

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11055 - L2 Version 2  
Chandra X-Ray Center

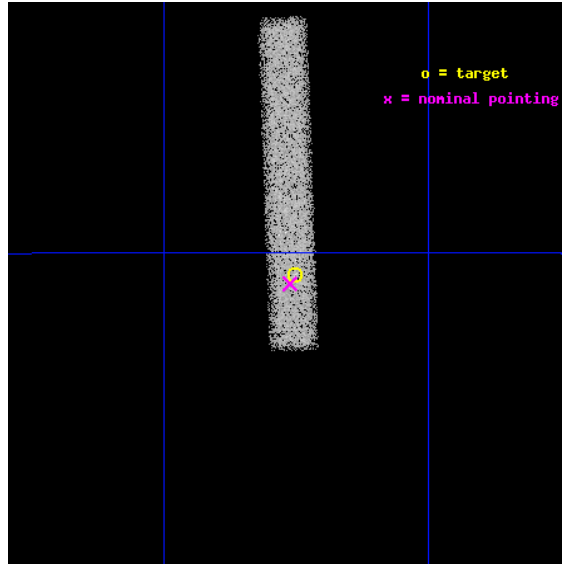
L2 Processing Date : Jun 30 2012

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# 1 Front

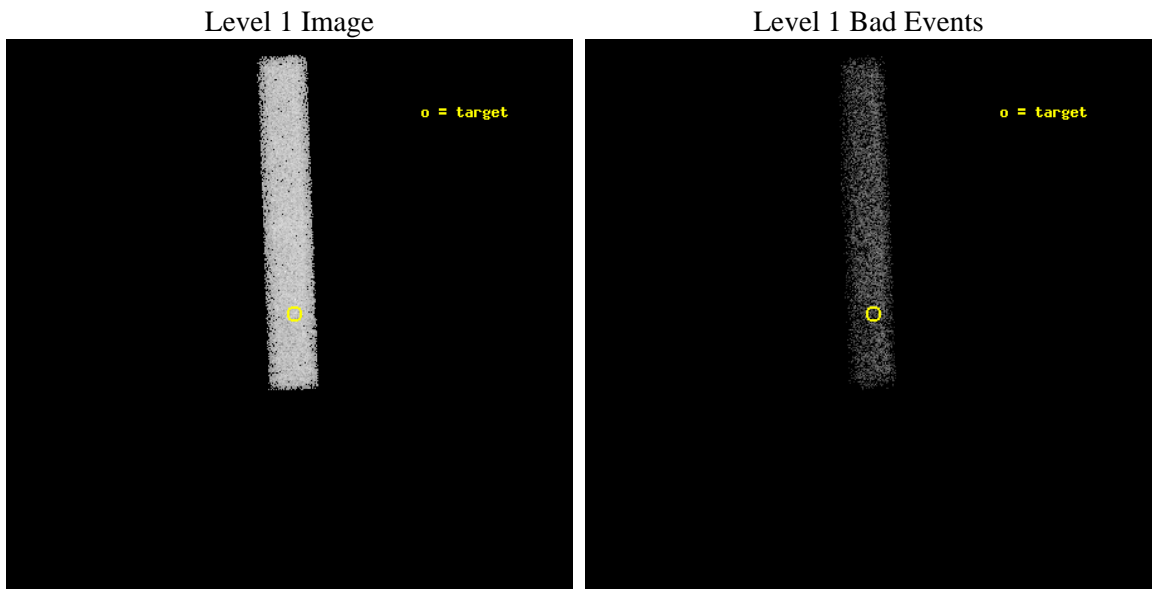
seq_num	401090	Sequence number
obs_id	11055	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr Peter Jonker	Principal investigator
object	TOO_XTEJ1752-223	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.062917	Observer's specified target RA [deg]
dec_targ	-22.342333	Observer's specified target Dec [deg]
ra_nom	268.06549862293	Nominal RA [deg]
dec_nom	-22.346544594341	Nominal Dec [deg]
roll_nom	267.87383453496	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34608.797937155	Sum of GTIs [s]
livetime	31388.352926859	Livetime [s]
ontime7	34608.797937155	Sum of GTIs [s]
l2events	21538	Number of level 2 events



## 2 OBI

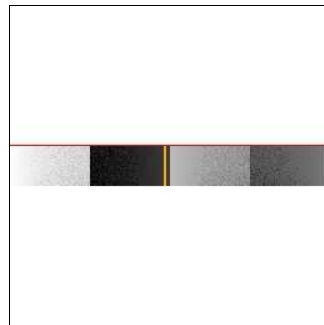
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	34608.797937155	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime7	34608.797937155	Sum of GTIs [s]
date	2012-06-30T15:45:34	Date and time of file creation	l1events	44065	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

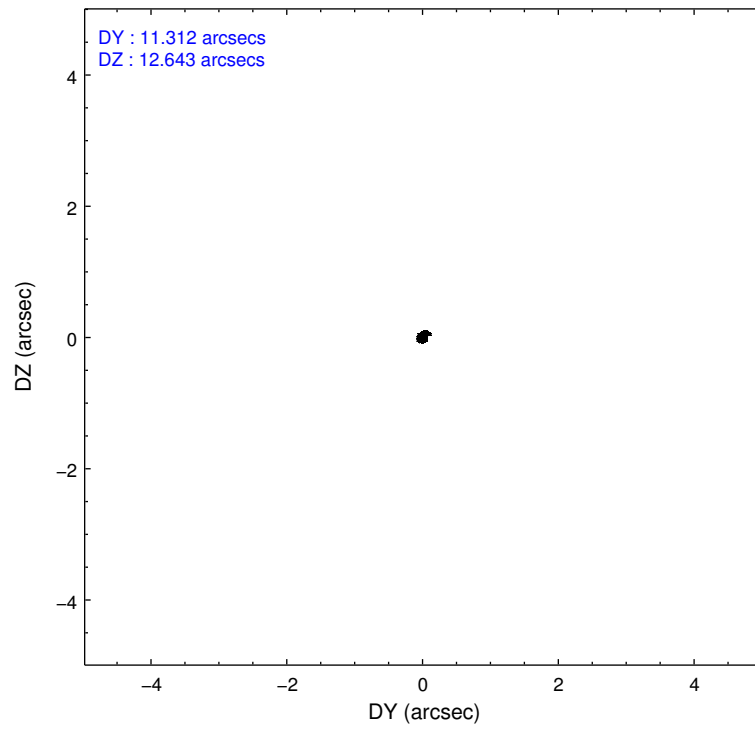
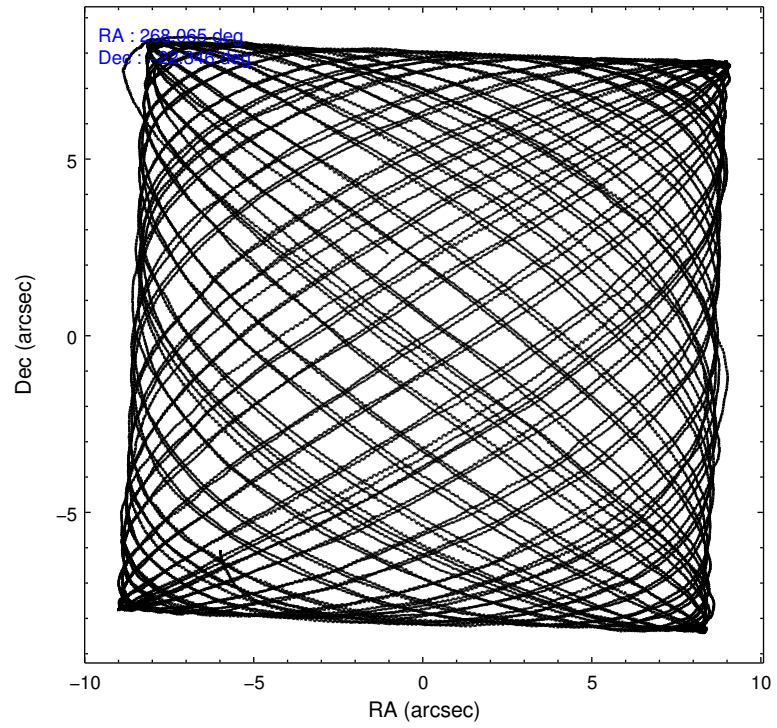
	<b>ccd 7</b>
level 1 events	44065
rejected events	21539
rejected %	48%

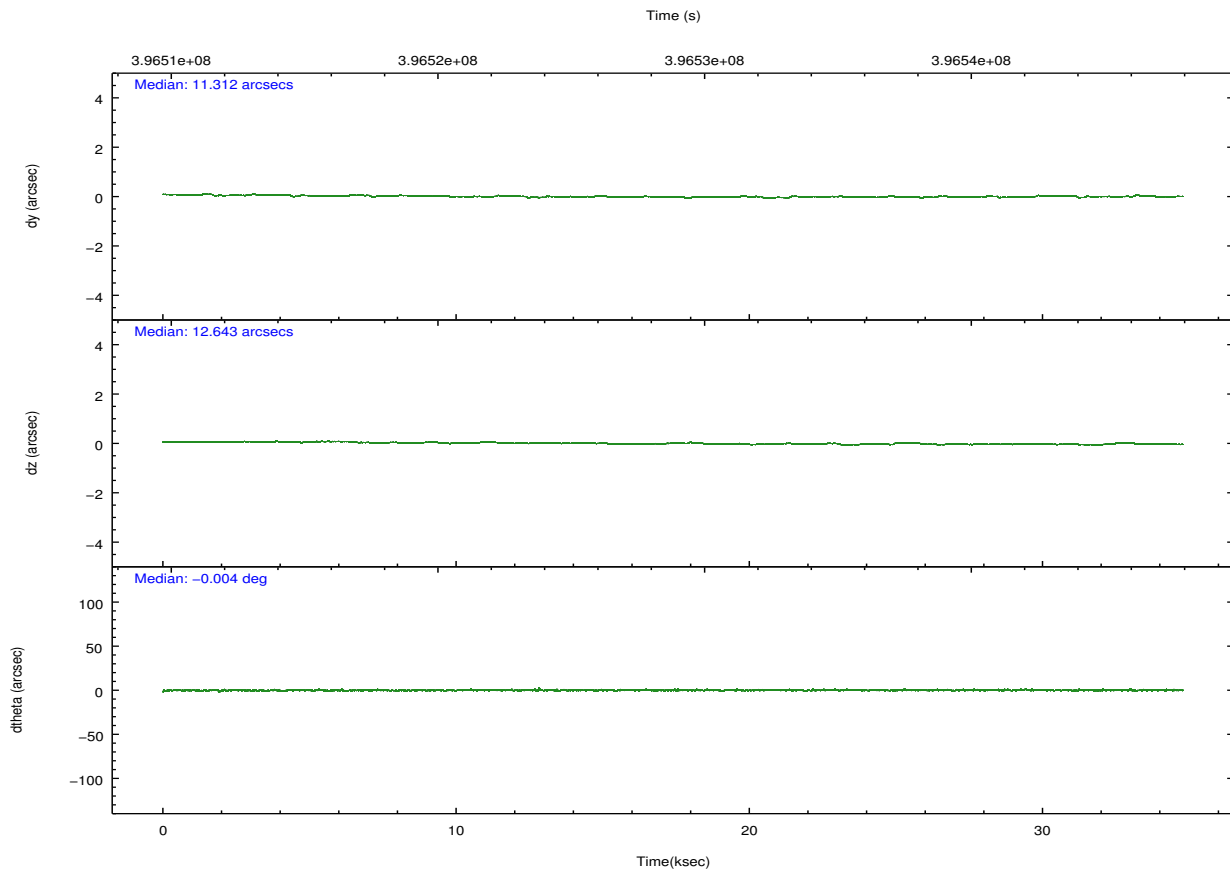
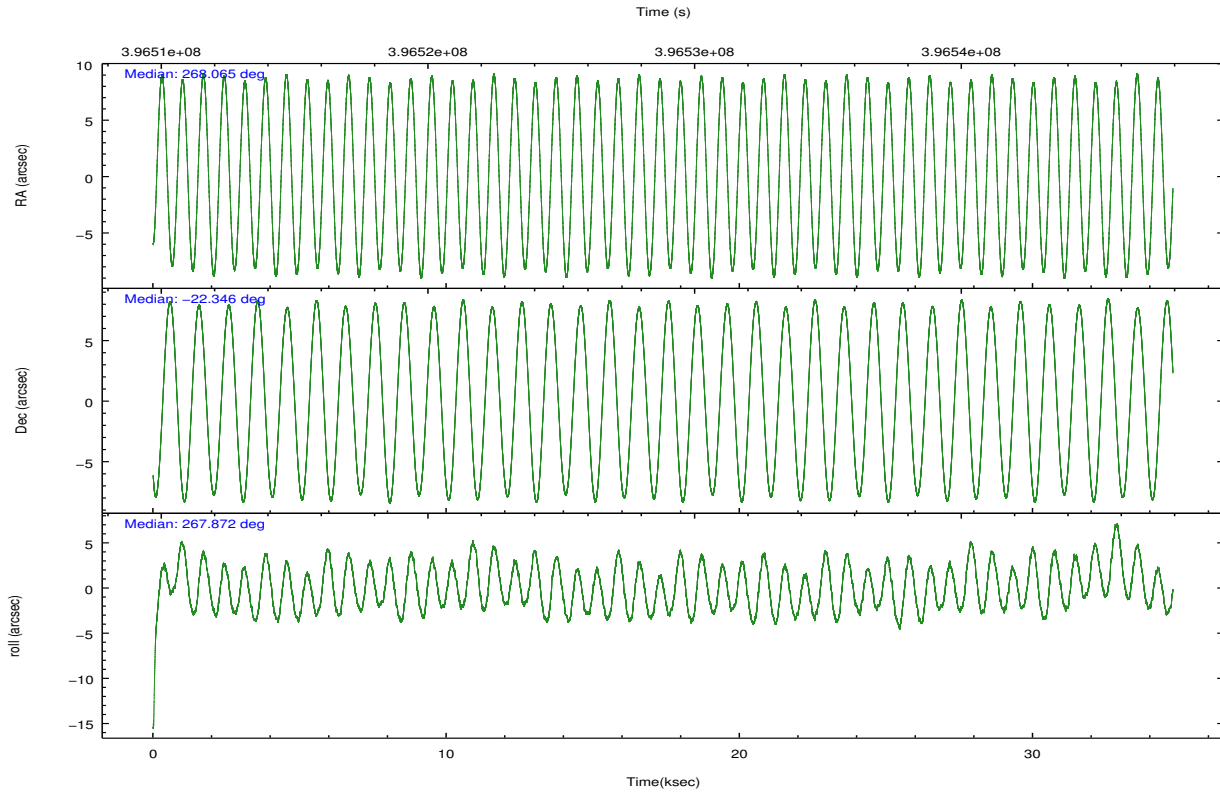
	<b>ccd 7</b>
grade 0 events	2510
	5%
grade 1 events	57
	0%
grade 2 events	4364
	9%
grade 3 events	3034
	6%
grade 4 events	2925
	6%
grade 5 events	4433
	10%
grade 6 events	9694
	21%
grade 7 events	17048
	38%

## 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	268.051323	268.0654986229268	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-22.322558	-22.34654459434125	Subarray start row	449	449
[deg] Pointing Roll	267.711818	267.8738345349598	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	396511614.184000	396510938.88003			
Observation start date	2010-07-26T06:05:48	2010-07-26T05:55:38			
[s] Observation end time (MET)	396546214.184000	396547131.11939			
Observation end date	2010-07-26T15:42:28	2010-07-26T15:58:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect



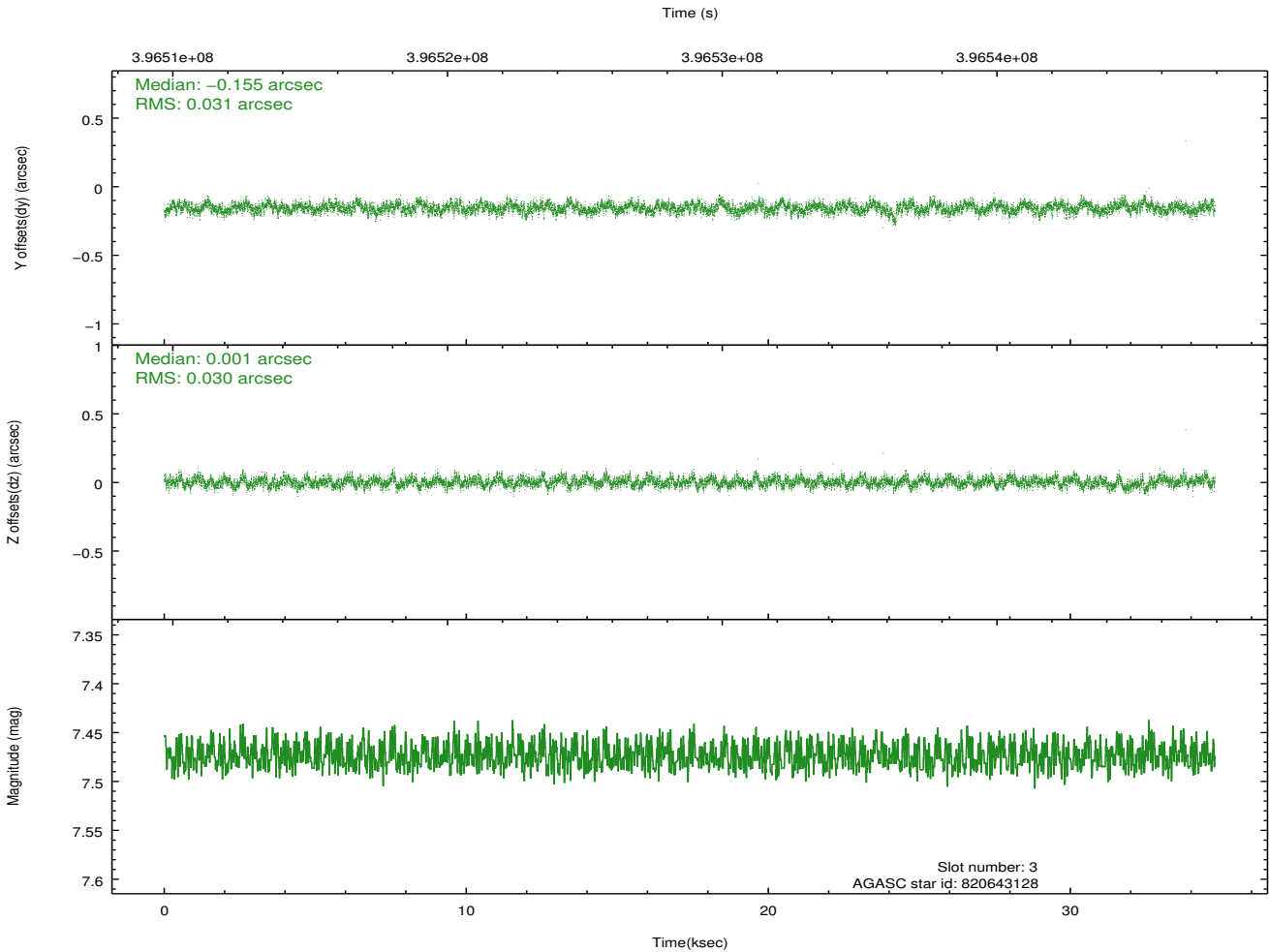
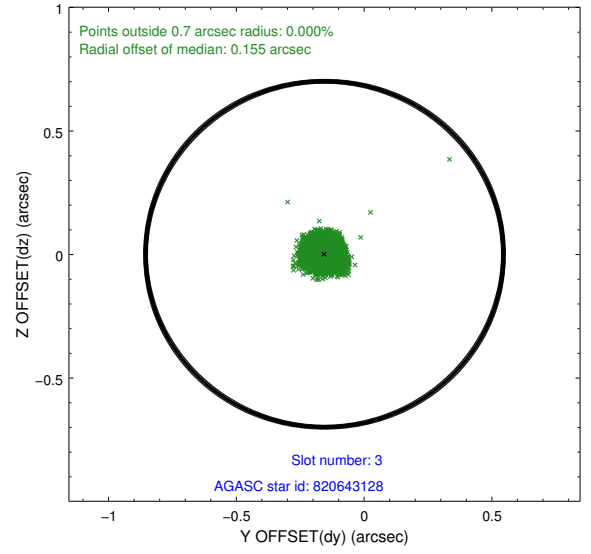
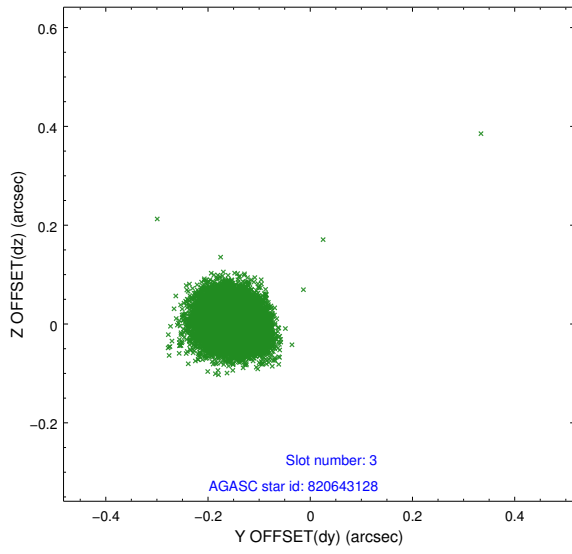


### Slot Statistics

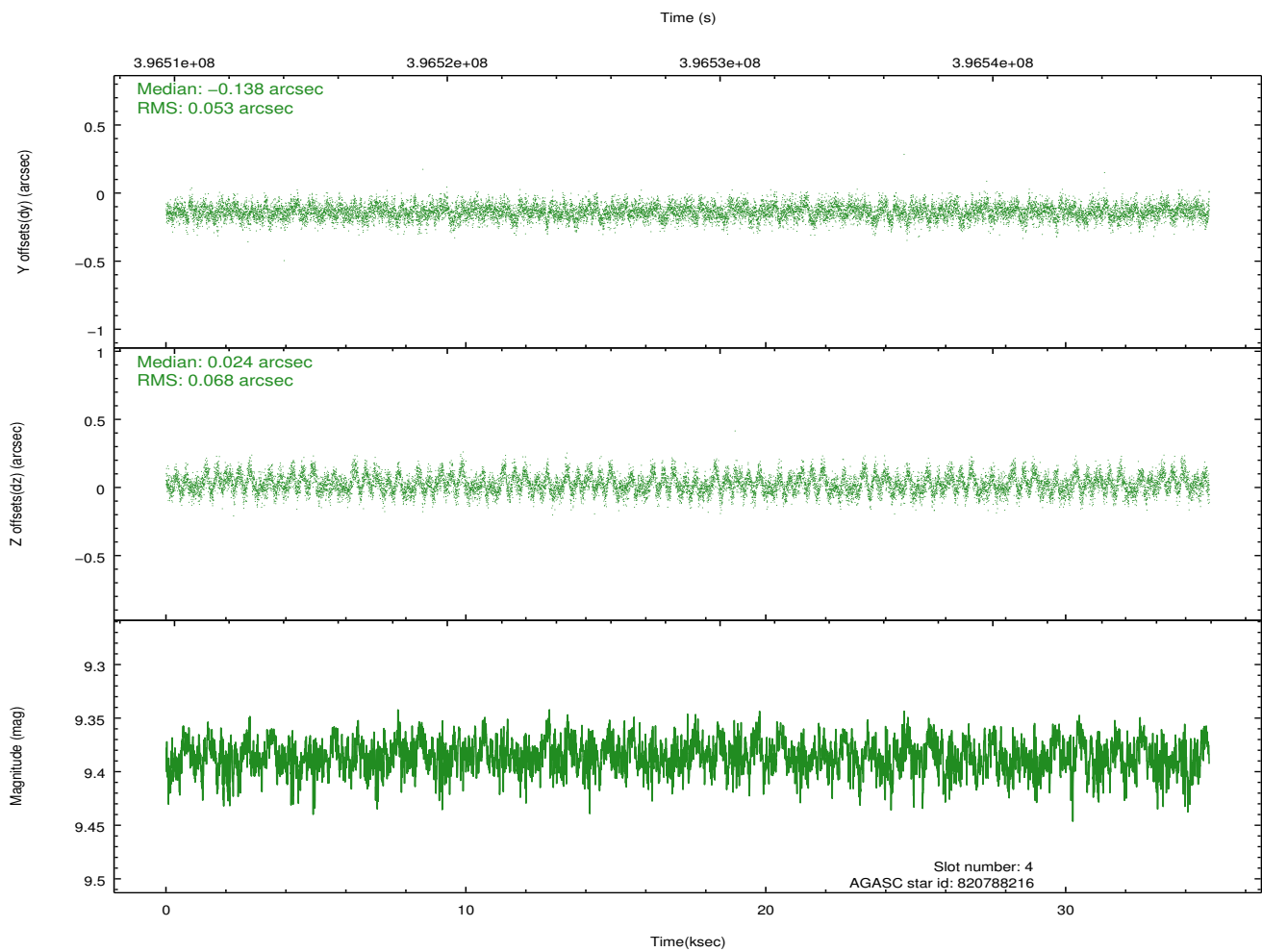
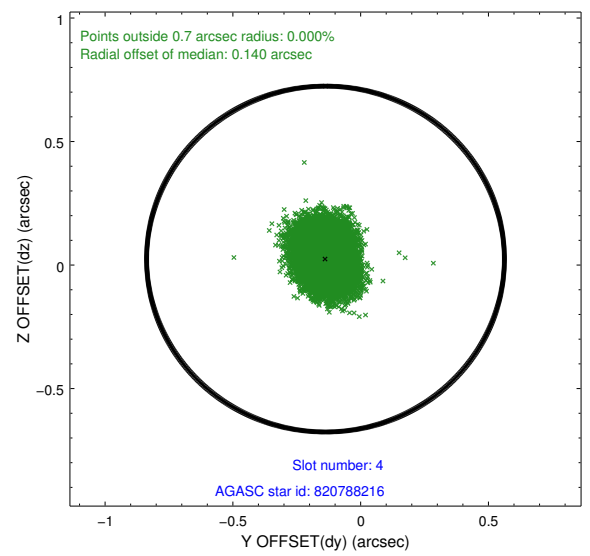
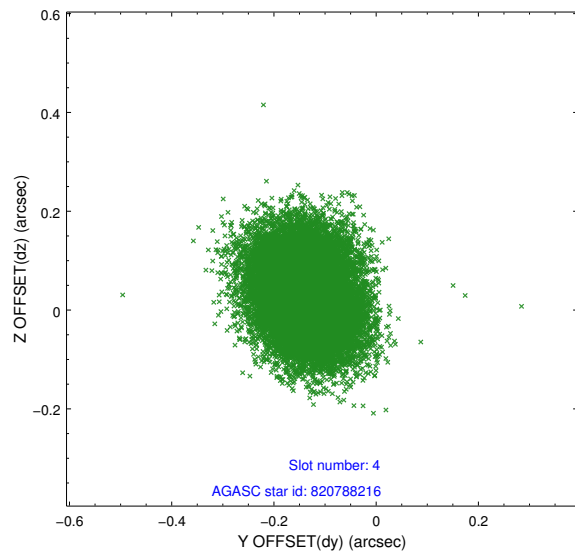
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.03	8483	0.090	-0.072	0.007	0.012	0.000000	0.000000	931.90	-1729.63
1	FID	ACIS-S-5	7.07	8482	-0.131	0.061	0.006	0.011	0.000000	0.000000	-1817.25	168.08
2	FID	ACIS-S-6	7.18	8482	0.020	0.023	0.007	0.012	0.000000	0.000000	397.40	811.99
3	GUIDE	820643128	7.47	16963	-0.155	0.001	0.046	0.074	267.699048	-21.791174	-1862.87	-1252.97
4	GUIDE	820788216	9.39	16952	-0.138	0.024	0.091	0.149	268.456139	-22.138569	-713.86	1322.46
5	GUIDE	894967360	7.25	16963	0.015	0.070	0.061	0.099	267.782247	-22.921004	2190.25	-804.64
6	GUIDE	896671704	7.88	16884	-0.134	-0.055	0.144	0.202	268.307622	-22.536738	737.51	882.35
7	GUIDE	896672784	9.23	16834	0.397	-0.044	0.177	0.271	268.139856	-22.666371	1225.88	343.39

## 2.4 Star Slots

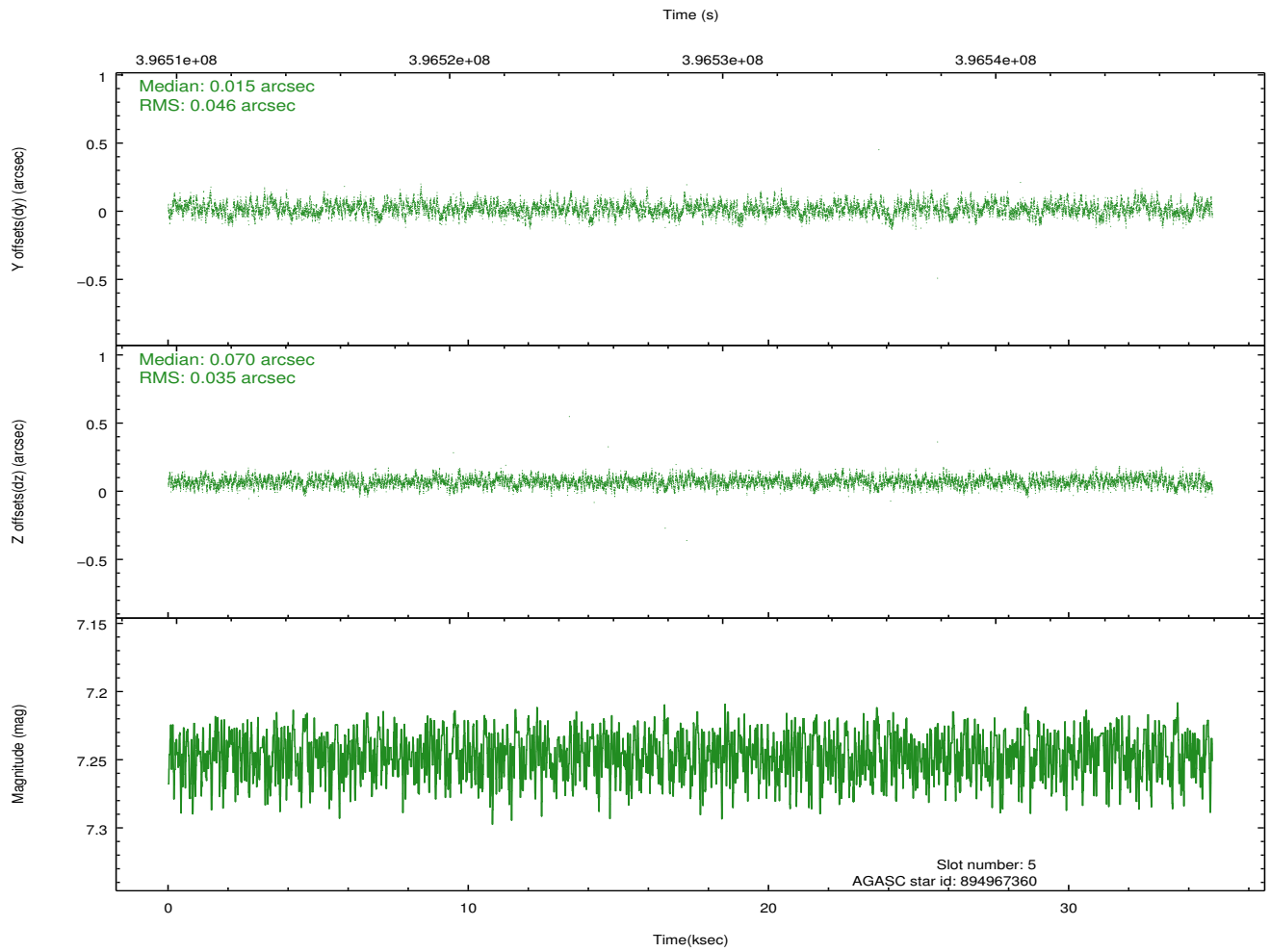
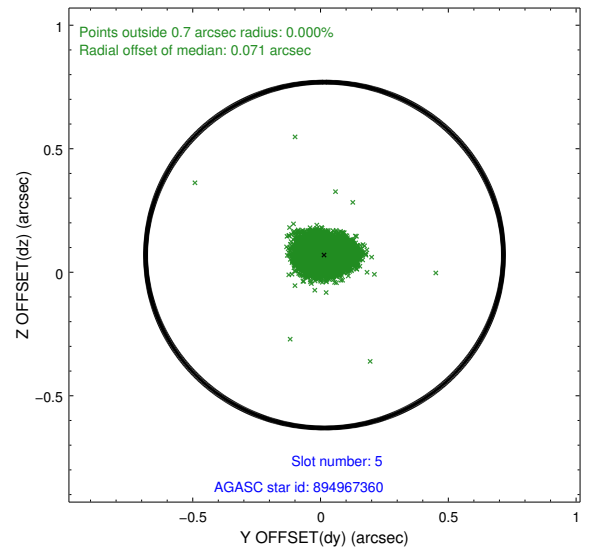
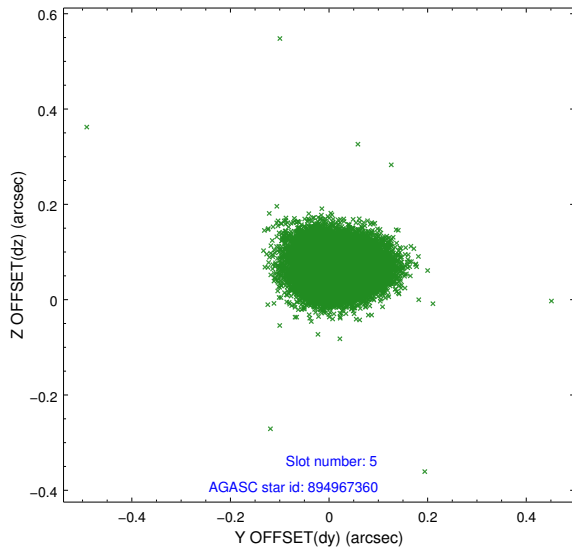
### 2.4.1 Slot 3



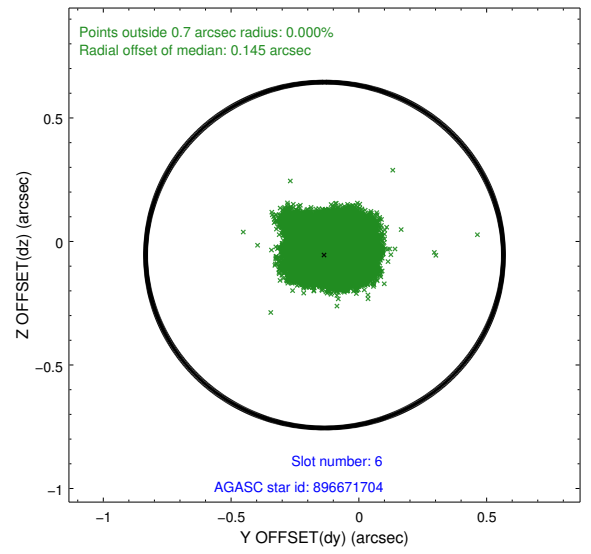
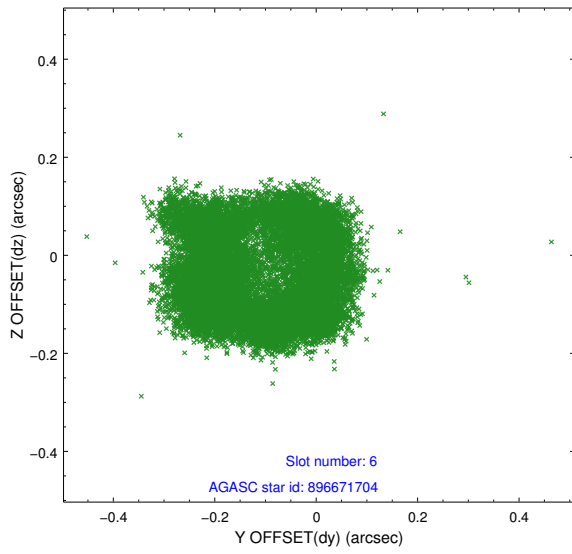
## 2.4.2 Slot 4



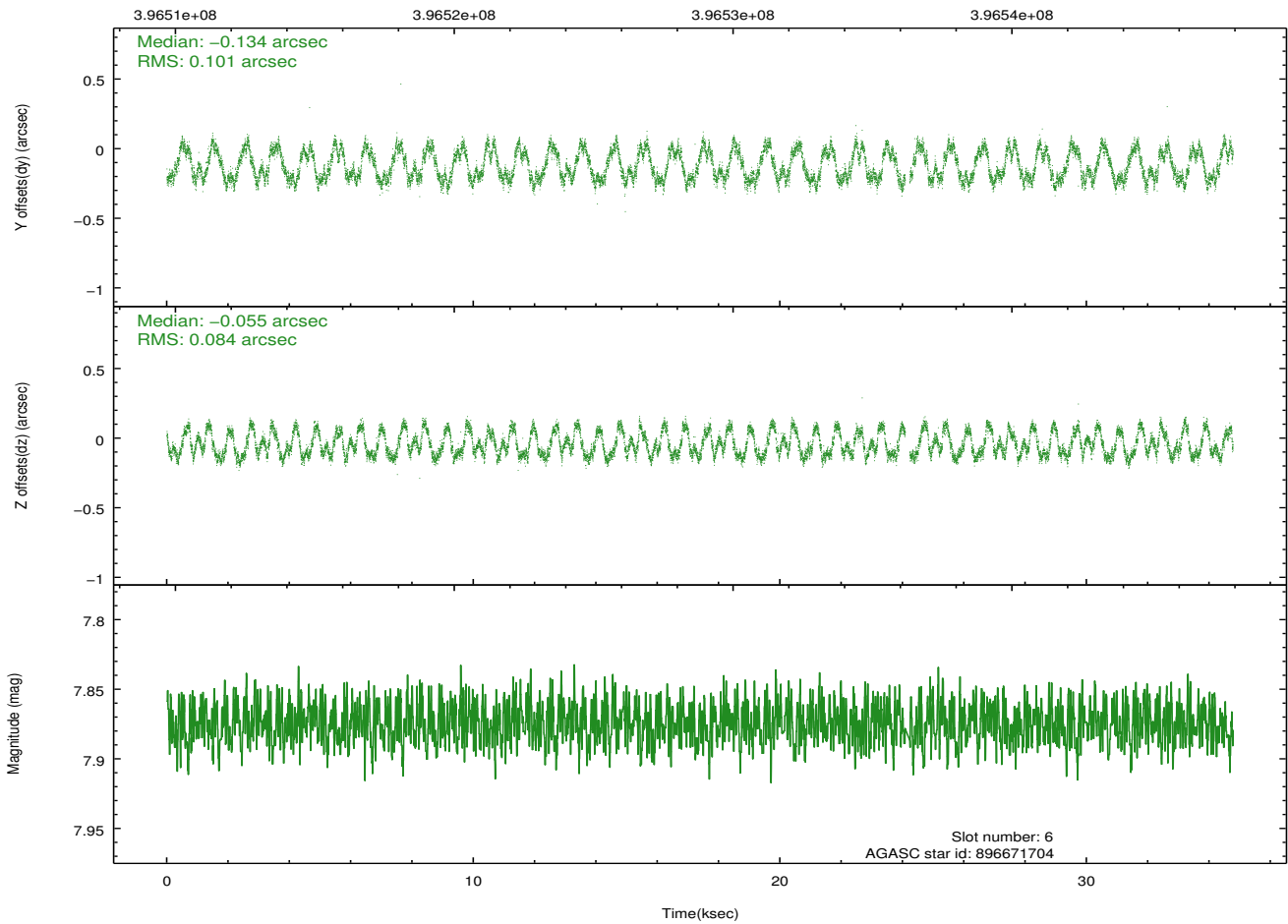
### 2.4.3 Slot 5



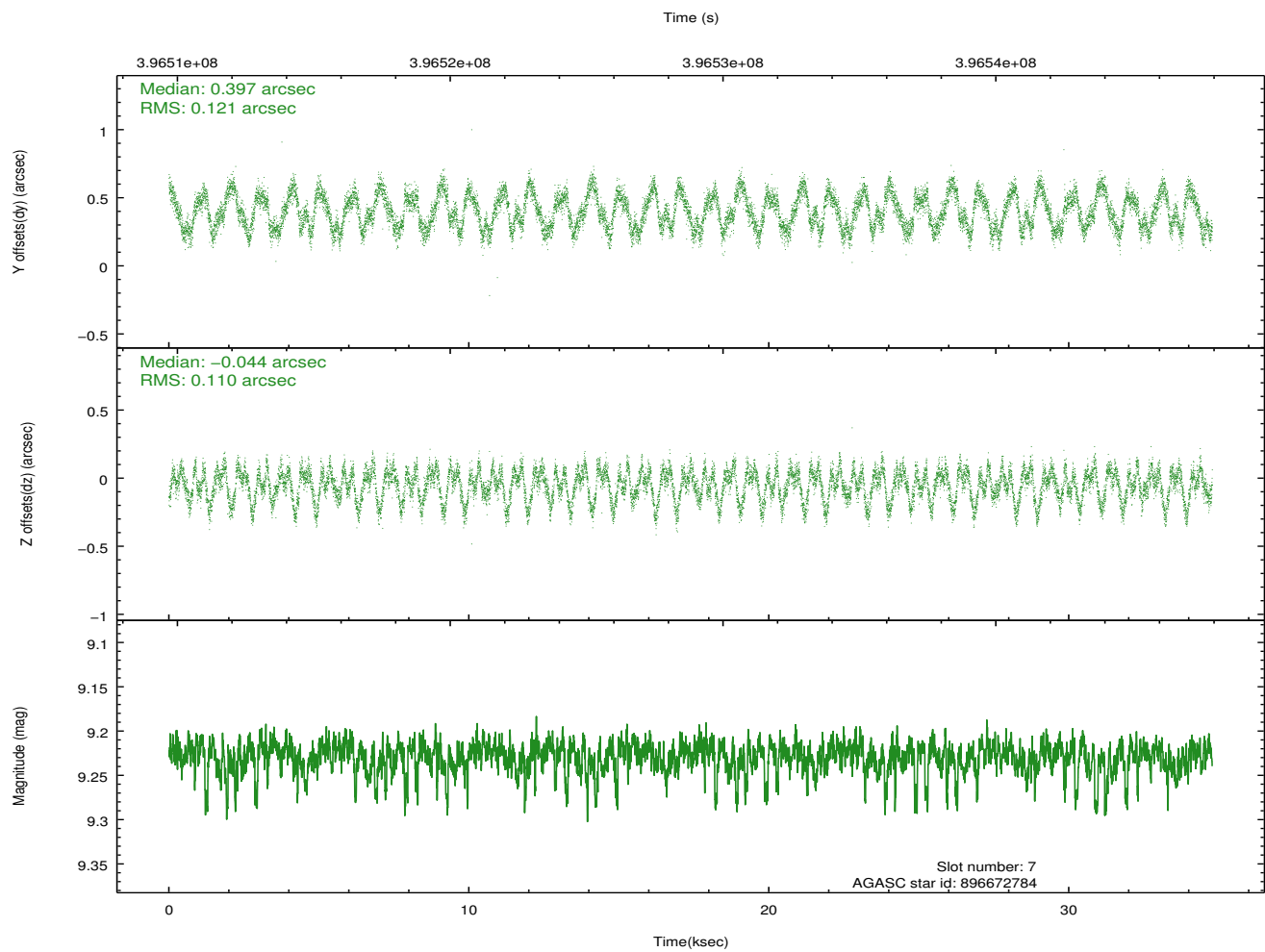
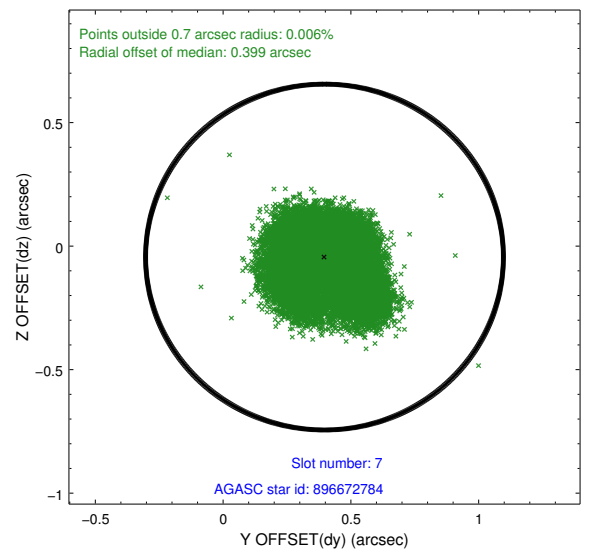
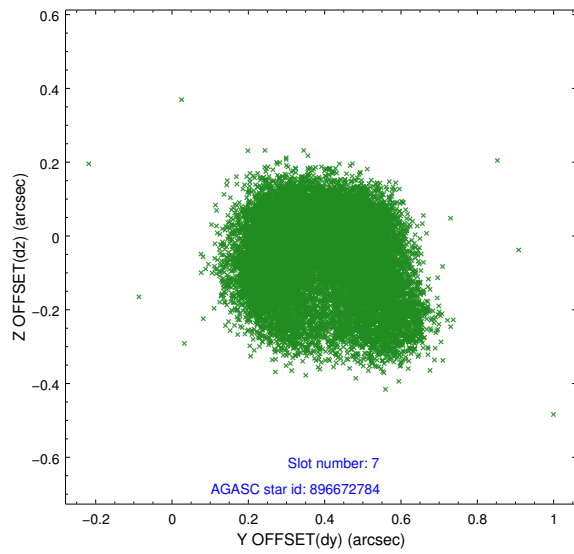
### 2.4.4 Slot 6



Time (s)

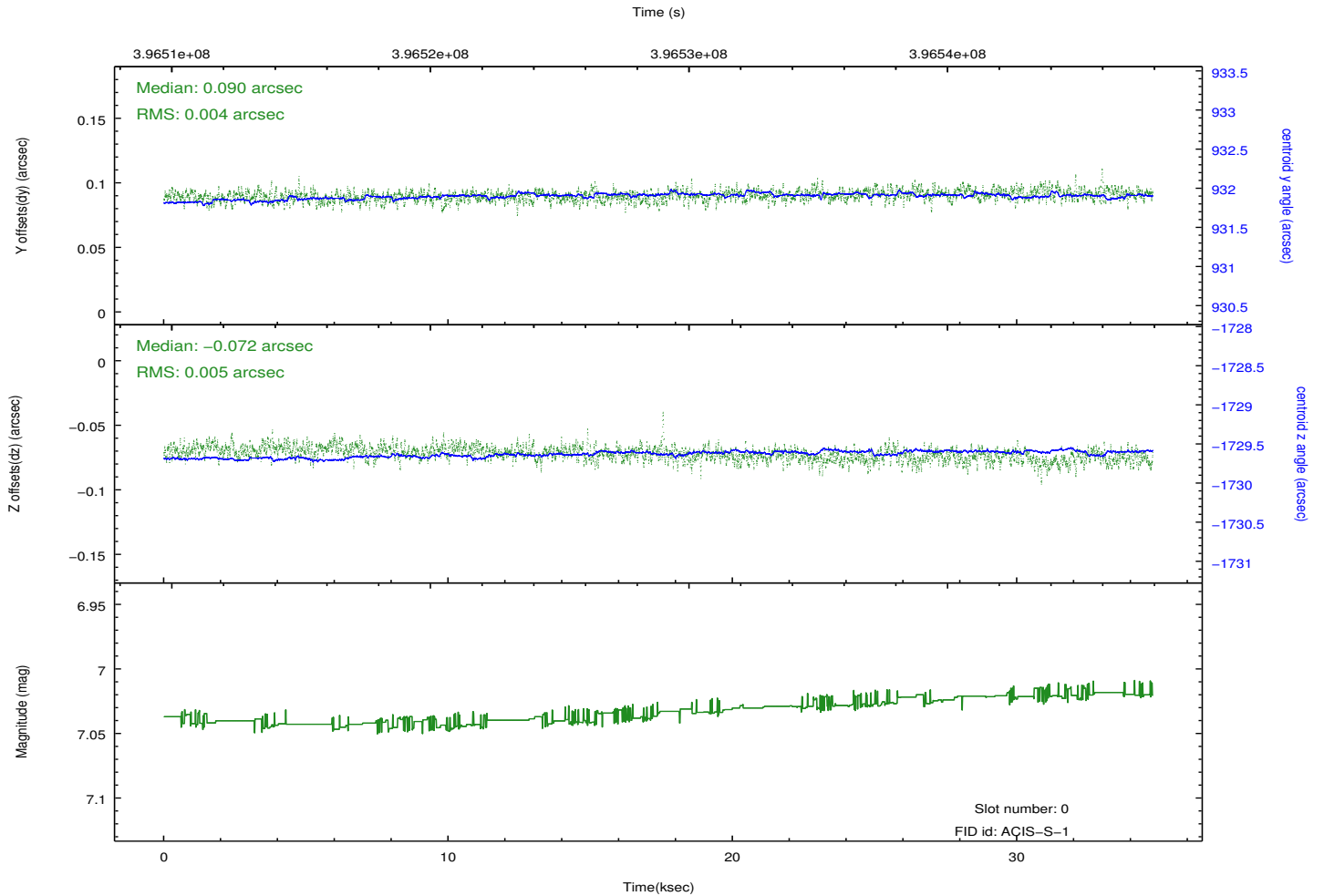
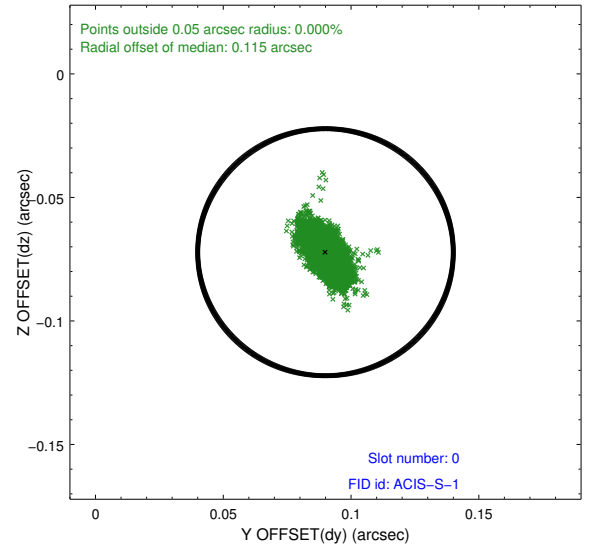
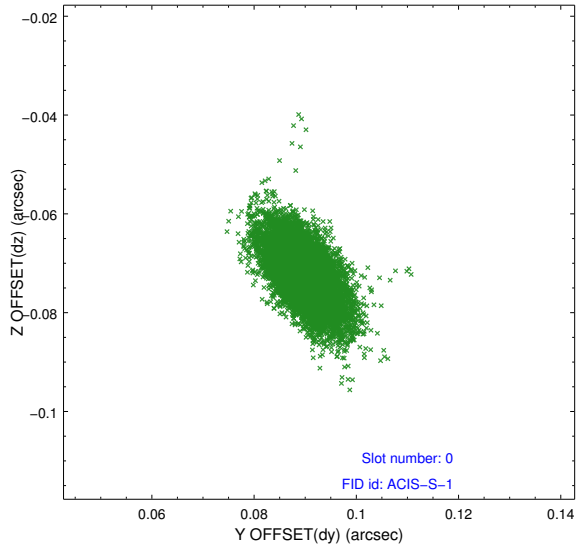


## 2.4.5 Slot 7

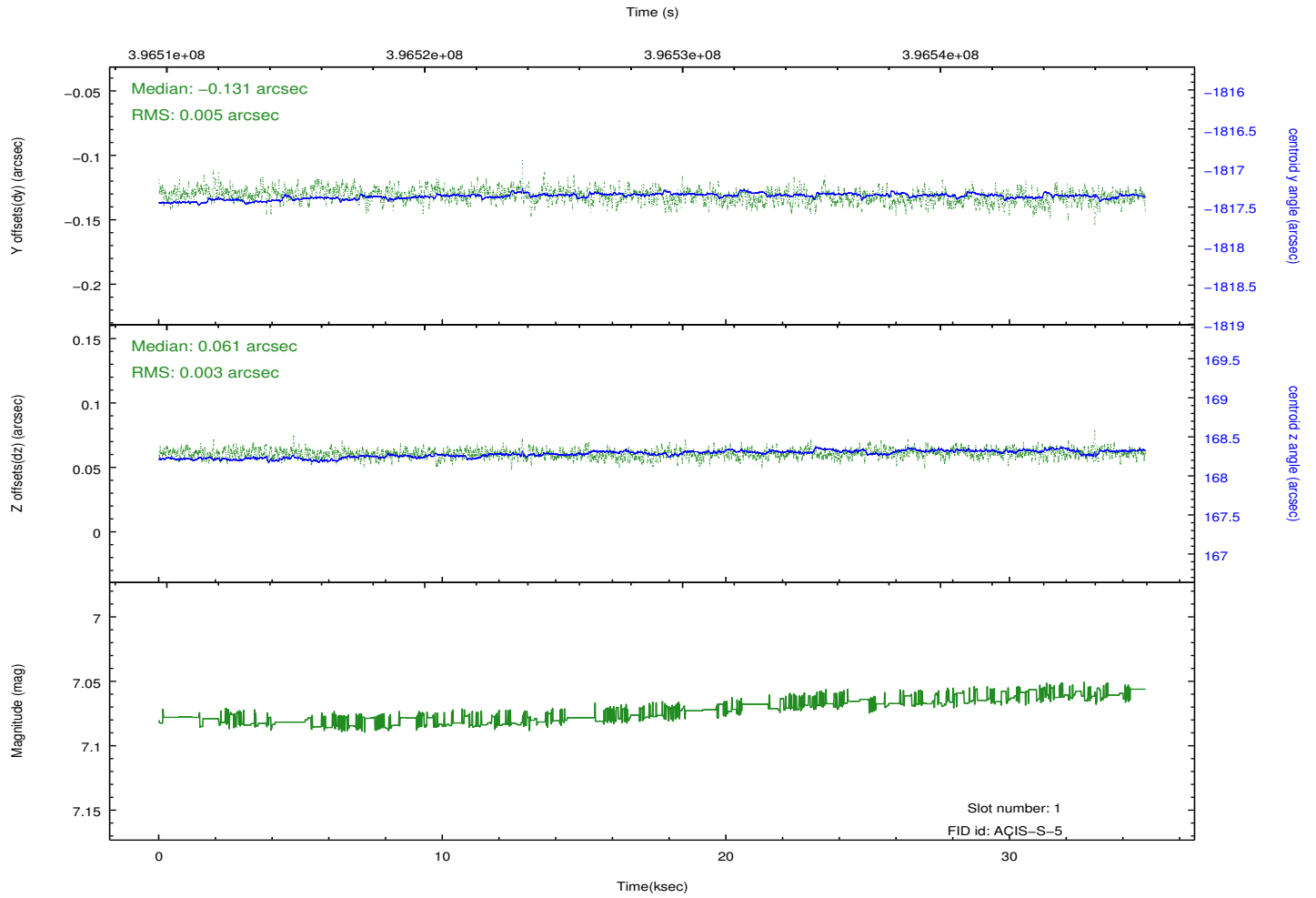
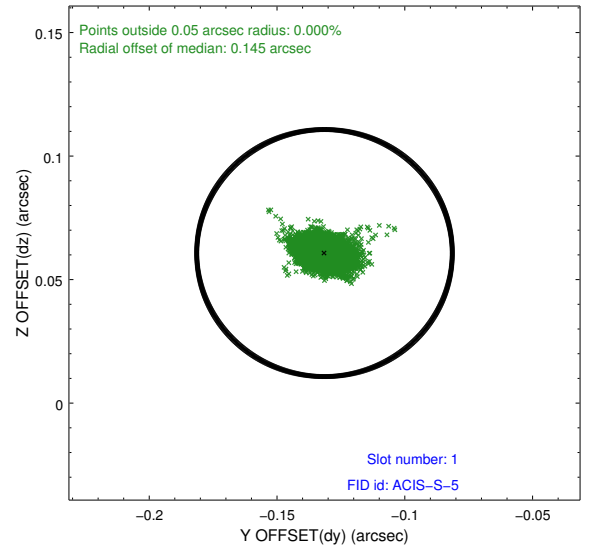
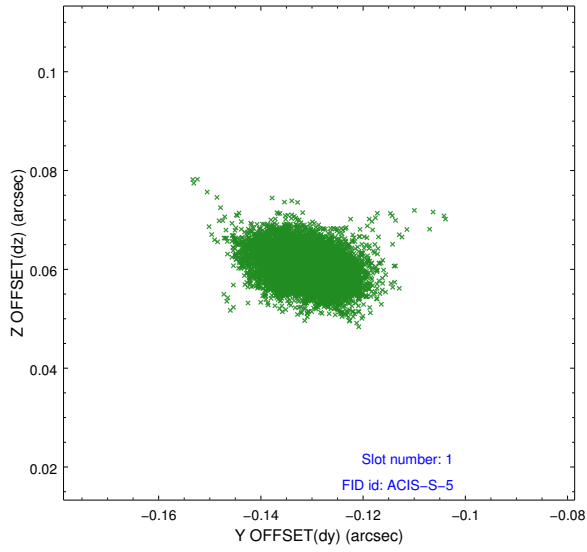


## 2.5 FID Slots

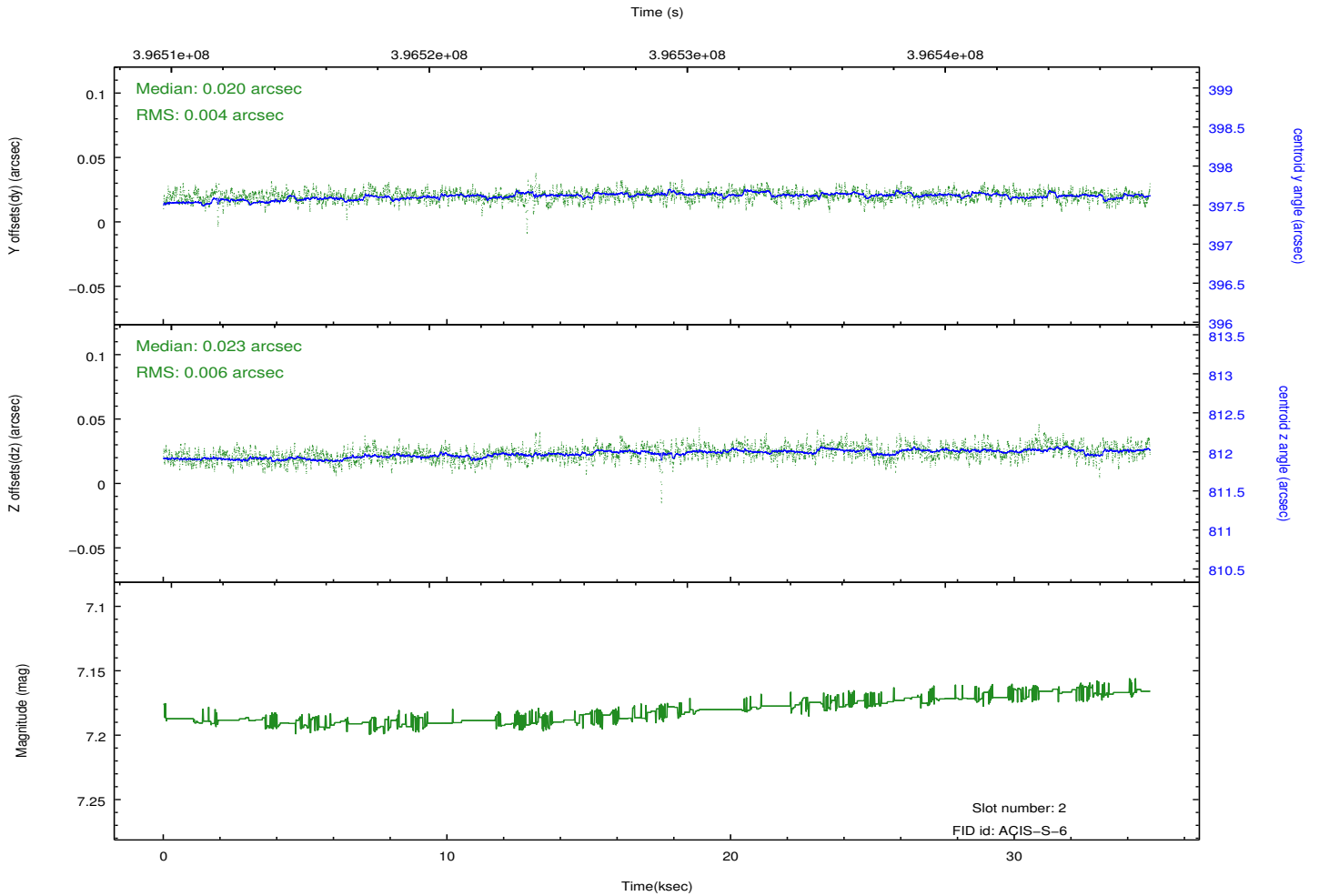
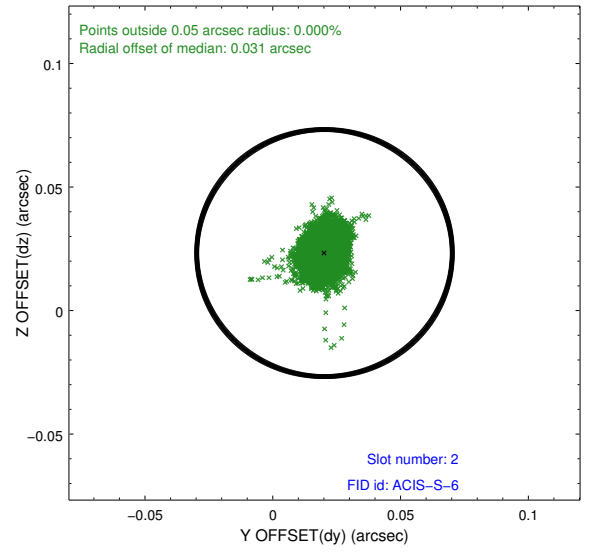
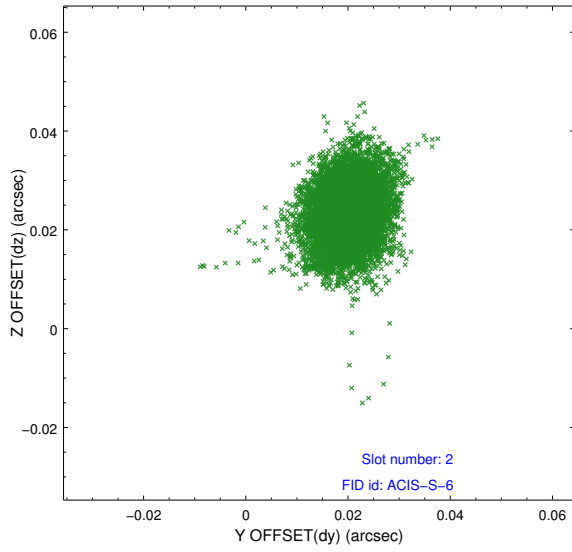
### 2.5.1 Slot 0



## 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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.608797937155

## A.2 Comments

Joint proposal with NRAO.