

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2616 - L2 Version 3  
Chandra X-Ray Center

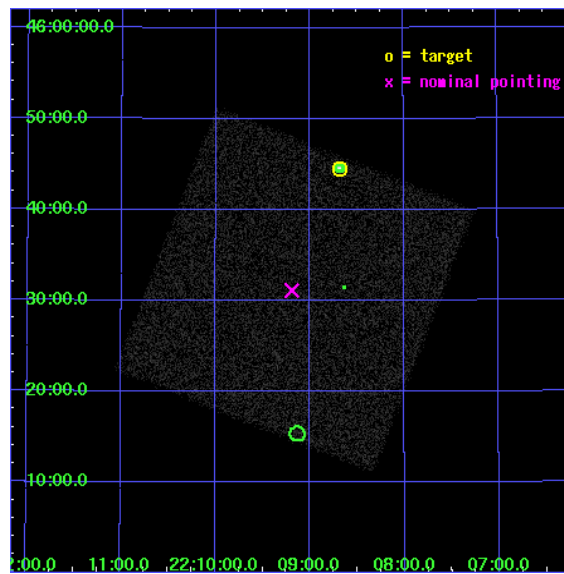
L2 Processing Date : Nov 21 2007

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# 1 Front

seq_num	290172
obs_id	2616
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.29751786603
dec_nom	45.518943195369
roll_nom	336.40236149827
revision	3
ontime	1202.5812984556
livetime	1195.9810567049
l2events	36158

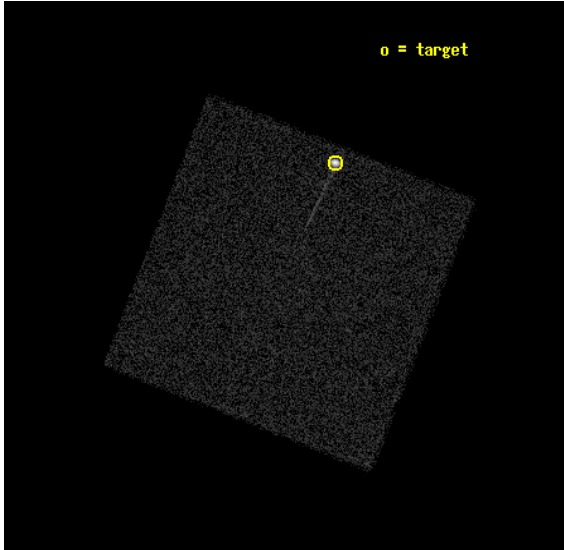


## 2 OBI

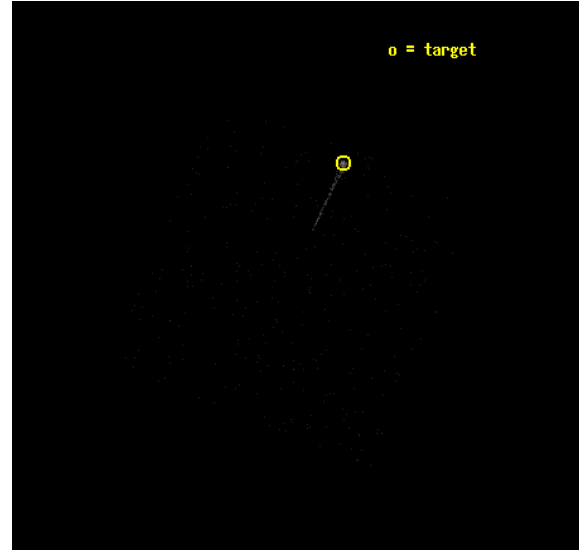
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T17:37:27
revision	3

sched_exp_time	1000.000000
ontime	1202.5812984556
l1events	66100

### 2.1.3 Events

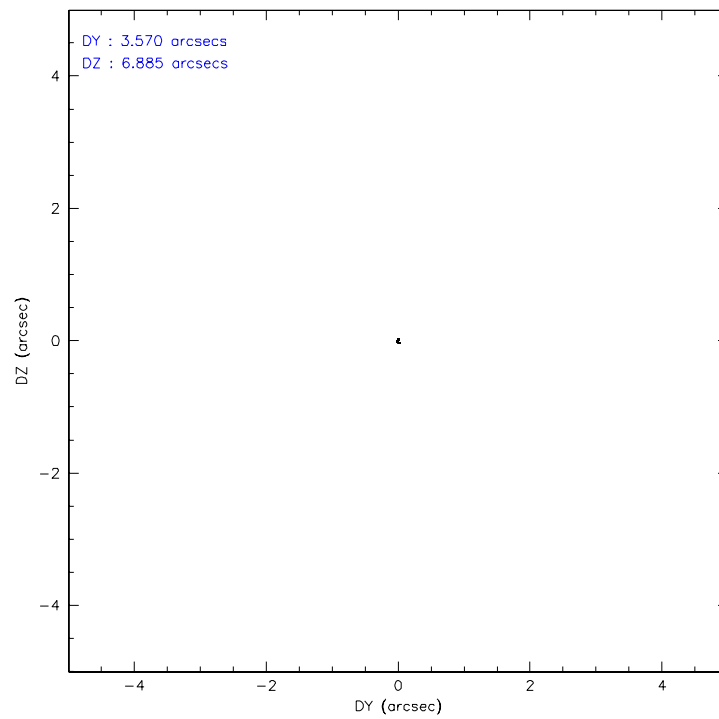
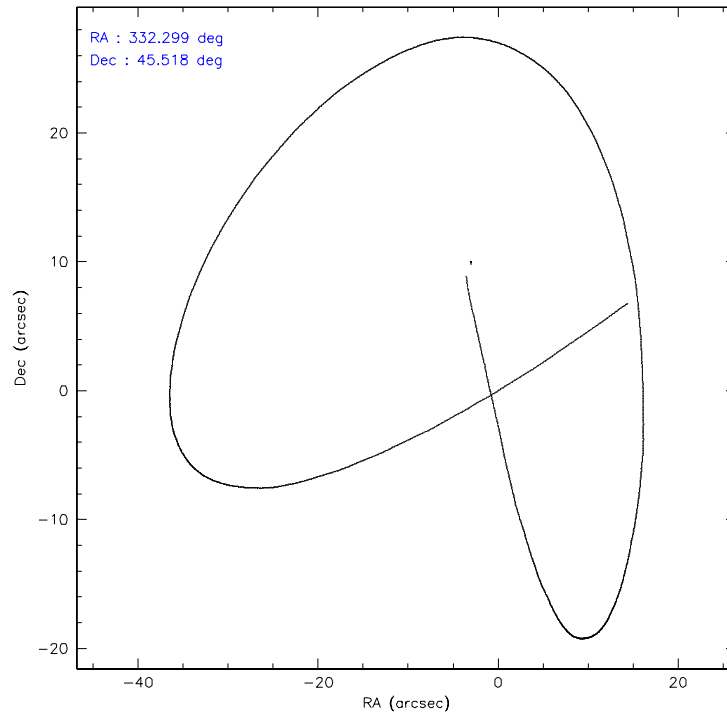
#### Level 1 Events

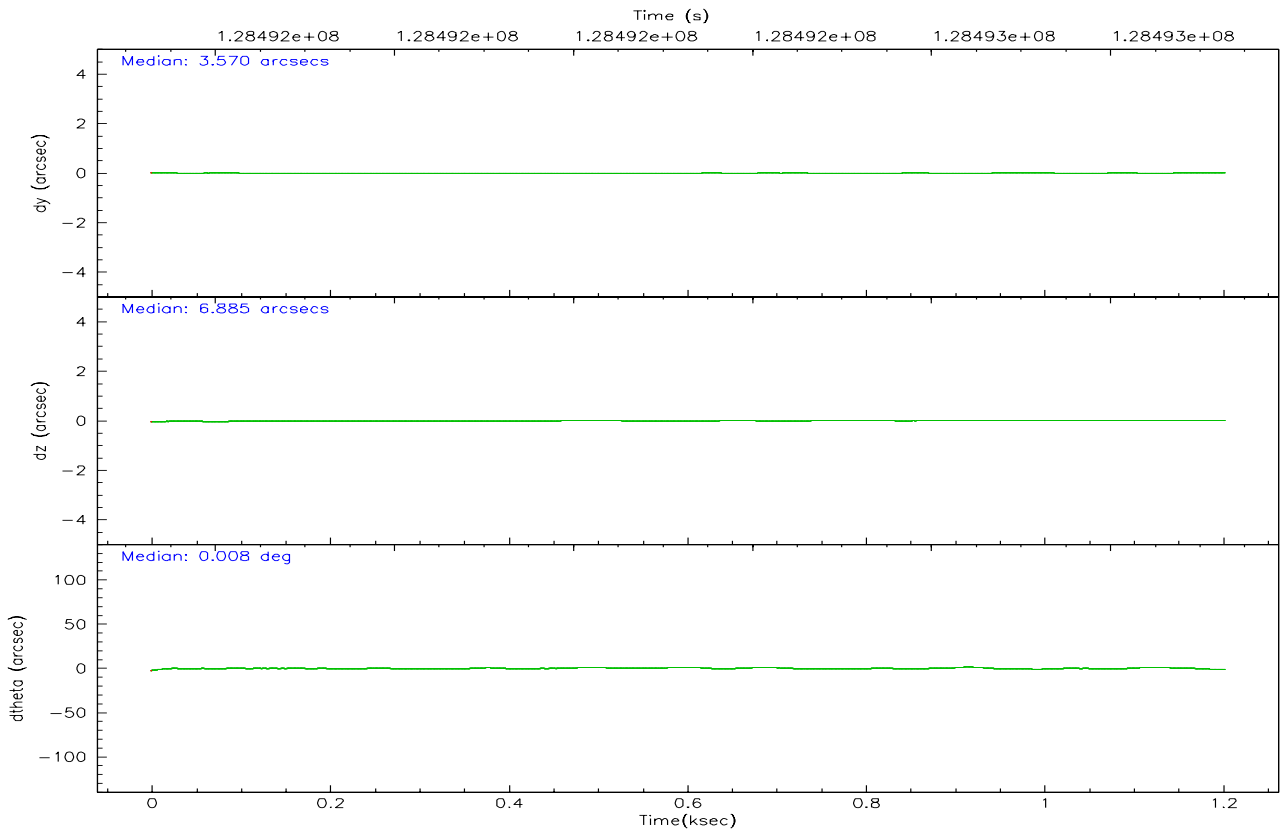
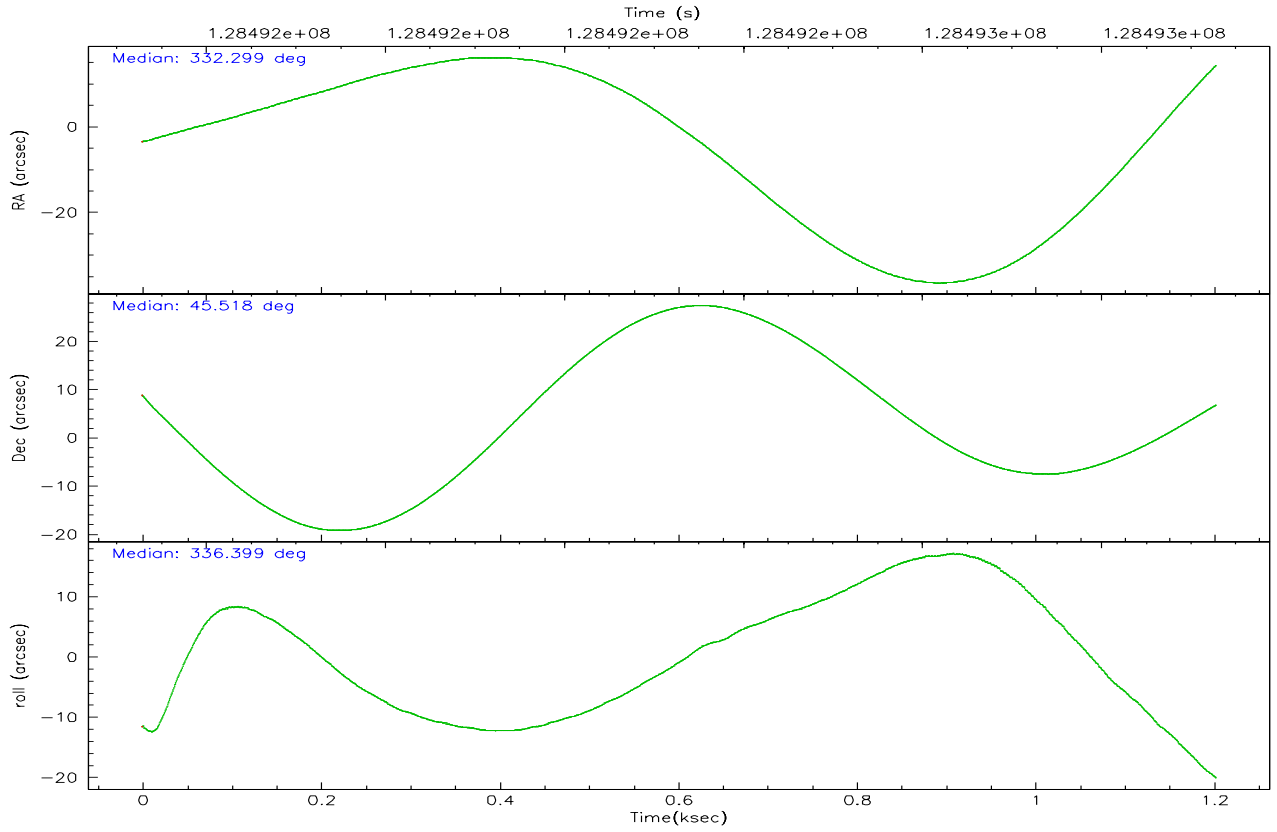
	<b>segment 0</b>
level 1 events	66100
rejected events	13472
rejected %	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.259572	332.2975178660259			
Pointing Dec	45.516409	45.51894319536878			
Pointing Roll	336.525170	336.402361498268			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	128491929.184000	128491553.31531			
Observation start date	2002-01-27T04:11:05	2002-01-27T04:05:53			
Observation end time	128492929.184000	128493063.65287			
Observation end date	2002-01-27T04:27:45	2002-01-27T04:31:03			

## 2.3 Aspect



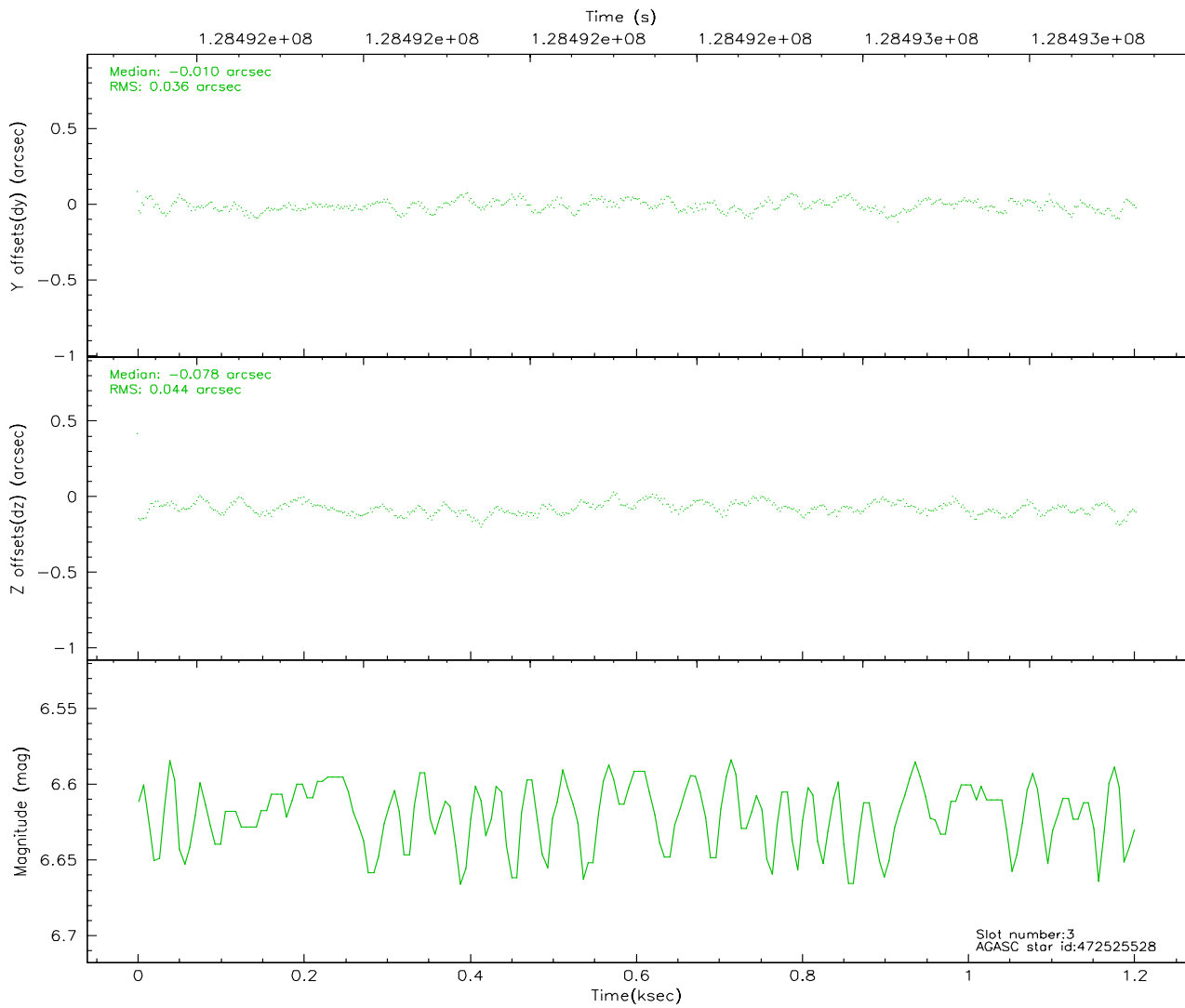
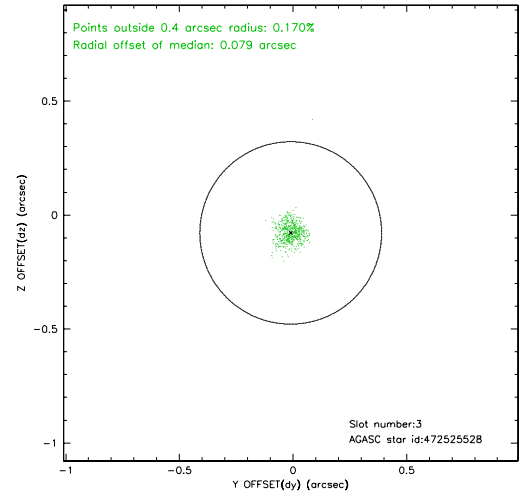
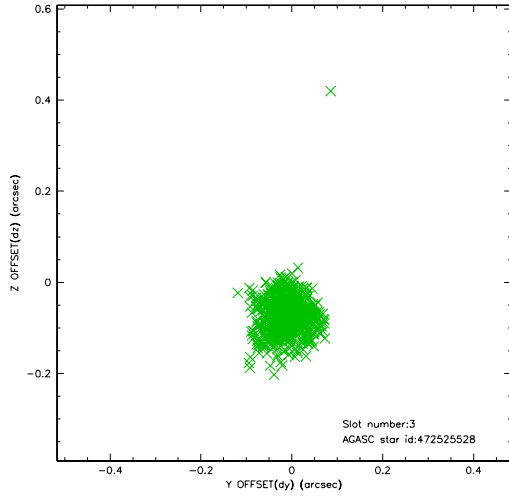


### Slot Statistics

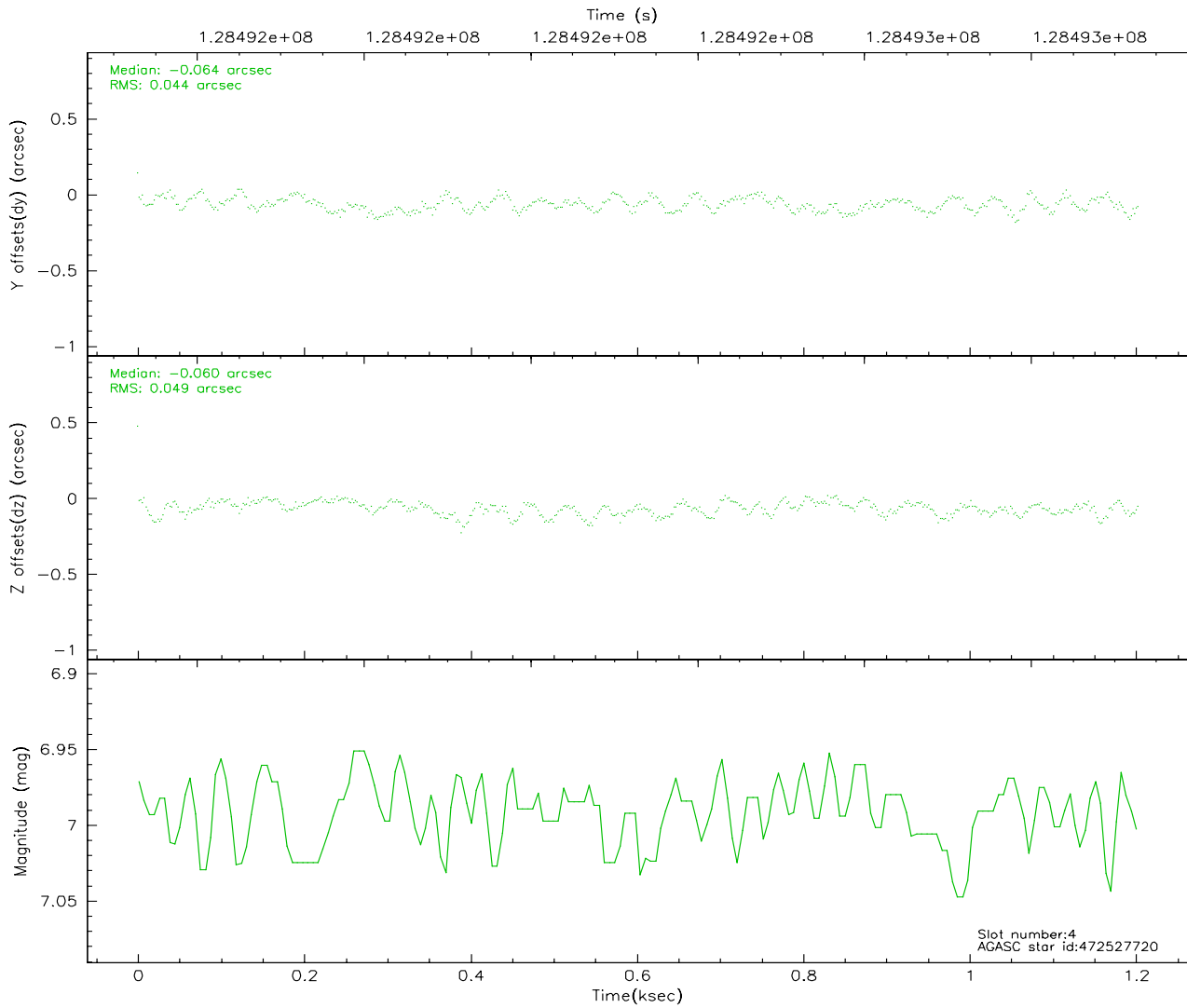
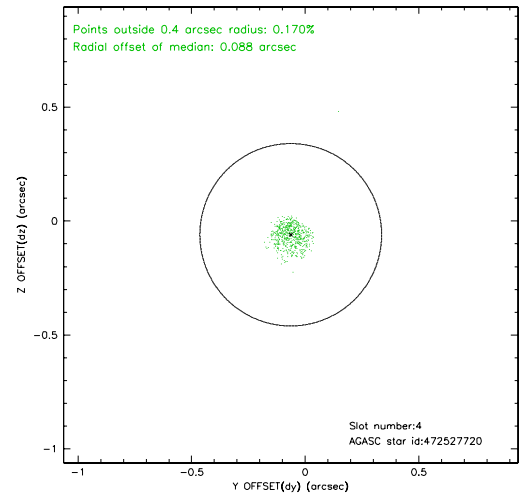
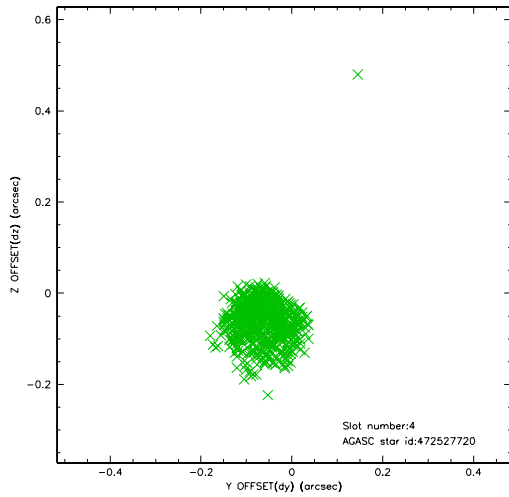
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.026	0.031	0.006	0.010	0.000000	0.000000	-759.01	-1294.76
1	FID	HRC-I-2	7.00	294	0.076	-0.070	0.005	0.009	0.000000	0.000000	851.09	-1300.81
2	FID	HRC-I-3	7.04	294	0.017	-0.051	0.005	0.010	0.000000	0.000000	-1184.65	1005.30
3	GUIDE	472525528	6.62	588	-0.010	-0.078	0.057	0.087	331.551102	45.248694	-1266.53	-1588.75
4	GUIDE	472527720	6.99	588	-0.064	-0.060	0.068	0.099	331.460205	45.112509	-1290.06	-2132.85
5	GUIDE	472523760	8.23	588	-0.075	-0.080	0.063	0.110	331.645363	45.403260	-1266.67	-986.97
6	GUIDE	420754040	9.07	588	-0.060	0.082	0.101	0.158	331.917939	44.882543	106.69	-2436.47
7	GUIDE	472646552	9.63	584	0.205	0.138	0.115	0.189	333.120915	45.571877	1906.80	1058.12

## 2.4 Star Slots

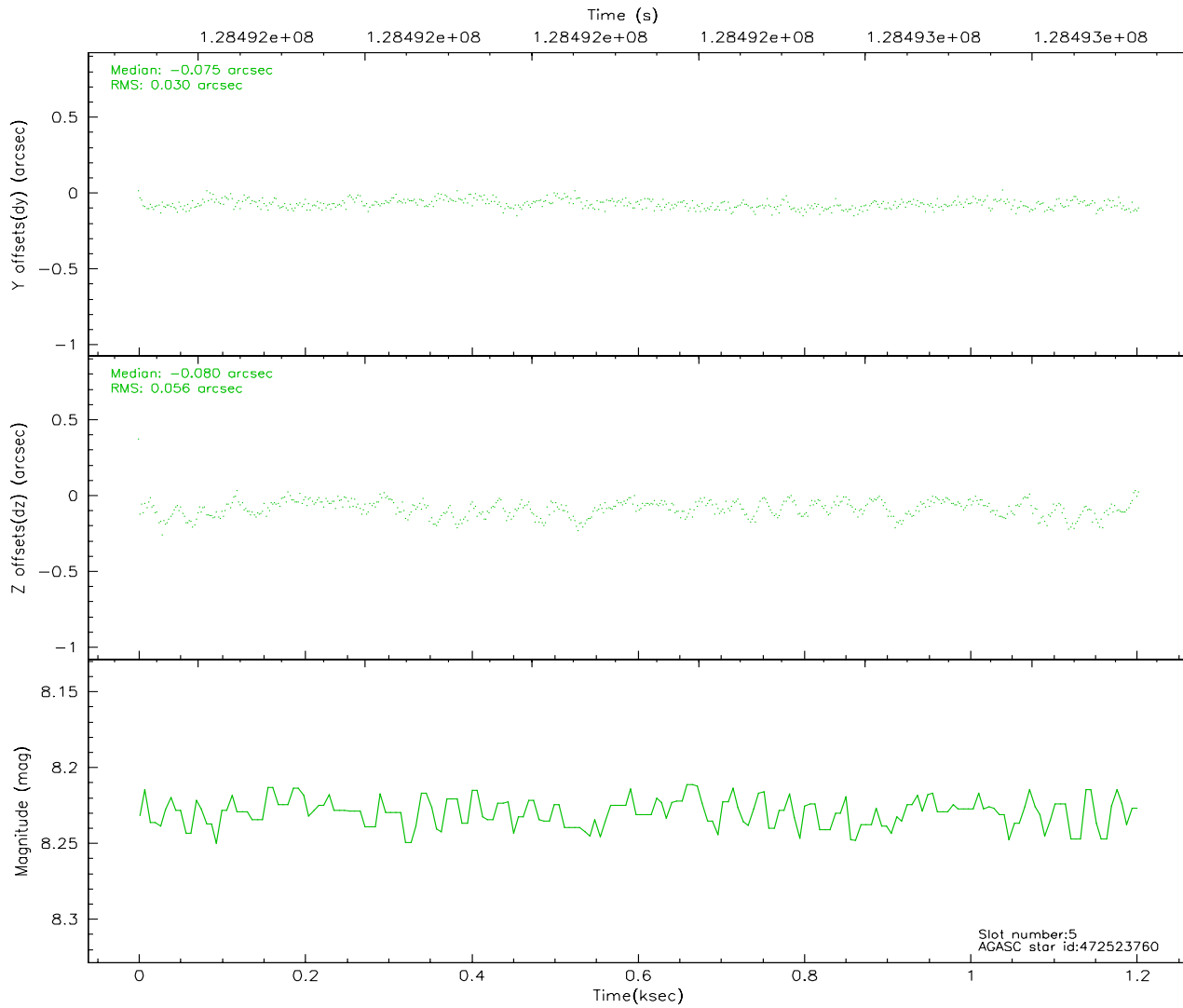
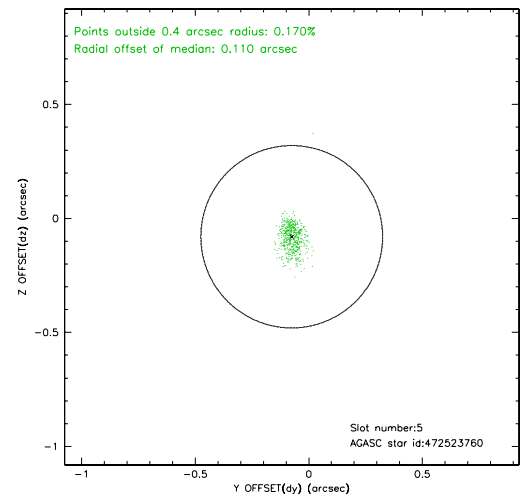
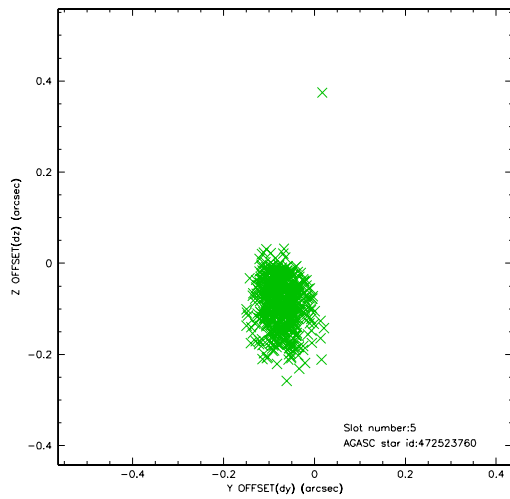
### 2.4.1 Slot 3



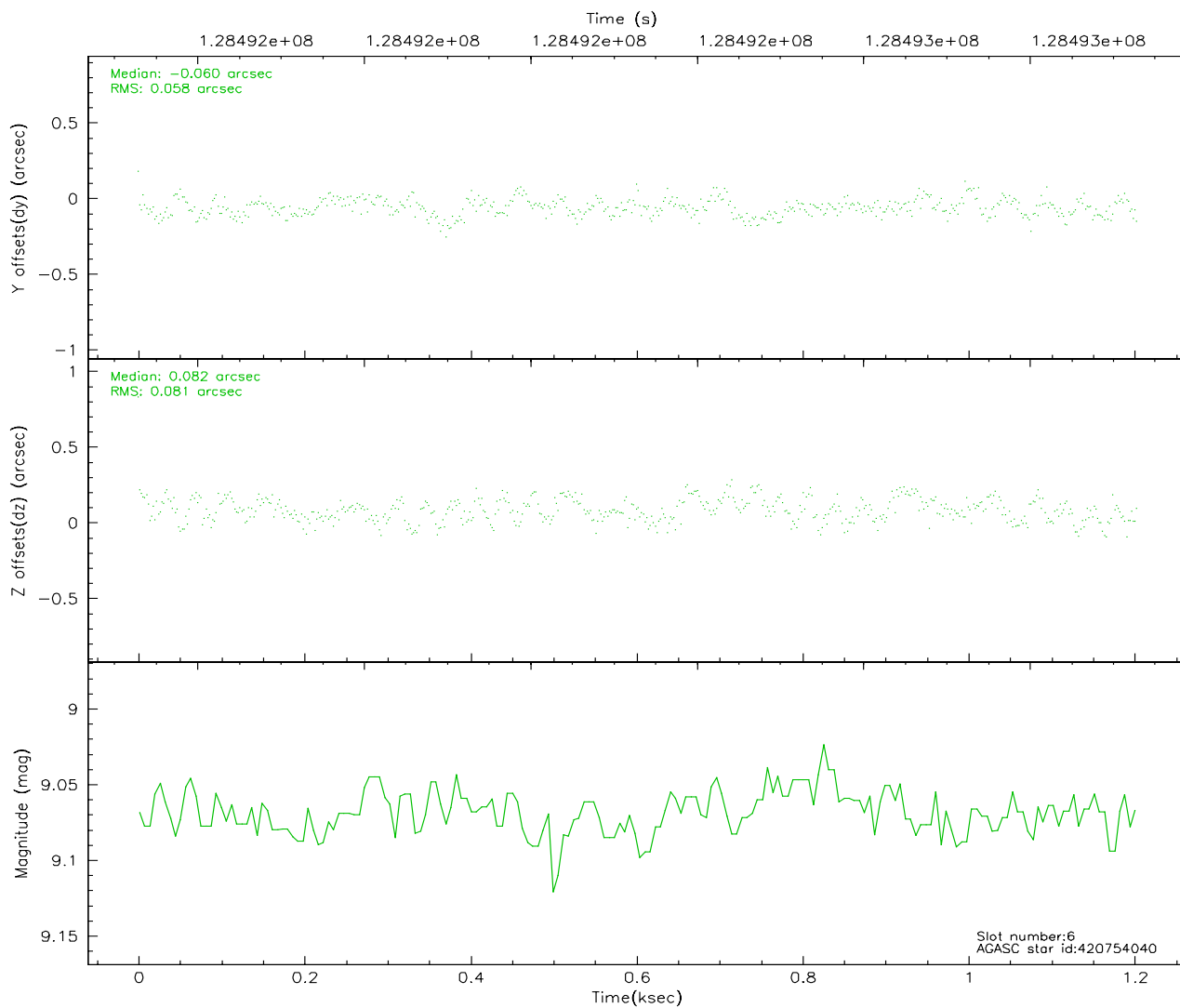
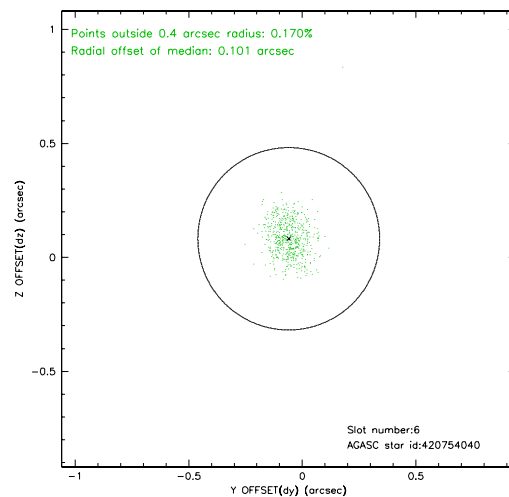
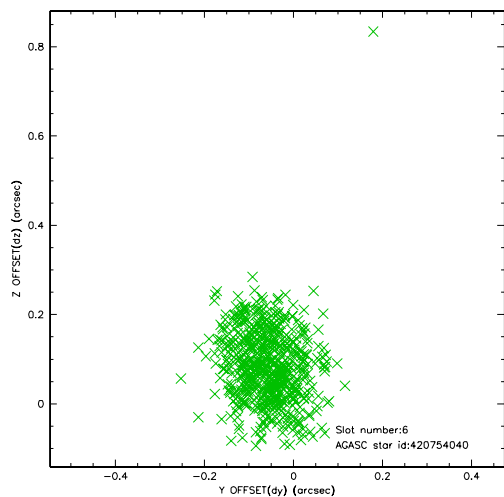
## 2.4.2 Slot 4



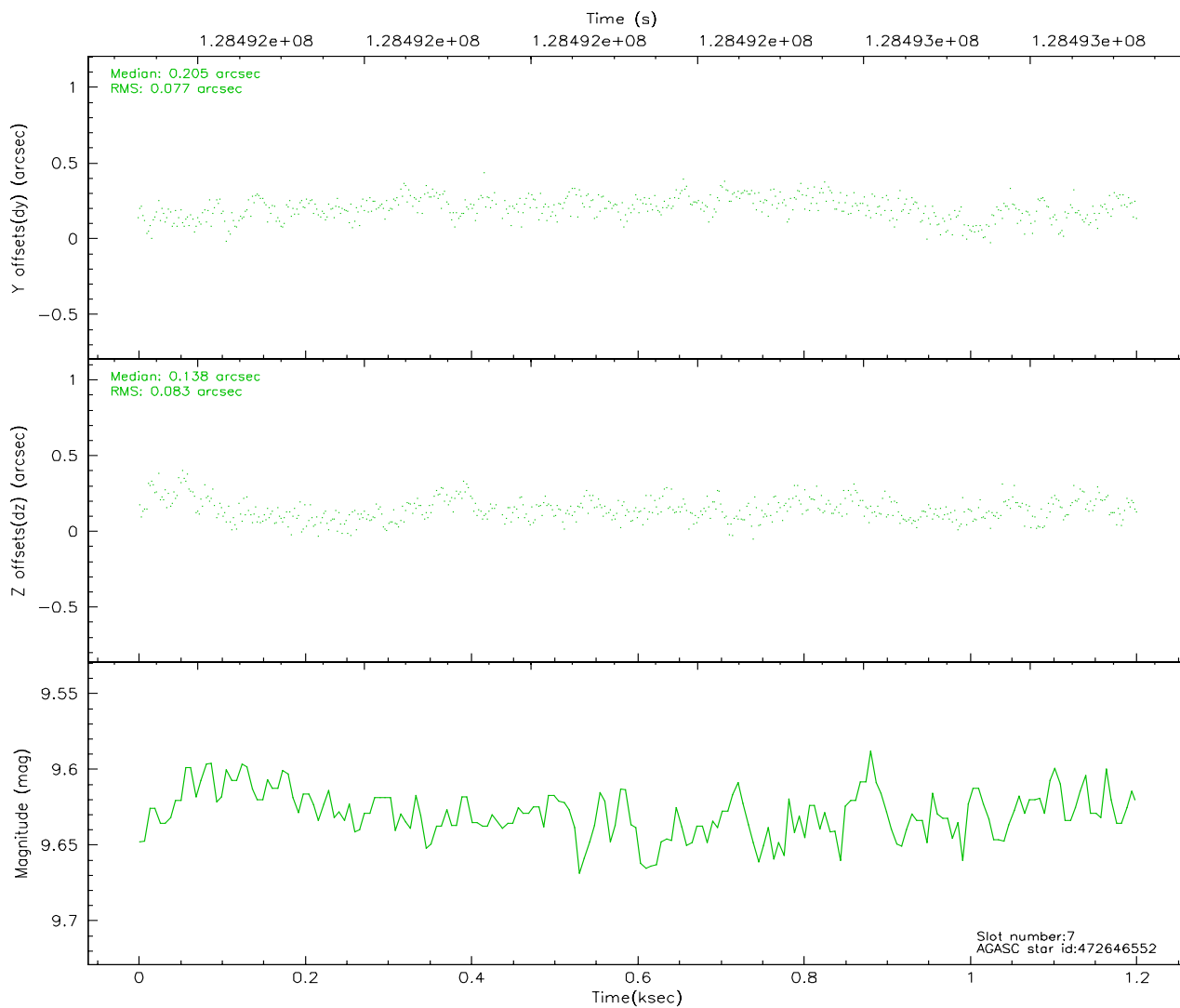
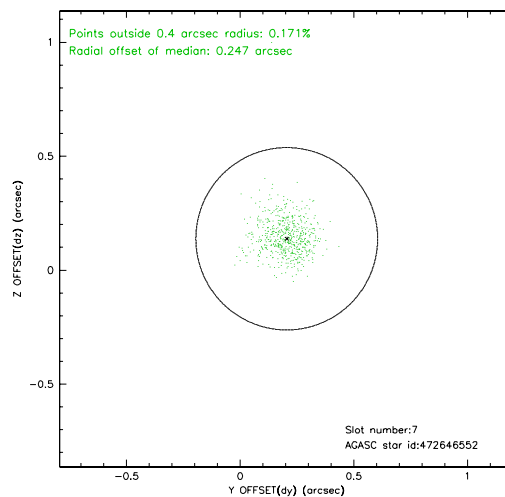
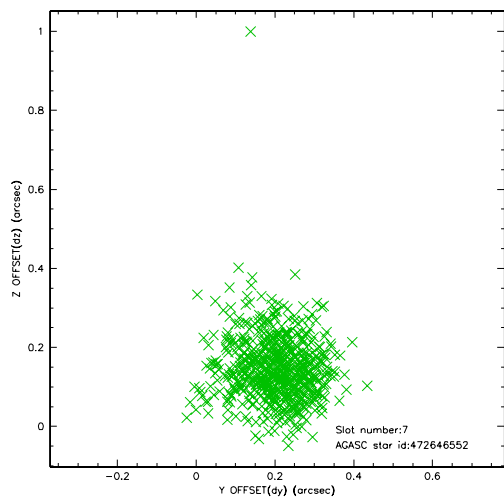
### 2.4.3 Slot 5



## 2.4.4 Slot 6

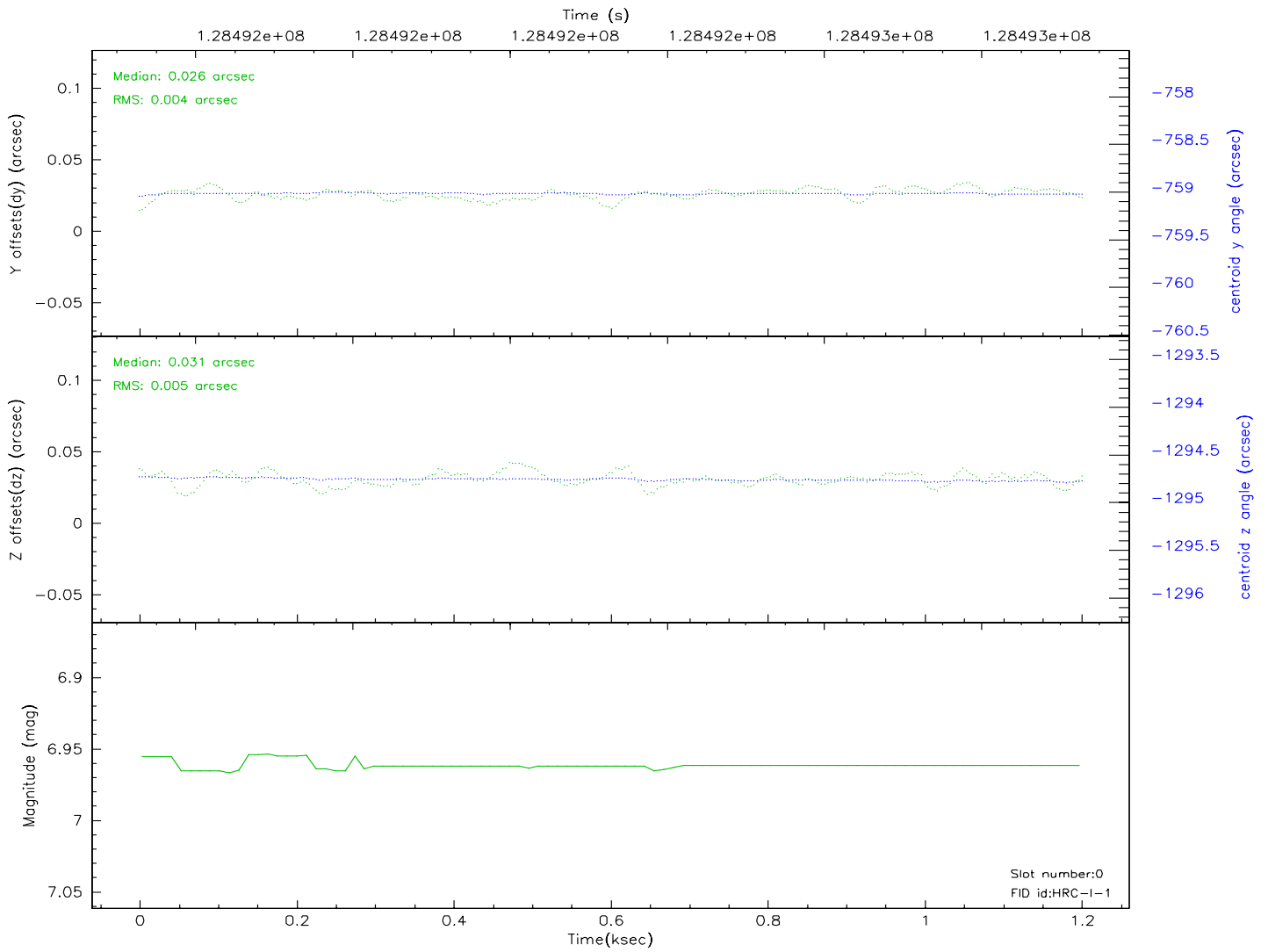
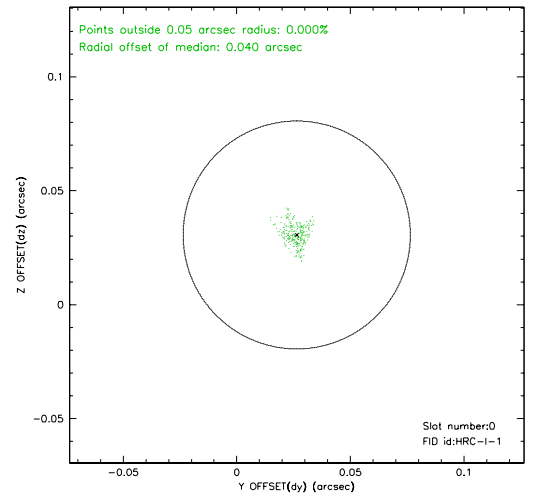
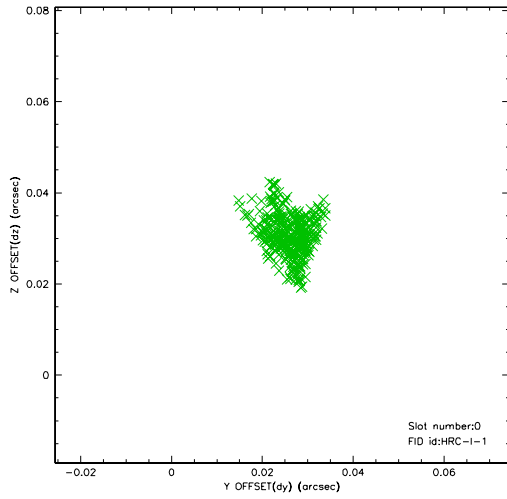


## 2.4.5 Slot 7

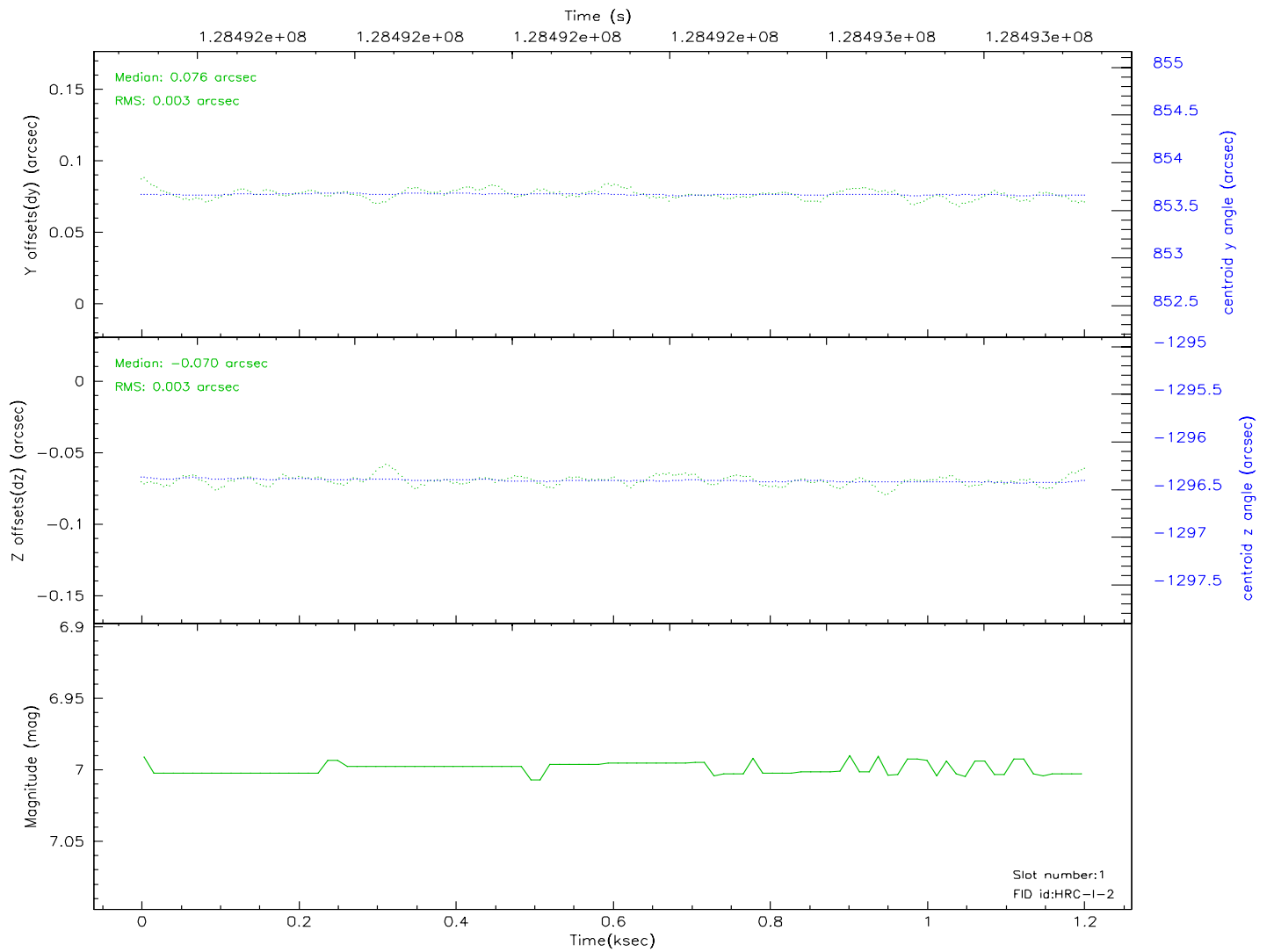
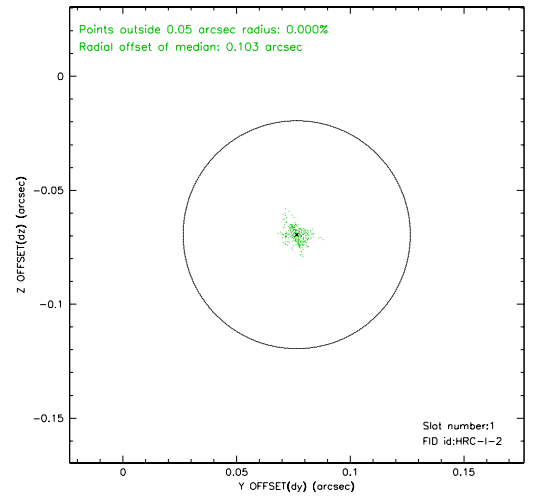
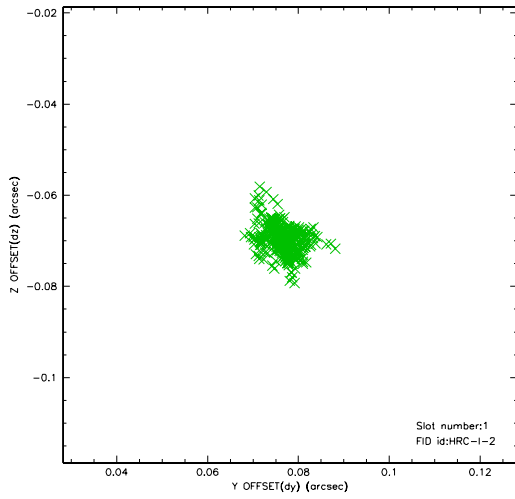


## 2.5 FID Slots

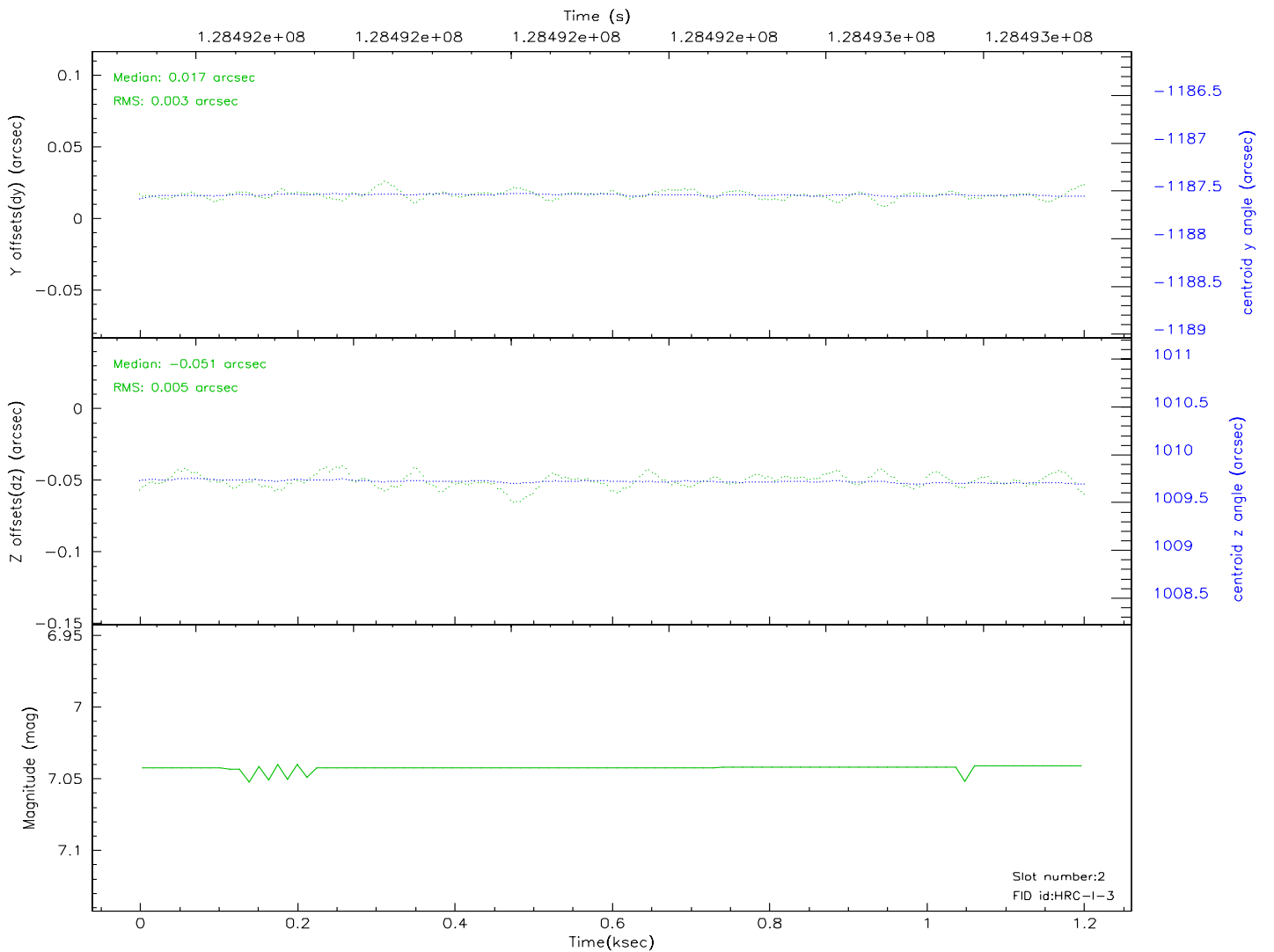
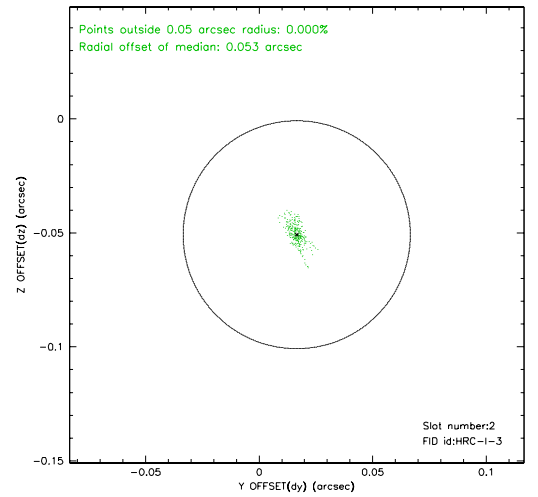
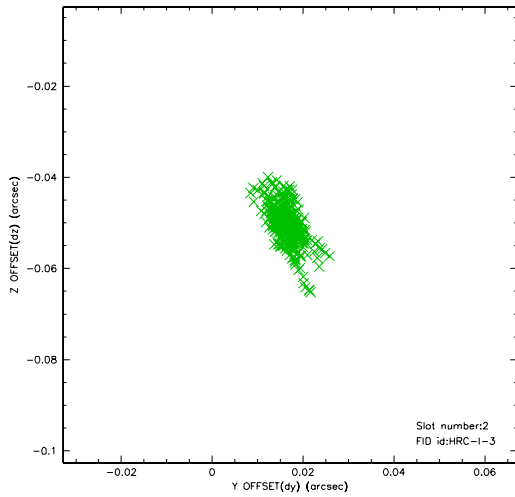
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

5.87 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

## A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIc web page at

<http://asc.harvard.edu/cda/repro3.html#IIIc>

and the associated links.