

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 16217 - L2 Version 1  
Chandra X-Ray Center

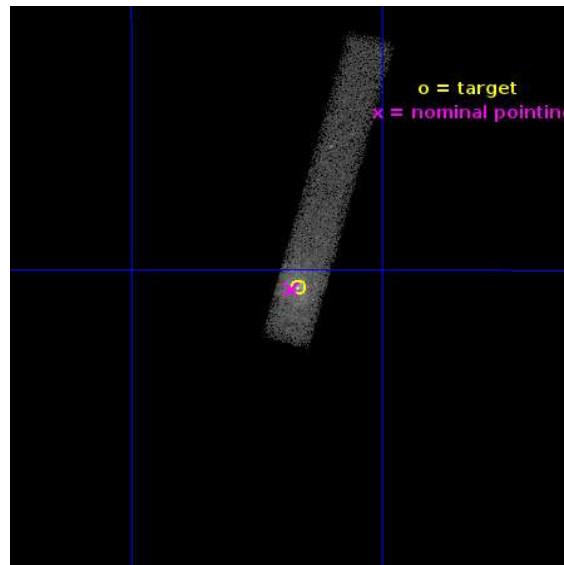
L2 Processing Date : Aug 31 2014

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# 1 Front

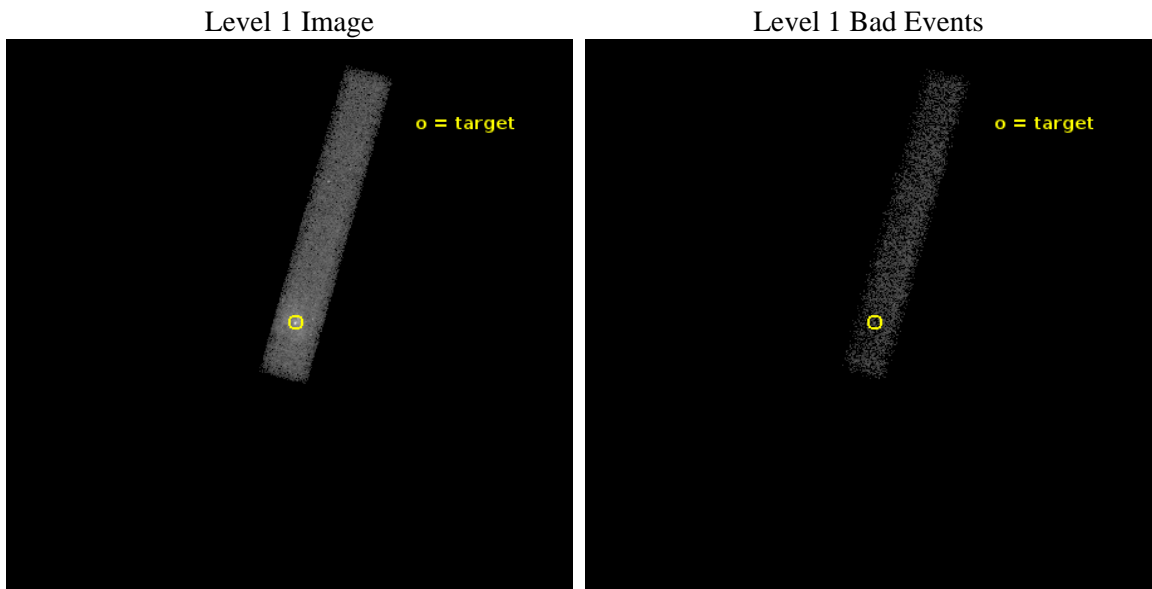
seq_num	601129	Sequence number
obs_id	16217	Observation id
title	Monitoring the Tidal Disruption of the Gas Cloud G2 As It Encounters Sgr A*	Proposal title
observer	Dr. Daryl Haggard	Principal investigator
object	Sgr A*	Source name
dtycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007806	Observer's specified target Dec [deg]
ra_nom	266.42004594336	Nominal RA [deg]
dec_nom	-29.008778383189	Nominal Dec [deg]
roll_nom	285.15827691714	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38069.085556865	Sum of GTIs [s]
livetime	34526.65114898	Livetime [s]
ontime7	38069.085556865	Sum of GTIs [s]
l2events	37349	Number of level 2 events



## 2 OBI

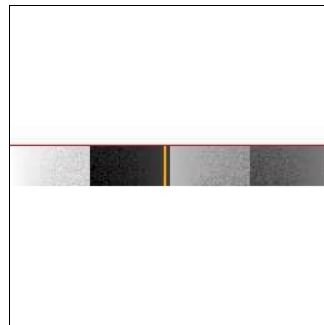
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	38069.085556865	Sum of GTIs [s]
caldbver	4.6.2	&#160	ontime7	38069.085556865	Sum of GTIs [s]
date	2014-08-31T04:04:21	Date and time of file creation	l1events	56974	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

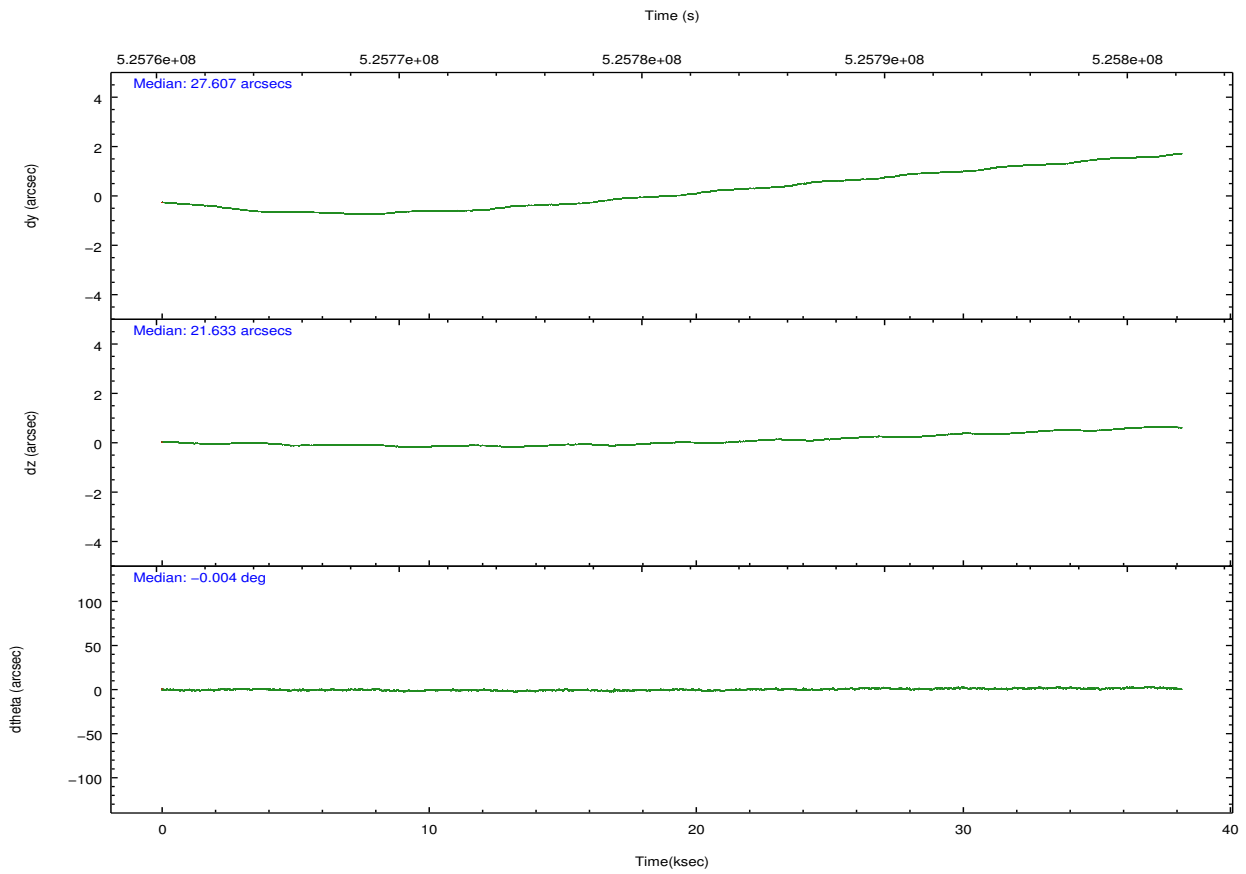
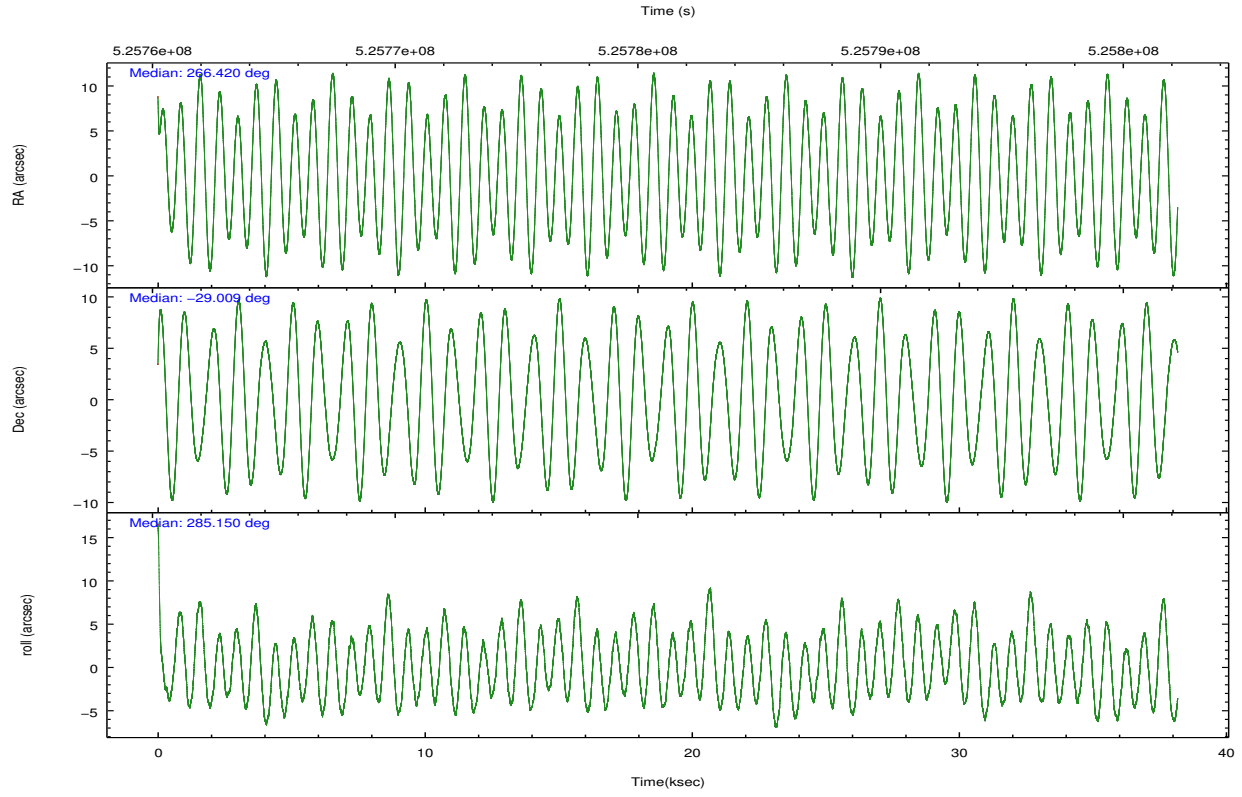
	<b>ccd 7</b>
level 1 events	56974
rejected events	18825
rejected %	<b>33%</b>

	<b>ccd 7</b>
grade 0 events	5886
	10%
grade 1 events	55
	0%
grade 2 events	8331
	14%
grade 3 events	4519
	7%
grade 4 events	4392
	7%
grade 5 events	3887
	6%
grade 6 events	15022
	26%
grade 7 events	14882
	26%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.397503	266.4200459433641	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.989694	-29.00877838318874	Subarray start row	449	449
[deg] Pointing Roll	284.990710	285.1582769171367	Subarray row count	128	128
[s] Window start time (MET)	525484867.184000	525484867.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	526089667.184000	526089667.184000	[s] Primary exposure time	0.000000	0.4
[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)	525762319.184000	525761412.10698			
Observation start date	2014-08-30T05:04:12	2014-08-30T04:50:12			
[s] Observation end time (MET)	525800319.184000	525800744.94666			
Observation end date	2014-08-30T15:37:32	2014-08-30T15:45:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect

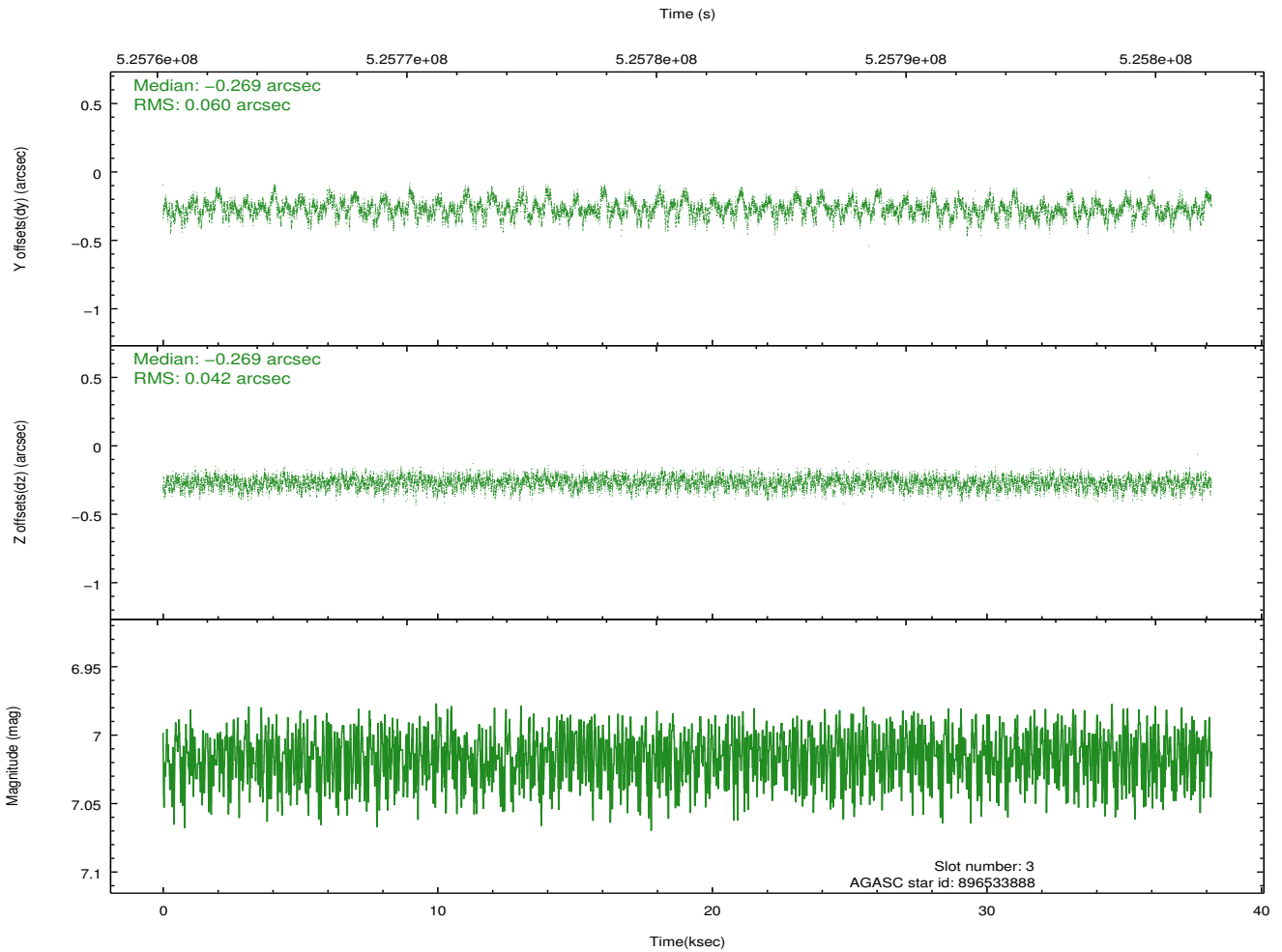
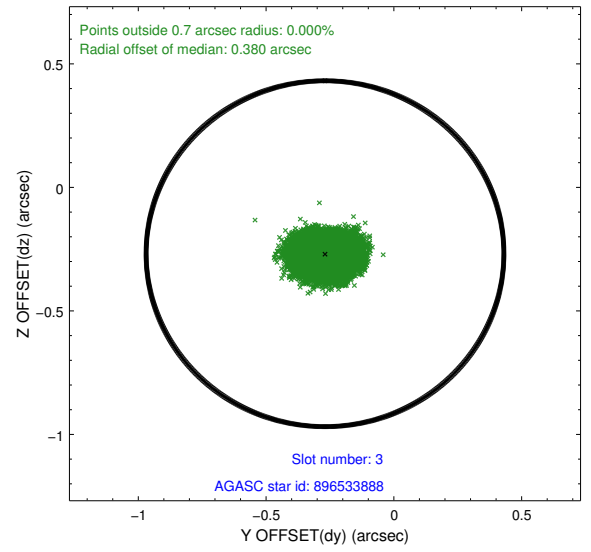
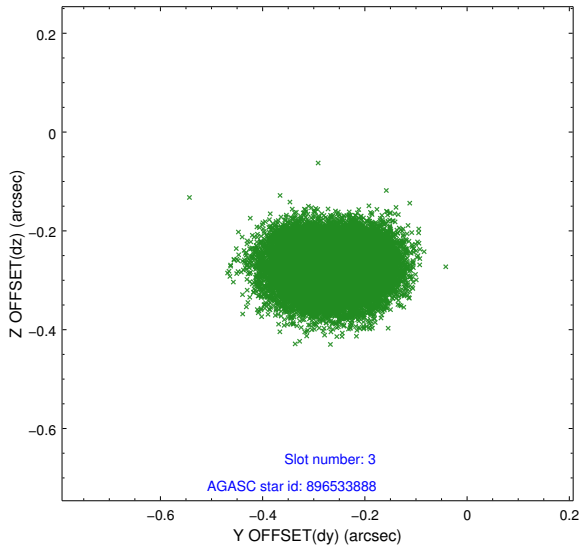


### Slot Statistics

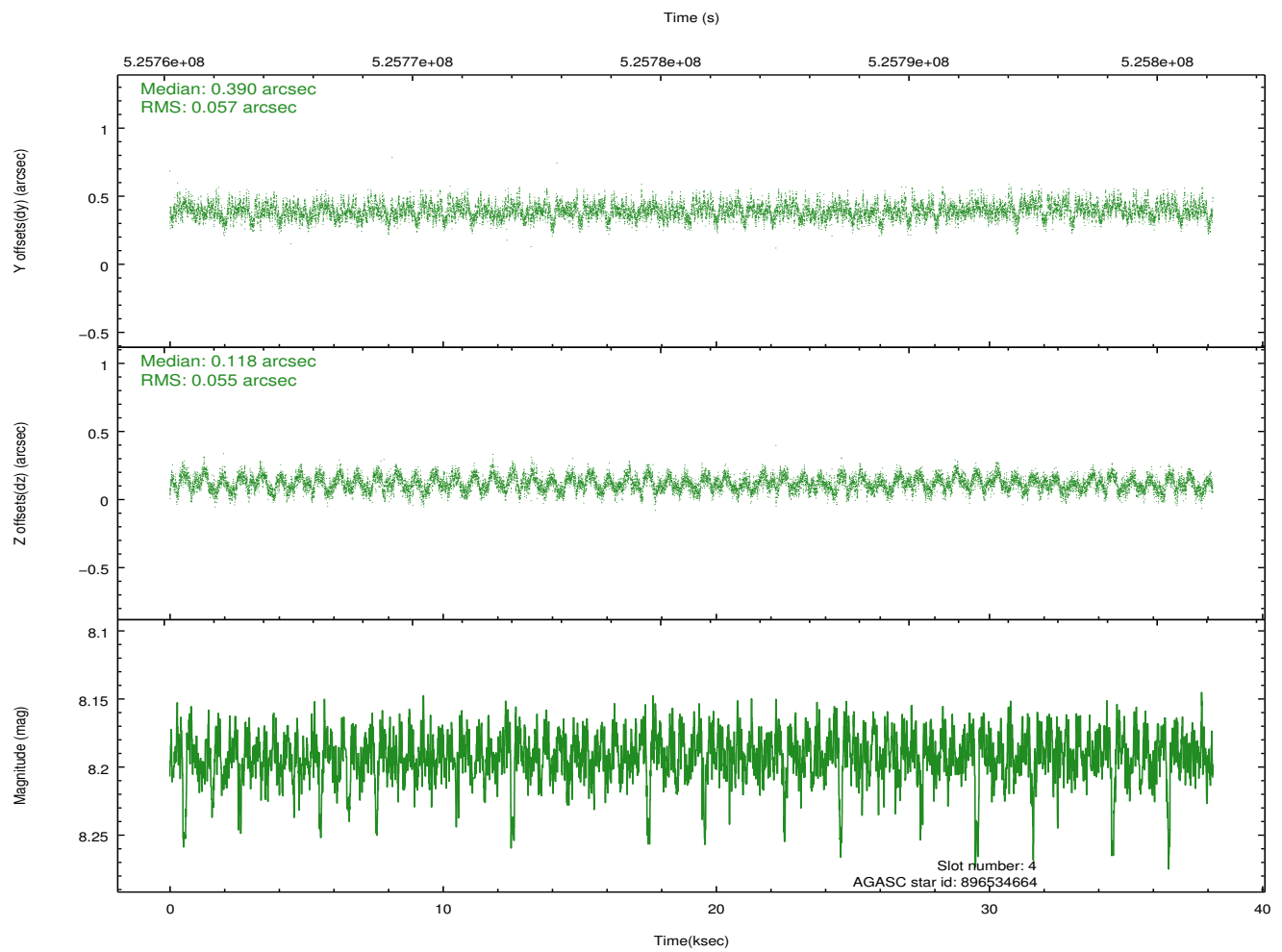
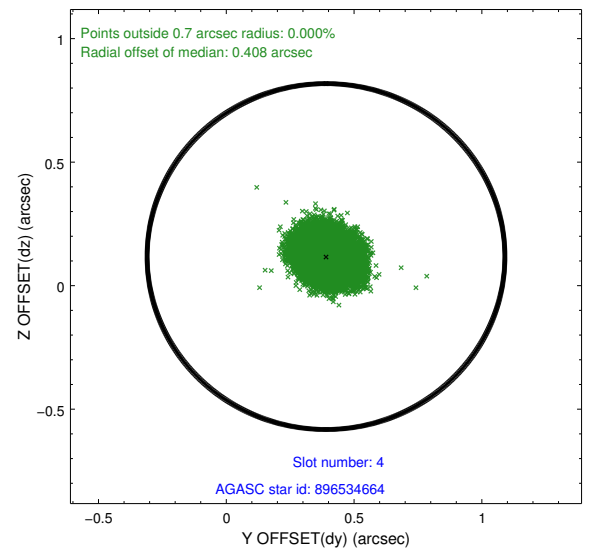
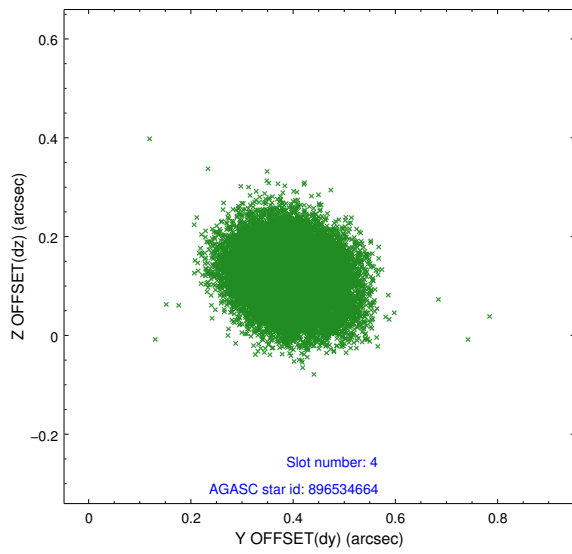
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	9313	-0.179	-0.040	0.018	0.038	0.000000	0.000000	-781.31	-1743.34
1	FID	ACIS-S-4	7.07	9314	0.399	0.097	0.028	0.038	0.000000	0.000000	2132.53	165.26
2	FID	ACIS-S-5	7.10	9311	-0.249	-0.049	0.016	0.026	0.000000	0.000000	-1834.19	158.81
3	GUIDE	896533888	7.02	18625	-0.269	-0.269	0.078	0.127	266.666434	-29.392757	1621.00	439.19
4	GUIDE	896534664	8.19	18621	0.390	0.118	0.085	0.135	266.405570	-28.407461	-2017.14	566.67
5	GUIDE	896541360	7.71	18625	-0.309	-0.244	0.075	0.122	266.684478	-29.453744	1847.56	436.61
6	GUIDE	896541576	8.19	18623	-0.292	0.012	0.091	0.138	267.051055	-28.762912	-249.61	2201.97
7	GUIDE	896403520	9.04	18612	0.476	0.391	0.146	0.239	265.626481	-28.748780	-1458.31	-2128.21

## 2.4 Star Slots

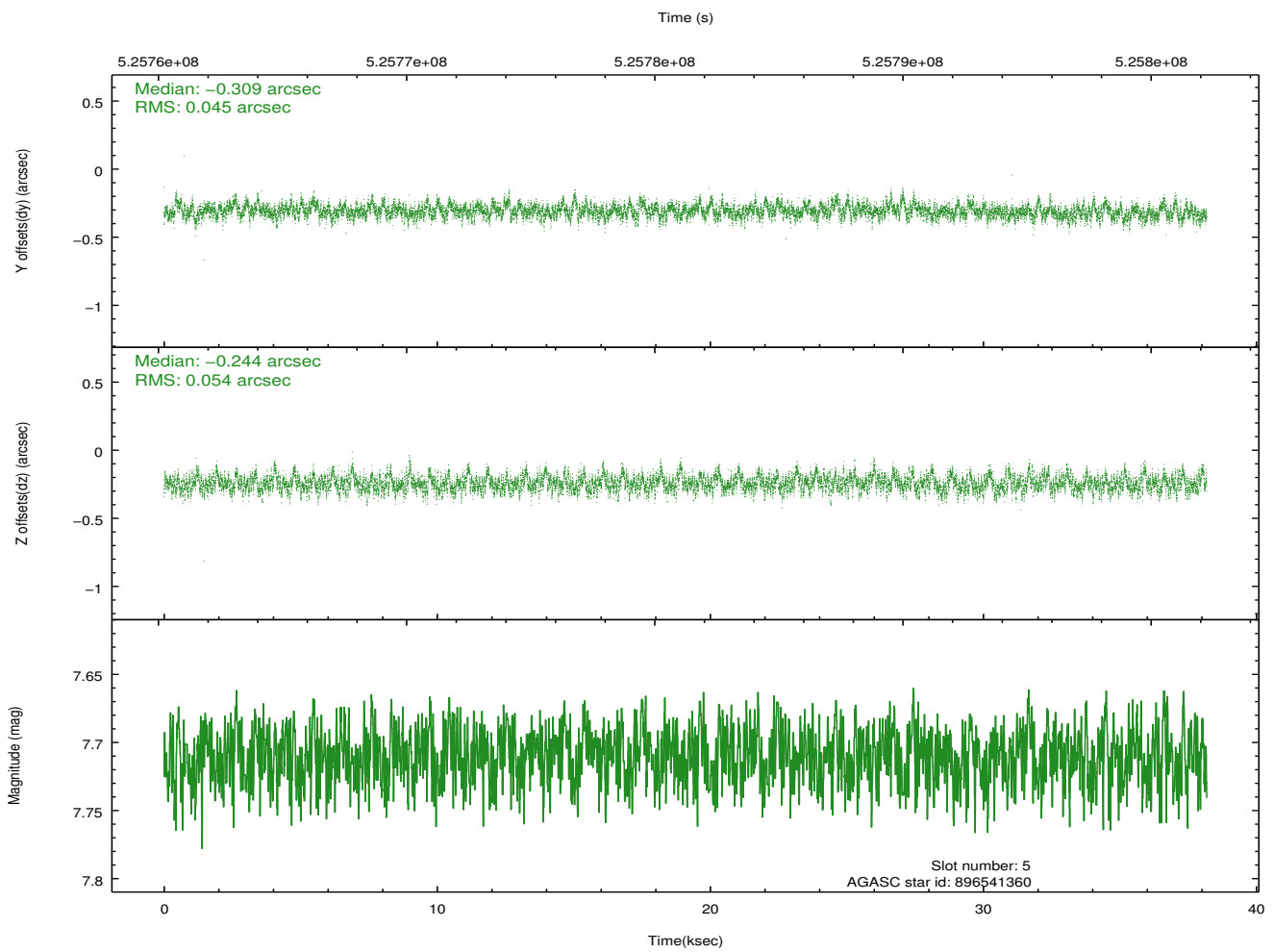
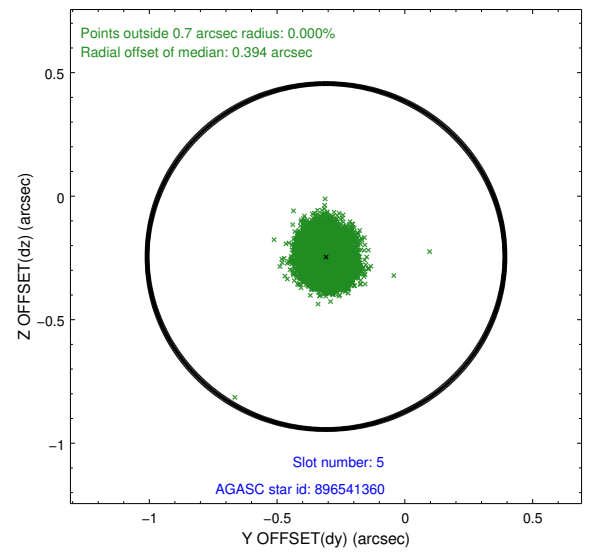
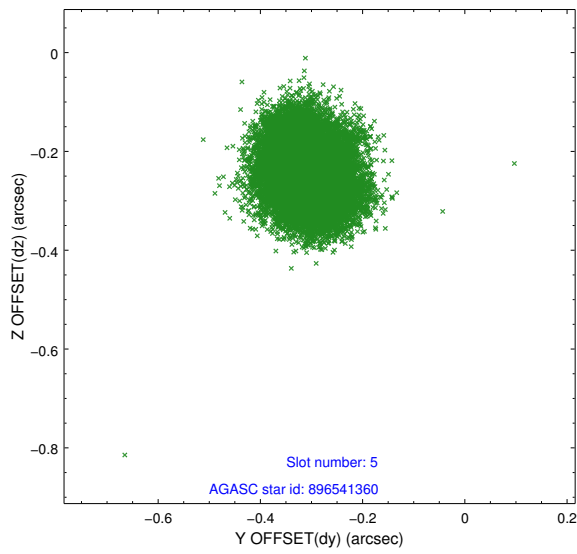
### 2.4.1 Slot 3



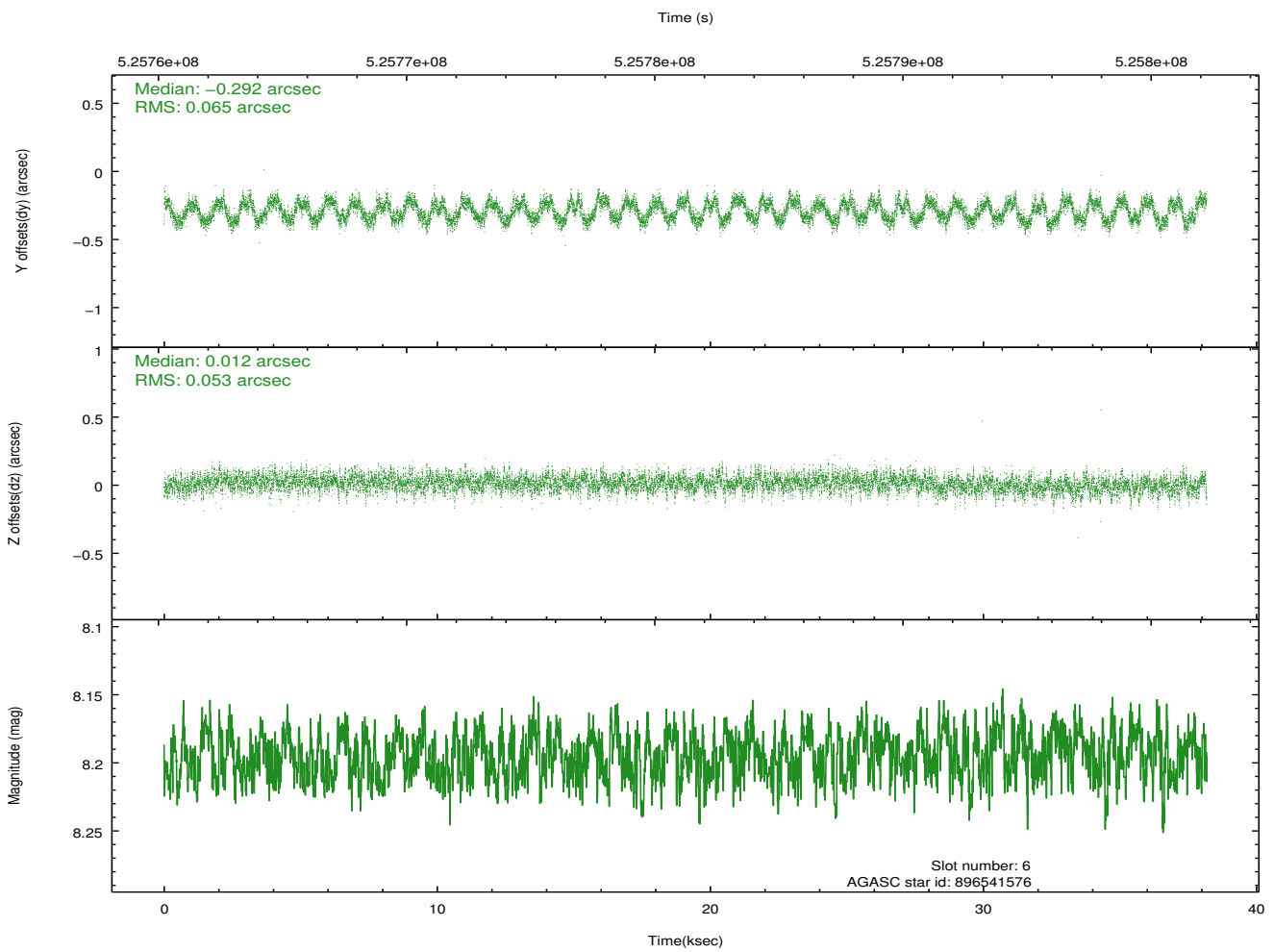
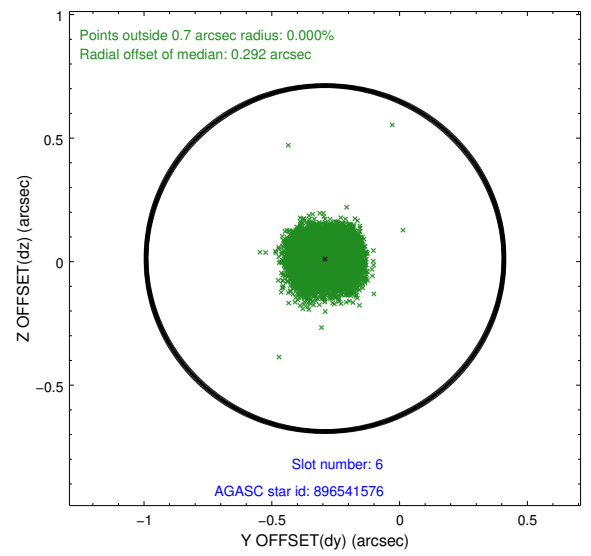
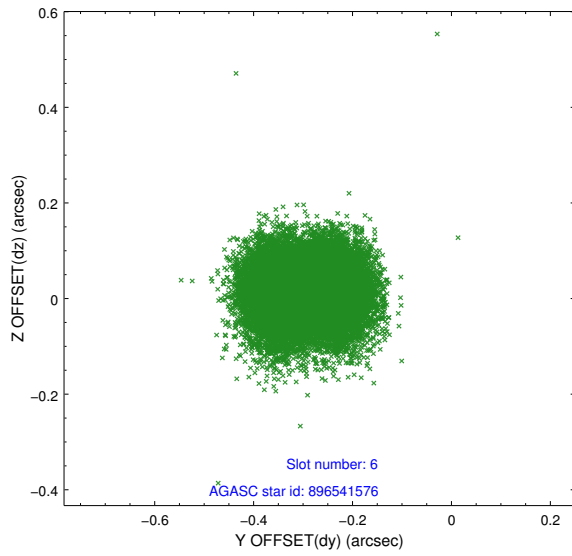
## 2.4.2 Slot 4



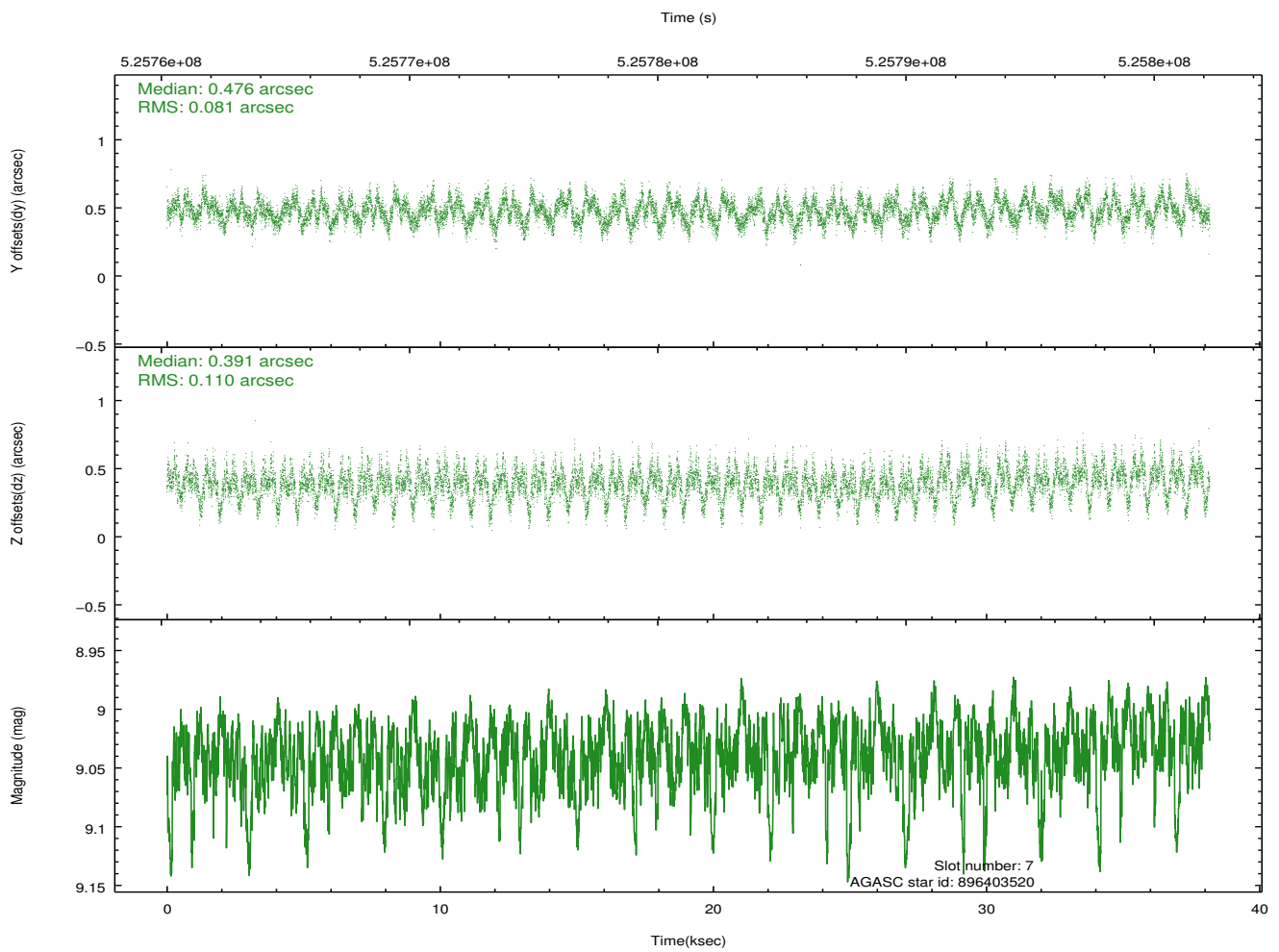
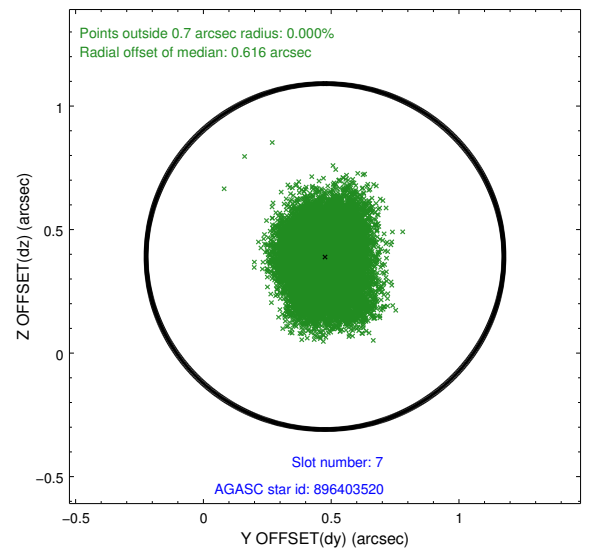
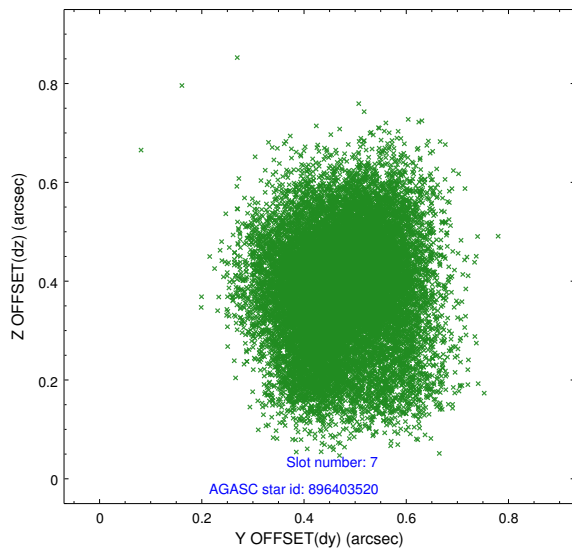
### 2.4.3 Slot 5



## 2.4.4 Slot 6

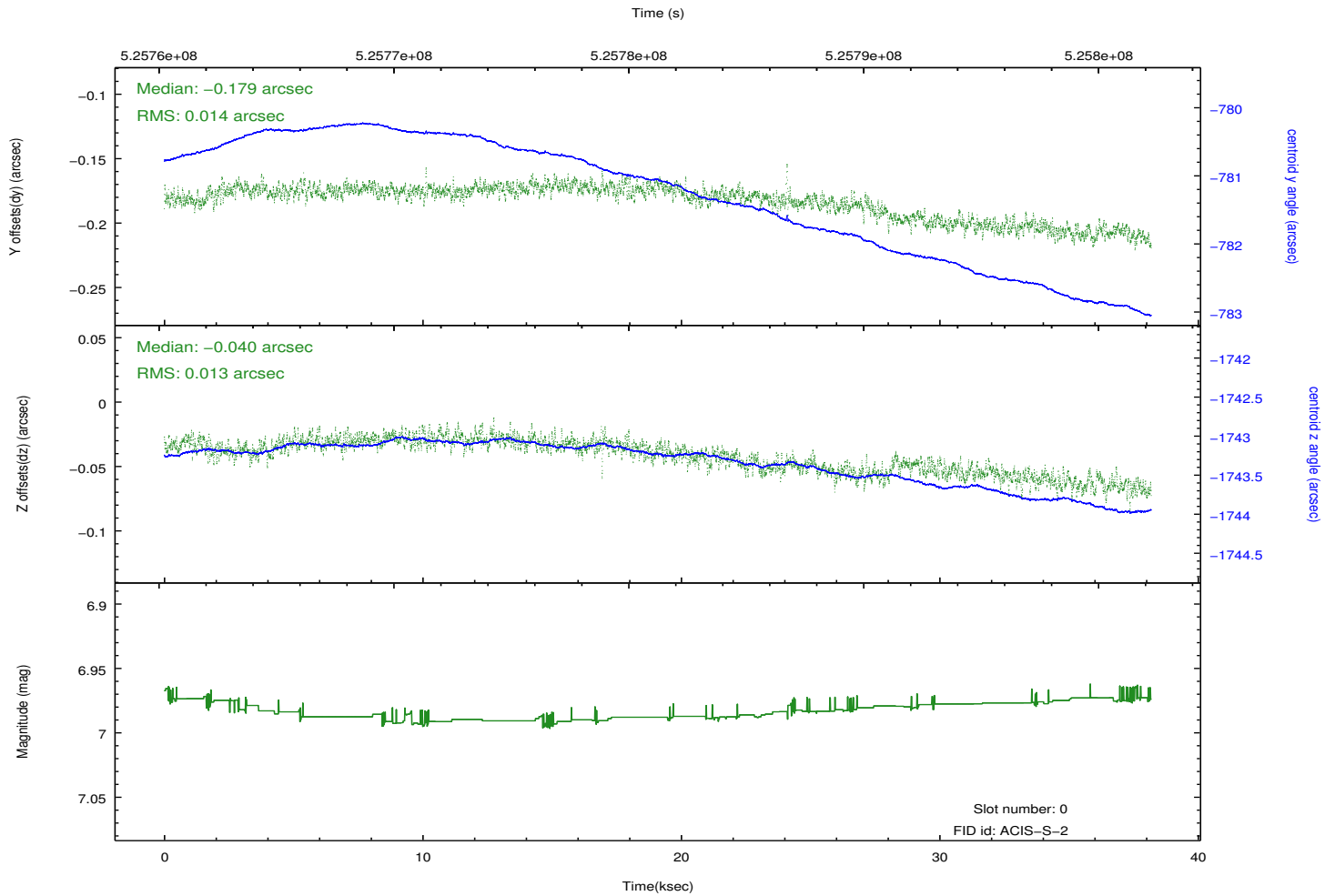
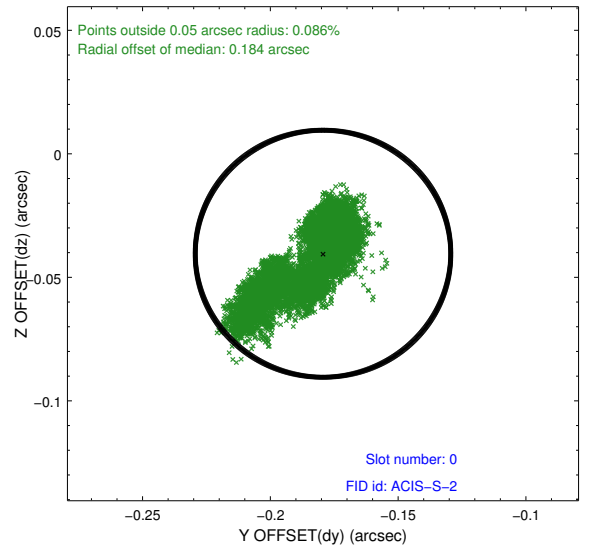
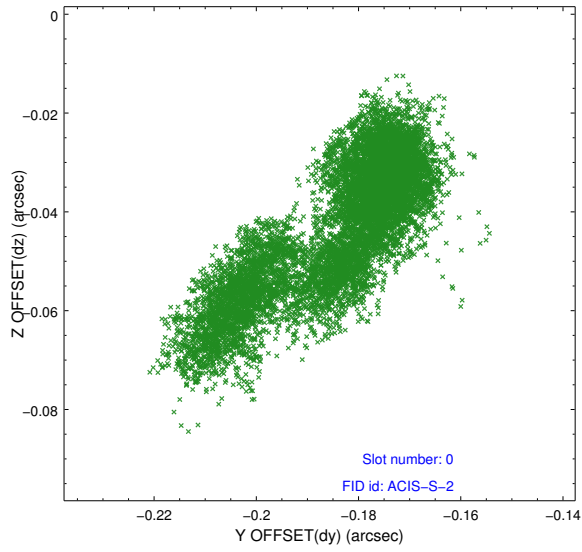


### 2.4.5 Slot 7

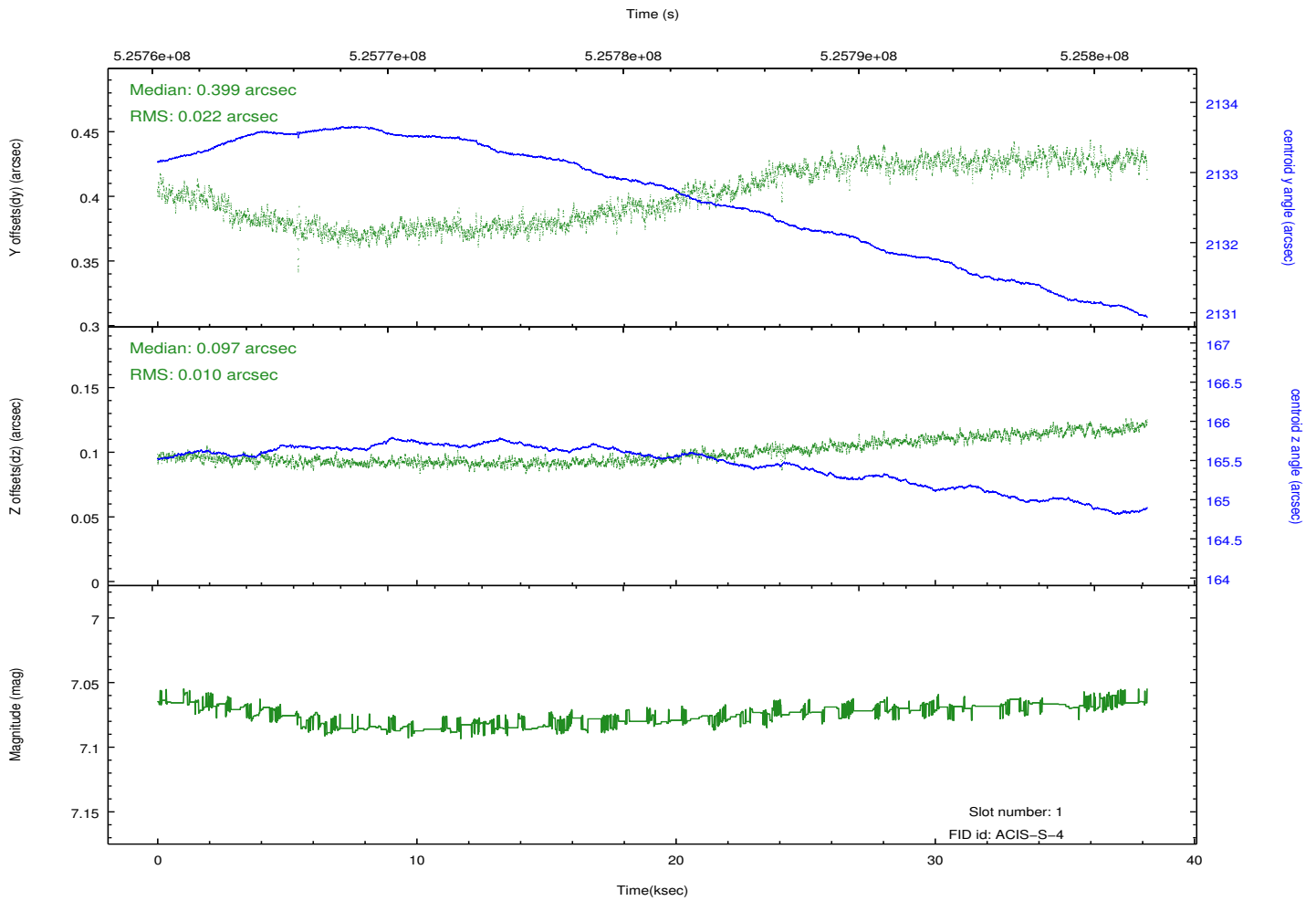
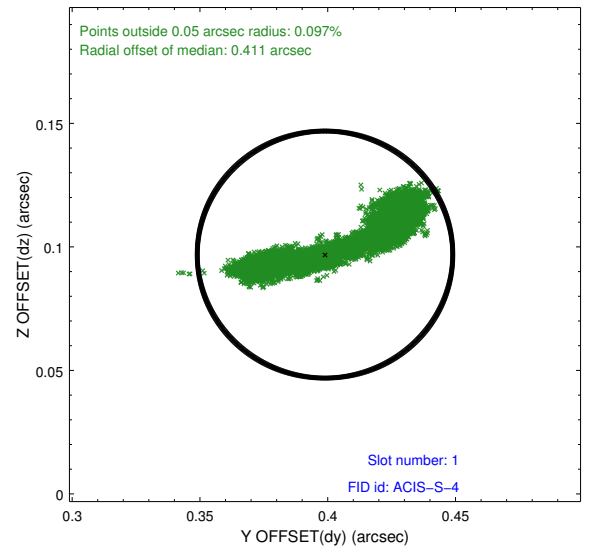
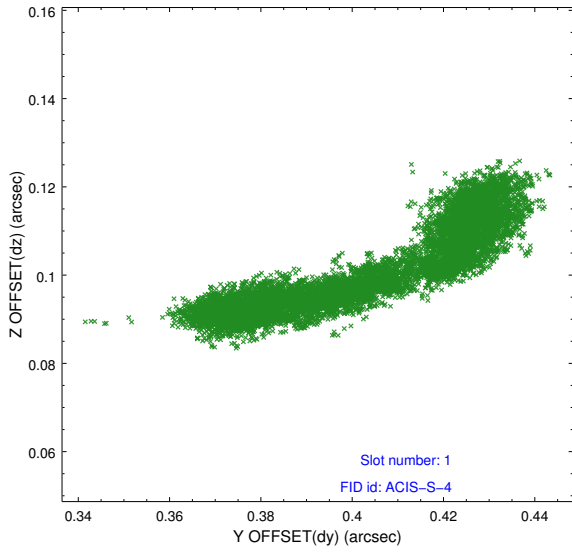


## 2.5 FID Slots

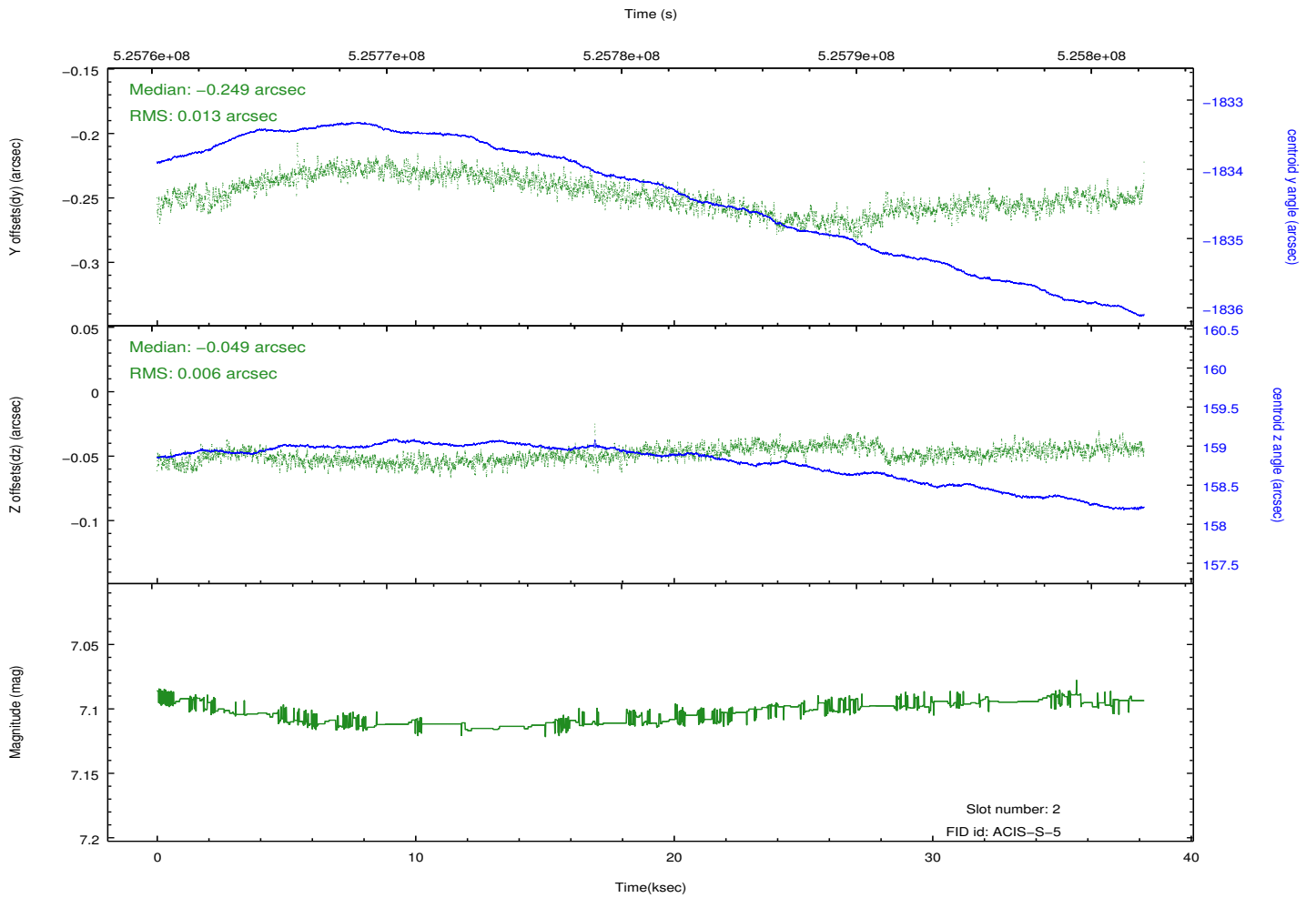
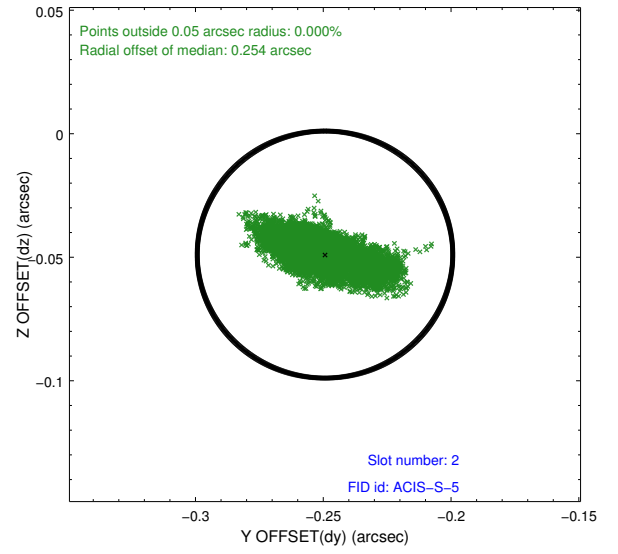
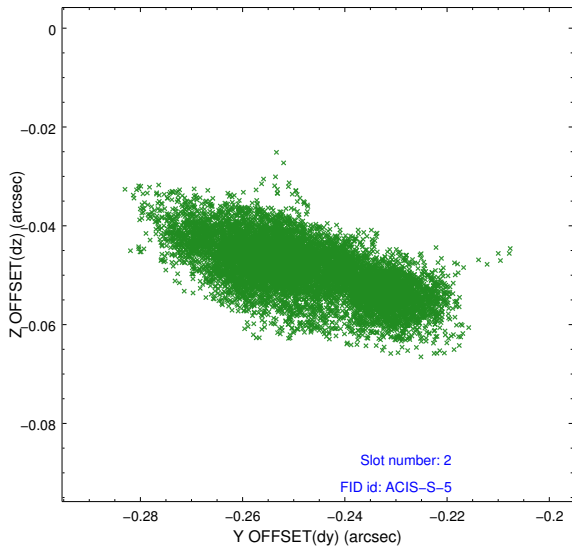
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.09.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.069085556865

## A.2 Comments

The slot 1 radial offset of 0.411 arcsec is acceptable.