

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4320 - L2 Version 001  
Chandra X-Ray Center

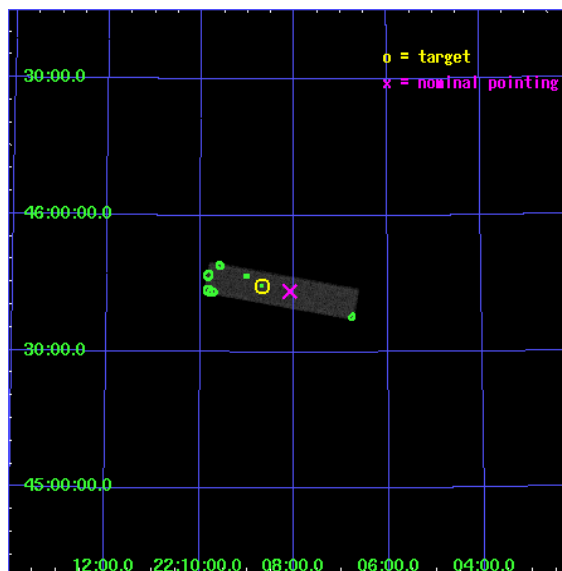
L2 Processing Date : Jul 7 2006

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# 1 Front

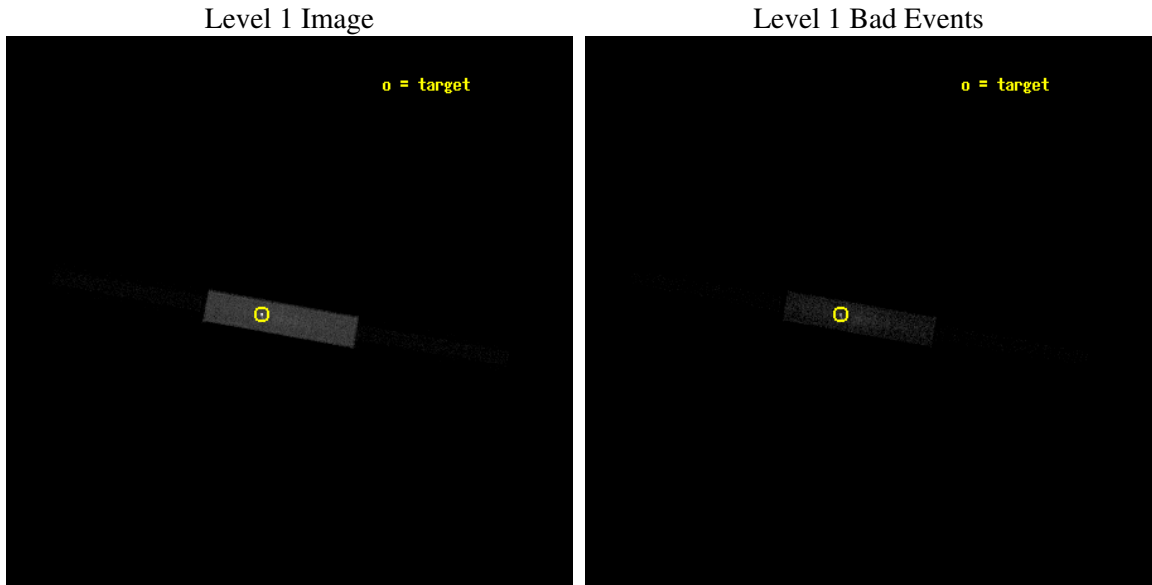
seq_num	290280
obs_id	4320
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.02296249625
dec_nom	45.723299546252
roll_nom	190.06799169608
revision	2
ontime	1141.0812988579
livetime	1135.2442100162
l2events	39319



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-07T21:06:45
revision	2

sched_exp_time	1000.000000
ontime	1189.0000509322
l1events	68453

### 2.1.3 Events

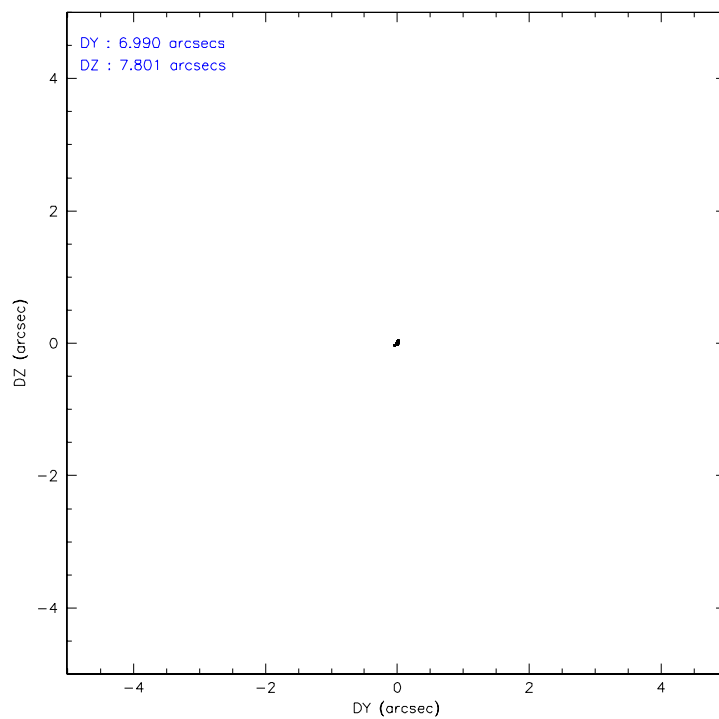
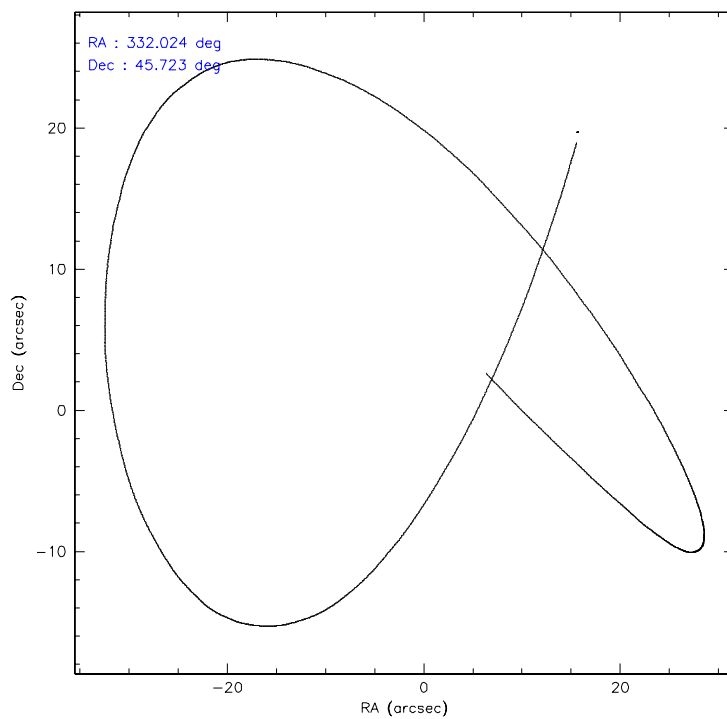
#### Level 1 Events

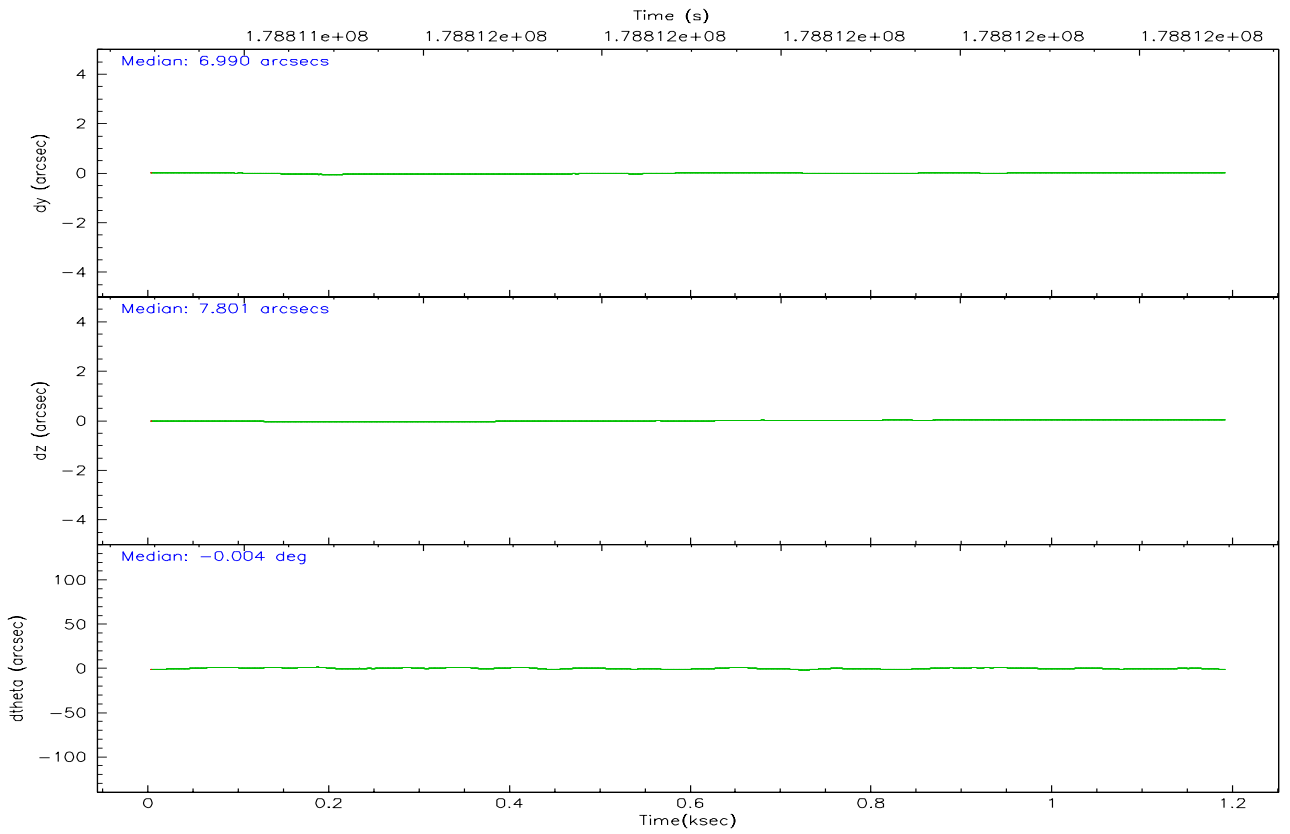
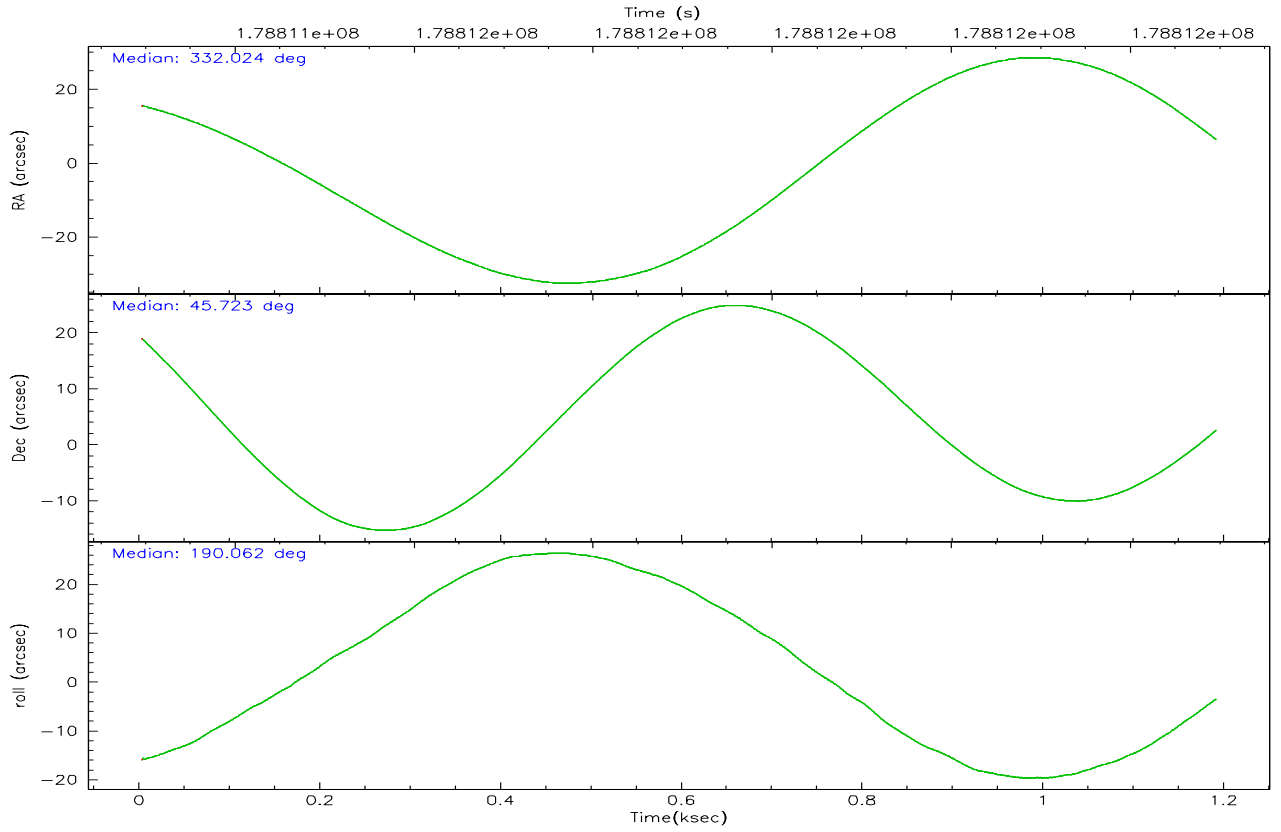
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1033	66427	993
rejected events	1033	24281	993
rejected %	100%	36%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	332.052265	332.0229624962485			
Pointing Dec	45.743808	45.7232995462517			
Pointing Roll	189.979696	190.0679916960771			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	178811488.184000	178811112.17011			
Observation start date	2003-09-01T13:50:24	2003-09-01T13:45:12			
Observation end time	178812488.184000	178812623.02017			
Observation end date	2003-09-01T14:07:04	2003-09-01T14:10:23			

## 2.3 Aspect



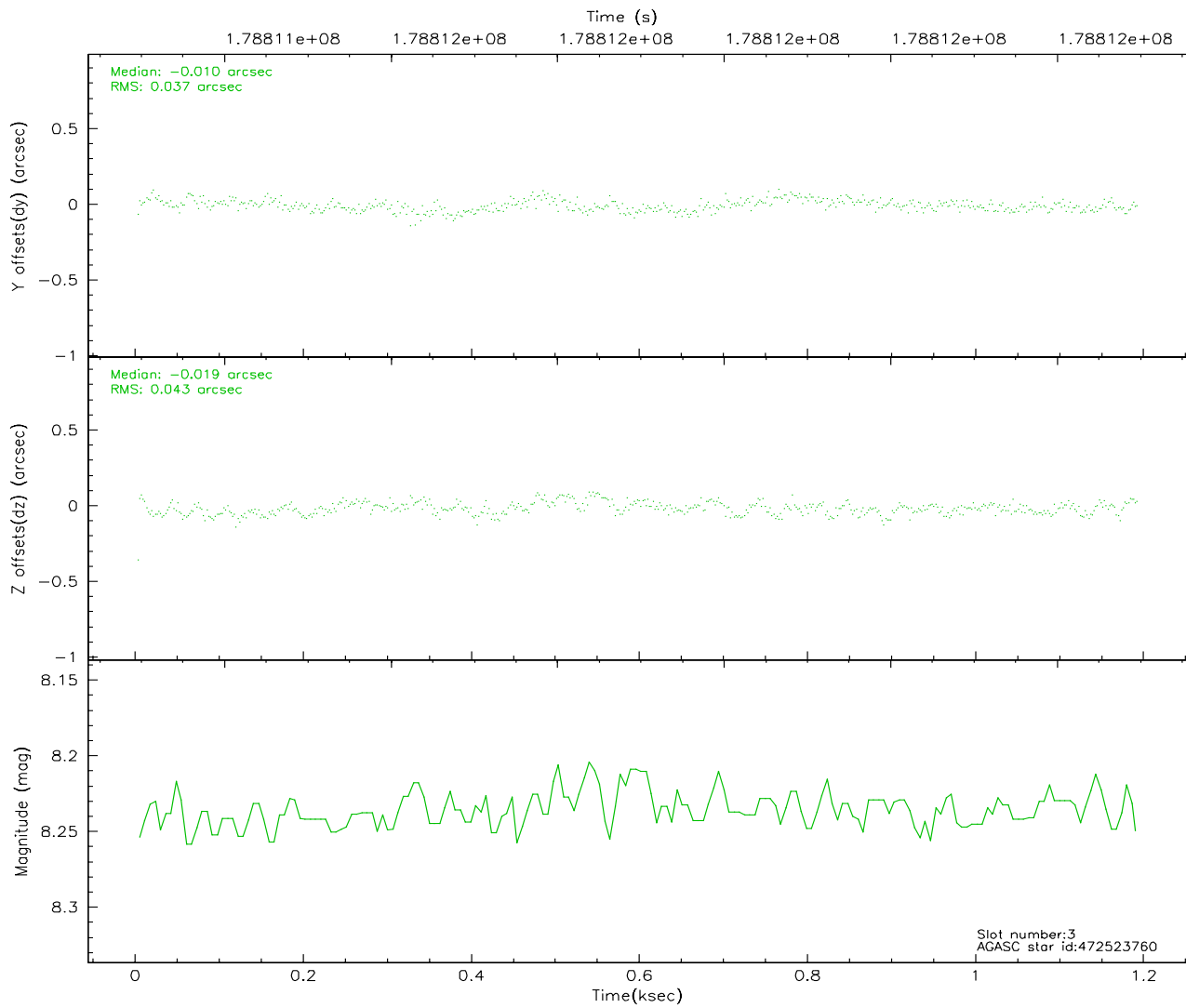
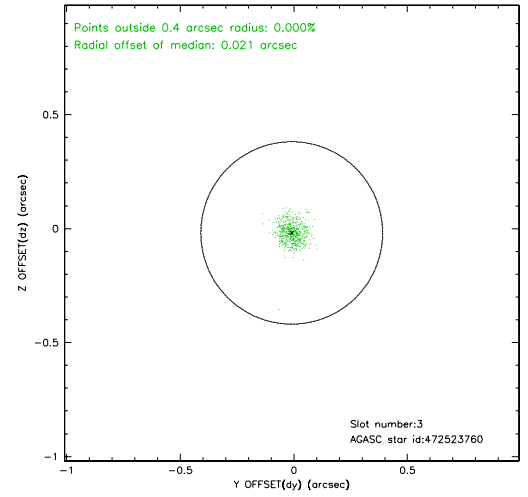
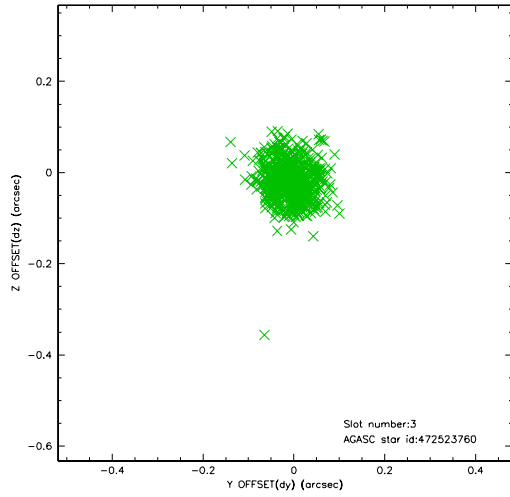


### Slot Statistics

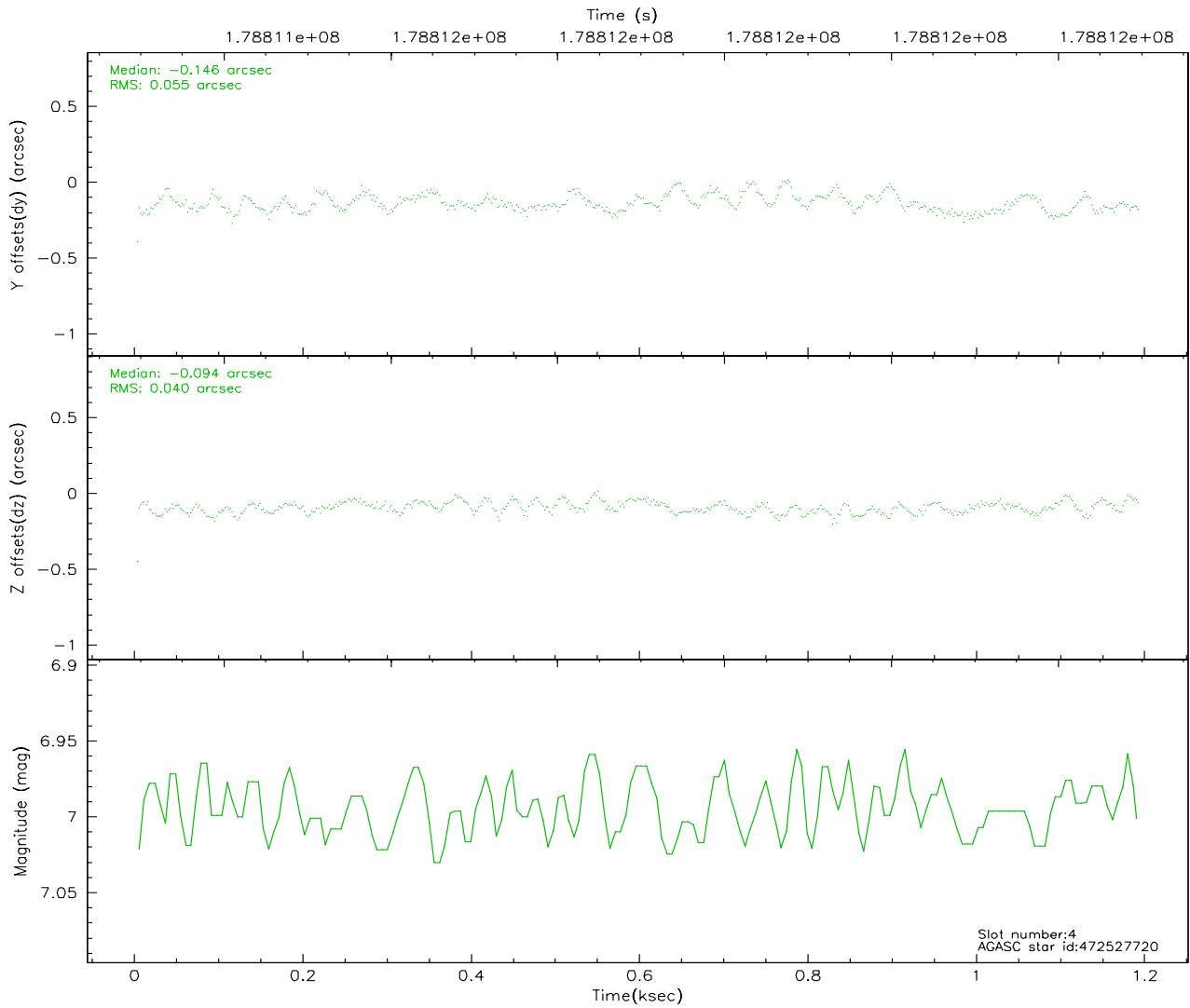
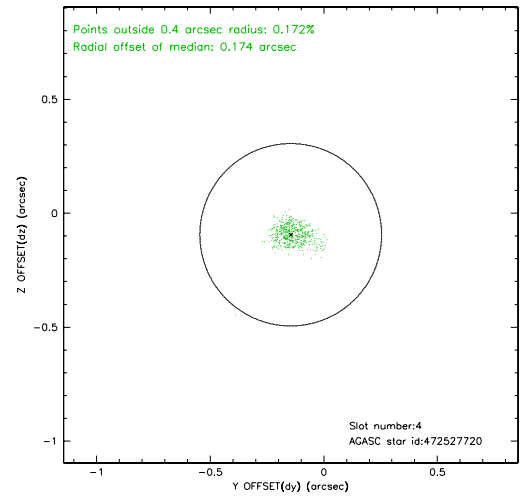
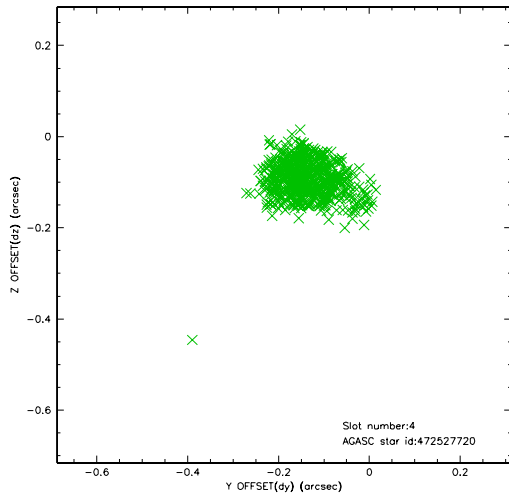
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	291	0.118	-0.113	0.007	0.015	0.000000	0.000000	-1161.15	-456.39
1	FID	HRC-S-2	7.03	291	0.155	-0.106	0.005	0.008	0.000000	0.000000	1234.58	-450.57
2	FID	HRC-S-3	7.04	291	0.117	-0.083	0.008	0.015	0.000000	0.000000	-1159.63	571.62
3	GUIDE	472523760	8.24	581	-0.010	-0.019	0.060	0.093	331.645363	45.403260	1226.15	1022.92
4	GUIDE	472527720	7.00	581	-0.146	-0.094	0.067	0.120	331.460205	45.112509	1877.44	1970.22
5	GUIDE	472655152	9.43	581	0.086	0.037	0.102	0.160	332.504239	45.862991	-1186.26	-229.82
6	GUIDE	472659832	9.47	581	0.054	0.055	0.092	0.150	332.780399	46.098139	-2013.29	-953.83
7	GUIDE	472533912	9.16	580	0.000	0.008	0.115	0.181	331.791136	46.368695	246.83	-2334.45

## 2.4 Star Slots

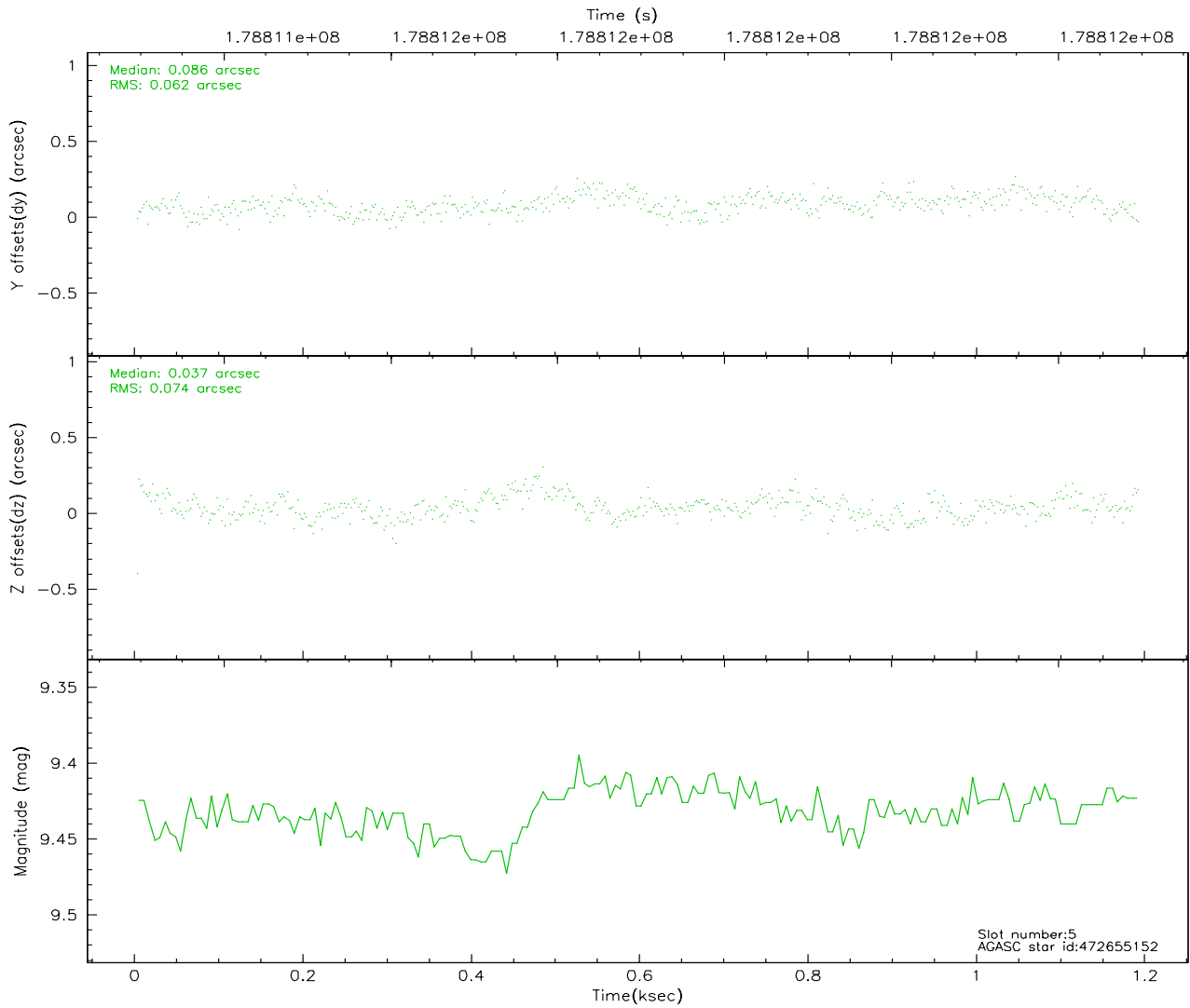
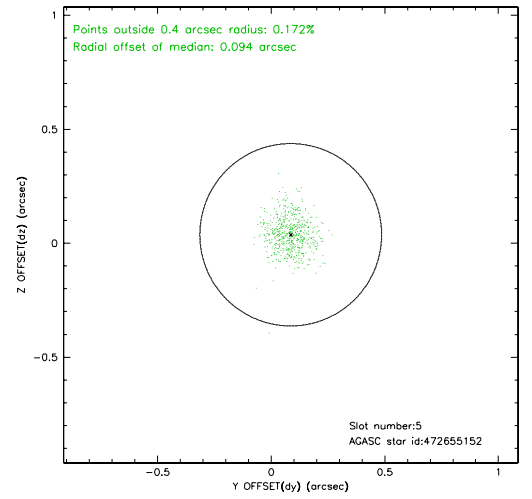
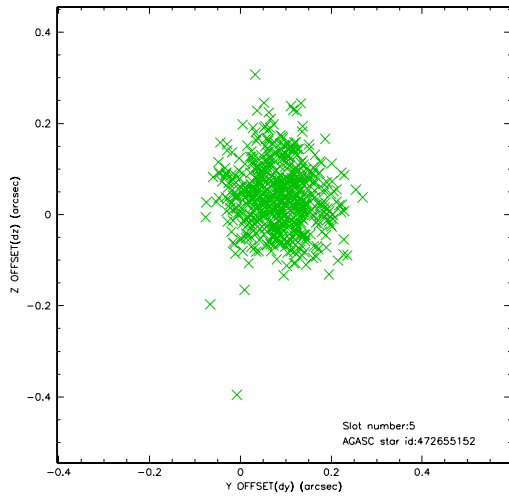
### 2.4.1 Slot 3



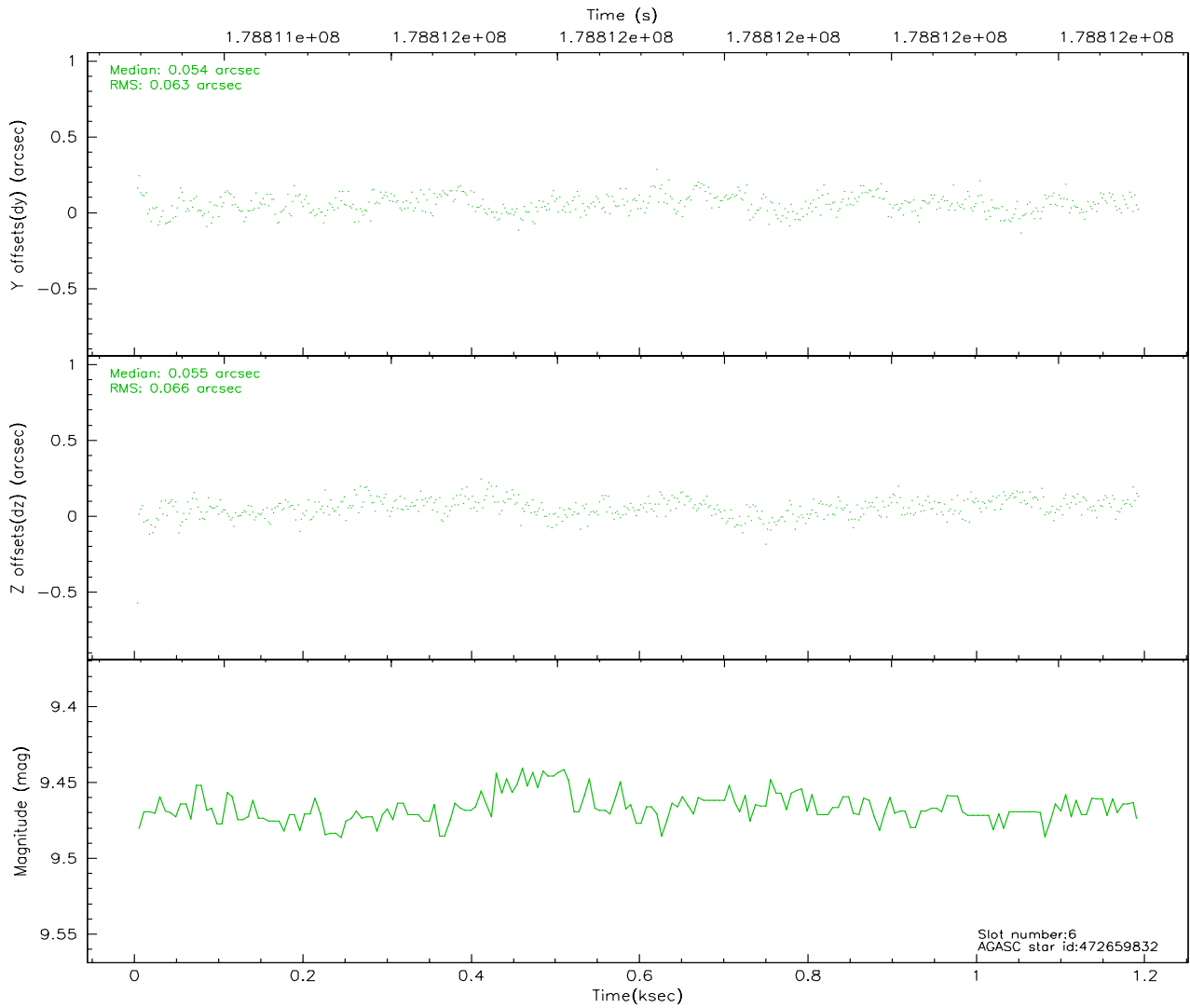
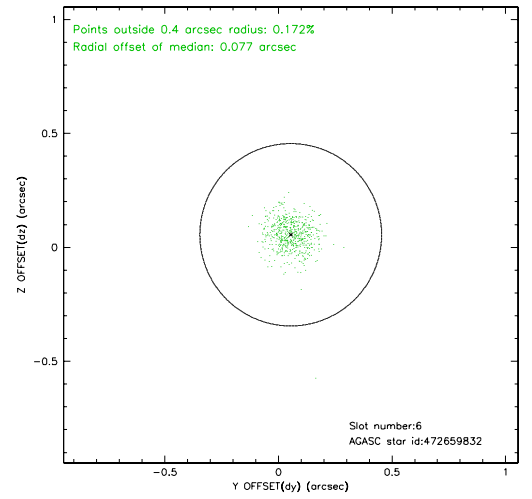
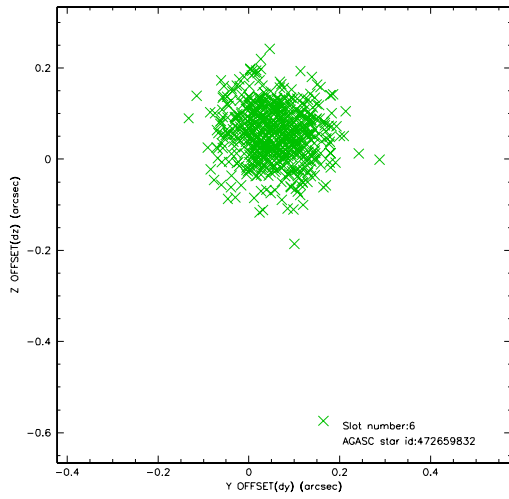
### 2.4.2 Slot 4



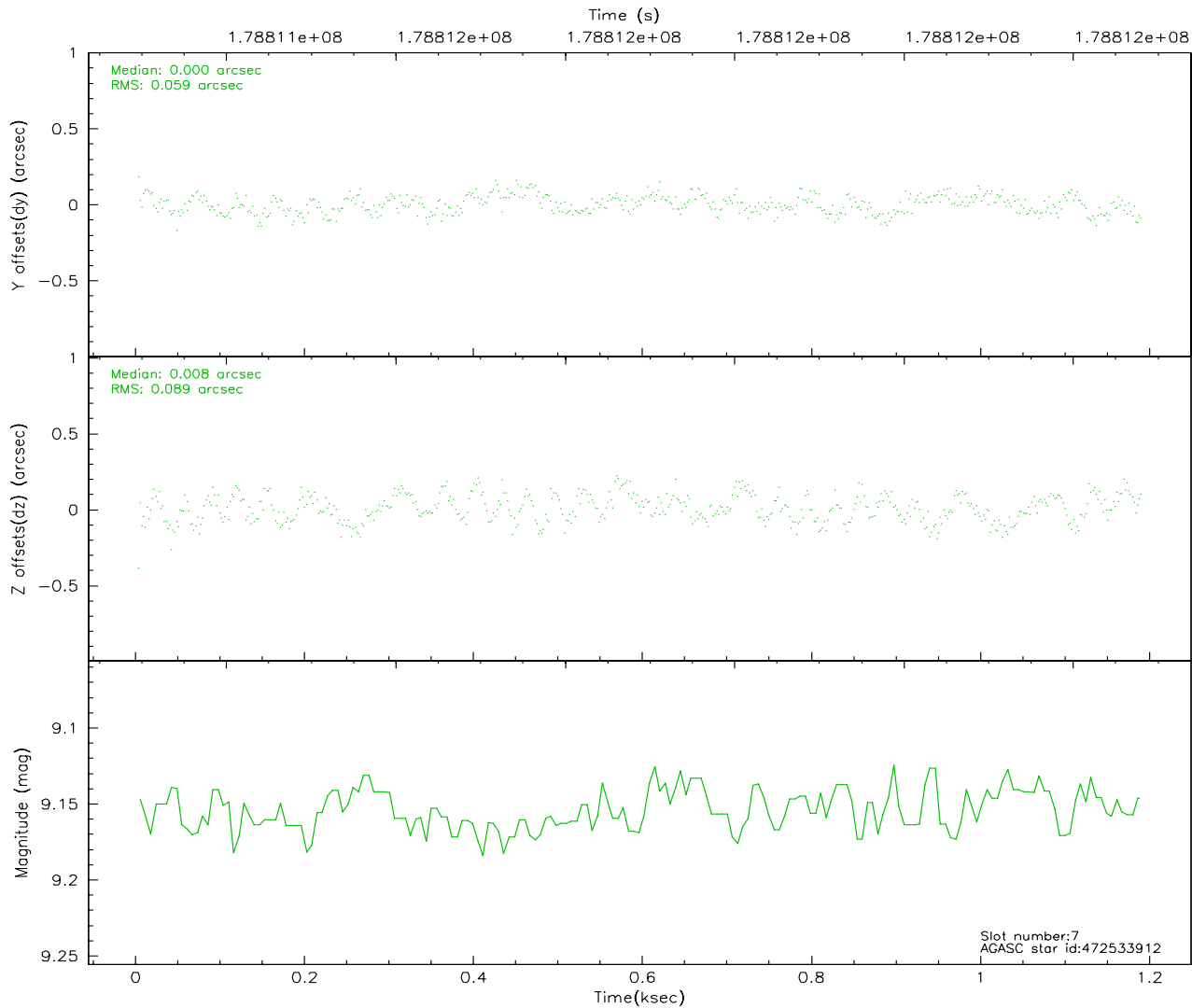
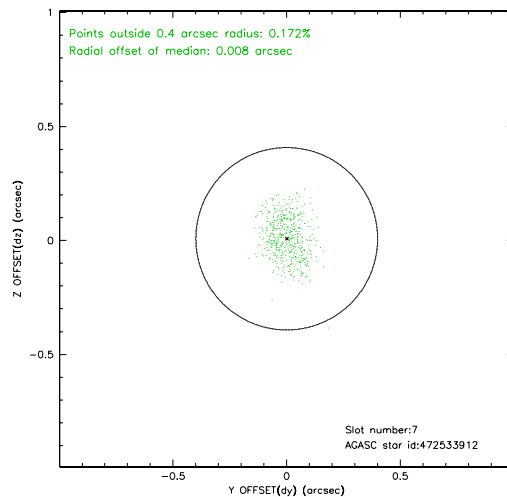
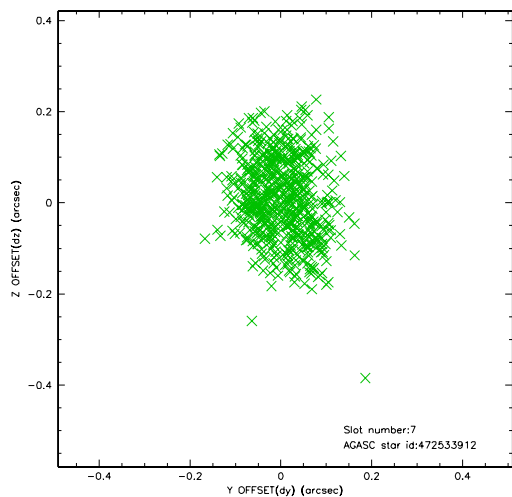
### 2.4.3 Slot 5



### 2.4.4 Slot 6

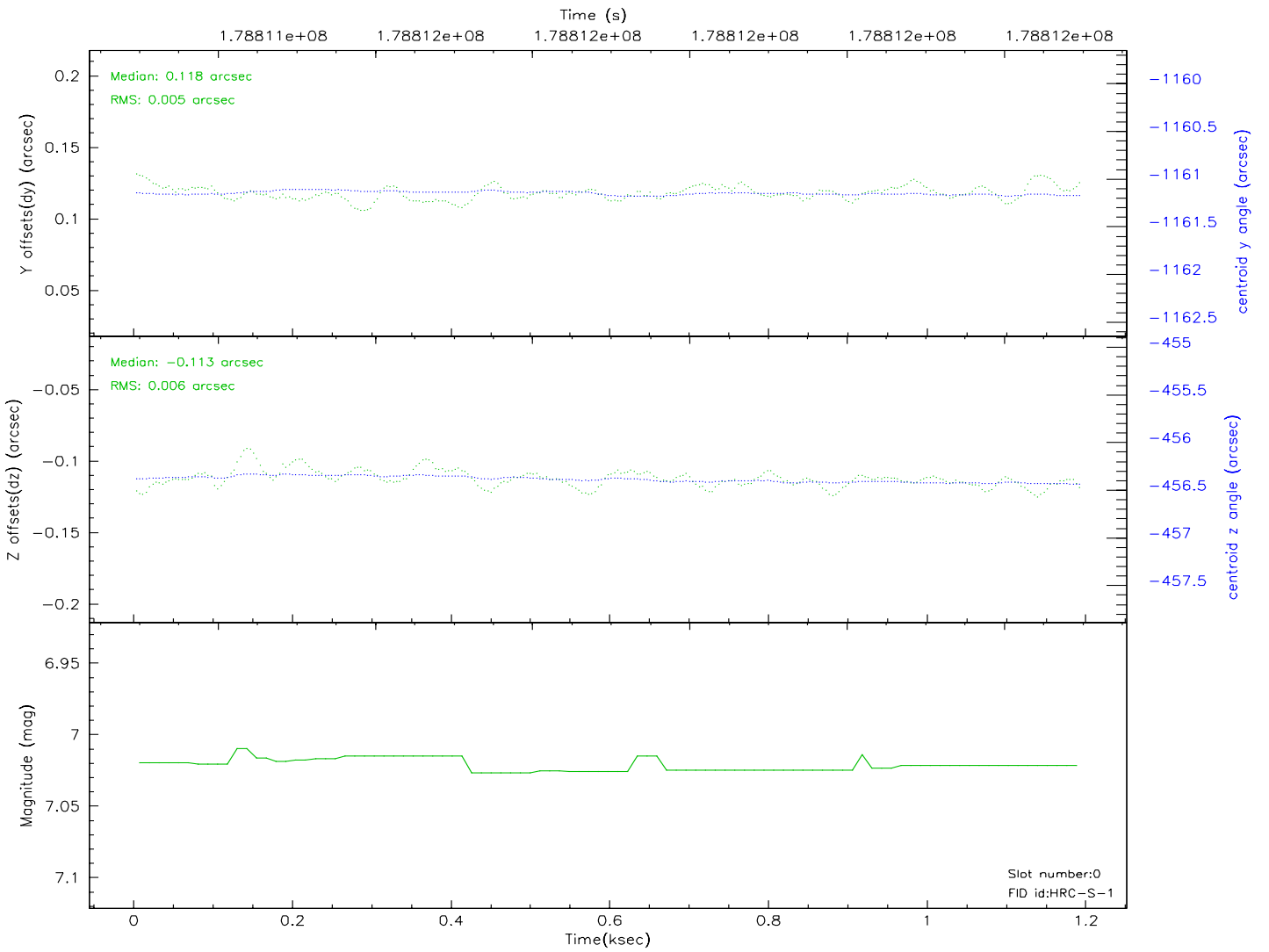
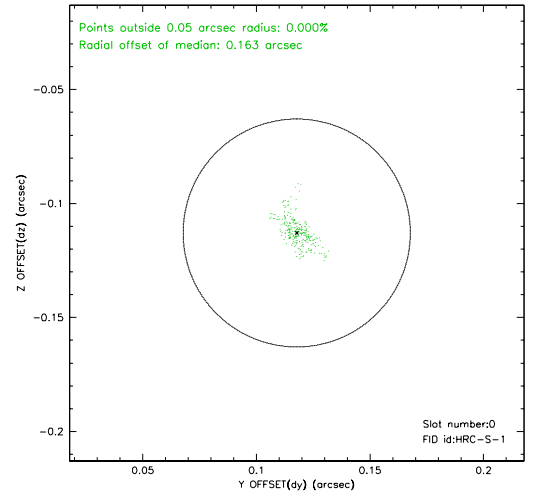
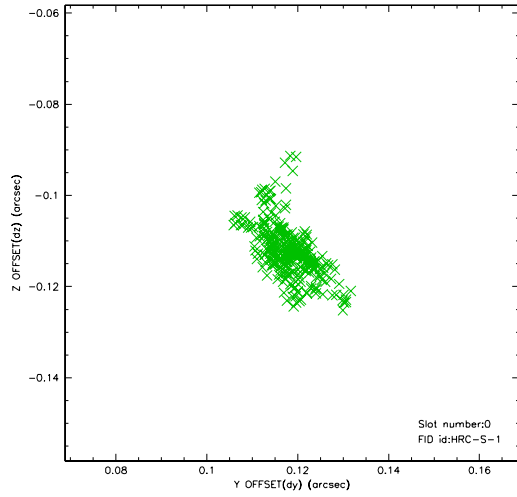


## 2.4.5 Slot 7

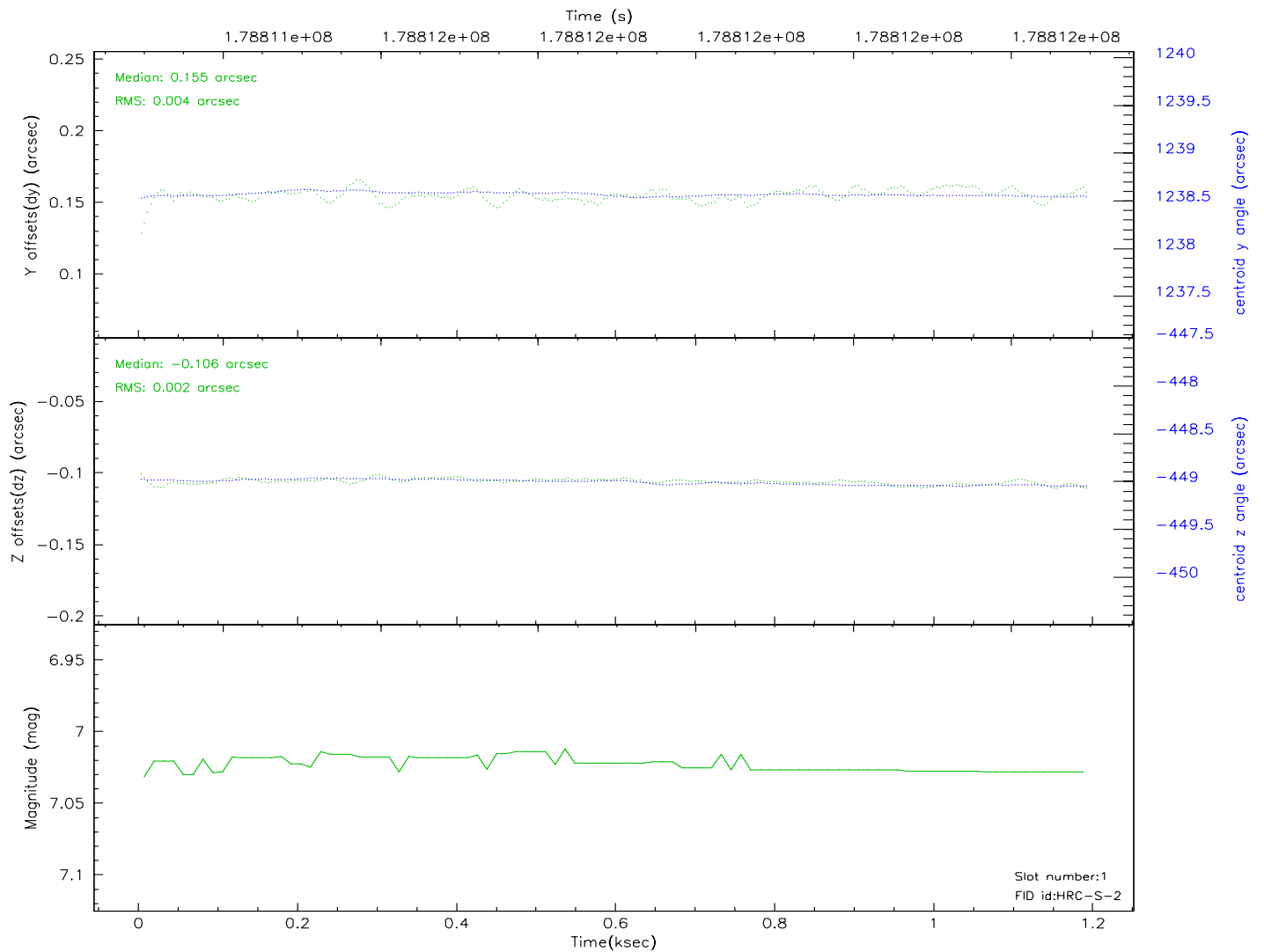
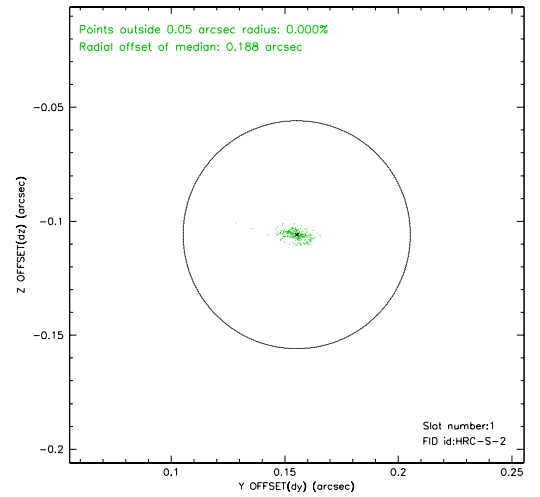
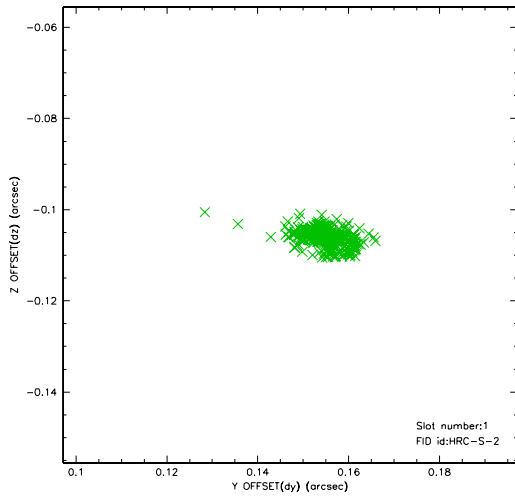


## 2.5 FID Slots

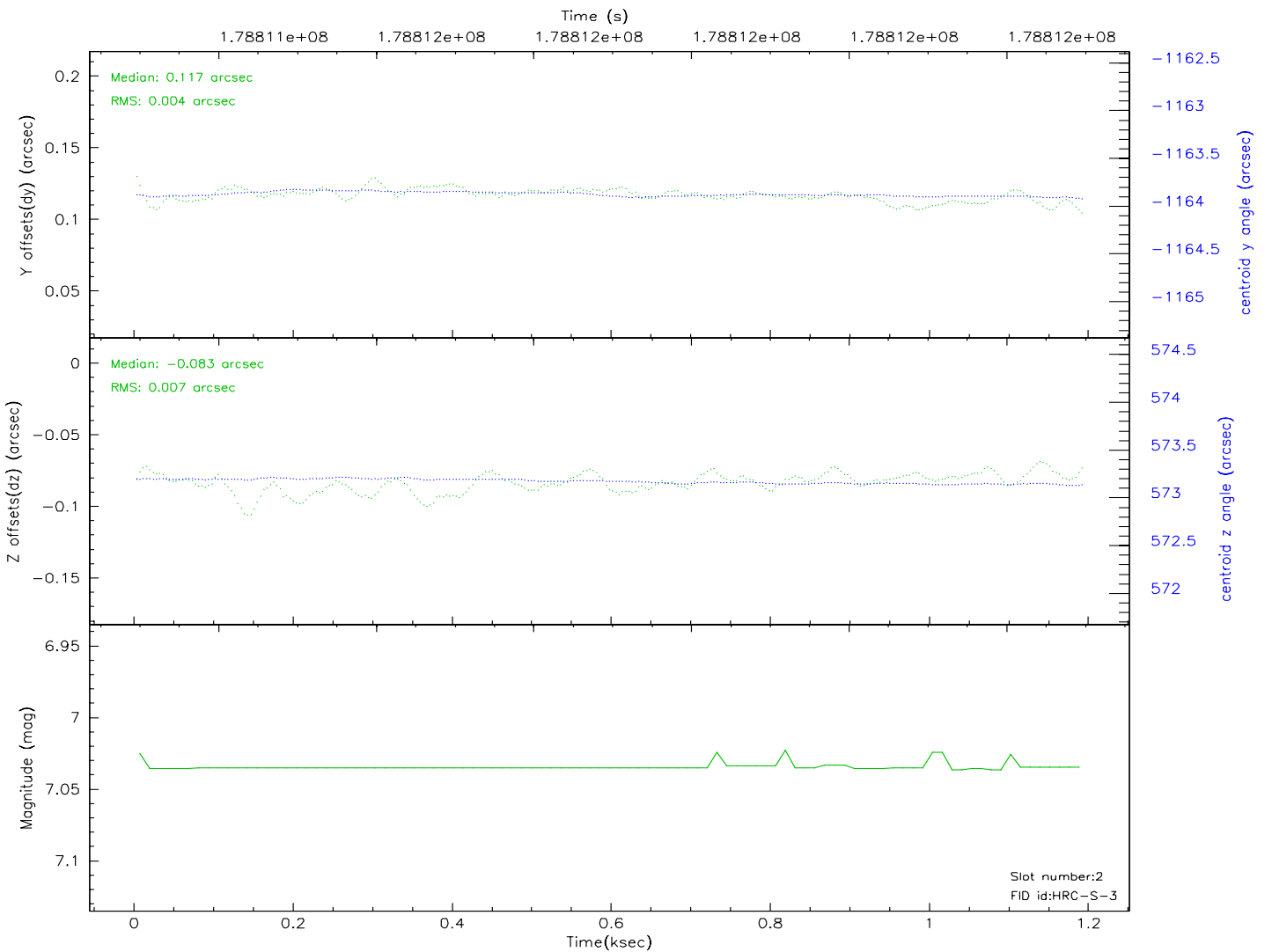
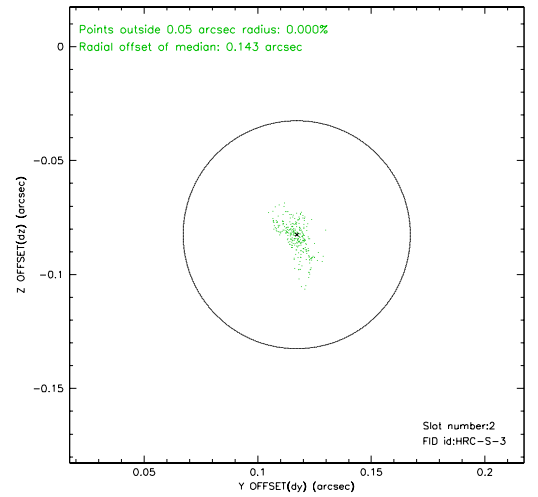
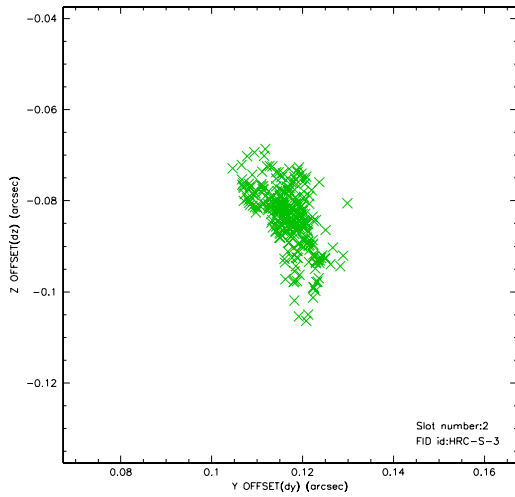
### 2.5.1 Slot 0



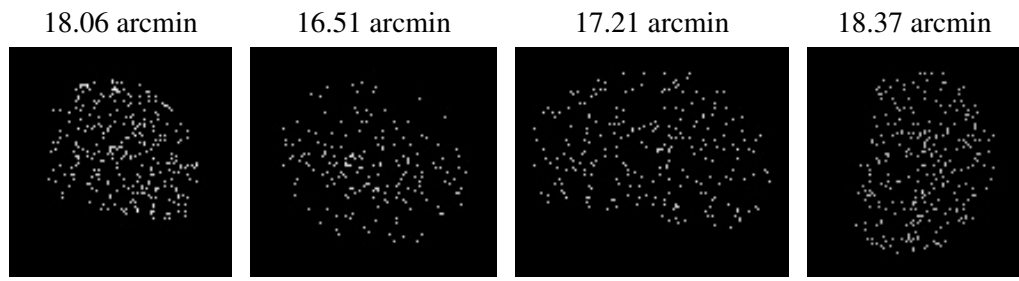
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.141

## A.2 Comments