

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6650 - L2 Version 2  
Chandra X-Ray Center

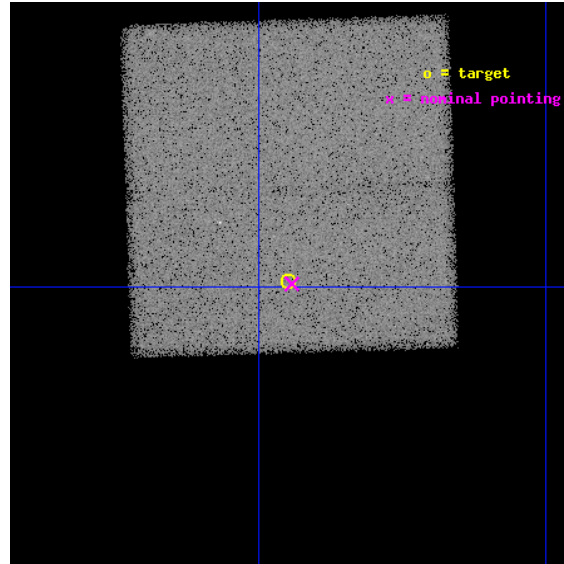
L2 Processing Date : Apr 9 2012

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# 1 Front

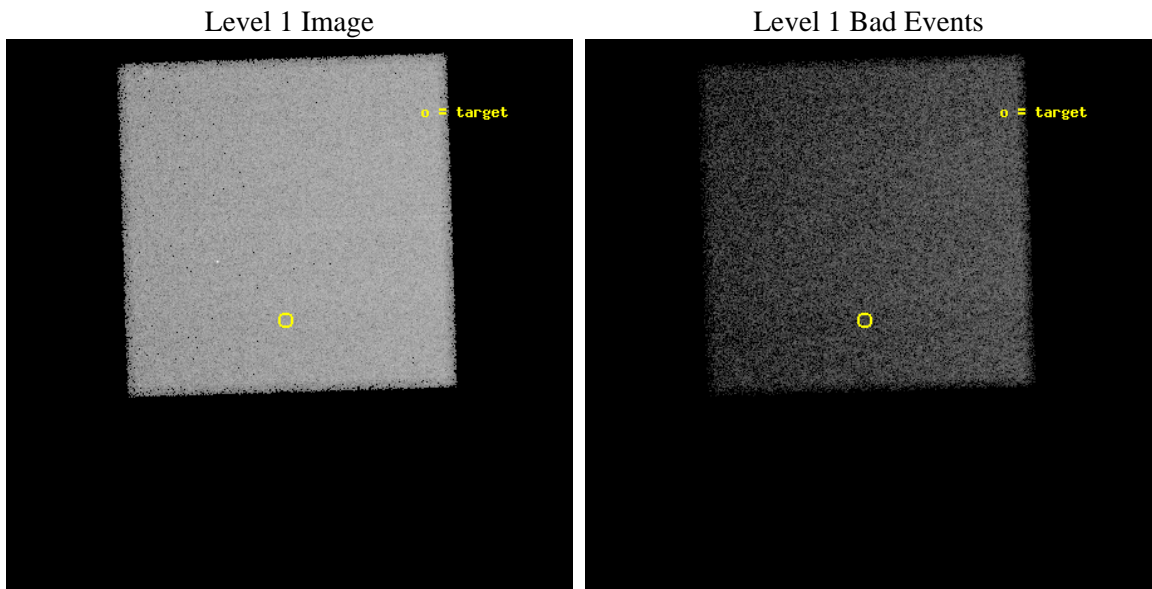
seq_num	400553	Sequence number
obs_id	6650	Observation id
title	The lowest-luminosity quiescent neutron star transient: implications for strong field gravity and the neutron star EoS	Proposal title
observer	dr Peter Jonker	Principal investigator
object	1H 1905+000	Source name
dtcycle	0	&#160
cycle	P	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	287.11079756342	Nominal RA [deg]
dec_nom	0.16769443112438	Nominal Dec [deg]
roll_nom	268.15664409457	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41184.0	Sum of GTIs [s]
livetime	40628.206140005	Livetime [s]
ontime7	41184.0	Sum of GTIs [s]
l2events	209745	Number of level 2 events



## 2 OBI

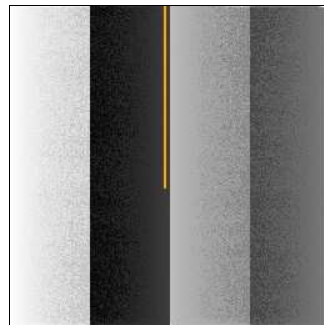
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	41184.0	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	41184.0	Sum of GTIs [s]
date	2012-04-09T18:05:08	Date and time of file creation	l1events	509441	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

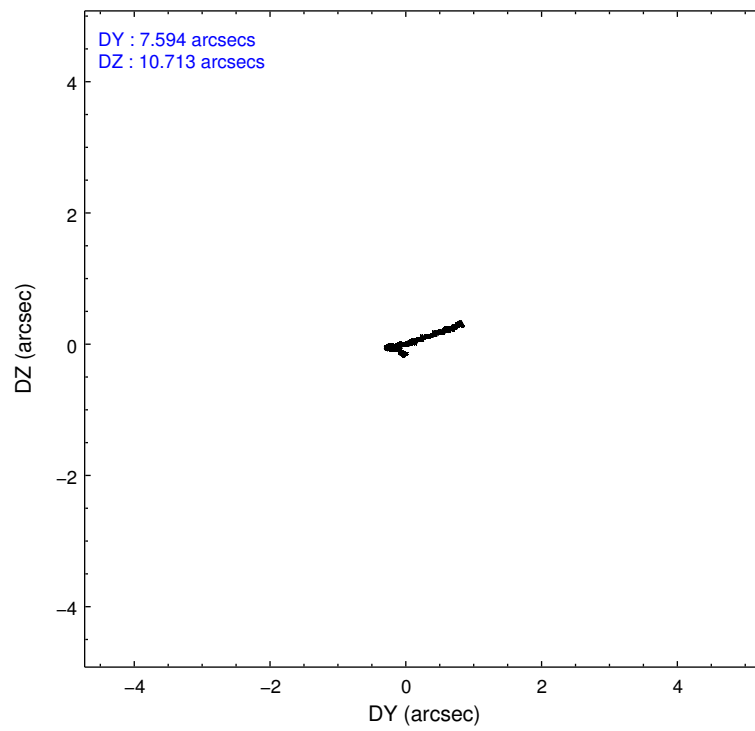
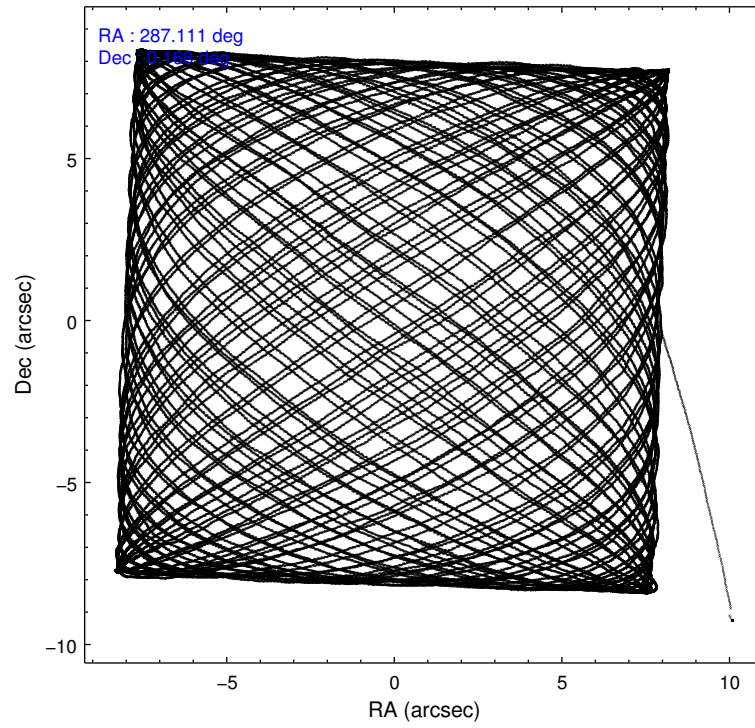
	<b>ccd 7</b>
level 1 events	509441
rejected events	294480
rejected %	57%

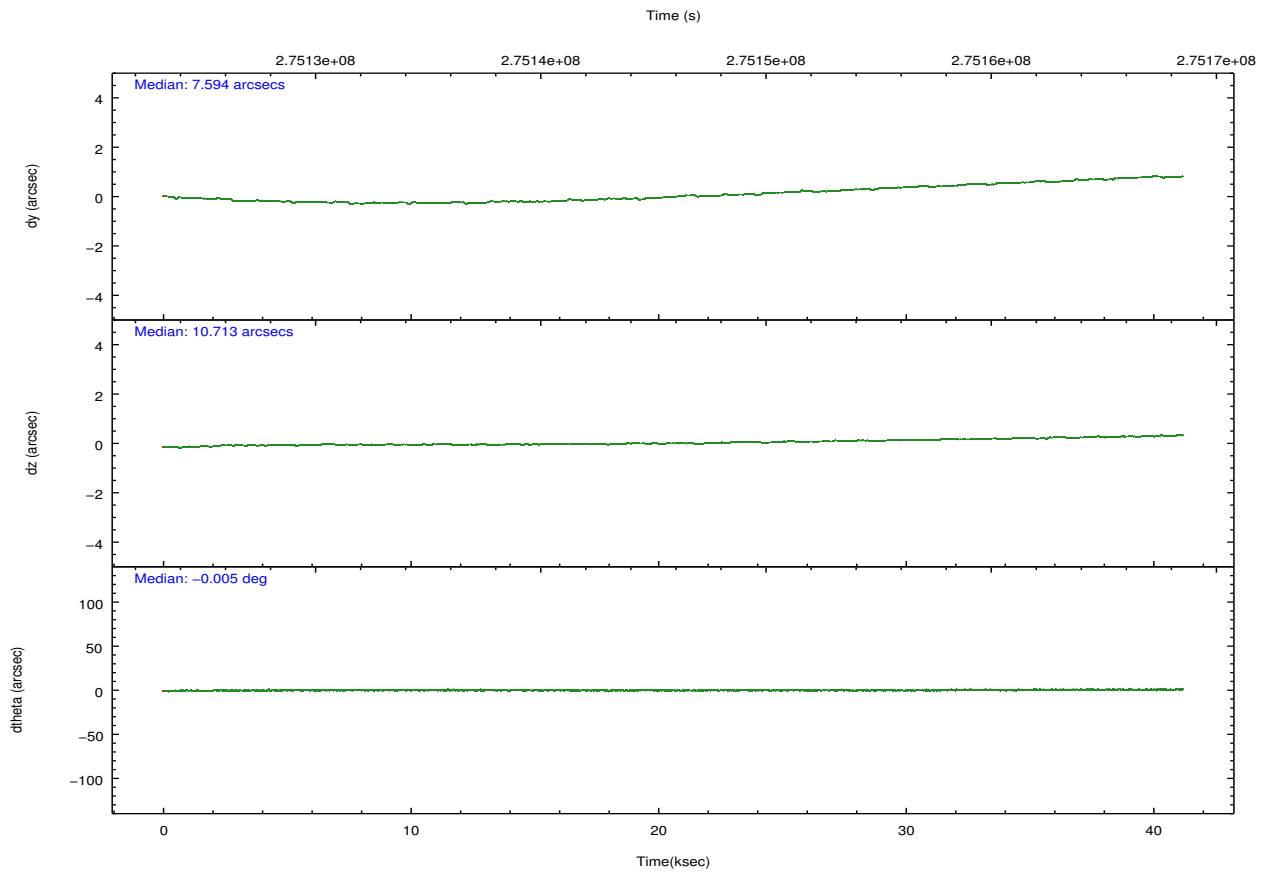
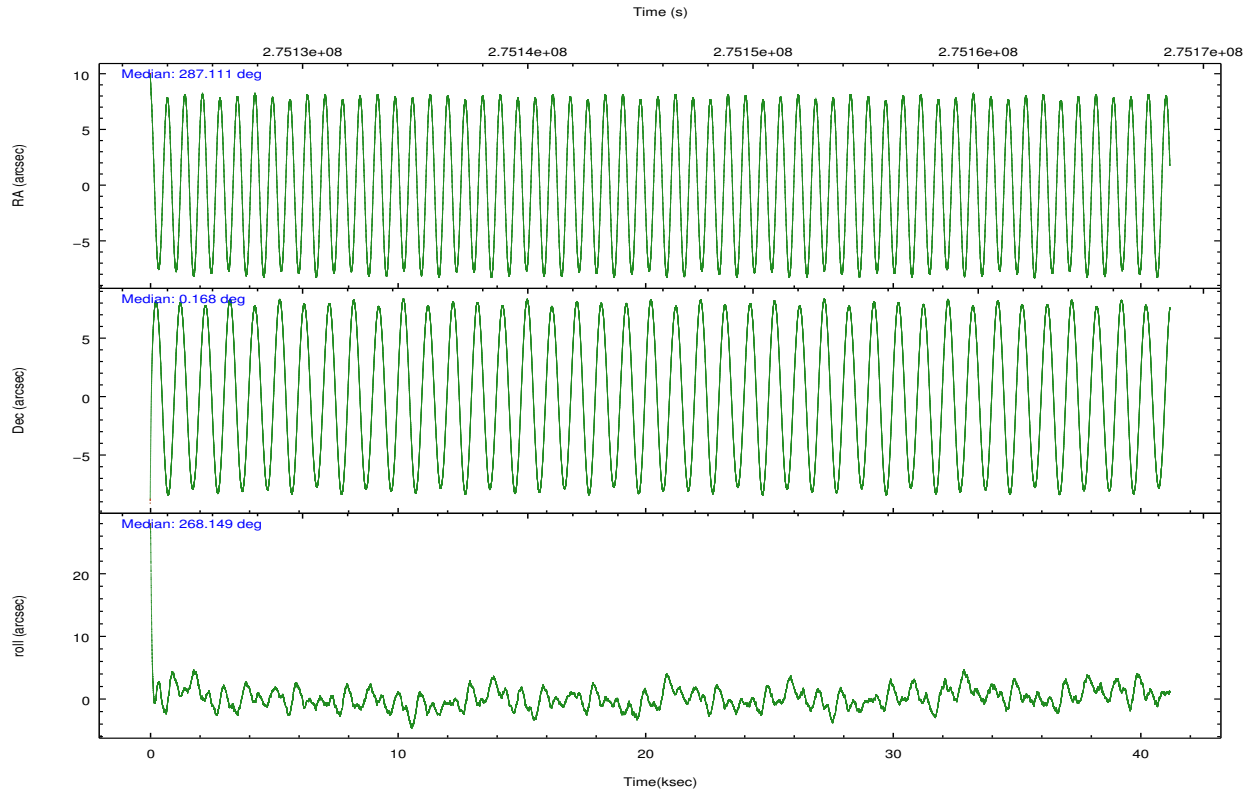
	<b>ccd 7</b>
grade 0 events	19295
	3%
grade 1 events	469
	0%
grade 2 events	44192
	8%
grade 3 events	18908
	3%
grade 4 events	18959
	3%
grade 5 events	48115
	9%
grade 6 events	115025
	22%
grade 7 events	244478
	47%

## 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	287.11079756342	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.191529	0.1676944311243774	Alternating exposures requested	N	N
[deg] Pointing Roll	268.000047	268.156644094573	[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)	275125454.184000	275124588.59871			
Observation start date	2006-09-20T07:43:09	2006-09-20T07:29:48			
[s] Observation end time (MET)	275166454.184000	275167257.30072			
Observation end date	2006-09-20T19:06:29	2006-09-20T19:20:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect



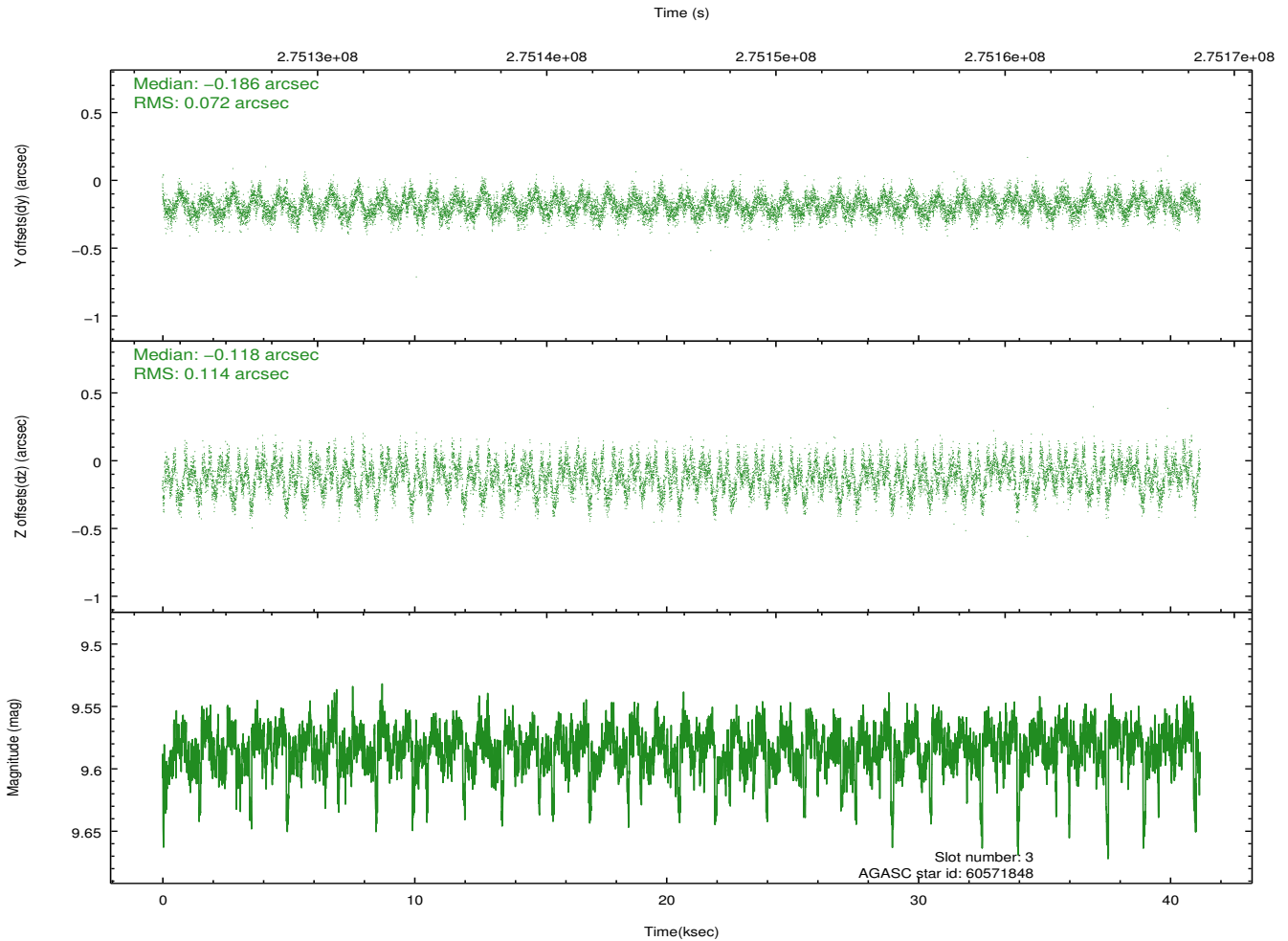
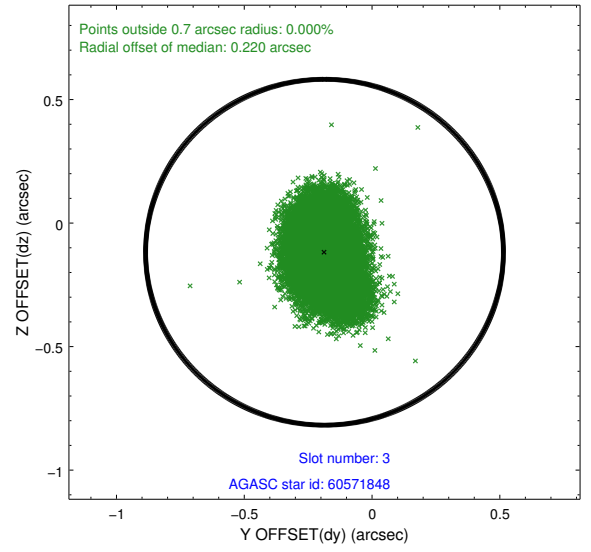
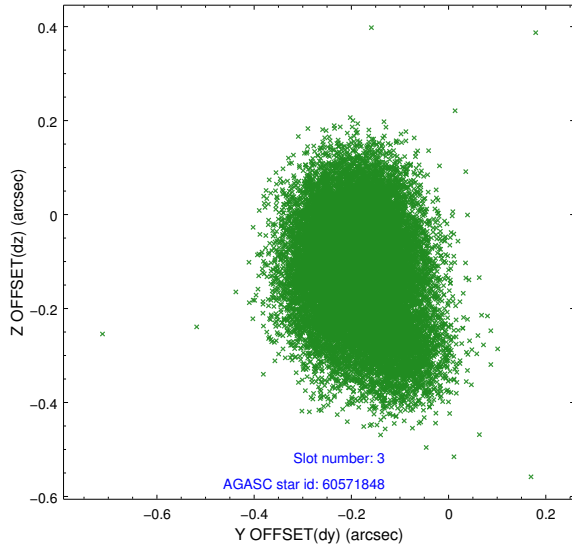


### Slot Statistics

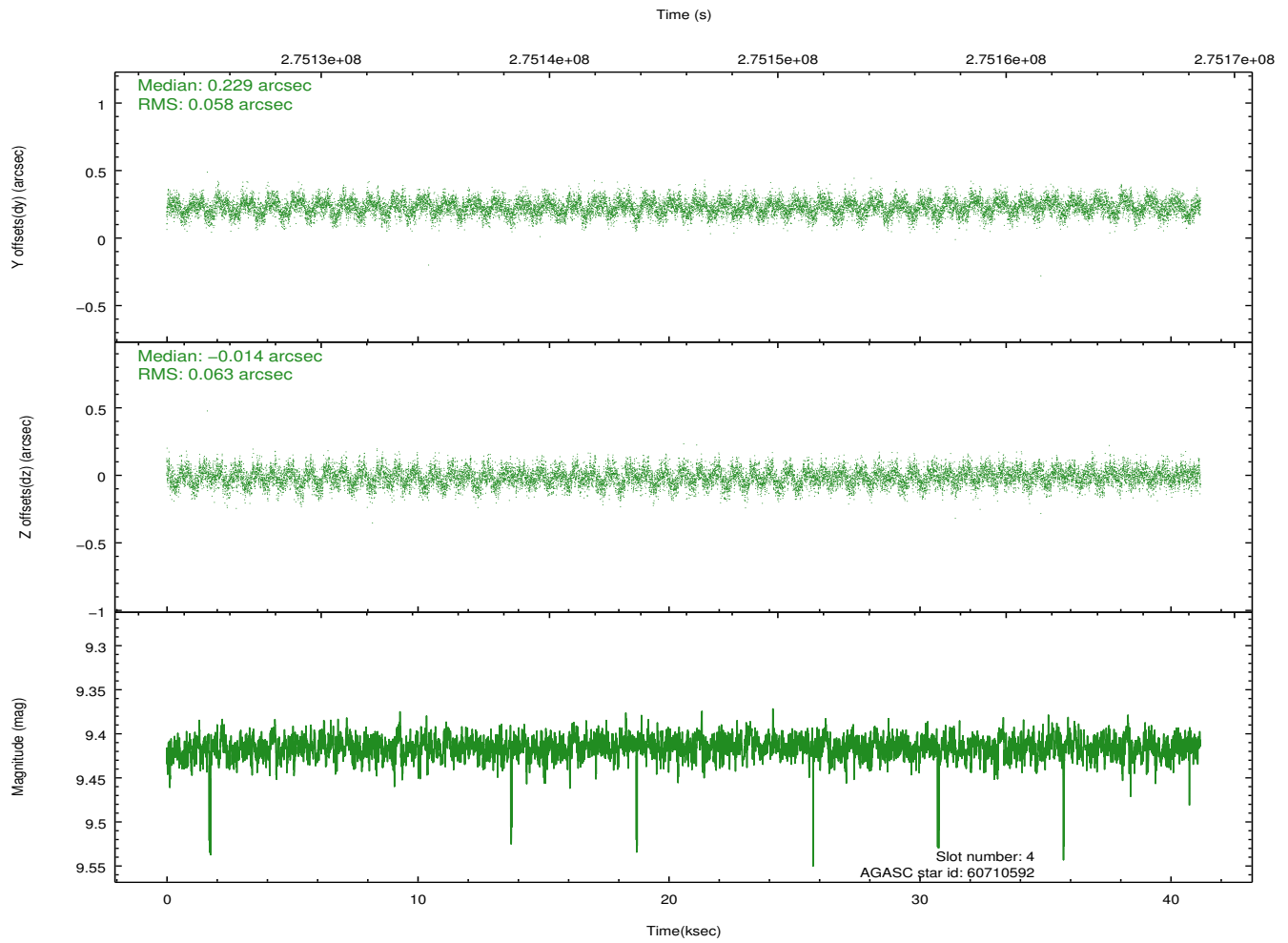
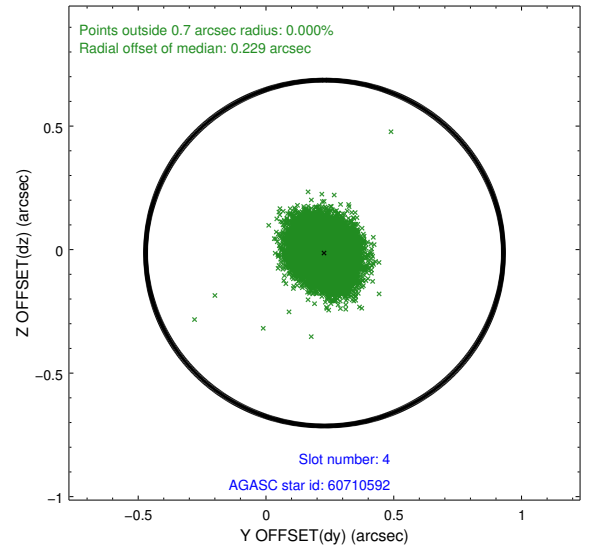
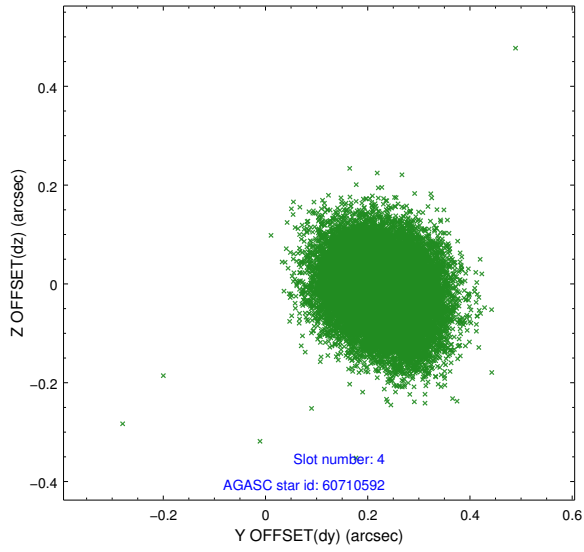
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	10047	-0.051	-0.023	0.012	0.022	0.000000	0.000000	-760.49	-1732.07
1	FID	ACIS-S-4	7.21	10047	0.125	0.031	0.011	0.018	0.000000	0.000000	2152.91	176.52
2	FID	ACIS-S-5	7.23	10047	-0.106	0.001	0.015	0.025	0.000000	0.000000	-1813.42	170.09
3	GUIDE	60571848	9.58	20042	-0.186	-0.118	0.143	0.235	286.580175	0.131372	281.82	-1854.25
4	GUIDE	60710592	9.42	20045	0.229	-0.014	0.091	0.146	287.035703	0.265770	-258.63	-232.22
5	GUIDE	672270944	6.82	20093	0.005	0.041	0.073	0.120	287.464983	-0.428115	2183.41	1399.90
6	GUIDE	672276928	8.47	20085	-0.027	0.059	0.065	0.105	287.532809	-0.439826	2217.04	1645.47
7	GUIDE	672281216	9.30	20077	-0.030	0.037	0.098	0.156	287.454836	-0.067927	888.82	1317.98

## 2.4 Star Slots

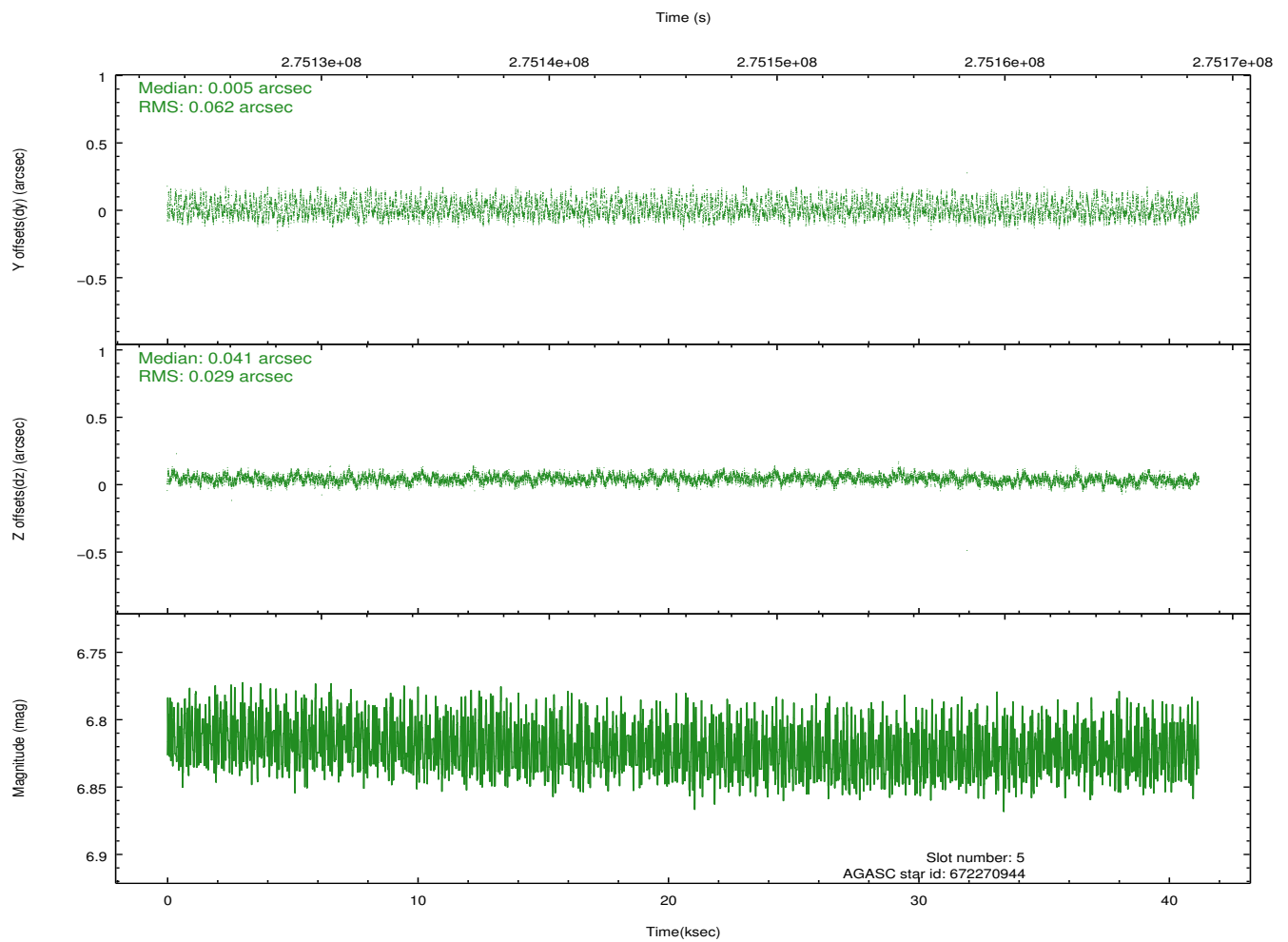
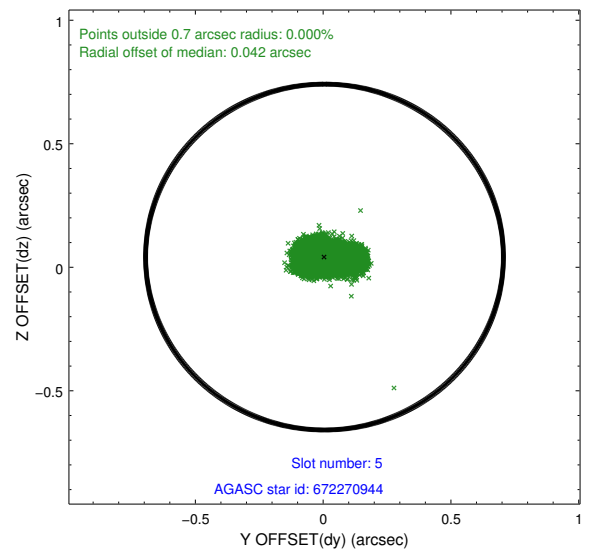
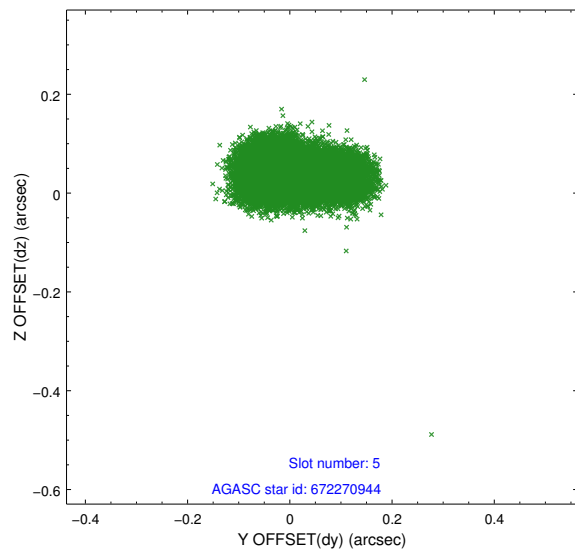
### 2.4.1 Slot 3



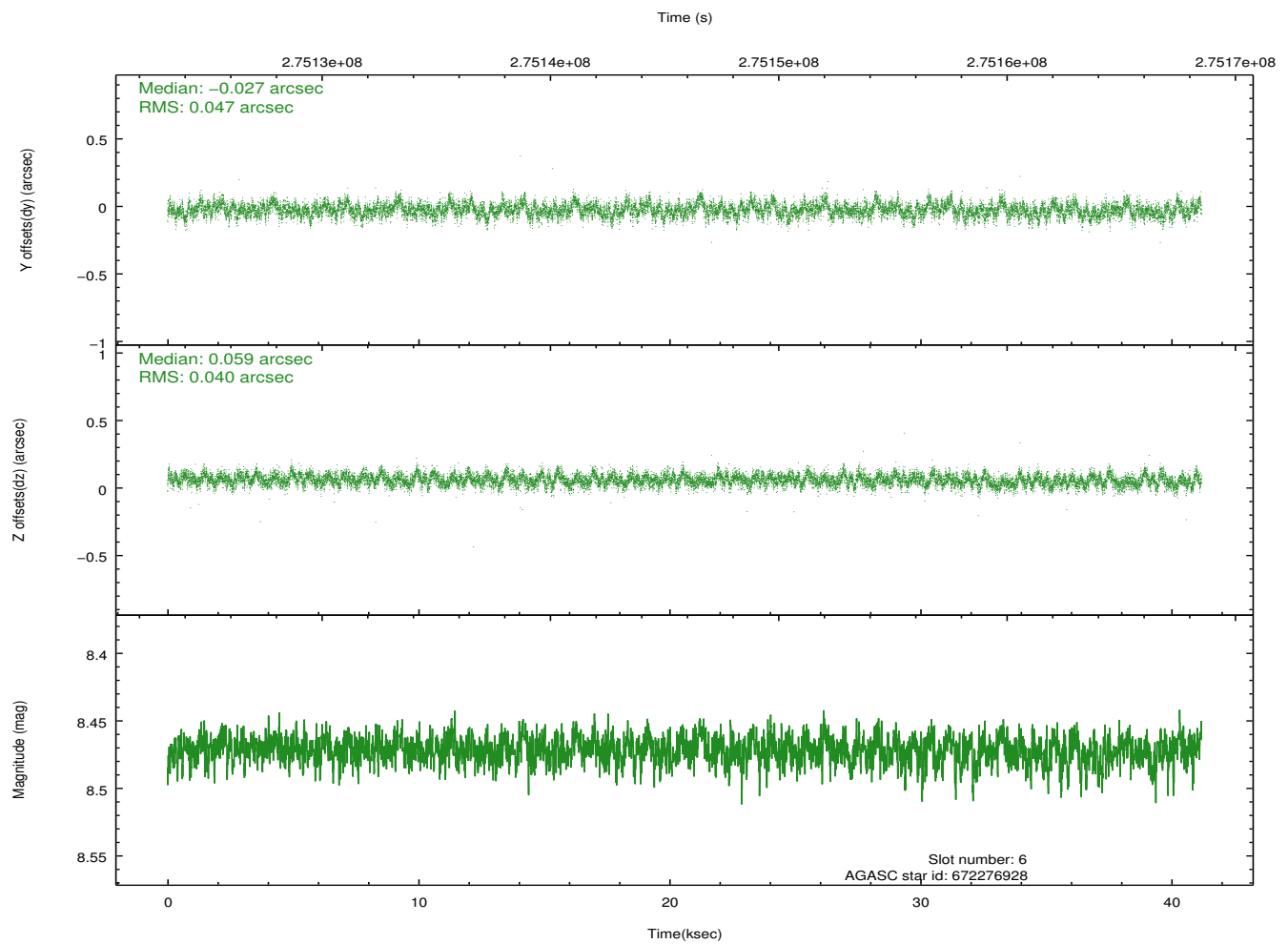
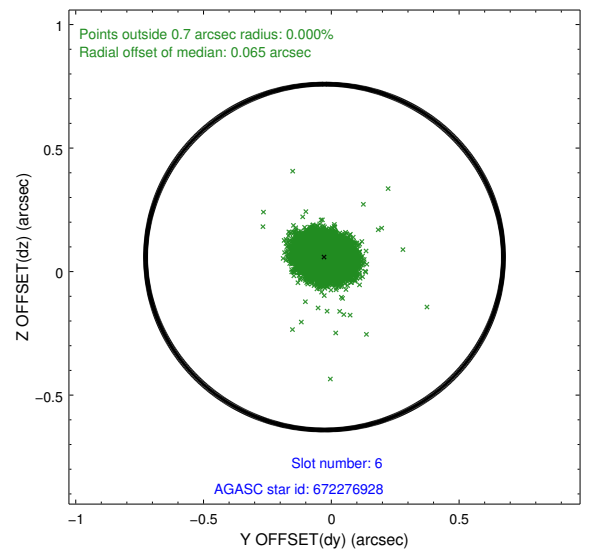
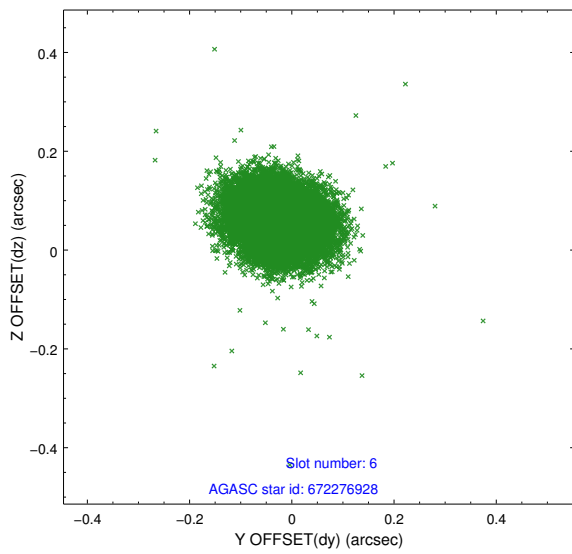
### 2.4.2 Slot 4



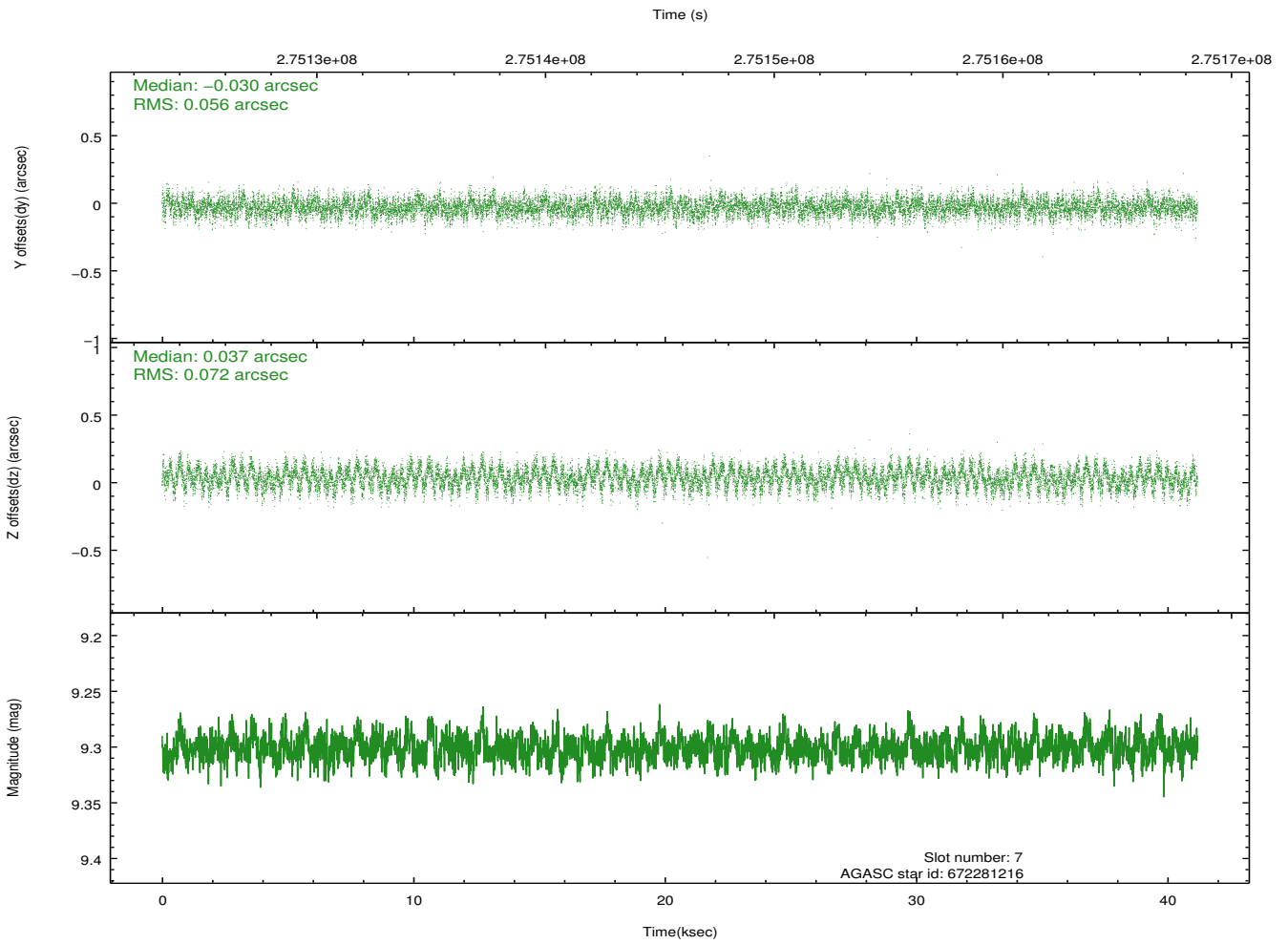
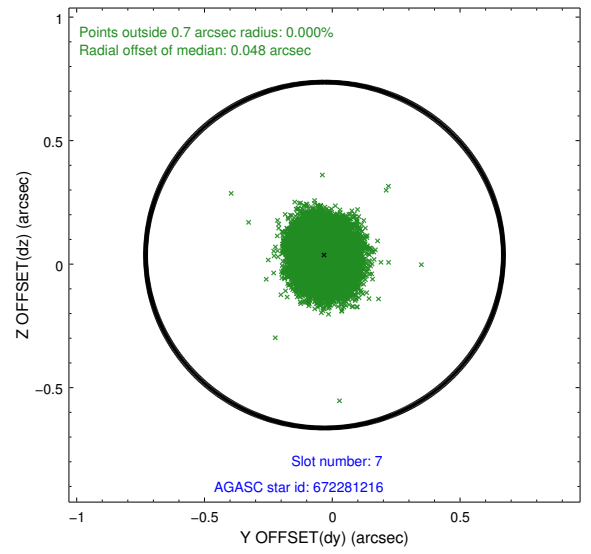
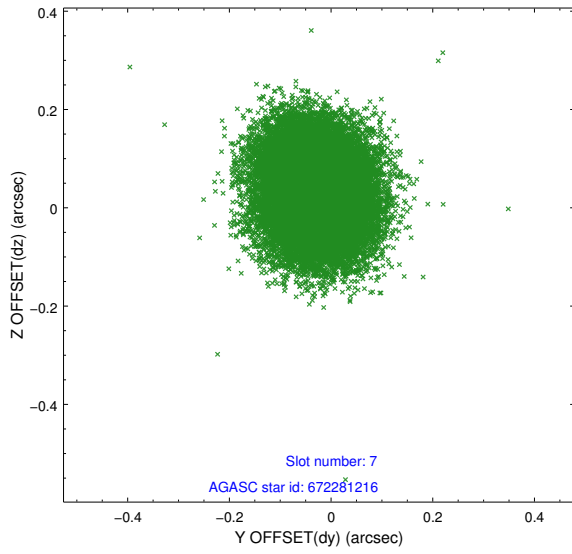
### 2.4.3 Slot 5



## 2.4.4 Slot 6

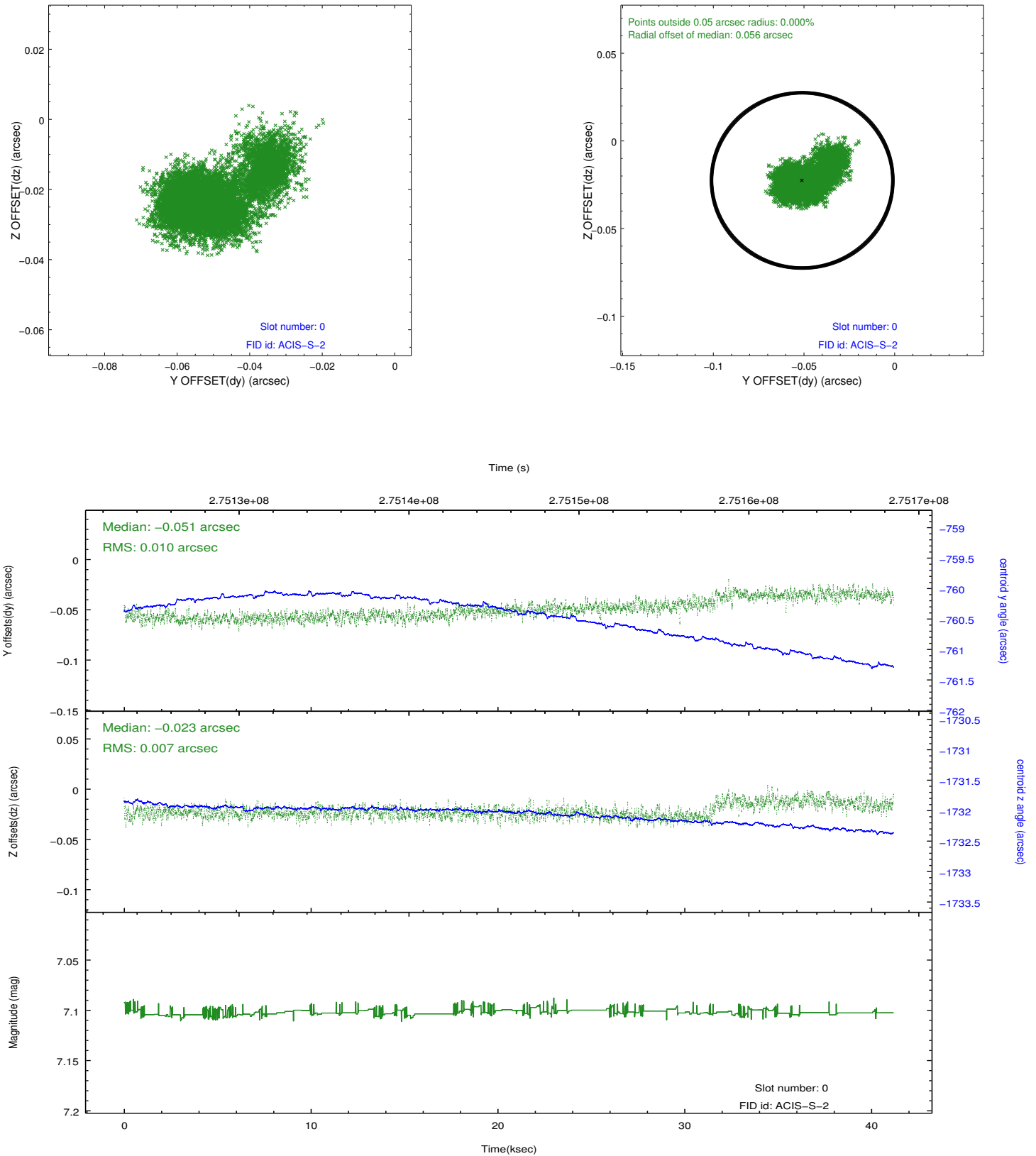


### 2.4.5 Slot 7

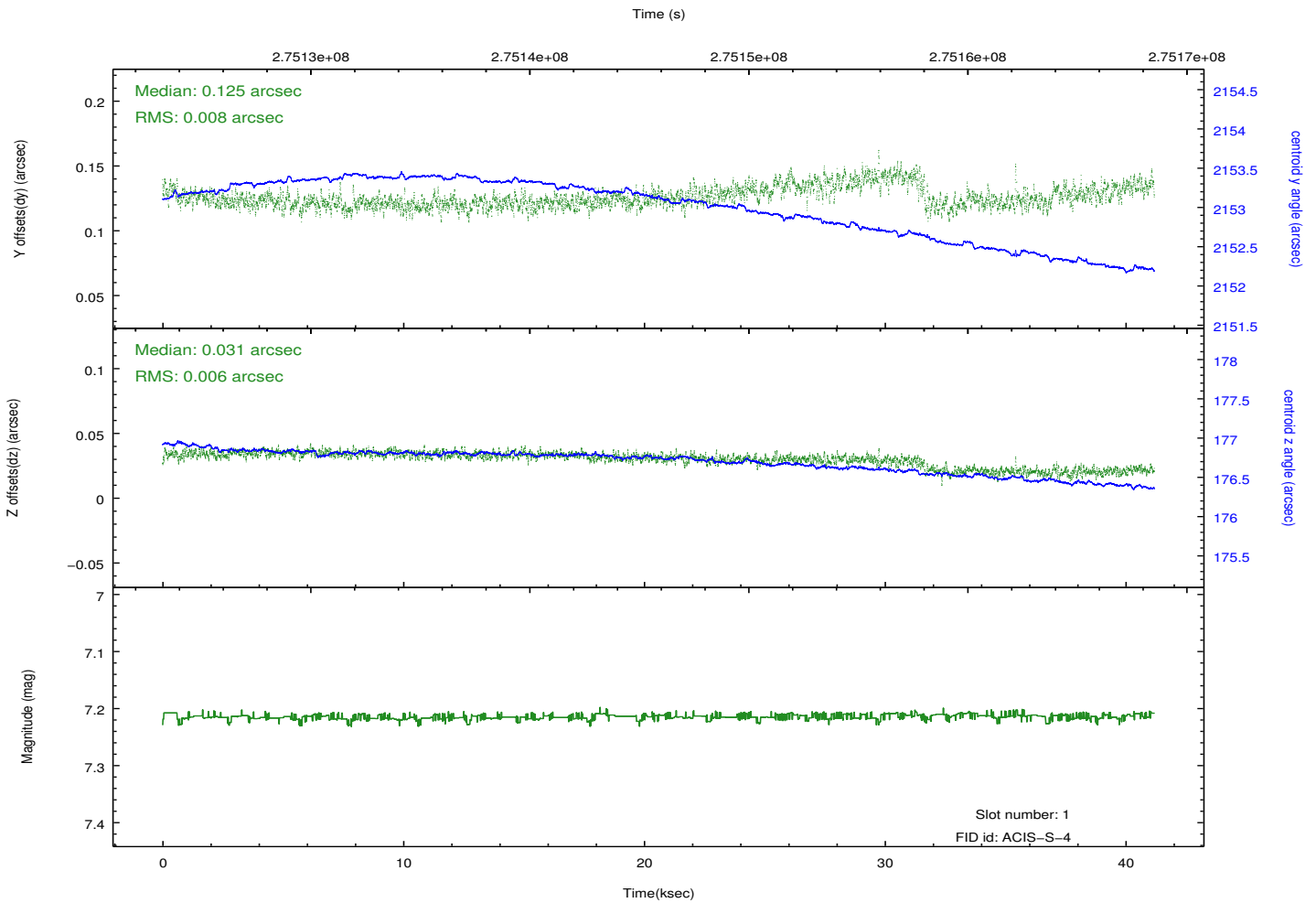
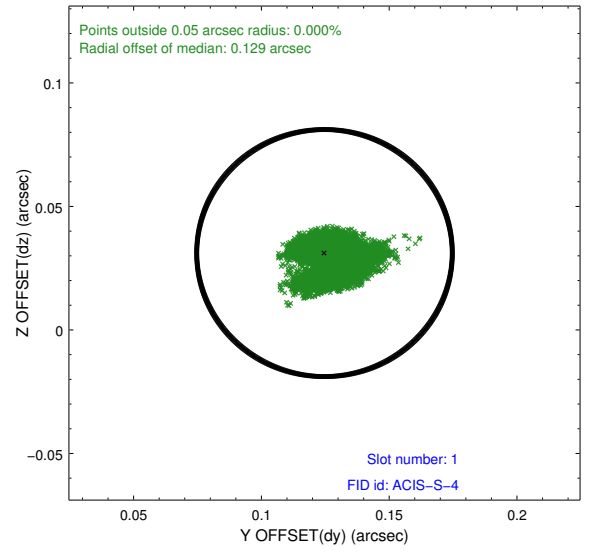
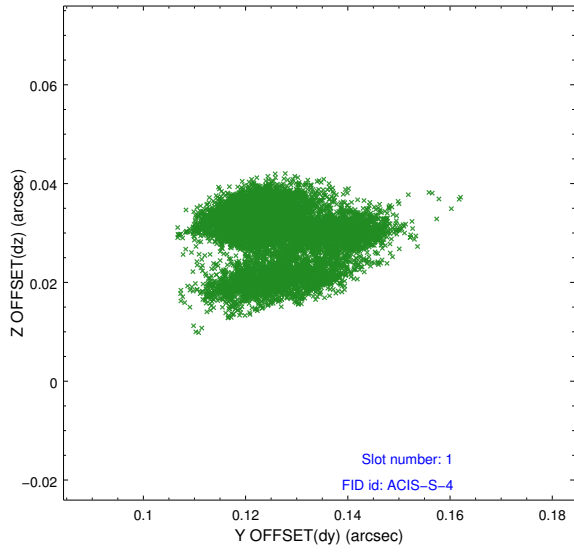


## 2.5 FID Slots

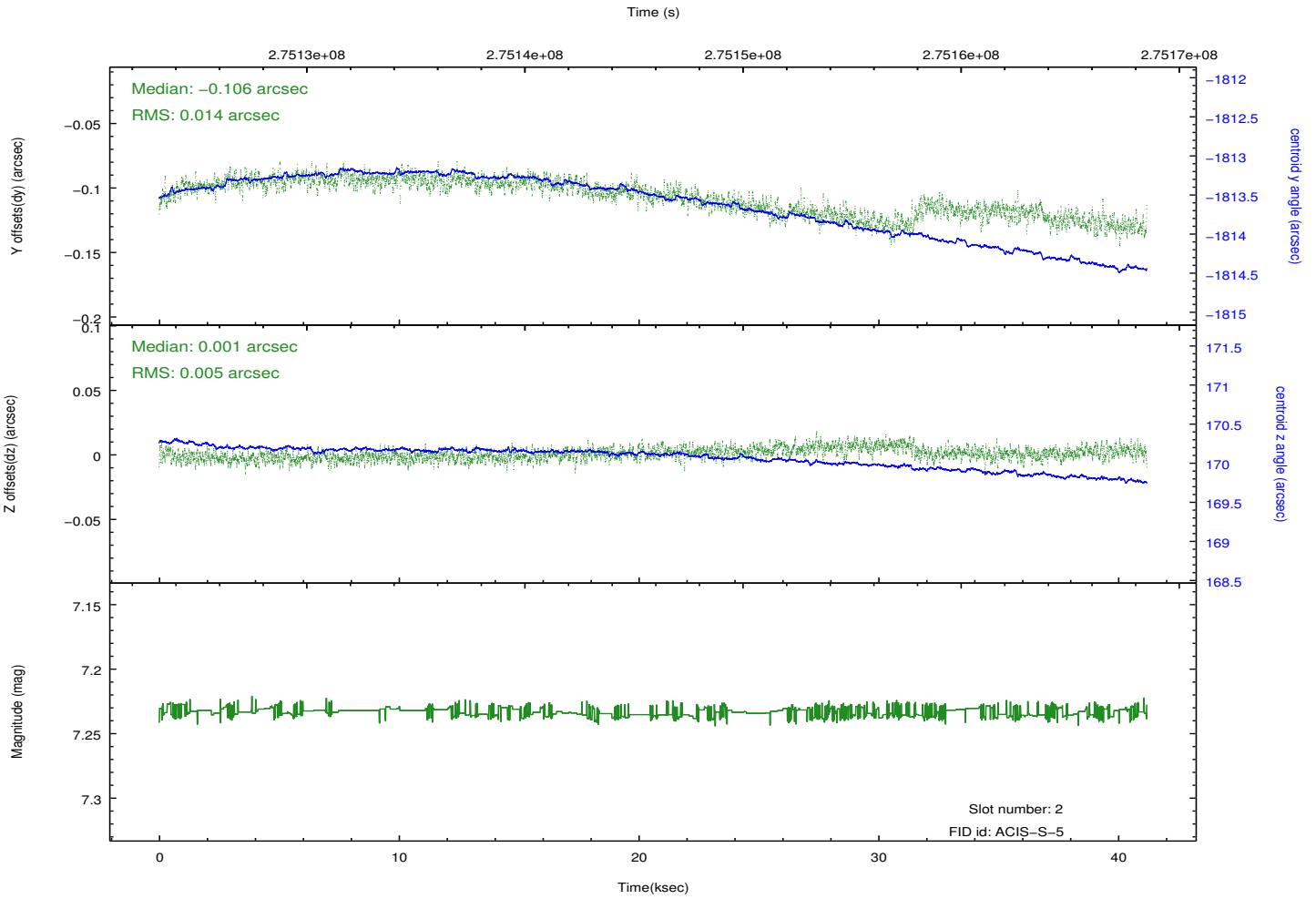
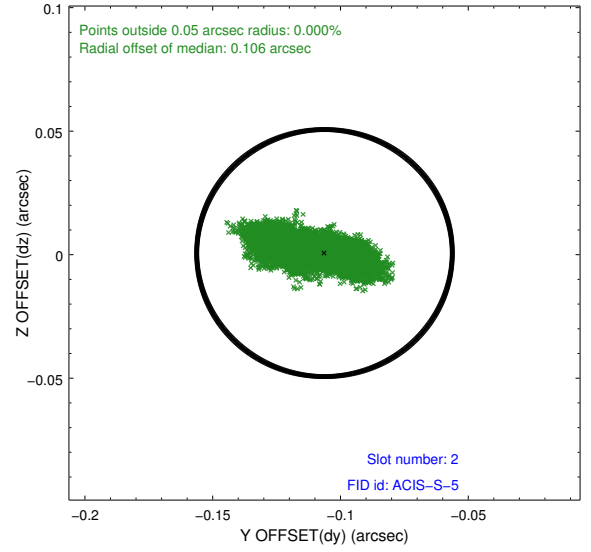
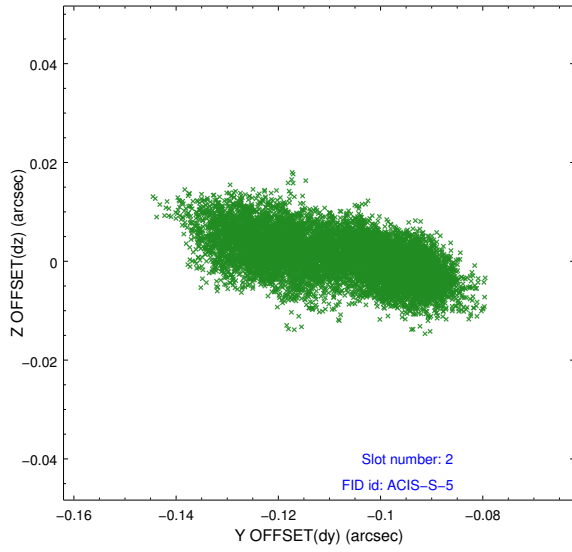
### 2.5.1 Slot 0



## 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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.184

### A.2 Comments