

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6769 - L2 Version 5  
Chandra X-Ray Center

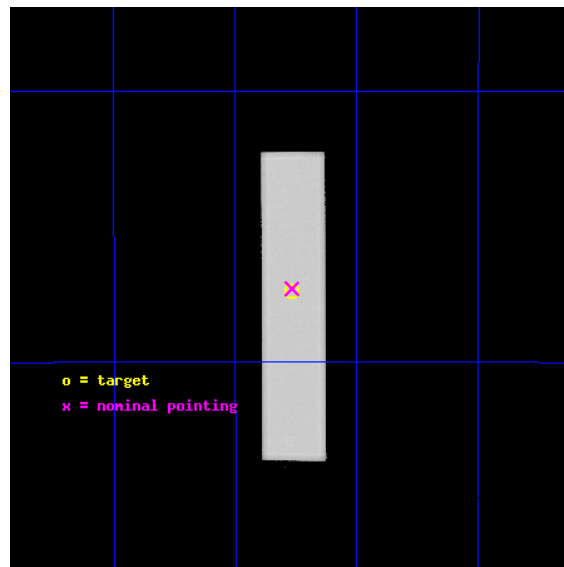
L2 Processing Date : Aug 11 2012

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# 1 Front

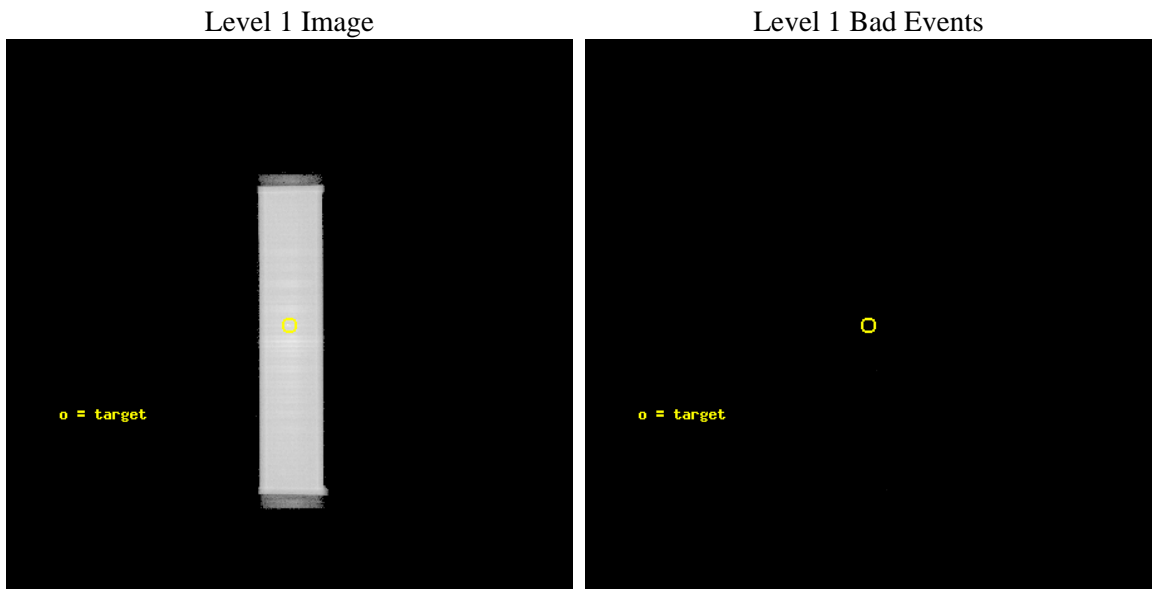
seq_num	590452	Sequence number
obs_id	6769	Observation id
title	AO7 Calibration Observation of PSR B1821-24 to Improve the Absolute Timing Calibration.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PSR B1821-24	Source name
ra_targ	276.133333	Observer's specified target RA [deg]
dec_targ	-24.869639	Observer's specified target Dec [deg]
ra_nom	276.13352379875	Nominal RA [deg]
dec_nom	-24.864959802771	Nominal Dec [deg]
roll_nom	89.669578436029	Nominal Roll [deg]
revision	5	Processing version of data
ontime	41072.776917726	[s]
livetime	40885.048615982	Ontime multiplied by DTCOR
l2events	1918652	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41072.776917726	[s]
caldbver	4.5.1.1	&#160	l1events	2751386	Number of level 1 events
date	2012-08-11T07:44:17	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

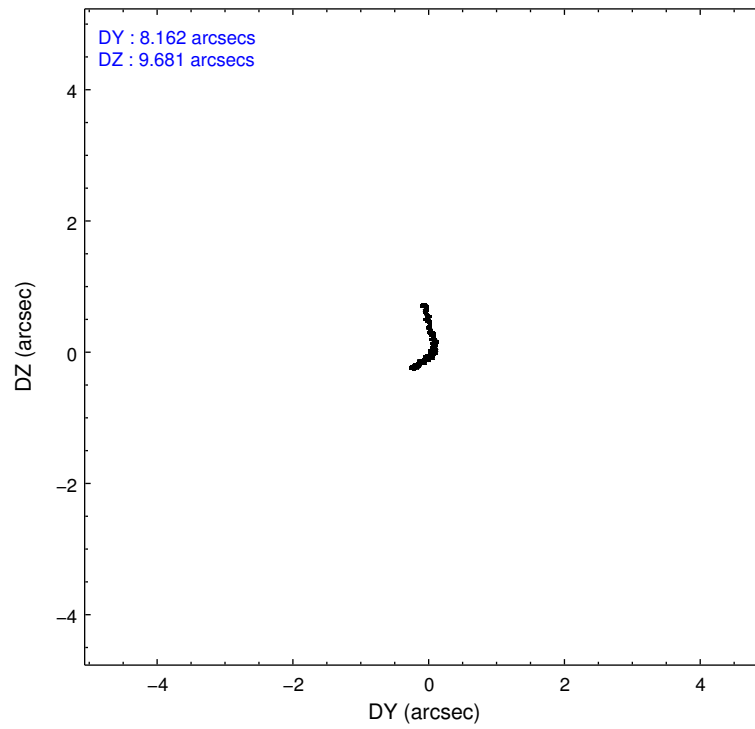
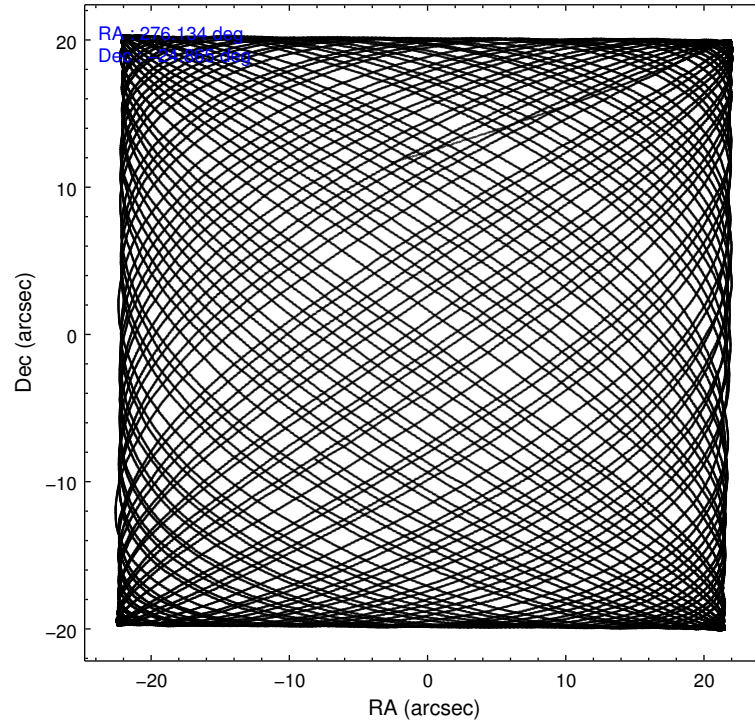
Level 1 Events

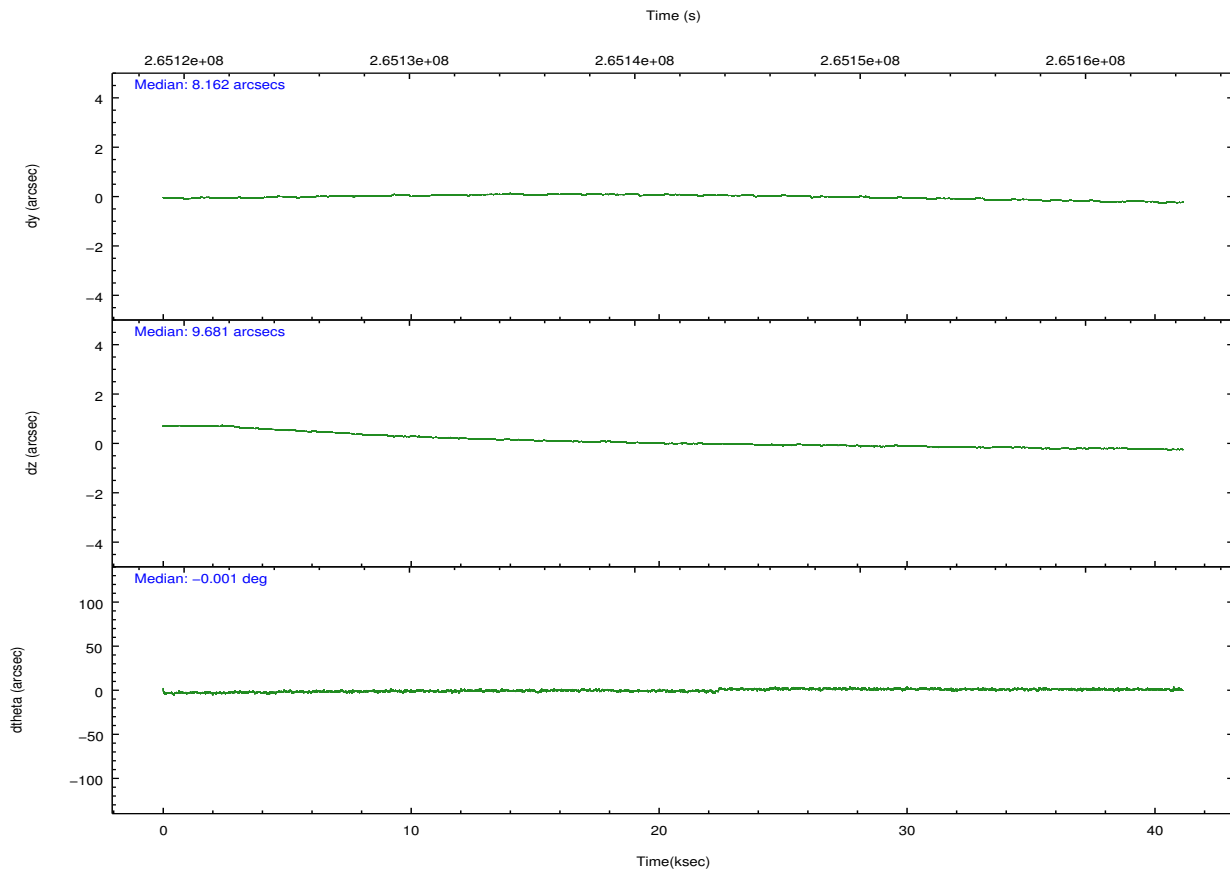
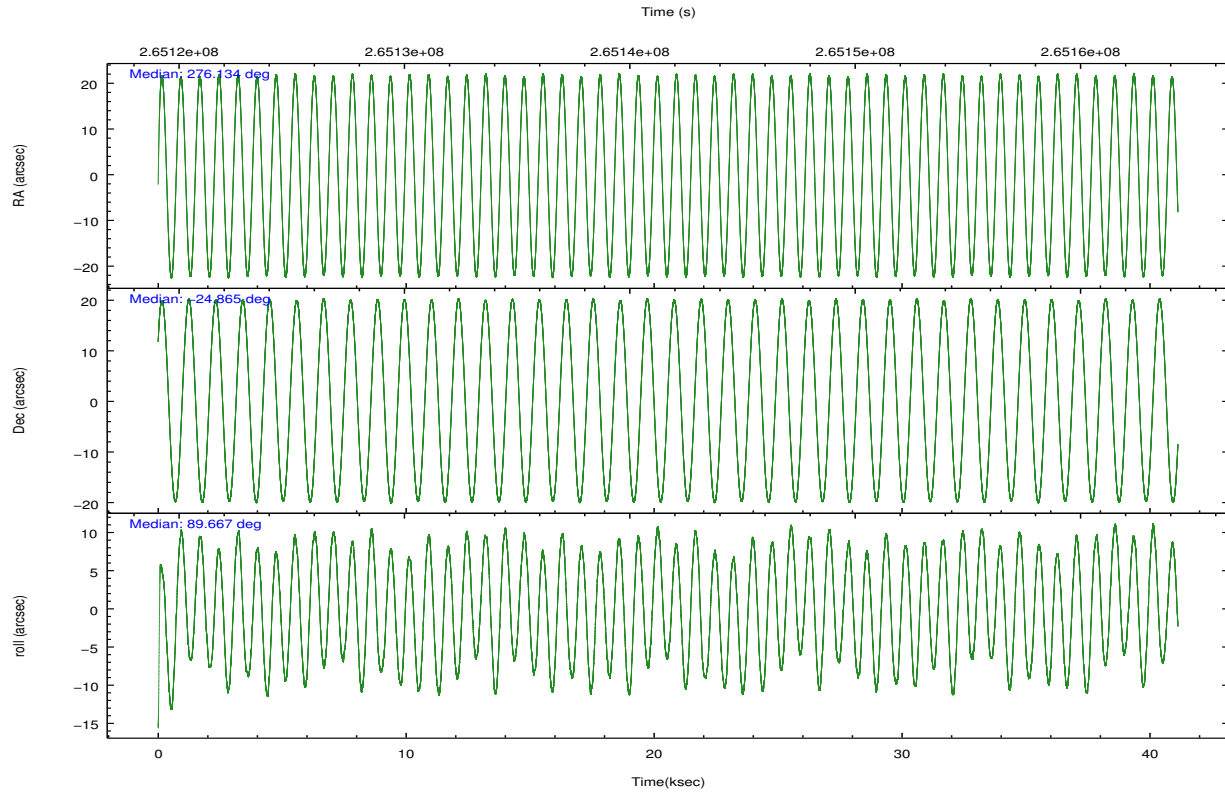
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	3410	27479679	
rejected events	9	10820	0
rejected %	0%	0%	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	276.150453	276.1335237987537			
[deg] Pointing Dec	-24.889080	-24.86495980277061			
[deg] Pointing Roll	89.609373	89.66957843602867			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	265121264.184000	265120221.69226			
Observation start date	2006-05-27T12:46:39	2006-05-27T12:30:21			
[s] Observation end time (MET)	265162264.184000	265163127.16926			
Observation end date	2006-05-28T00:09:59	2006-05-28T00:25:27			

## 2.3 Aspect



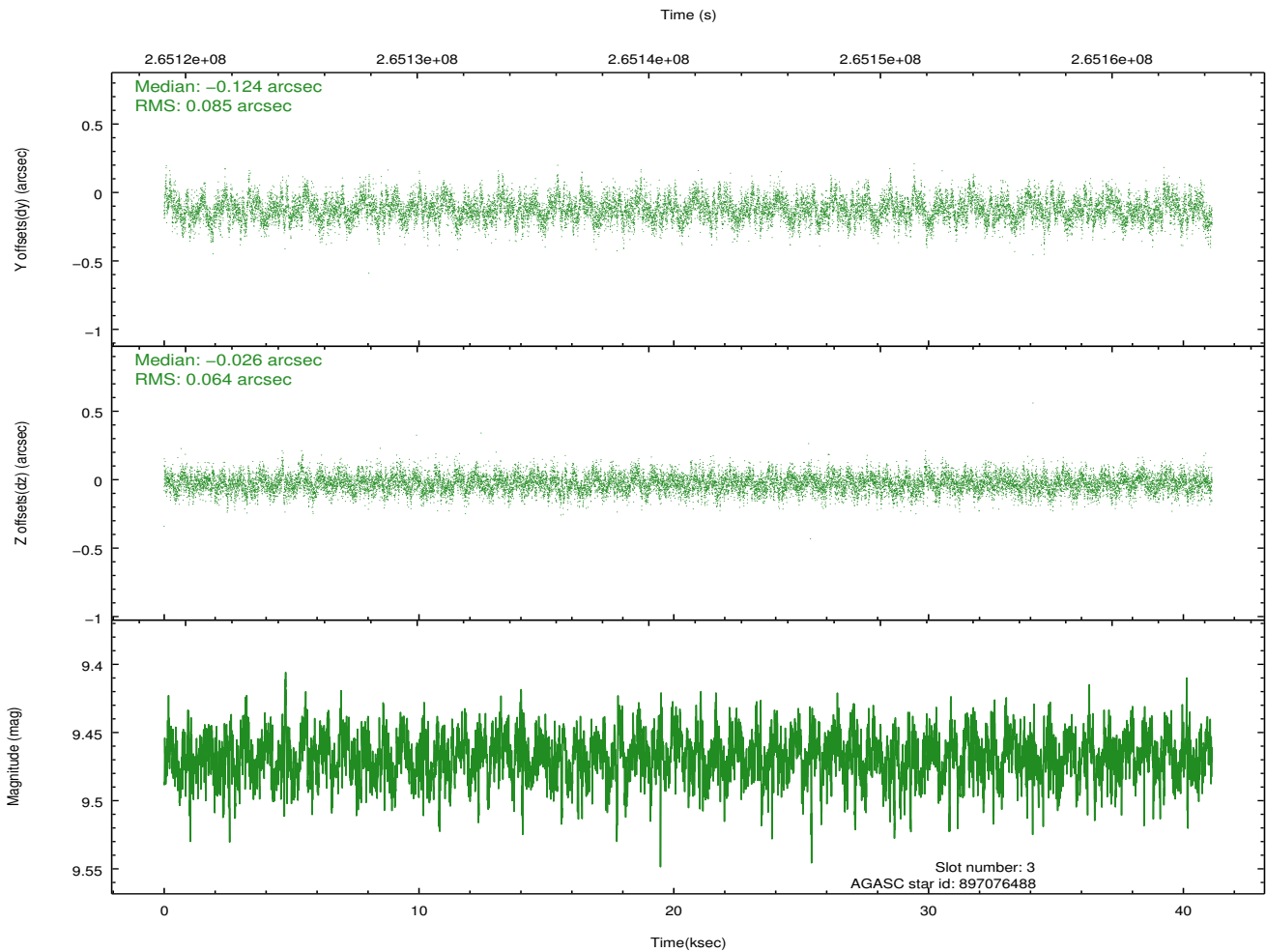
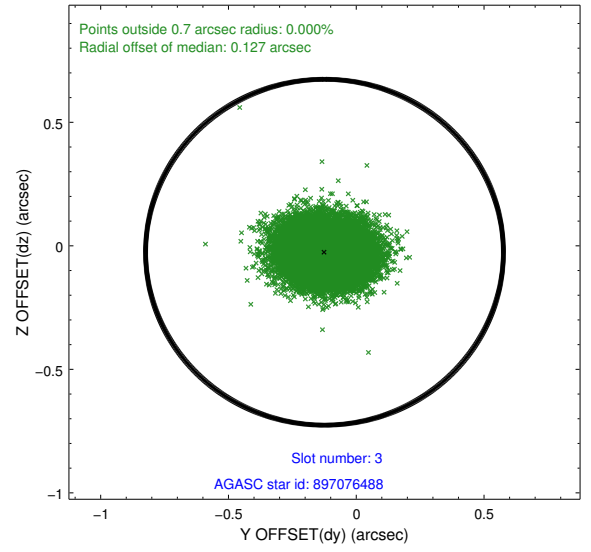
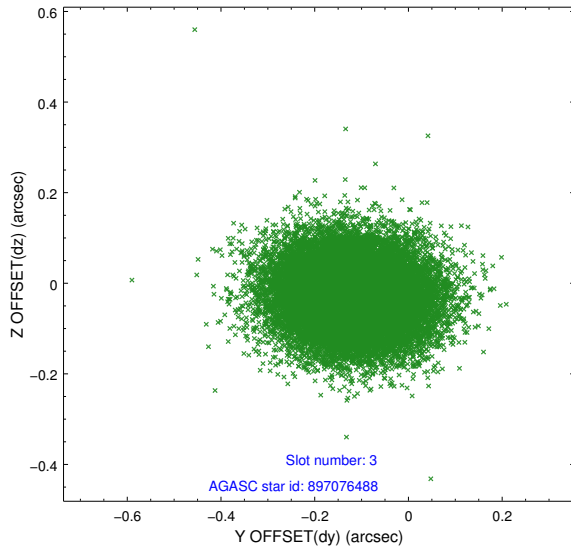


### Slot Statistics

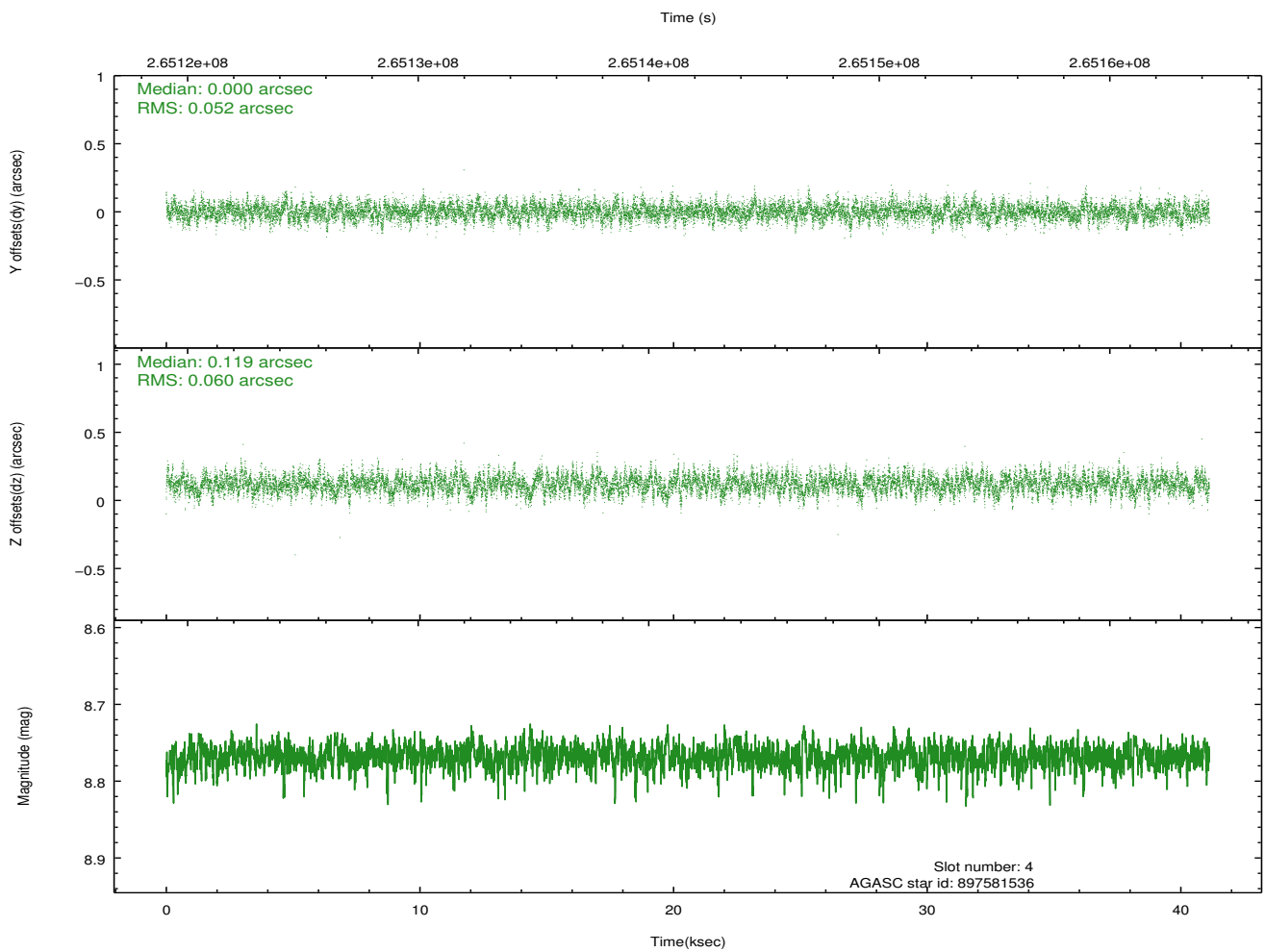
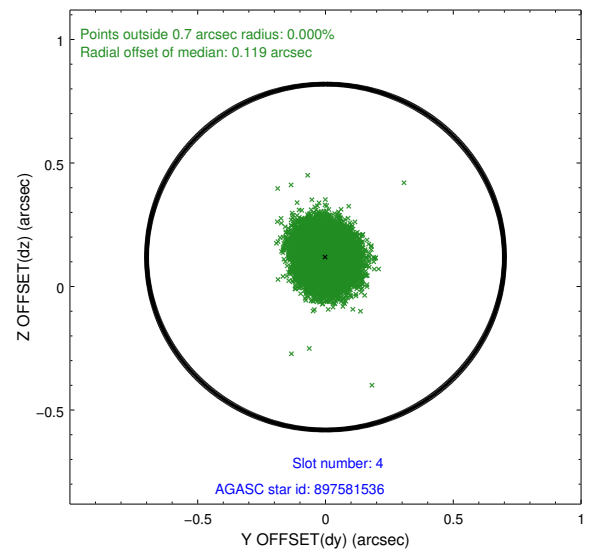
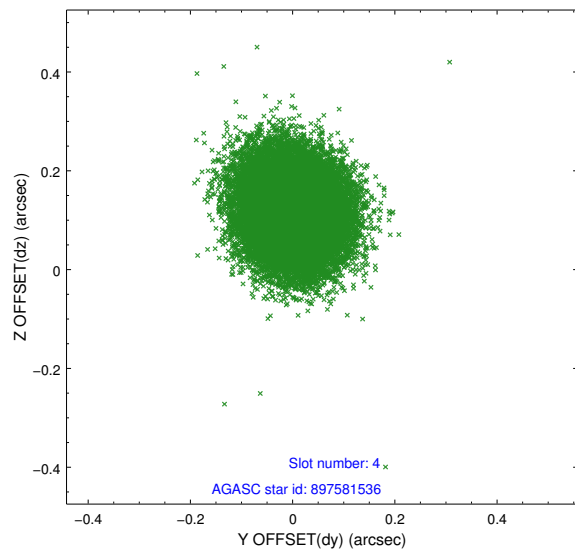
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.00	10032	0.147	-0.112	0.027	0.038	0.000000	0.000000	1237.34	-451.10
1	FID	HRC-S-3	7.02	10031	0.039	-0.093	0.010	0.017	0.000000	0.000000	-1164.97	571.14
2	FID	HRC-S-4	6.98	10032	0.220	-0.089	0.029	0.041	0.000000	0.000000	1235.92	573.69
3	GUIDE	897076488	9.47	20042	-0.124	-0.026	0.112	0.185	275.884089	-24.287832	2157.62	889.20
4	GUIDE	897581536	8.77	20047	0.000	0.119	0.085	0.137	276.270189	-24.414428	1711.60	-380.38
5	GUIDE	897585408	8.93	20035	-0.058	-0.062	0.090	0.147	276.128475	-24.385394	1812.85	84.52
6	GUIDE	899295912	9.17	20054	0.088	0.203	0.093	0.151	276.702891	-25.456161	-2032.41	-1809.35
7	GUIDE	897607632	9.00	20056	0.092	-0.231	0.093	0.149	275.528210	-25.239953	-1281.57	2017.51

## 2.4 Star Slots

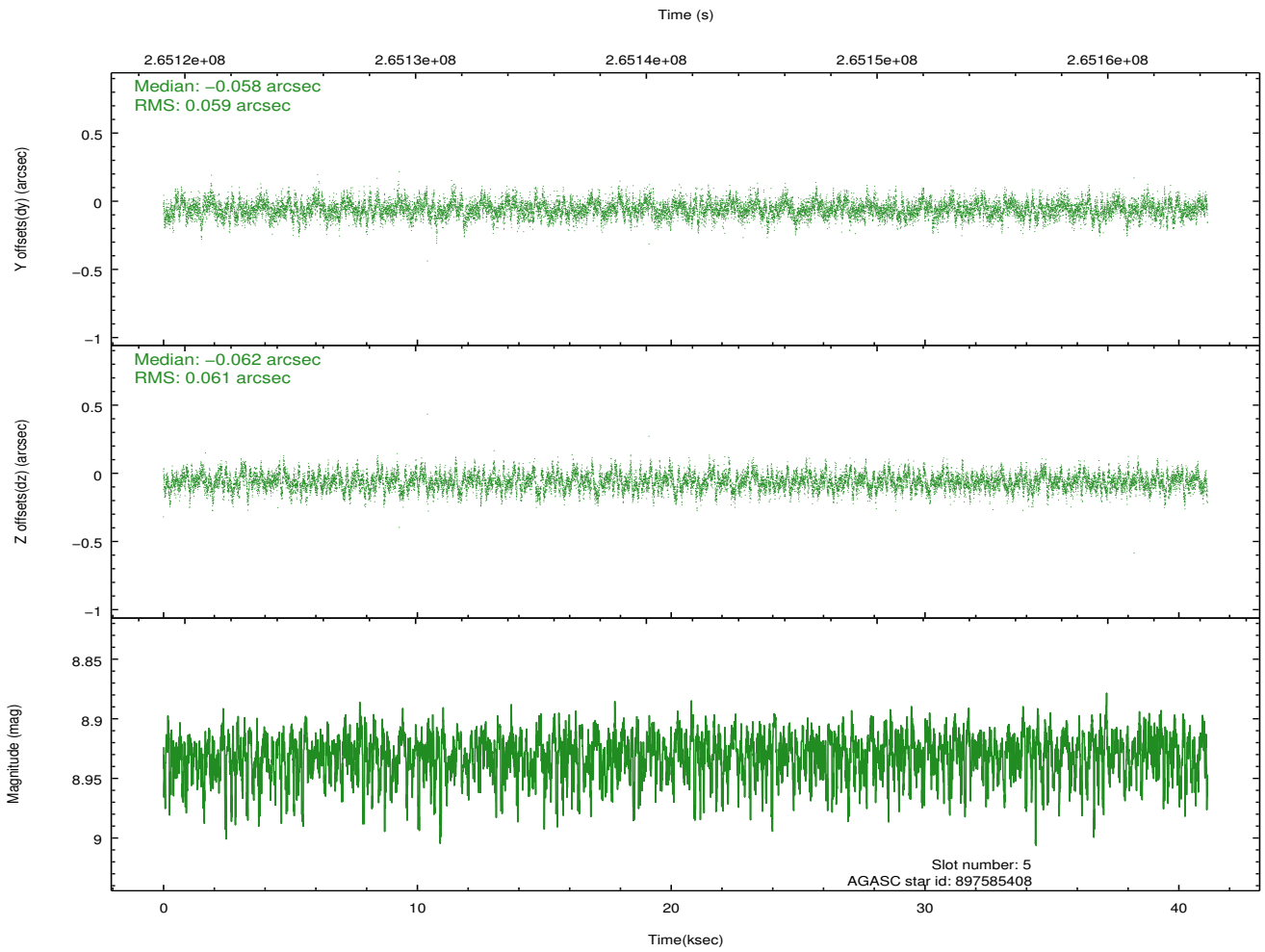
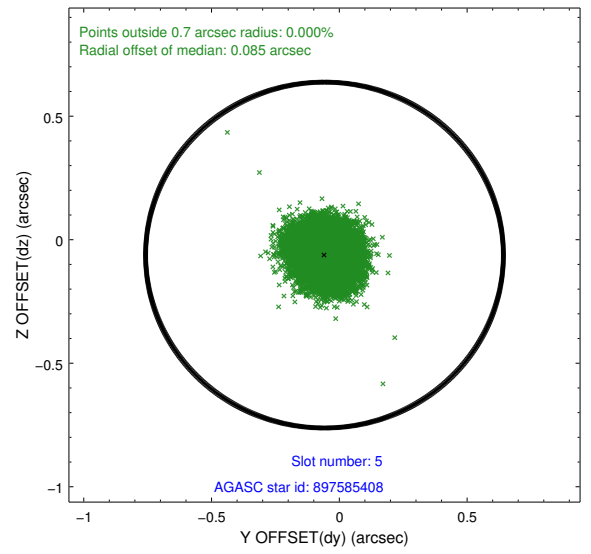
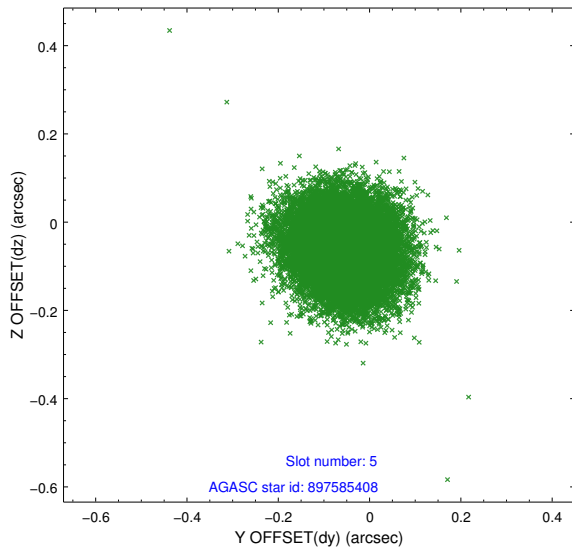
### 2.4.1 Slot 3



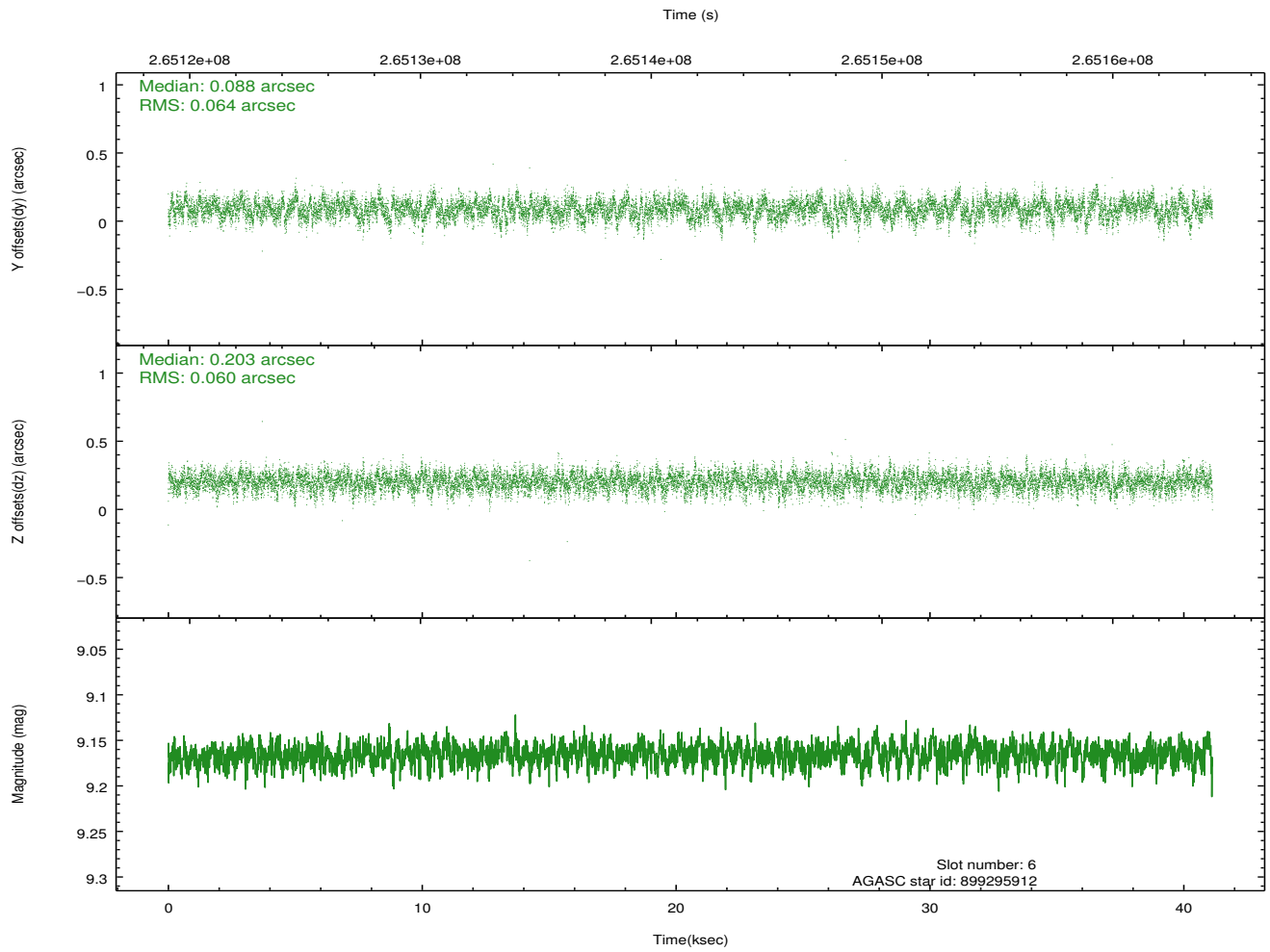
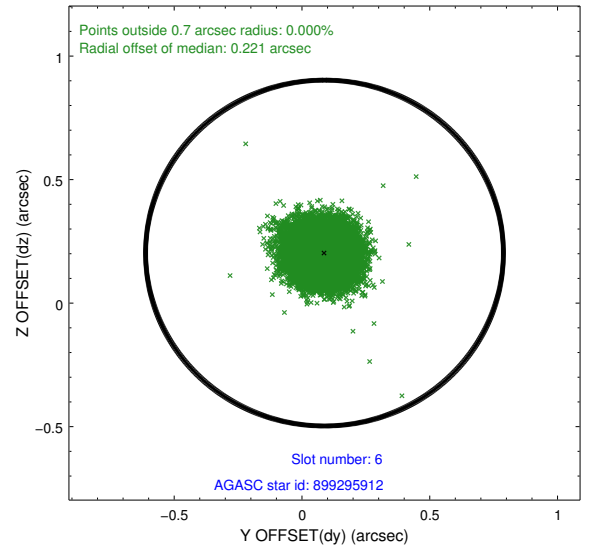
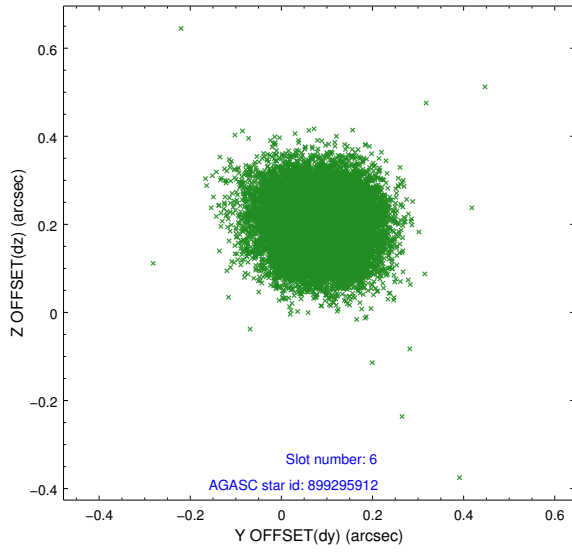
## 2.4.2 Slot 4



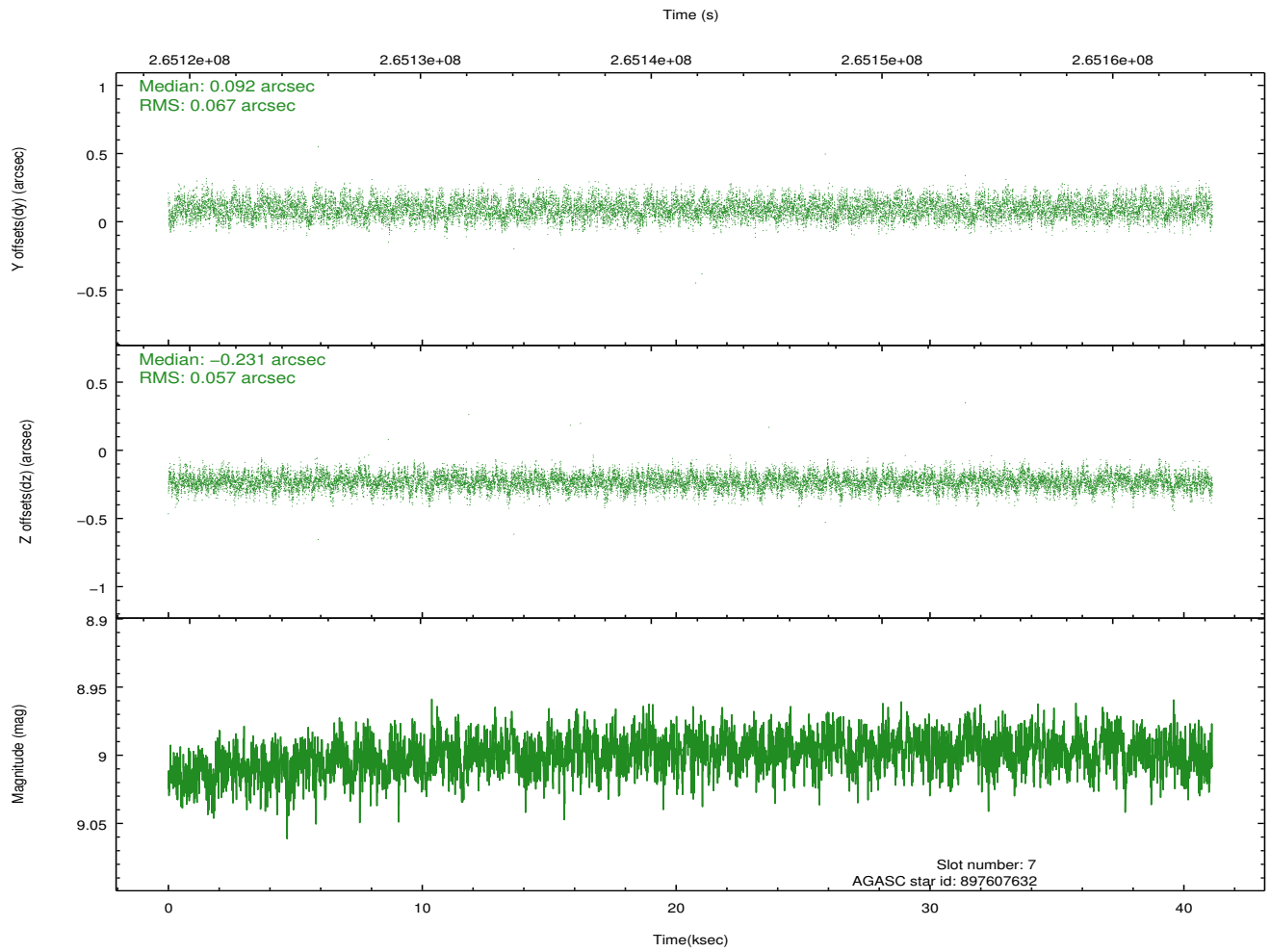
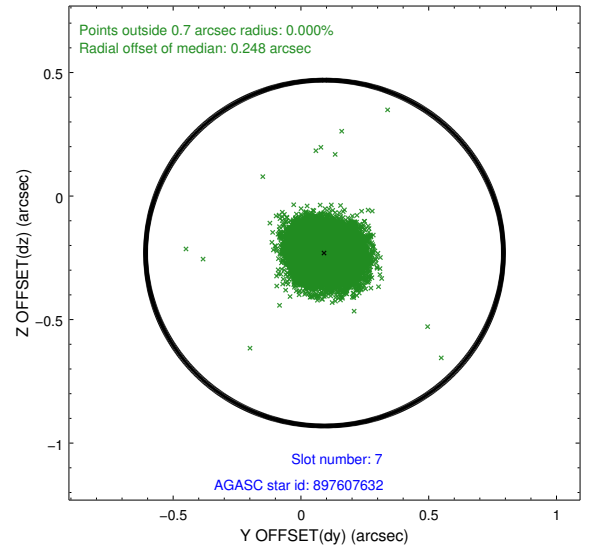
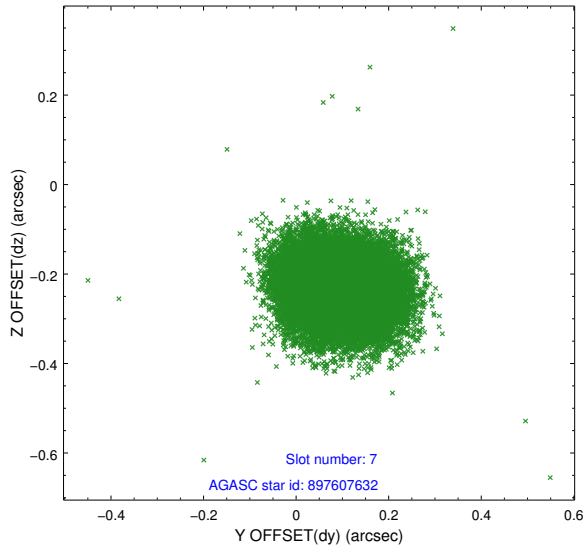
### 2.4.3 Slot 5



### 2.4.4 Slot 6

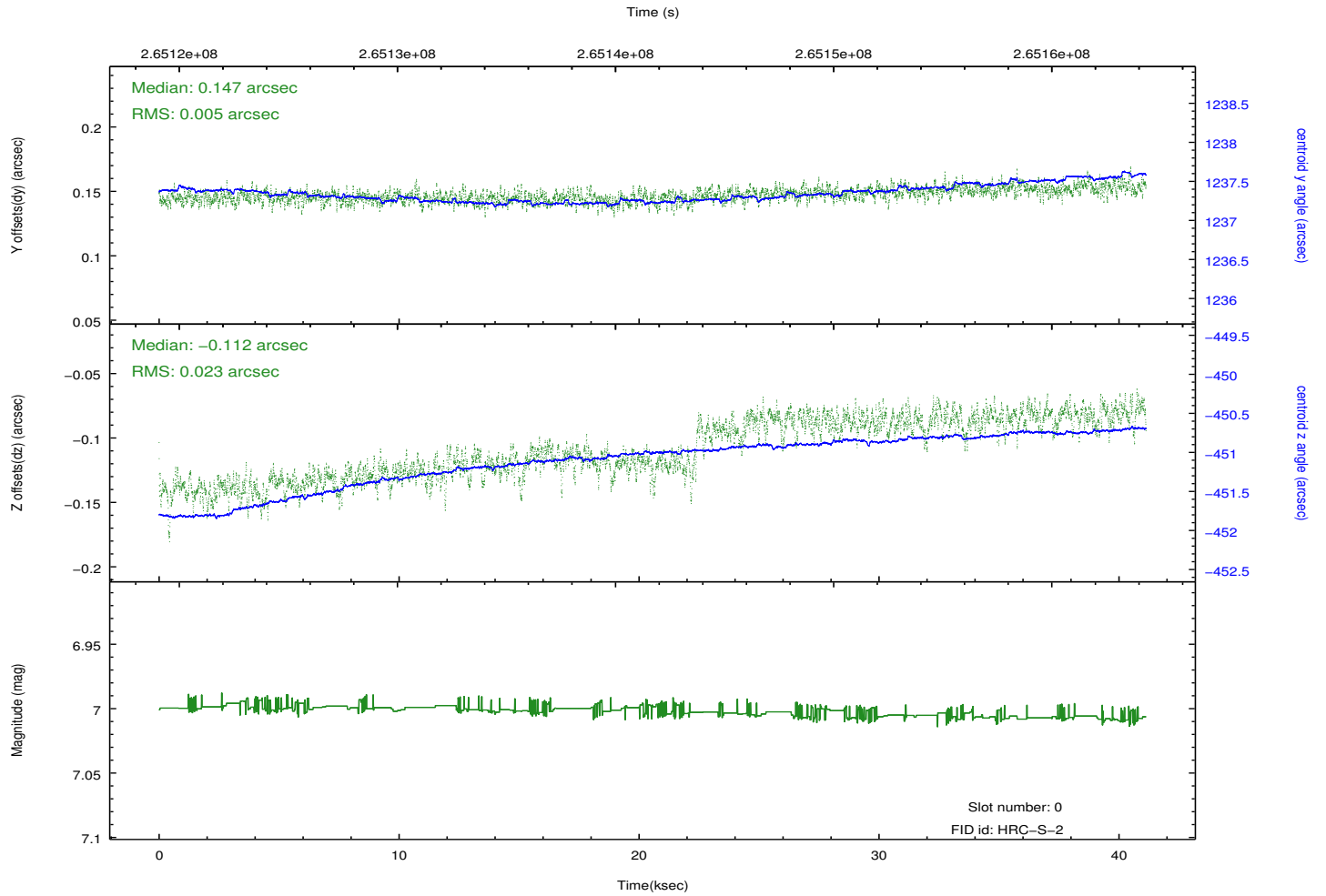
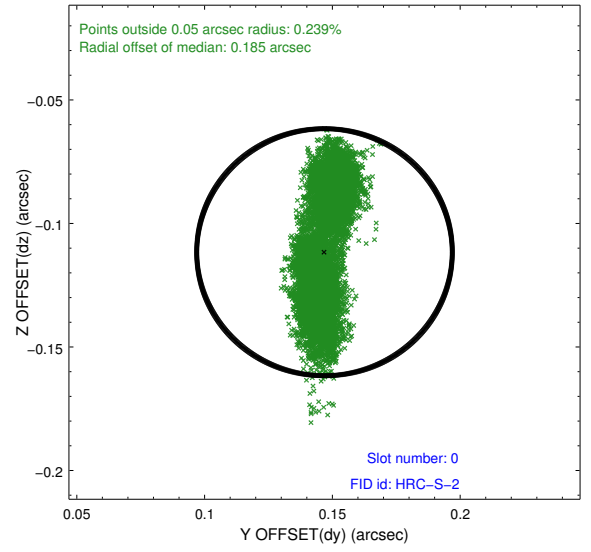
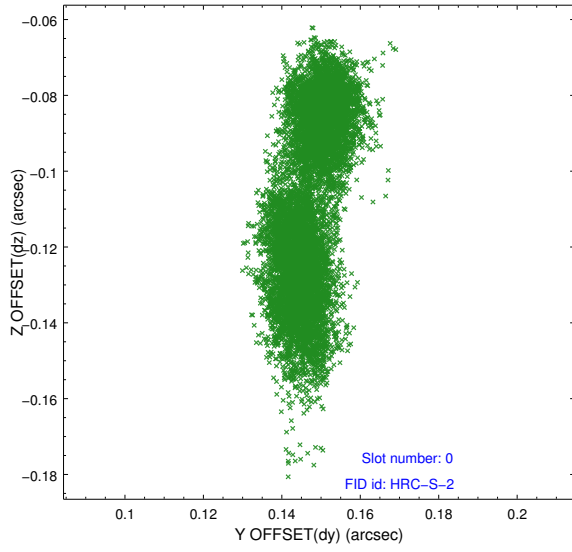


### 2.4.5 Slot 7

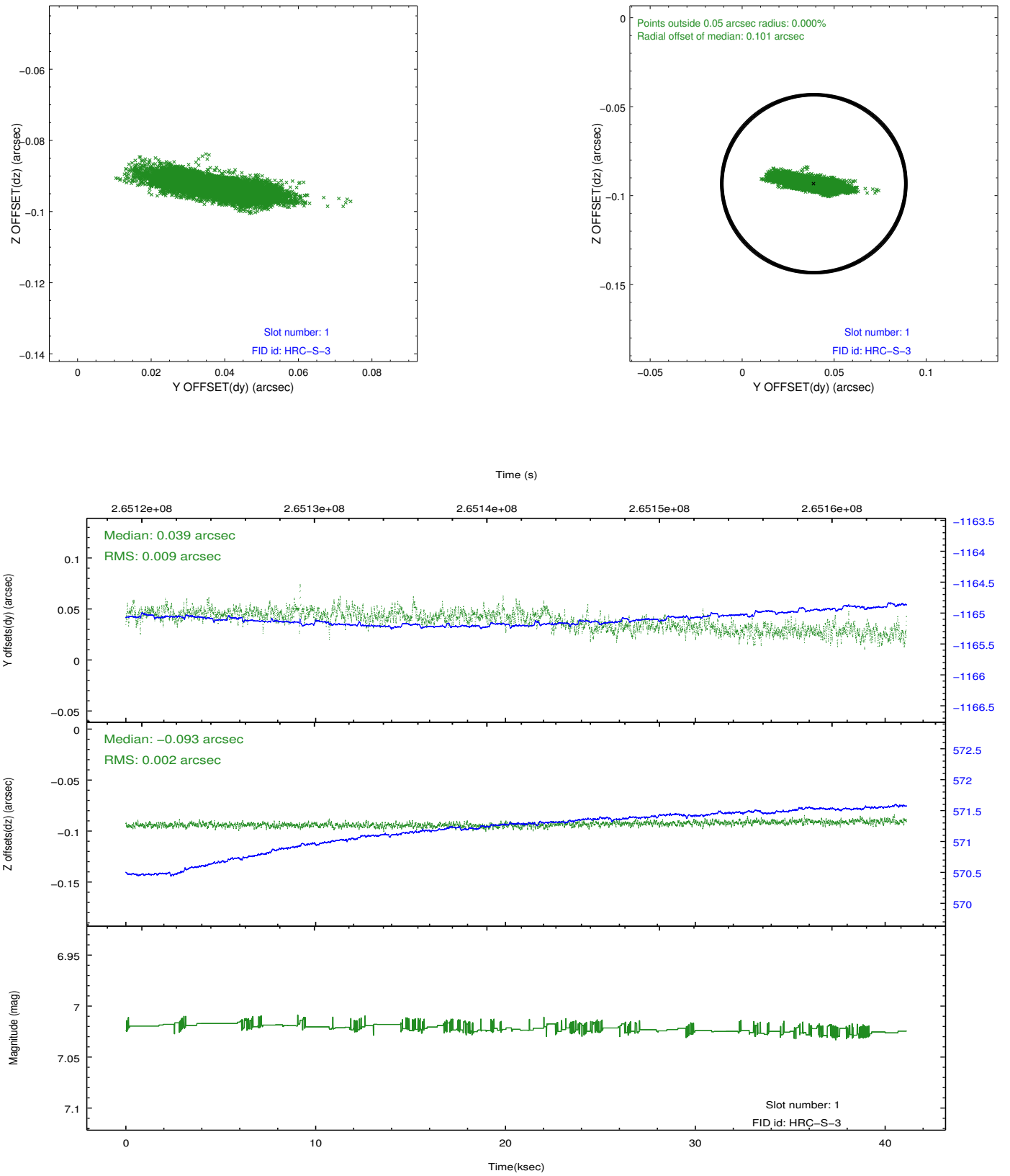


## 2.5 FID Slots

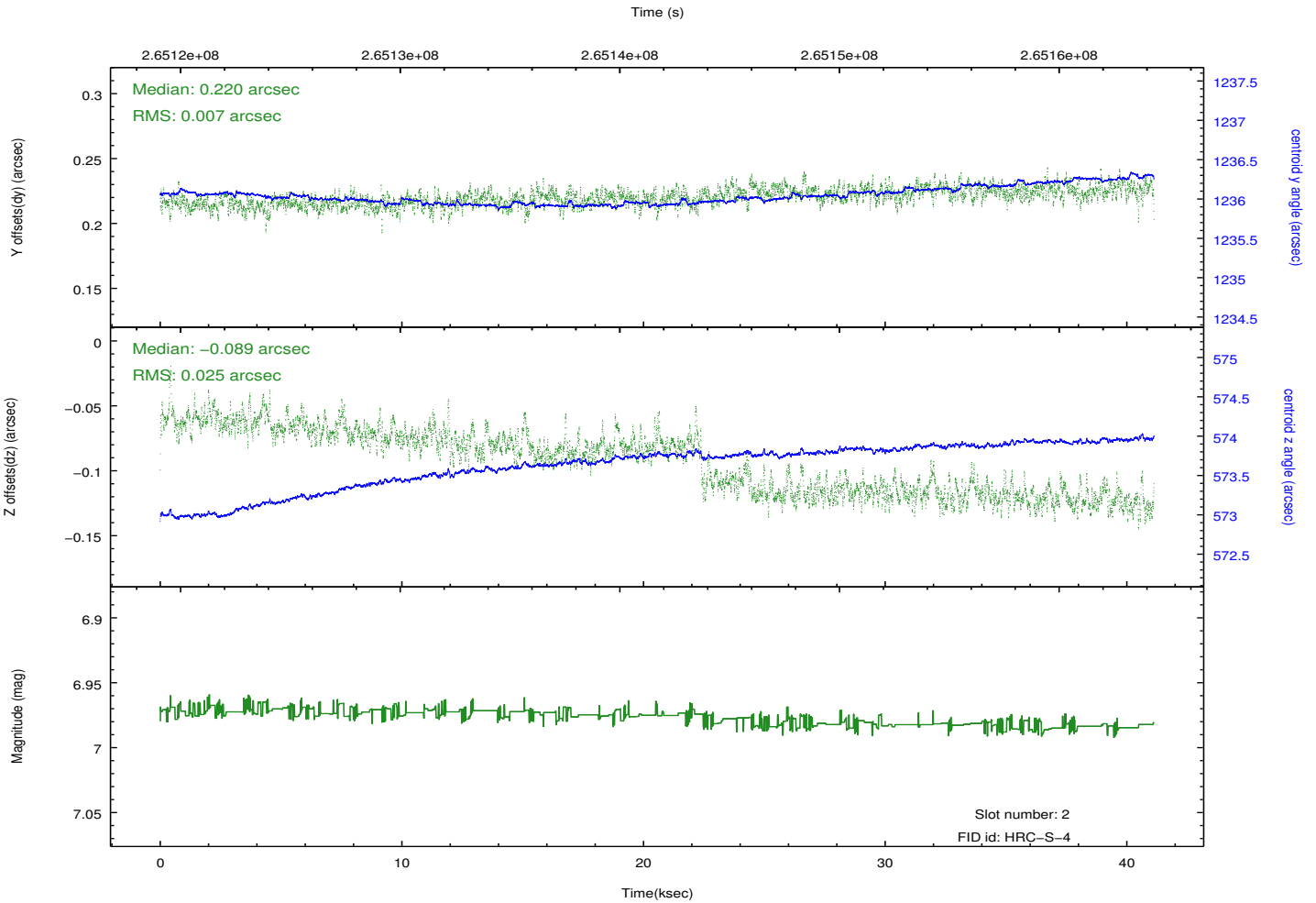
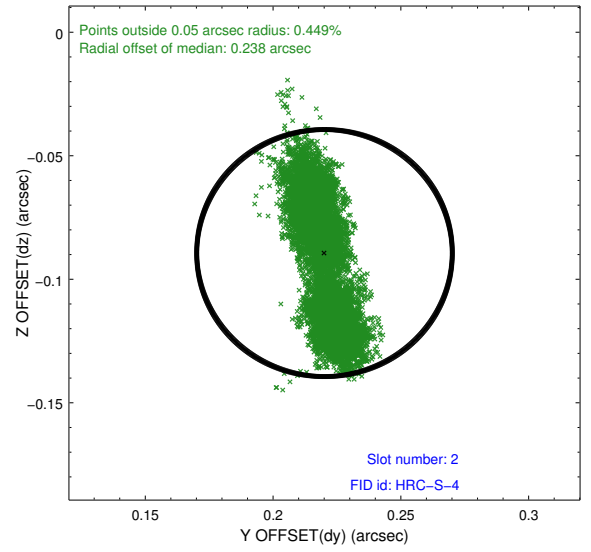
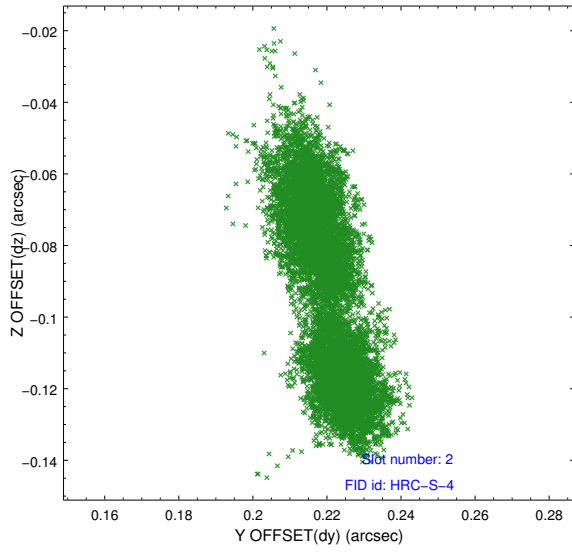
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.0730331

## A.2 Comments