

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5077 - L2 Version 3  
Chandra X-Ray Center

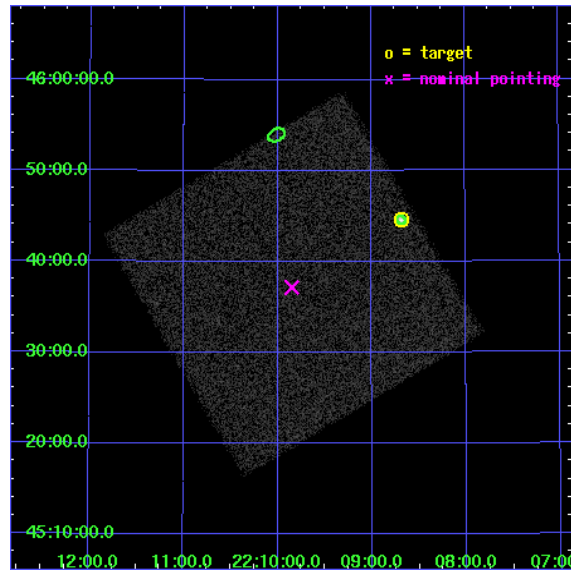
L2 Processing Date : Nov 23 2007

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# 1 Front

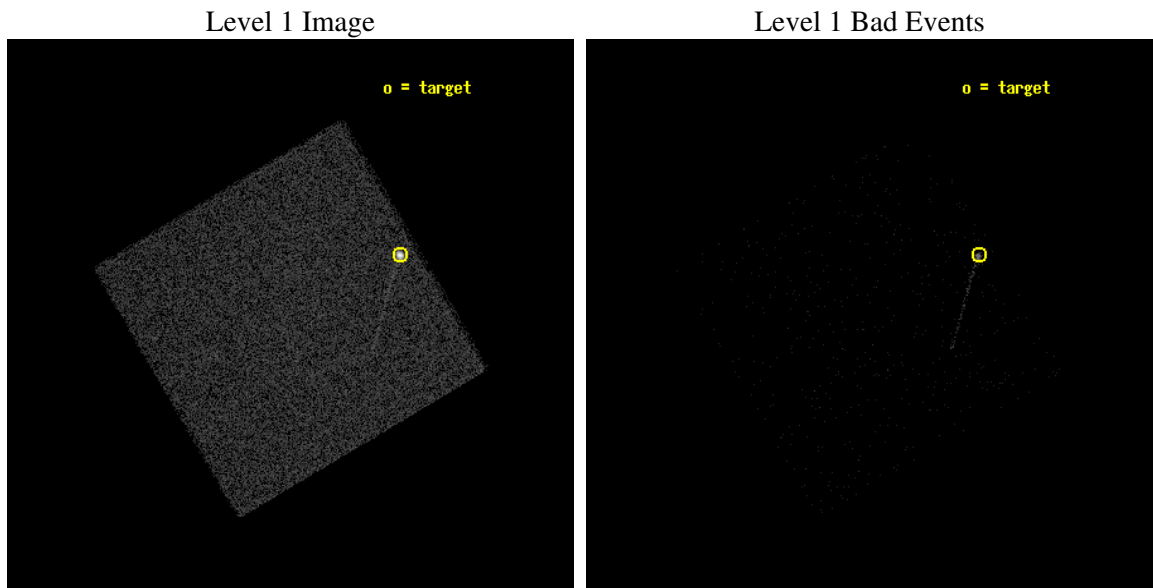
seq_num	290350
obs_id	5077
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.46207764205
dec_nom	45.619462495828
roll_nom	284.46656408753
revision	3
ontime	1089.8312989771
livetime	1079.6640387665
l2events	52167



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T03:14:04
revision	3

sched_exp_time	900.000000
ontime	1089.8312989771
l1events	94634

### 2.1.3 Events

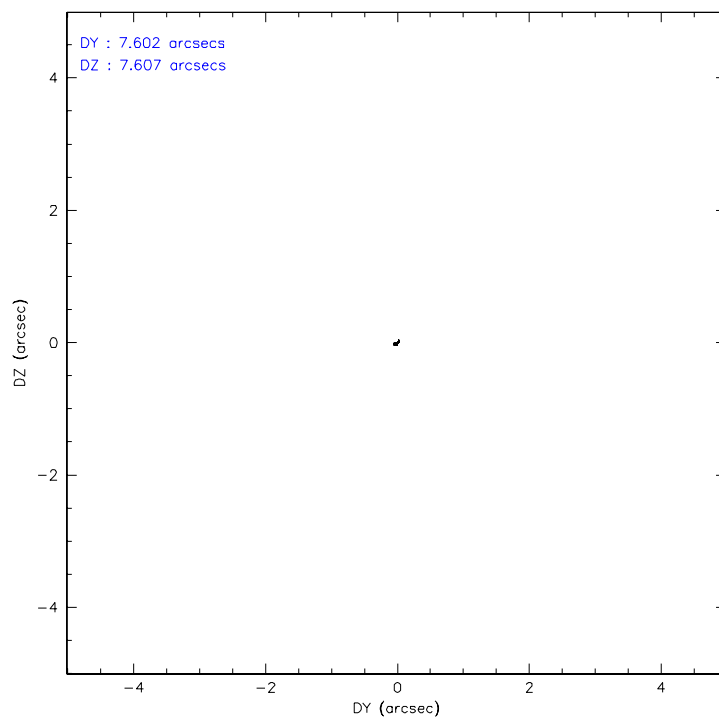
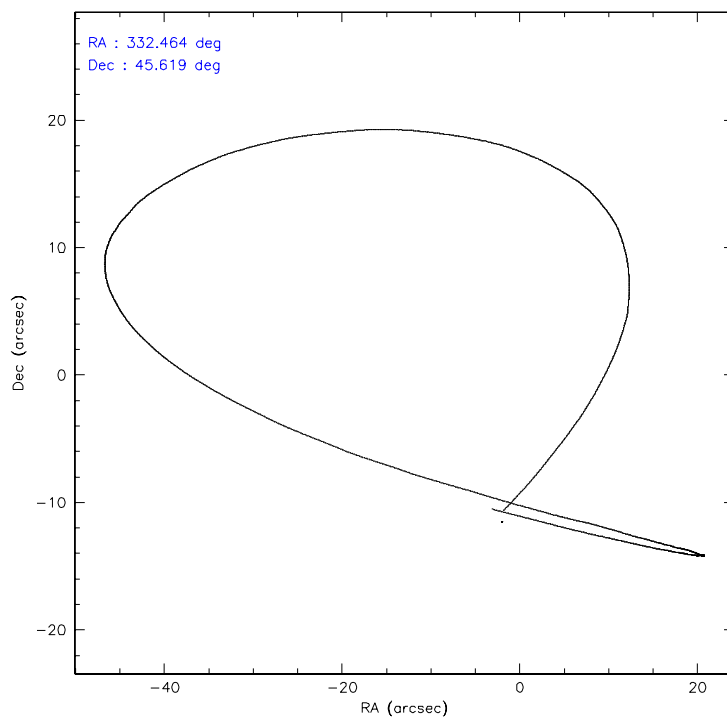
#### Level 1 Events

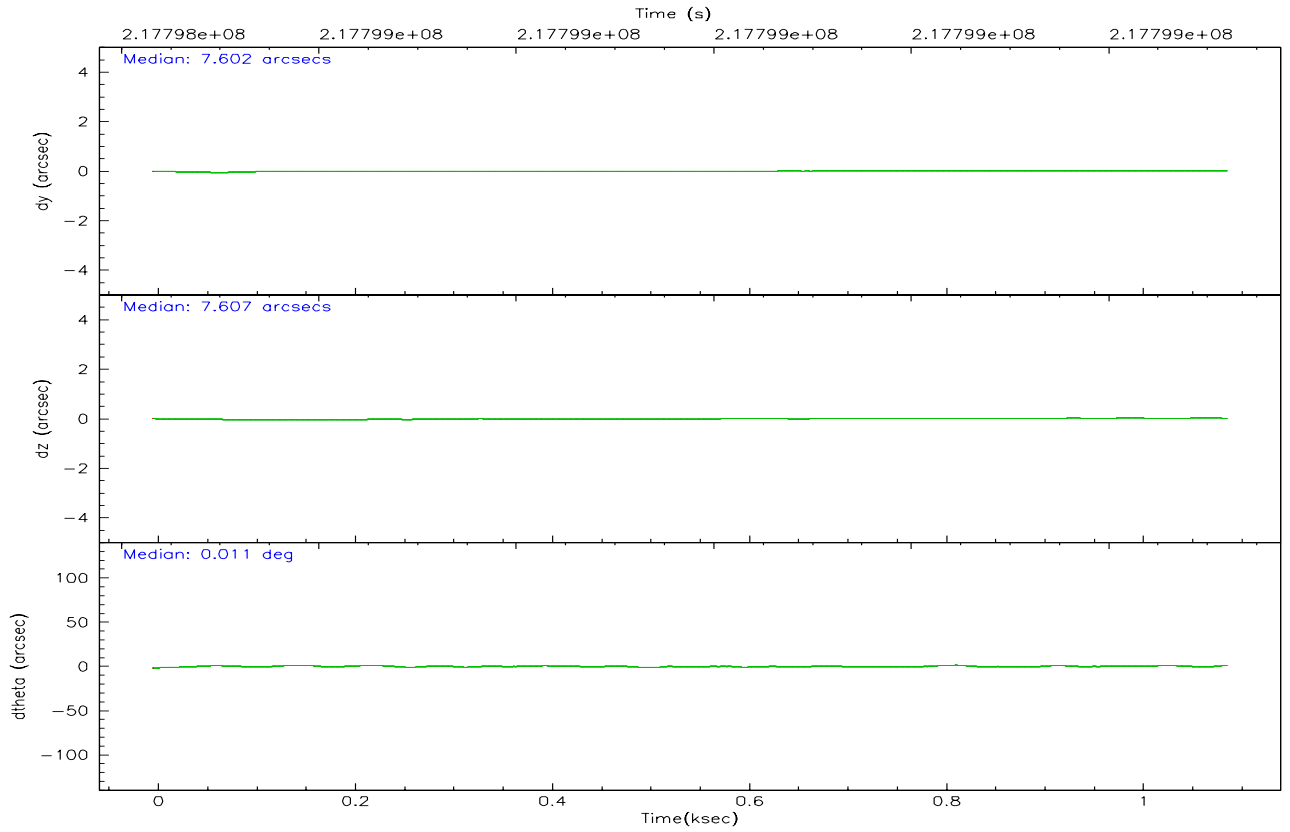
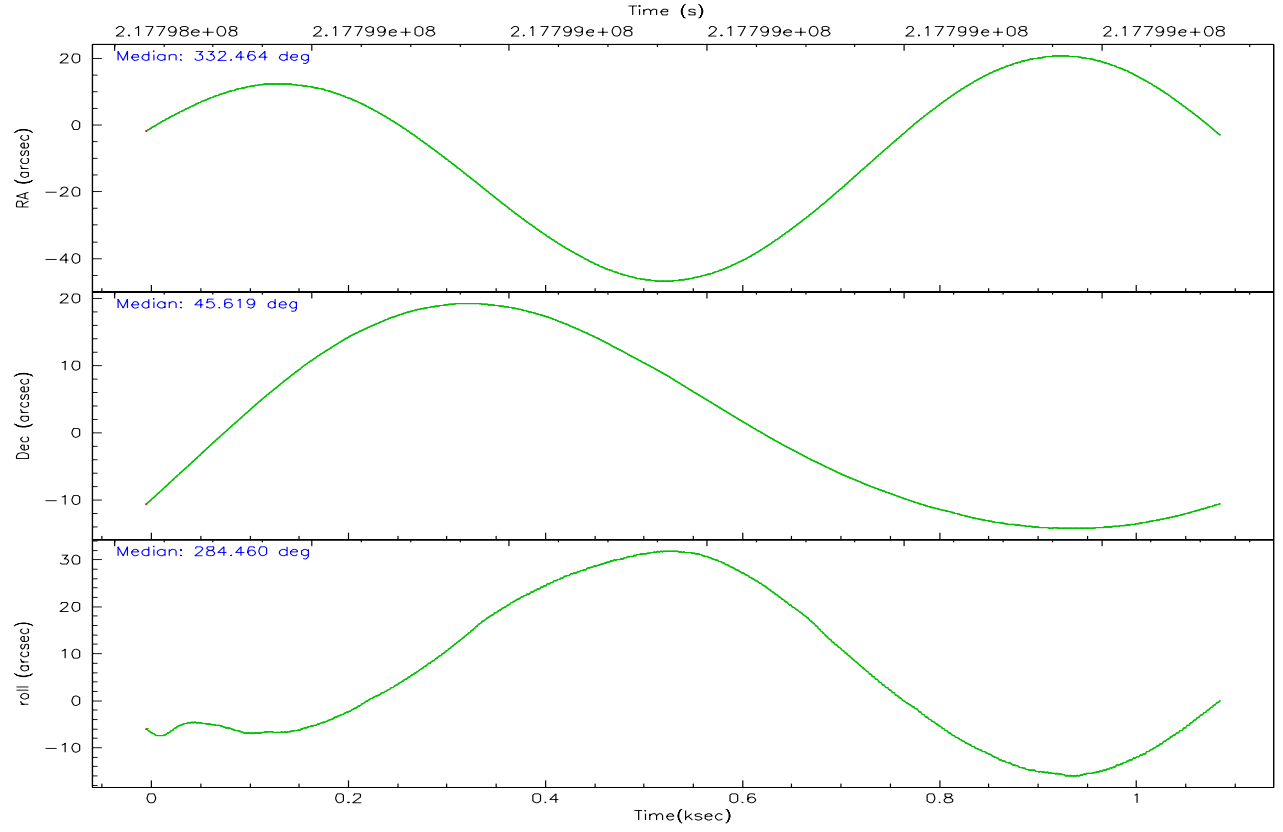
	<b>segment 0</b>
level 1 events	94634
rejected events	18724
rejected %	19%

## 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	332.432554	332.4620776420517			
Pointing Dec	45.638040	45.61946249582778			
Pointing Roll	284.583210	284.4665640875303			
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	217798617.184000	217798241.43378			
Observation start date	2004-11-25T19:35:53	2004-11-25T19:30:41			
Observation end time	217799517.184000	217799650.80885			
Observation end date	2004-11-25T19:50:53	2004-11-25T19:54:10			

## 2.3 Aspect





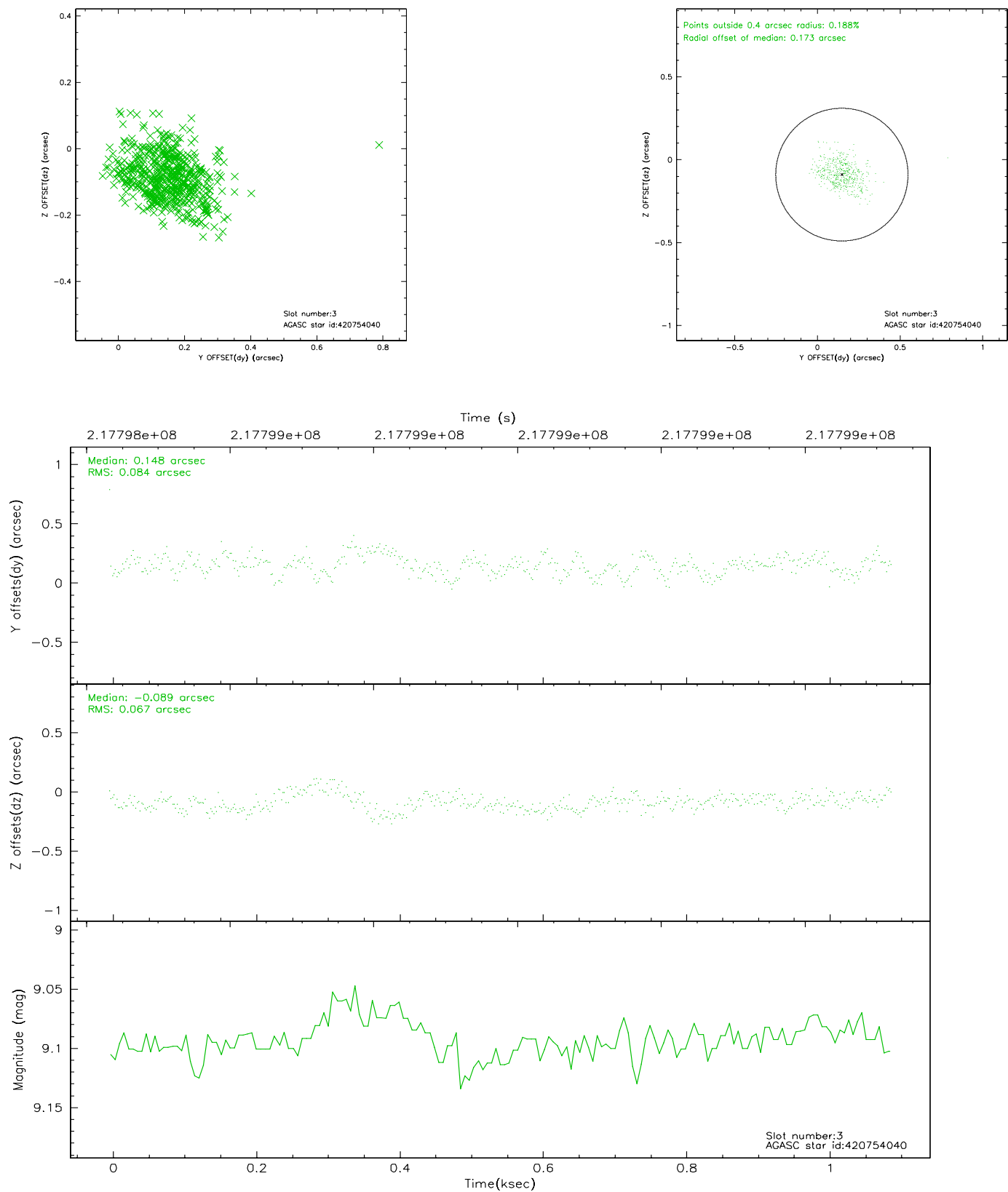
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	267	0.042	0.005	0.008	0.016	0.000000	0.000000	-763.22	-1295.48
1	FID	HRC-I-3	7.10	267	-0.067	-0.052	0.008	0.016	0.000000	0.000000	-1194.57	1004.19
2	FID	HRC-I-4	7.04	267	0.139	-0.041	0.006	0.011	0.000000	0.000000	1275.30	1010.31
3	GUIDE	420754040	9.09	532	0.148	-0.089	0.111	0.180	331.917939	44.882543	2298.35	-1957.92
4	GUIDE	472523760	8.24	533	-0.117	-0.070	0.079	0.131	331.645363	45.403260	312.40	-2144.10
5	GUIDE	472654568	9.45	533	0.113	0.050	0.097	0.152	332.194449	45.063576	1849.38	-1114.67
6	GUIDE	472655152	9.43	533	-0.064	-0.026	0.116	0.196	332.504239	45.862991	-734.69	371.29
7	GUIDE	472659832	9.46	532	-0.084	0.126	0.098	0.165	332.780399	46.098139	-1387.31	1254.22

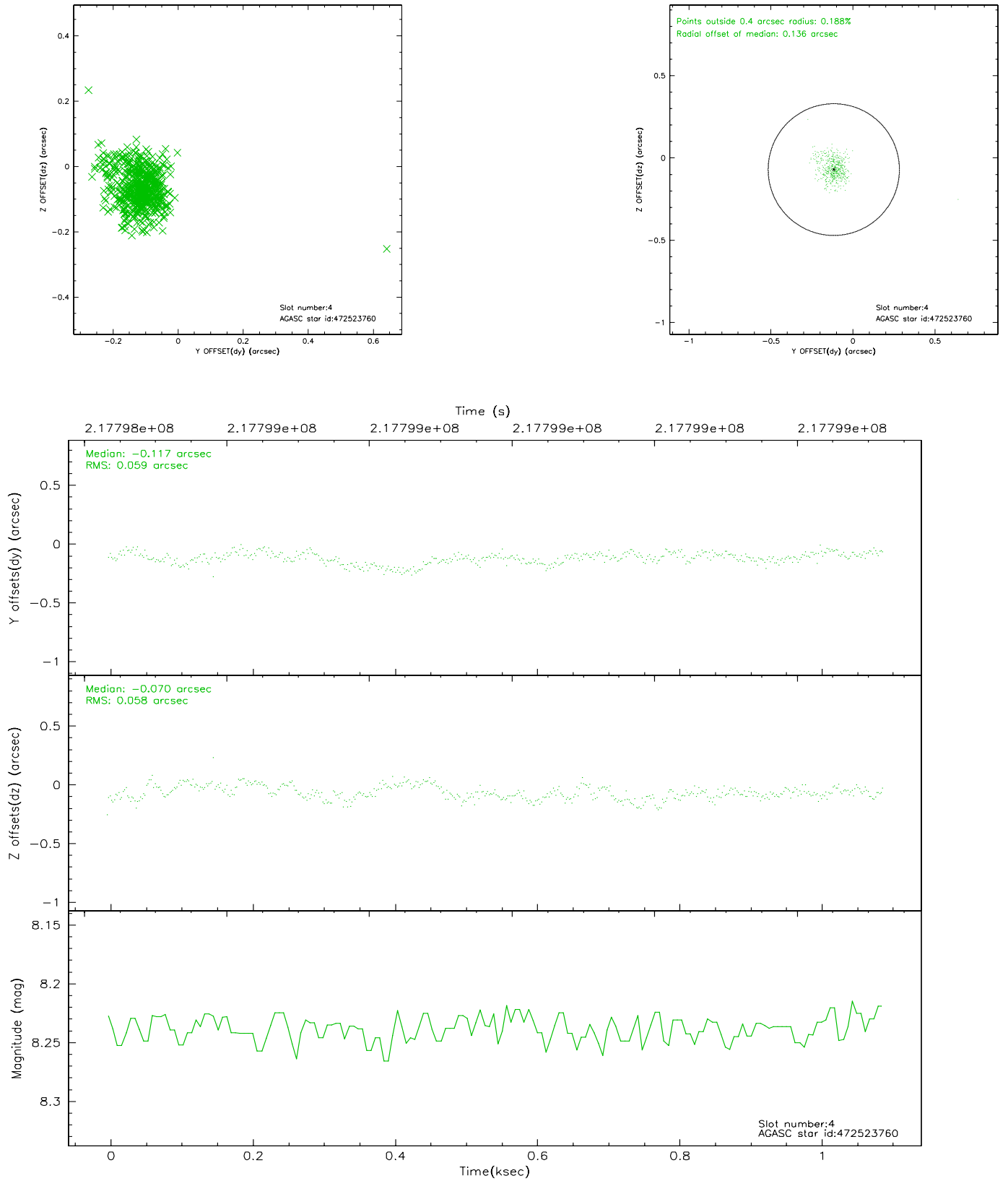


## 2.4 Star Slots

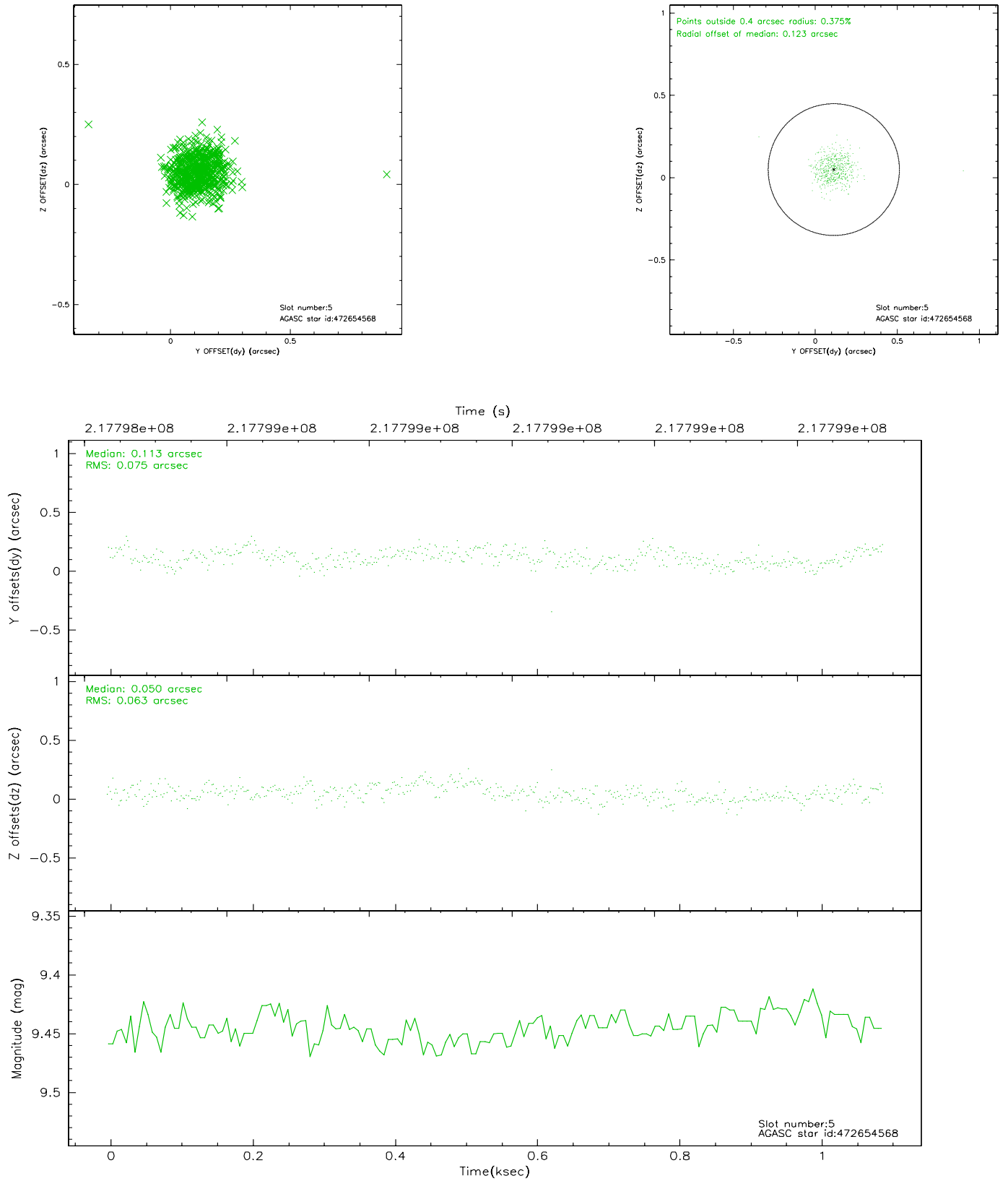
### 2.4.1 Slot 3



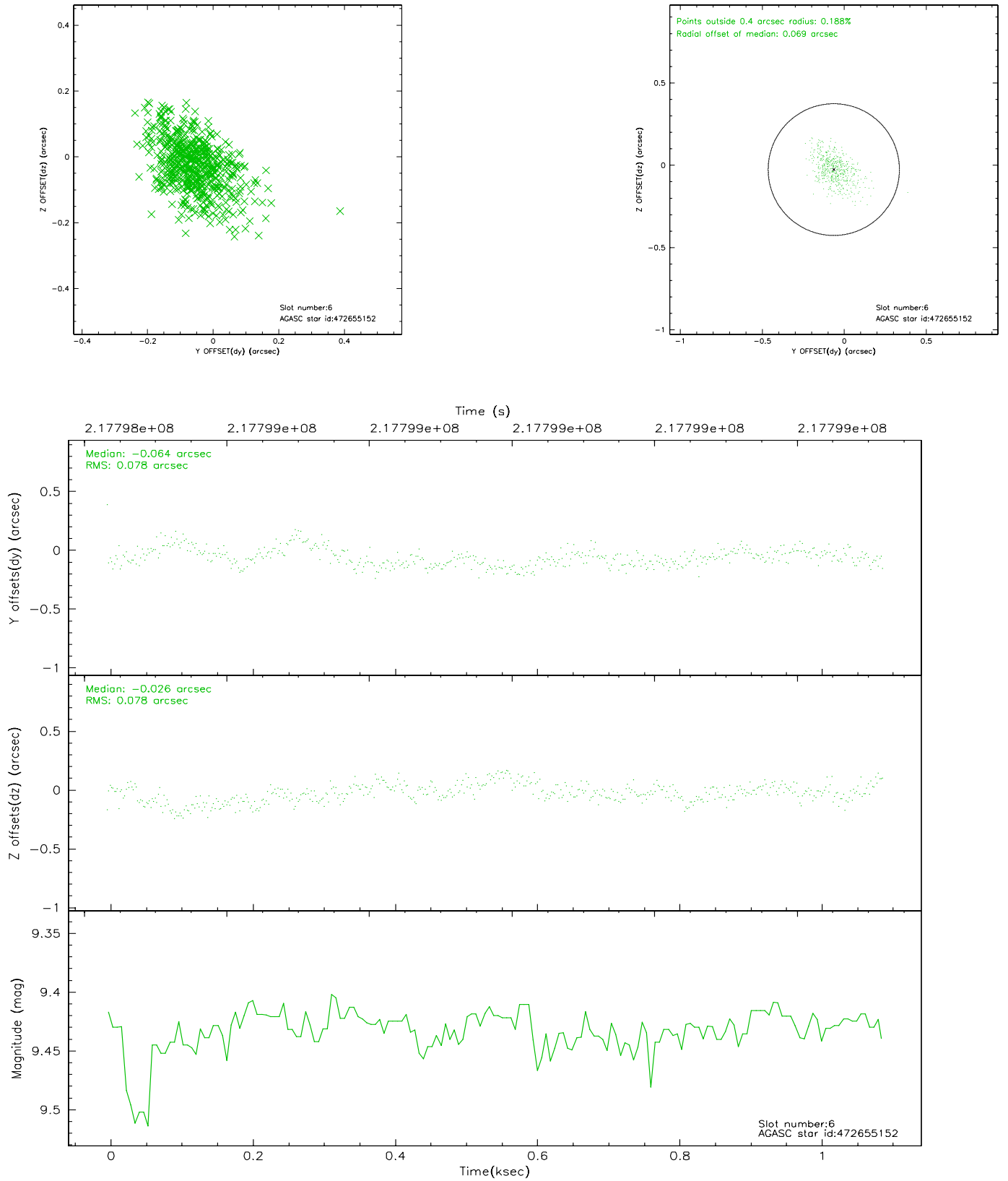
## 2.4.2 Slot 4



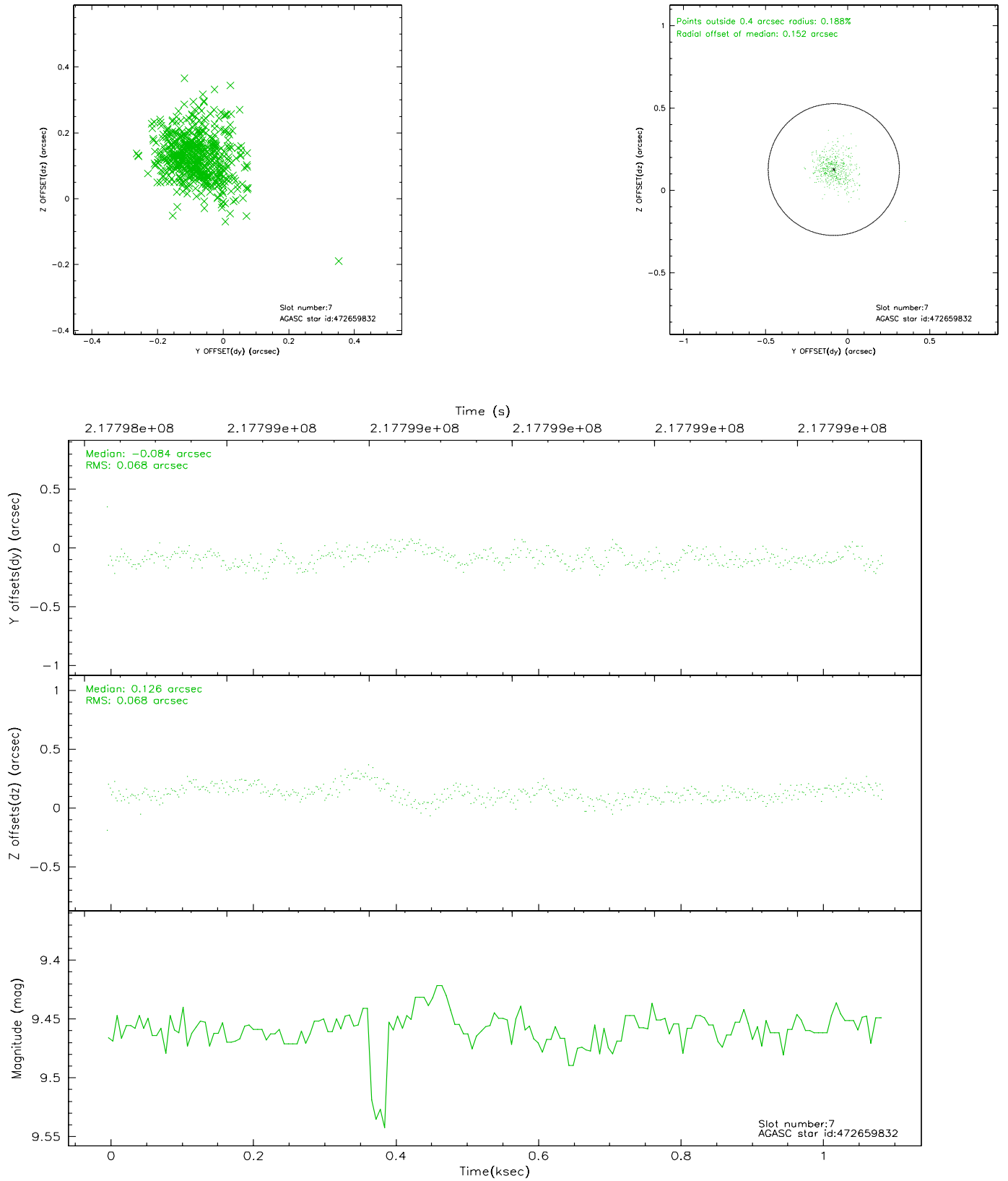
### 2.4.3 Slot 5



## 2.4.4 Slot 6

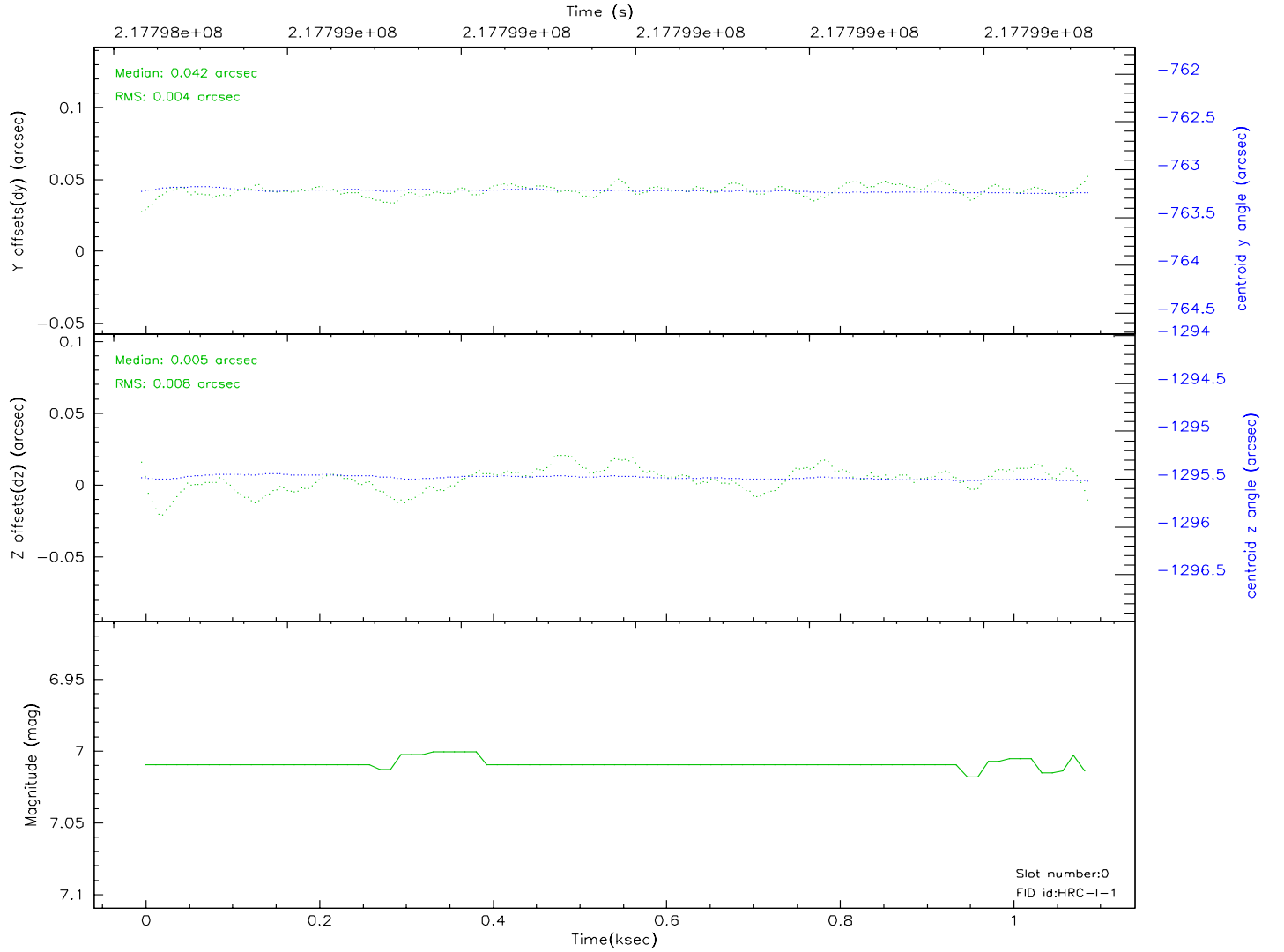
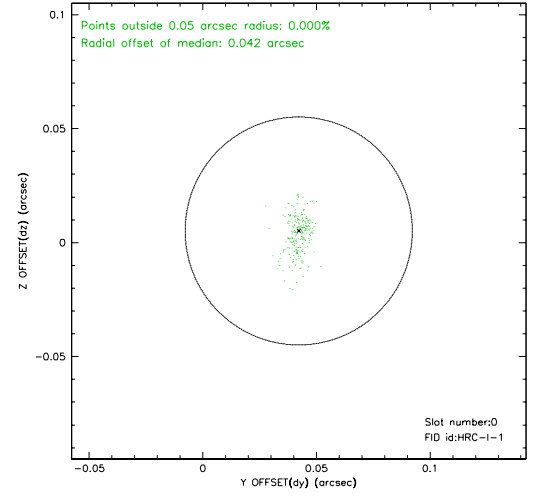
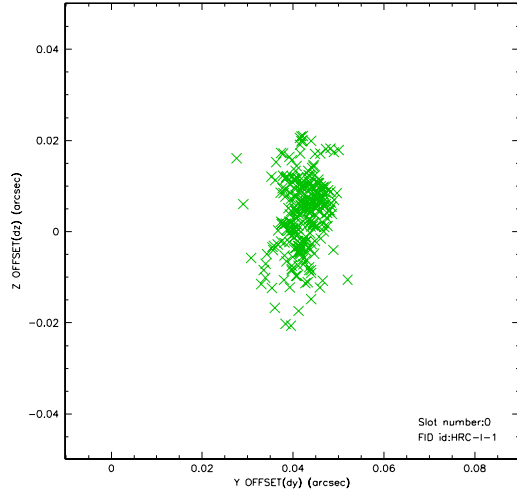


## 2.4.5 Slot 7

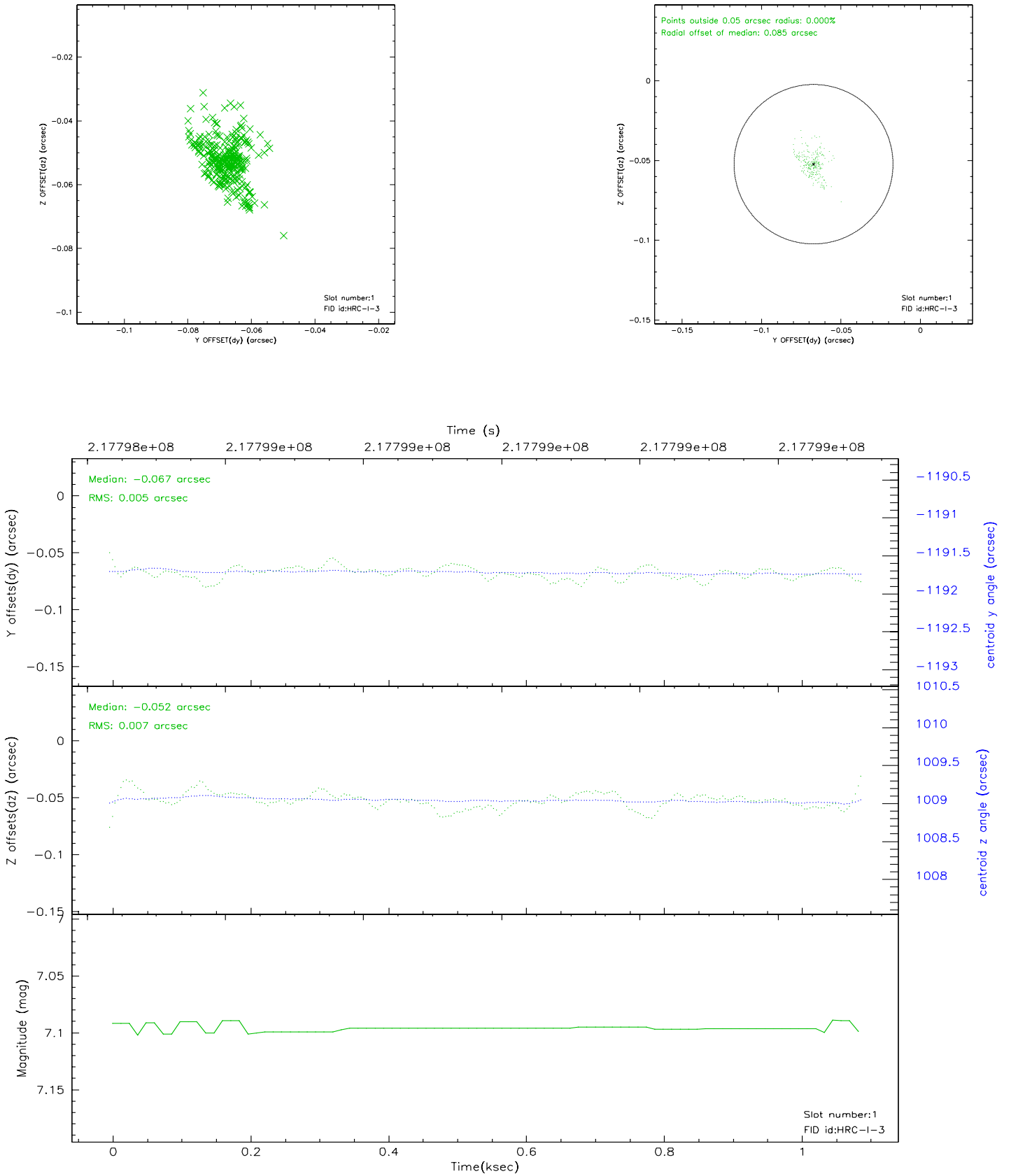


## 2.5 FID Slots

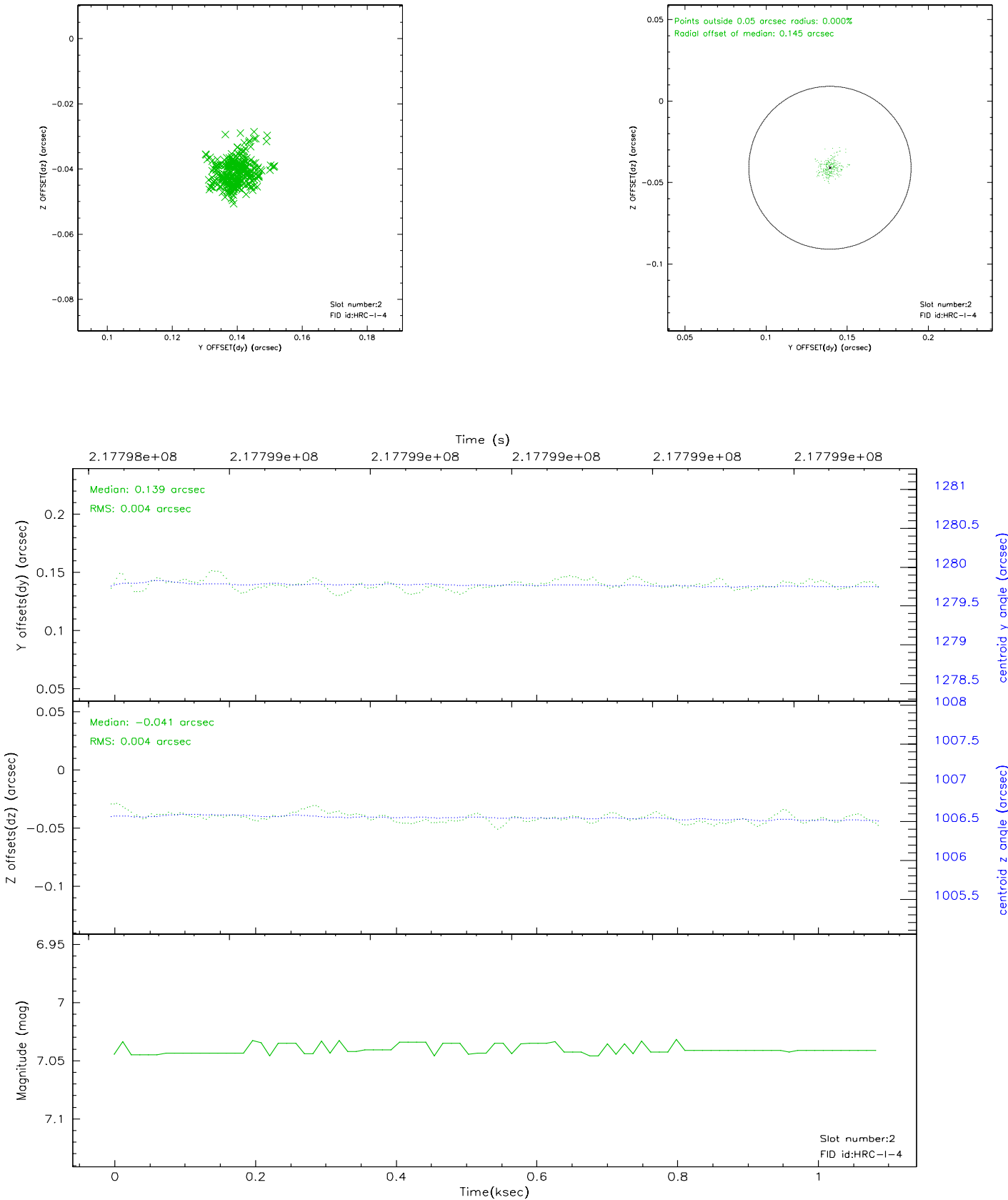
### 2.5.1 Slot 0



## 2.5.2 Slot 1

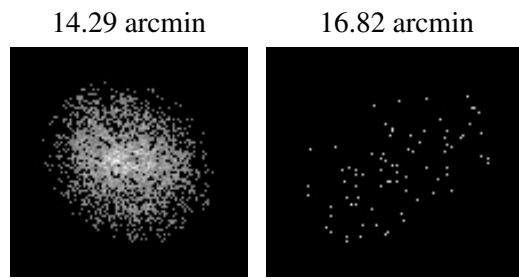


2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.089831

## 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.