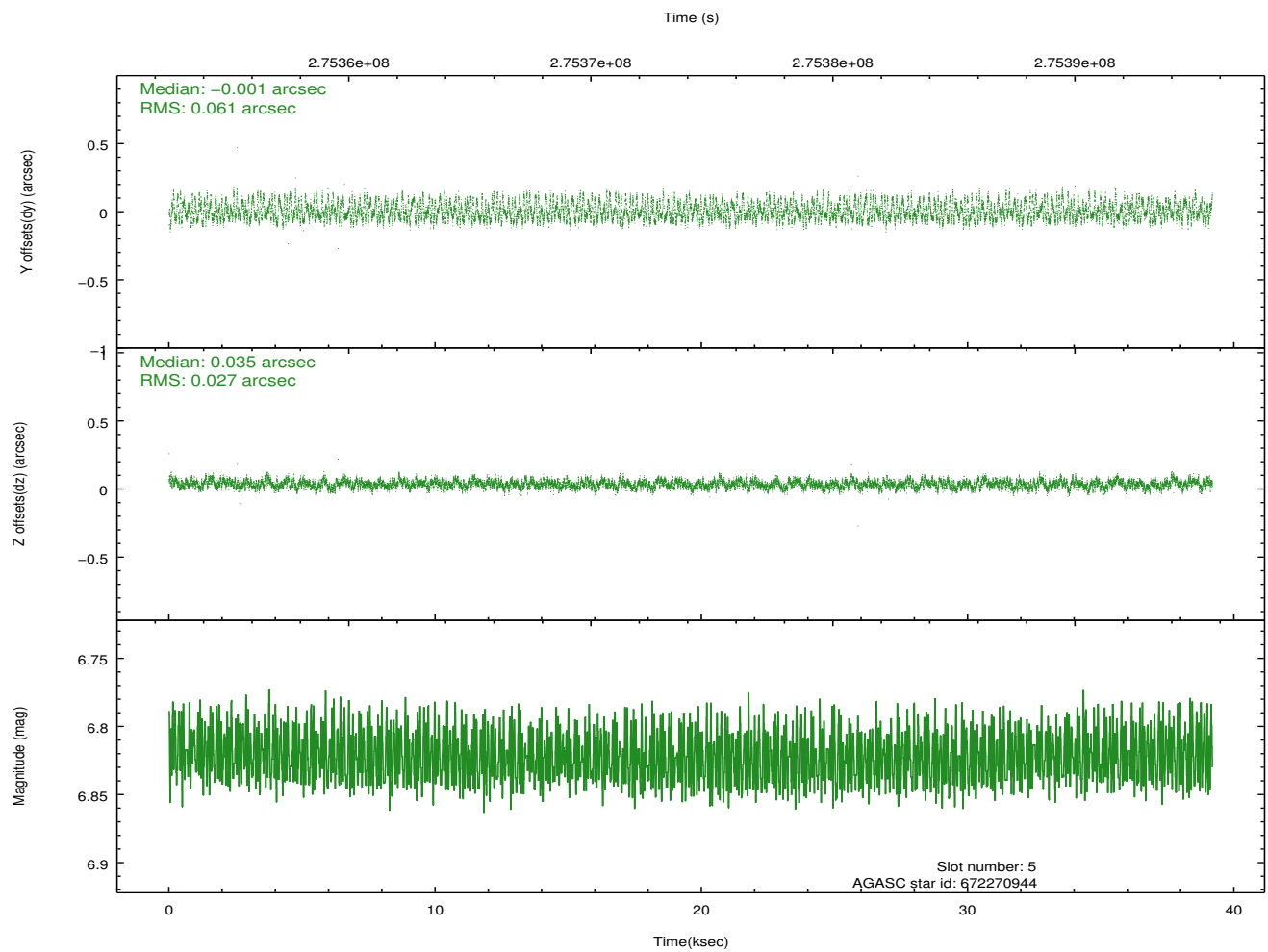
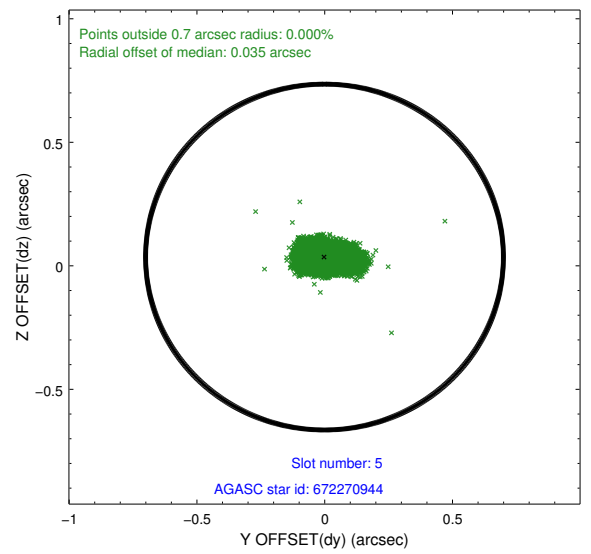
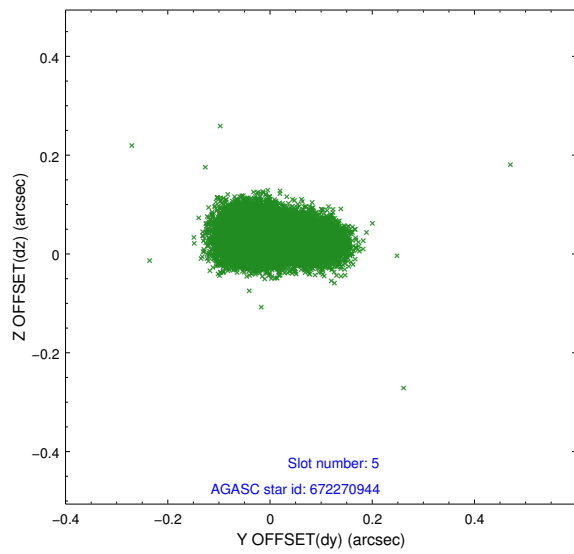
### 2.4.1 Slot 3



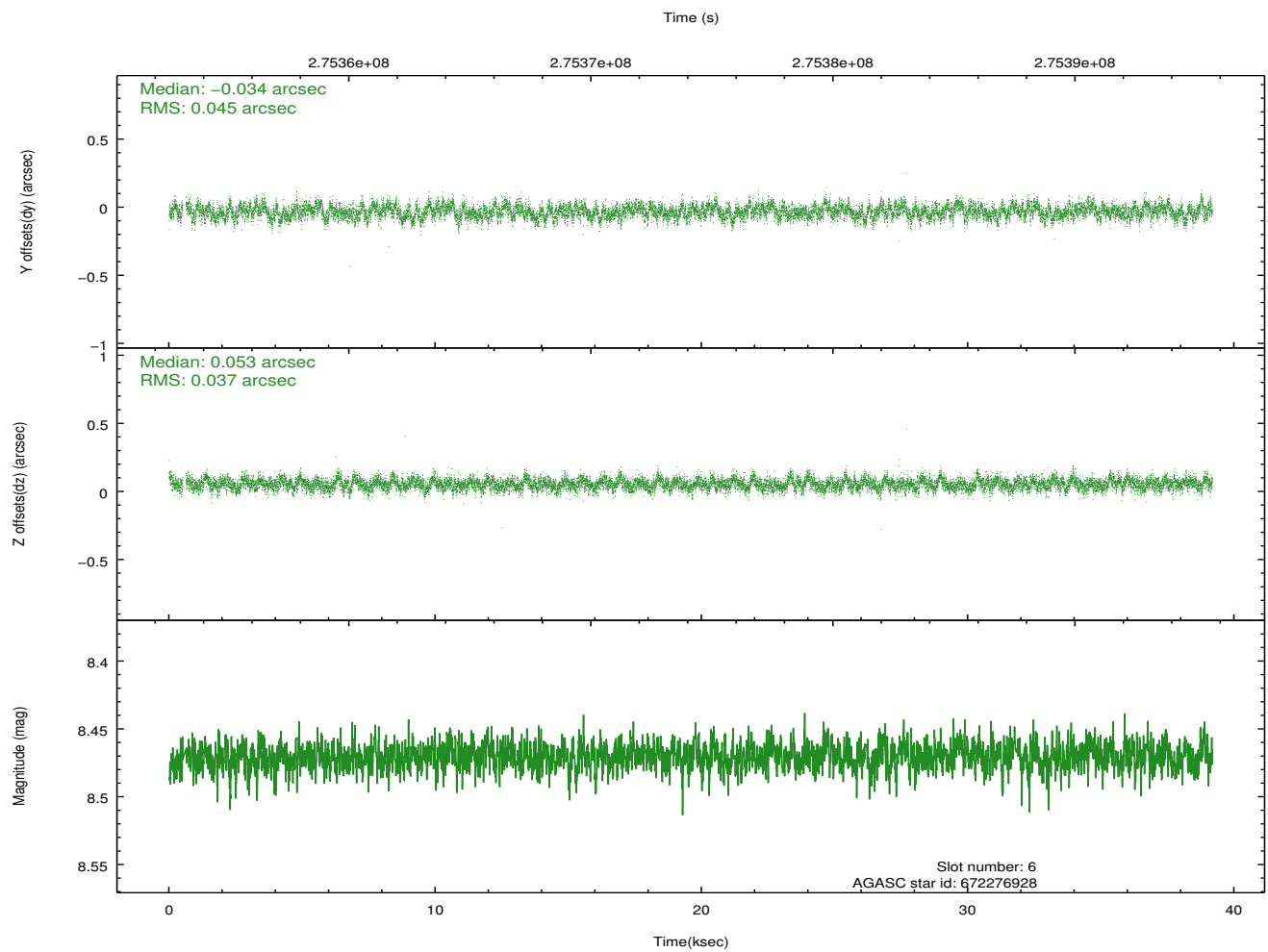
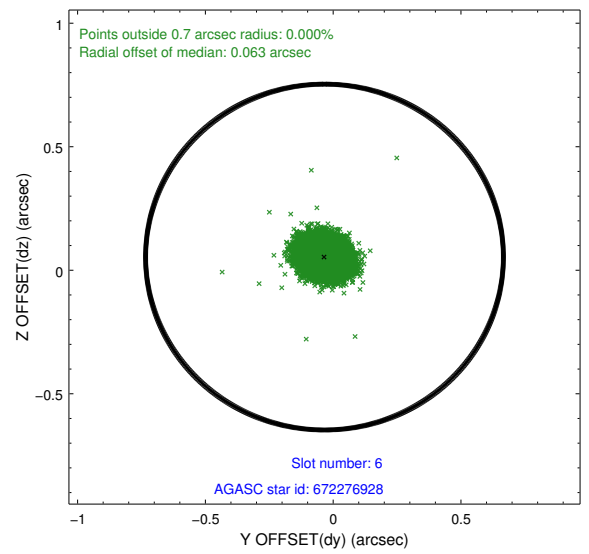
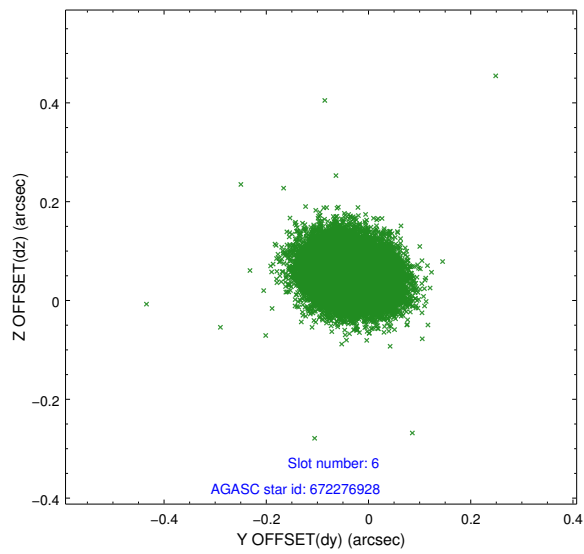
## 2.4.2 Slot 4



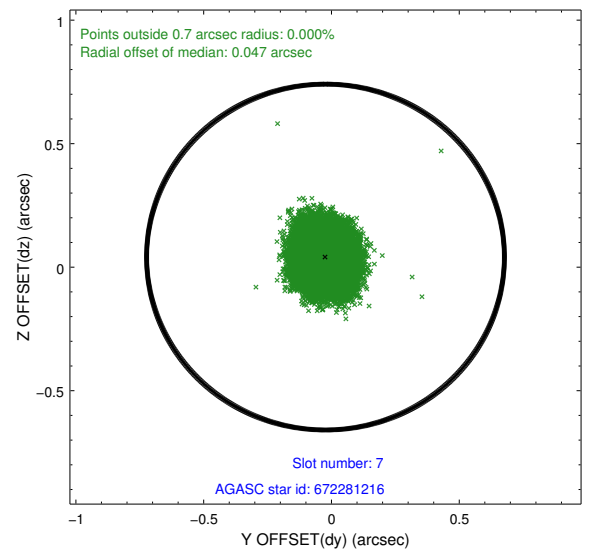
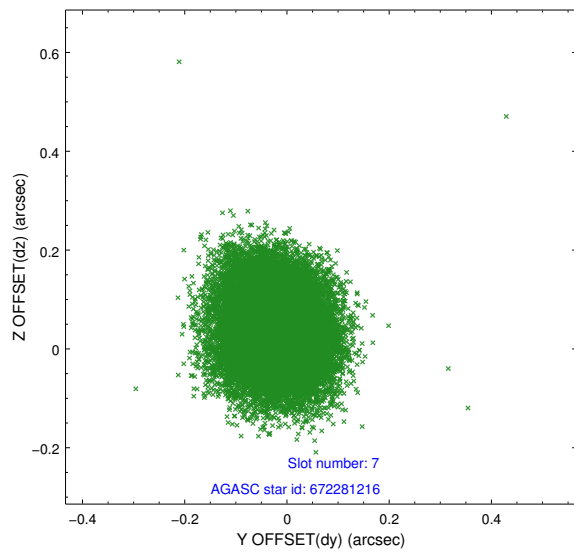
### 2.4.3 Slot 5



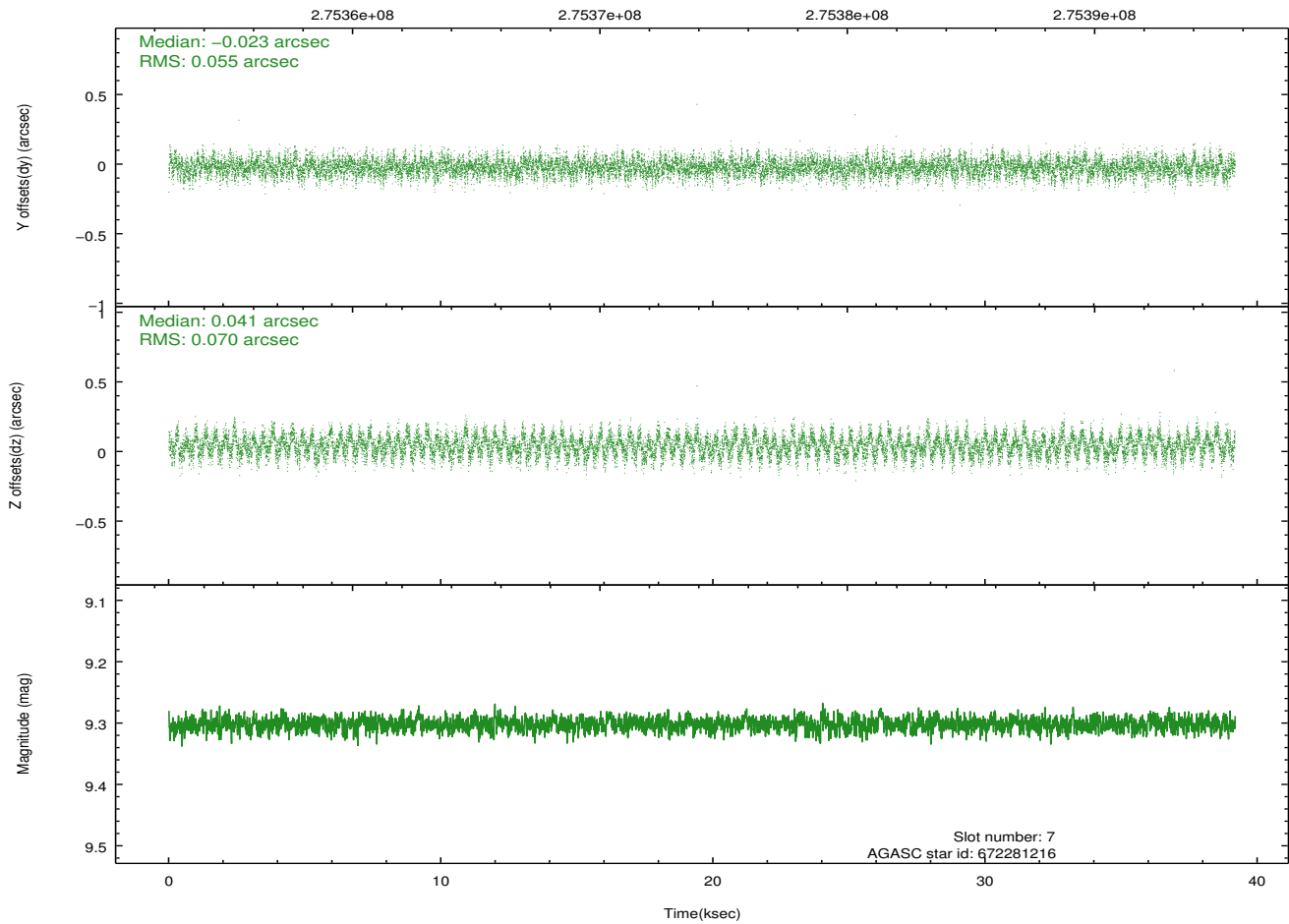
## 2.4.4 Slot 6



## 2.4.5 Slot 7

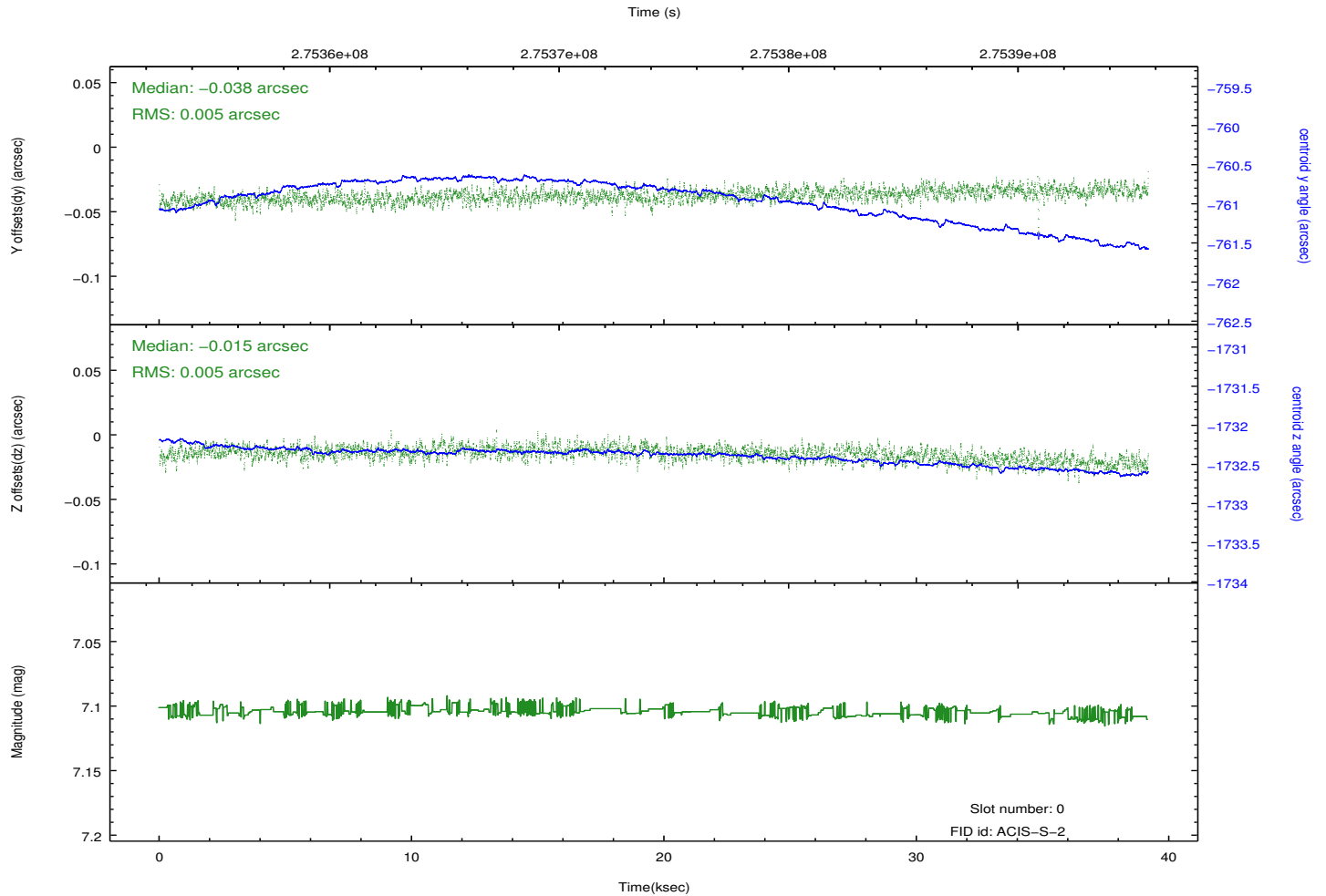
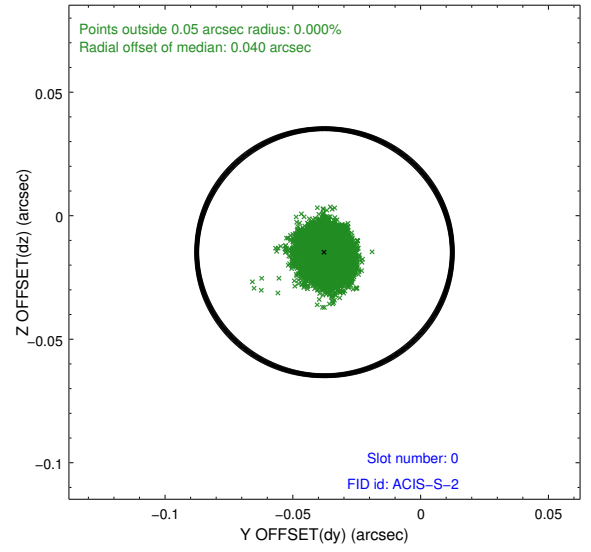
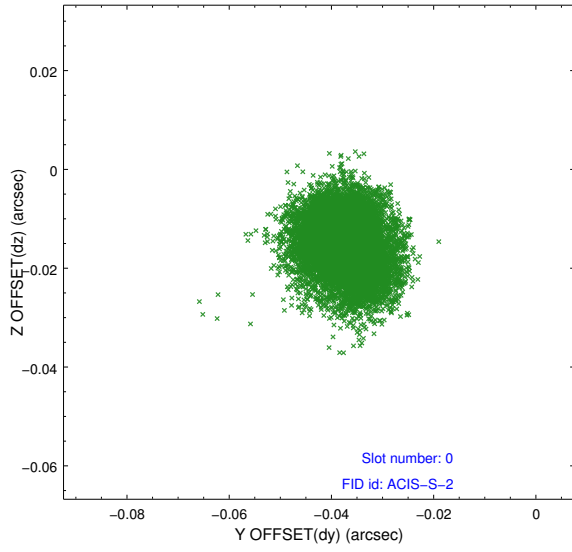


Time (s)

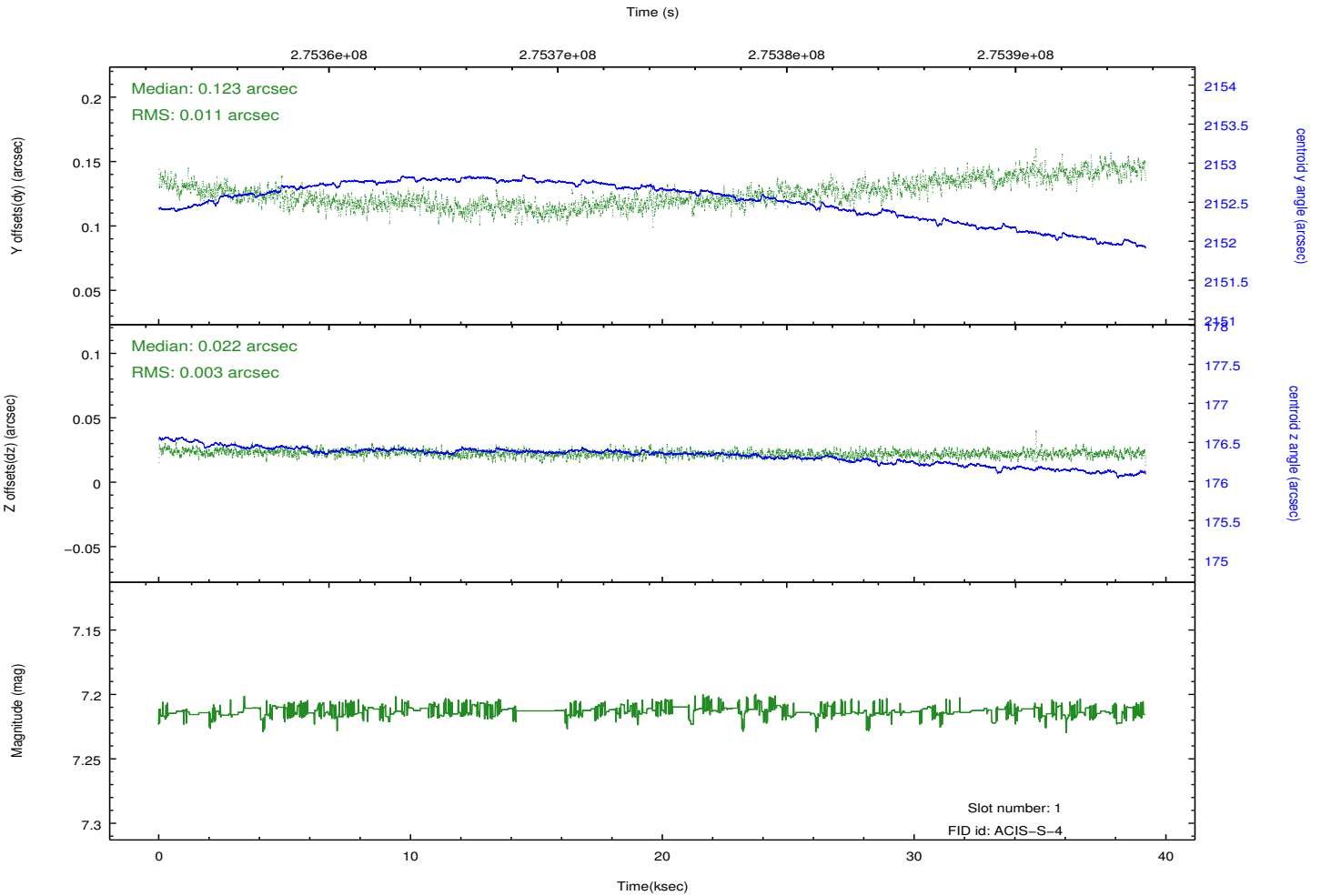
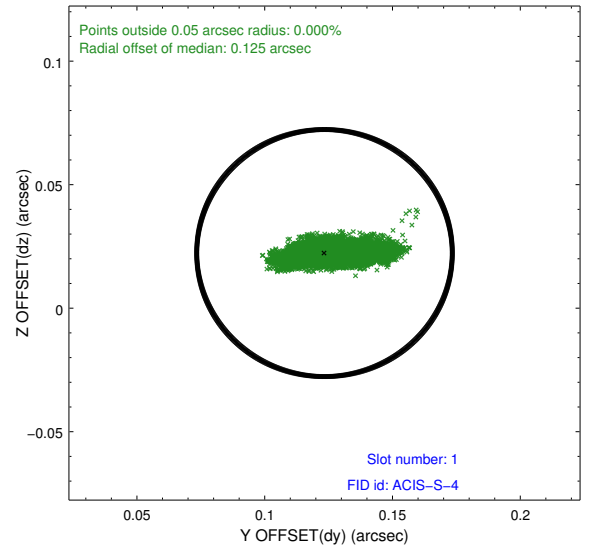
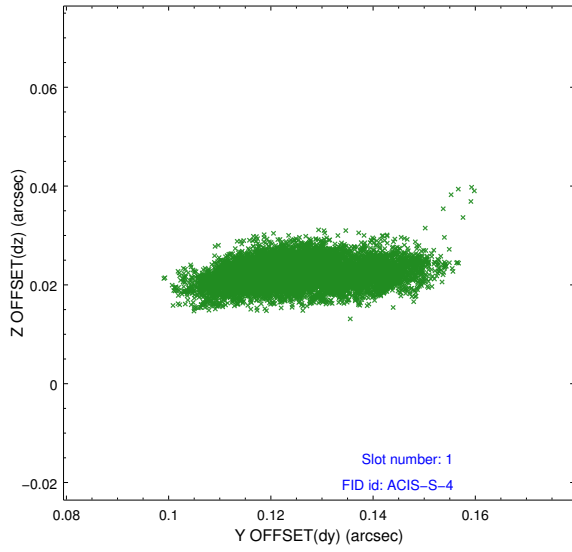


## 2.5 FID Slots

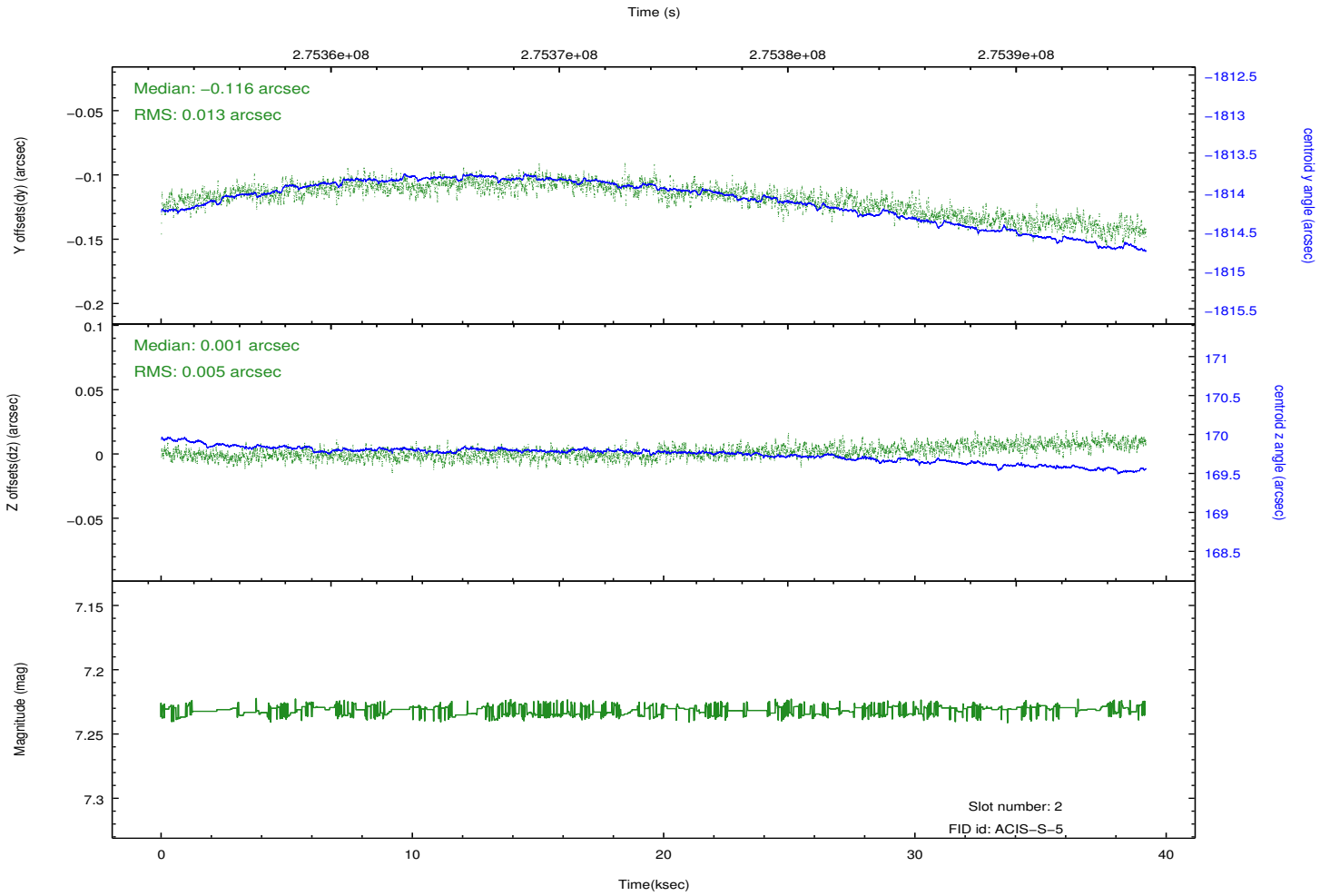
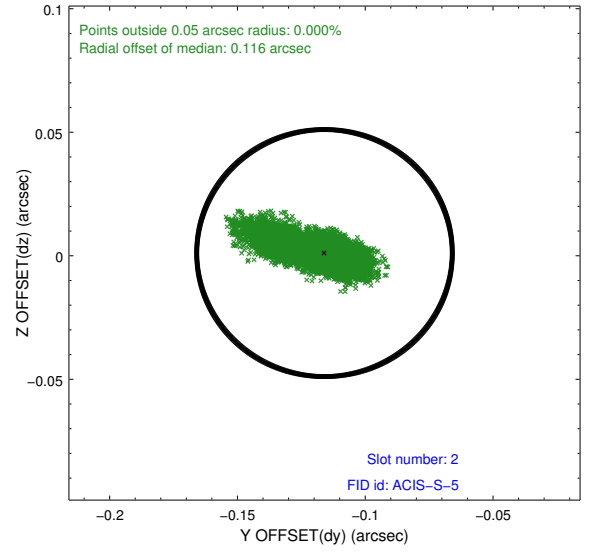
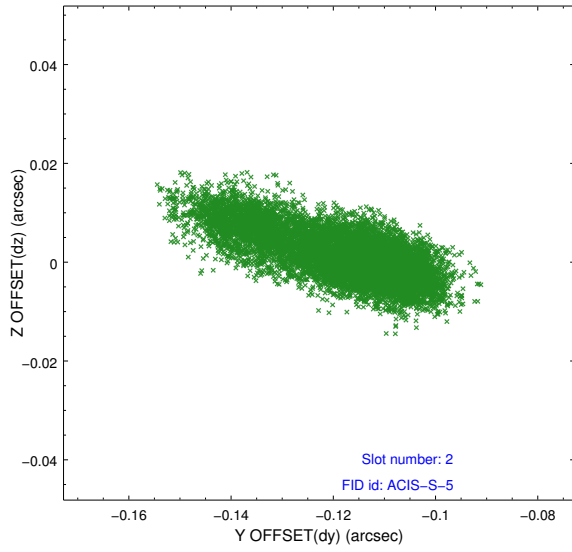
### 2.5.1 Slot 0



## 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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.177

## A.2 Comments