

# V&V Reference Report

## L2 ASCDS Version : 10.5.1.1

Observation 18305 - L2 Version 1  
Chandra X-Ray Center

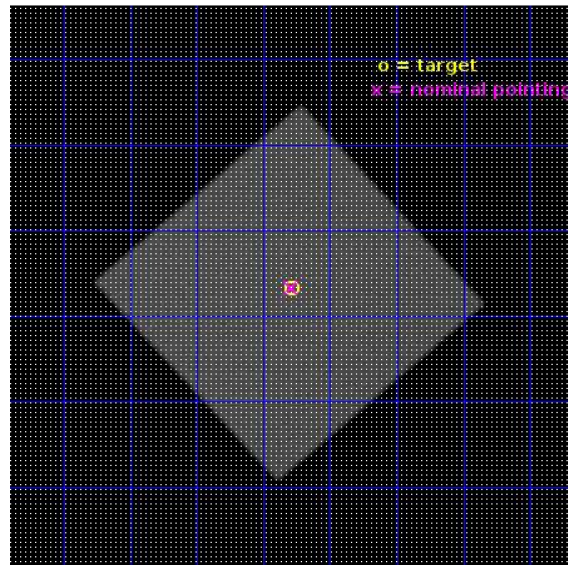
L2 Processing Date : Sep 7 2016

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# 1 Front

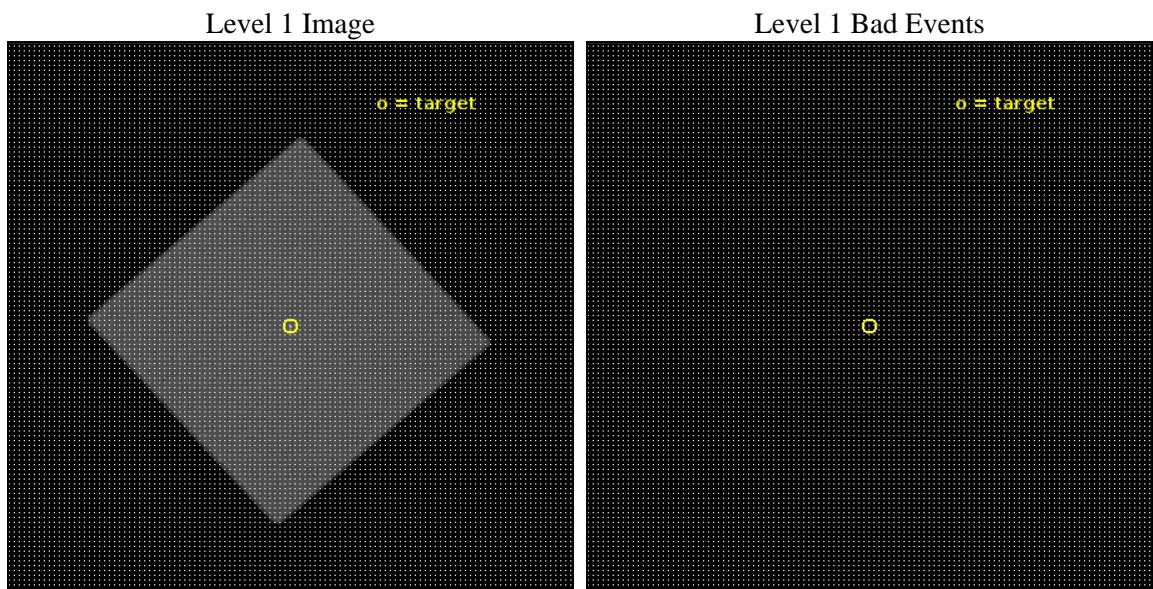
seq_num	201076	Sequence number
obs_id	18305	Observation id
title	Procyon: A New Candidate for the Dynamo Clinical Trial	Proposal ti
observer	Thomas Ayres	Principal investigator
object	PROCYON	Source name
ra_targ	114.822083	Observer's specified target RA [deg]
dec_targ	5.220111	Observer's specified target Dec [deg]
ra_nom	114.82267213896	Nominal RA [deg]
dec_nom	5.2220398301227	Nominal Dec [deg]
roll_nom	93.390943662494	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10166.975584984	[s]
livetime	10055.246872012	Ontime multiplied by DTCOR
l2events	939433	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	10166.975584984	[s]
caldbver	4.7.2	&#160	l1events	1377628	Number of level 1 events
date	2016-09-07T15:10:29	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	1377628
rejected events	136470
rejected %	9%

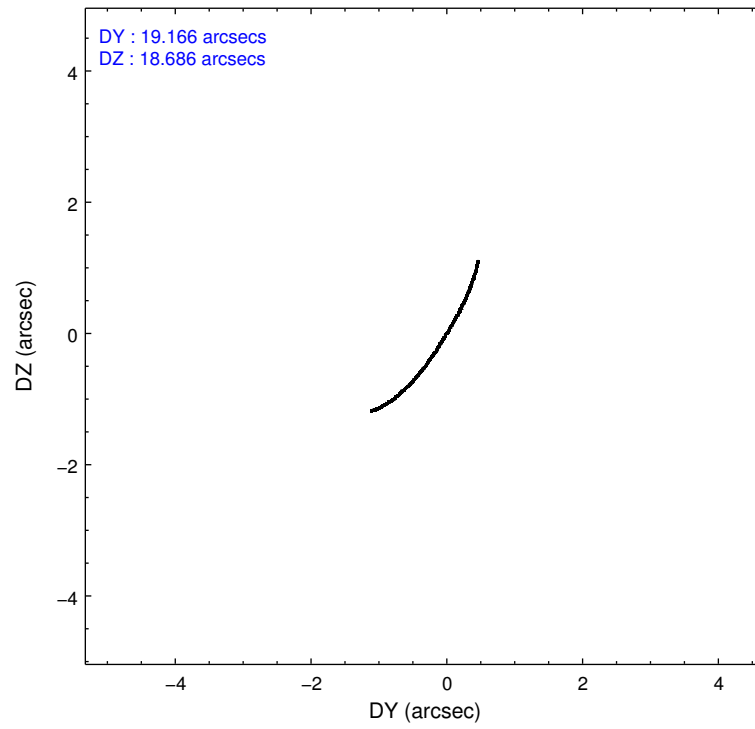
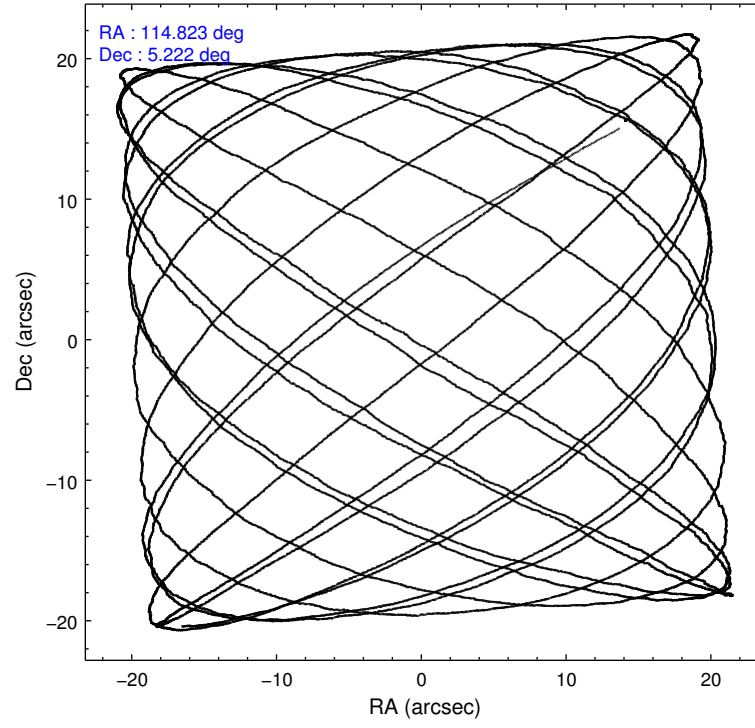


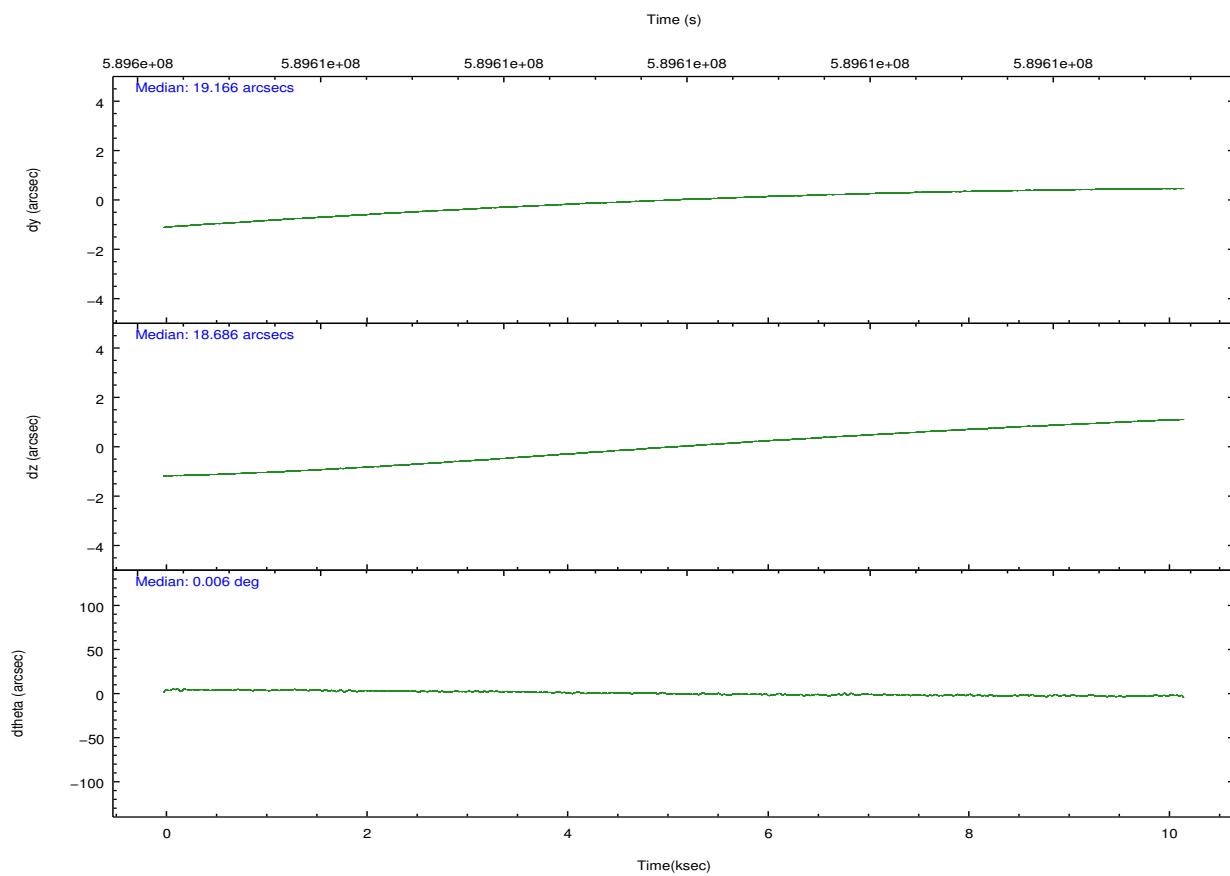
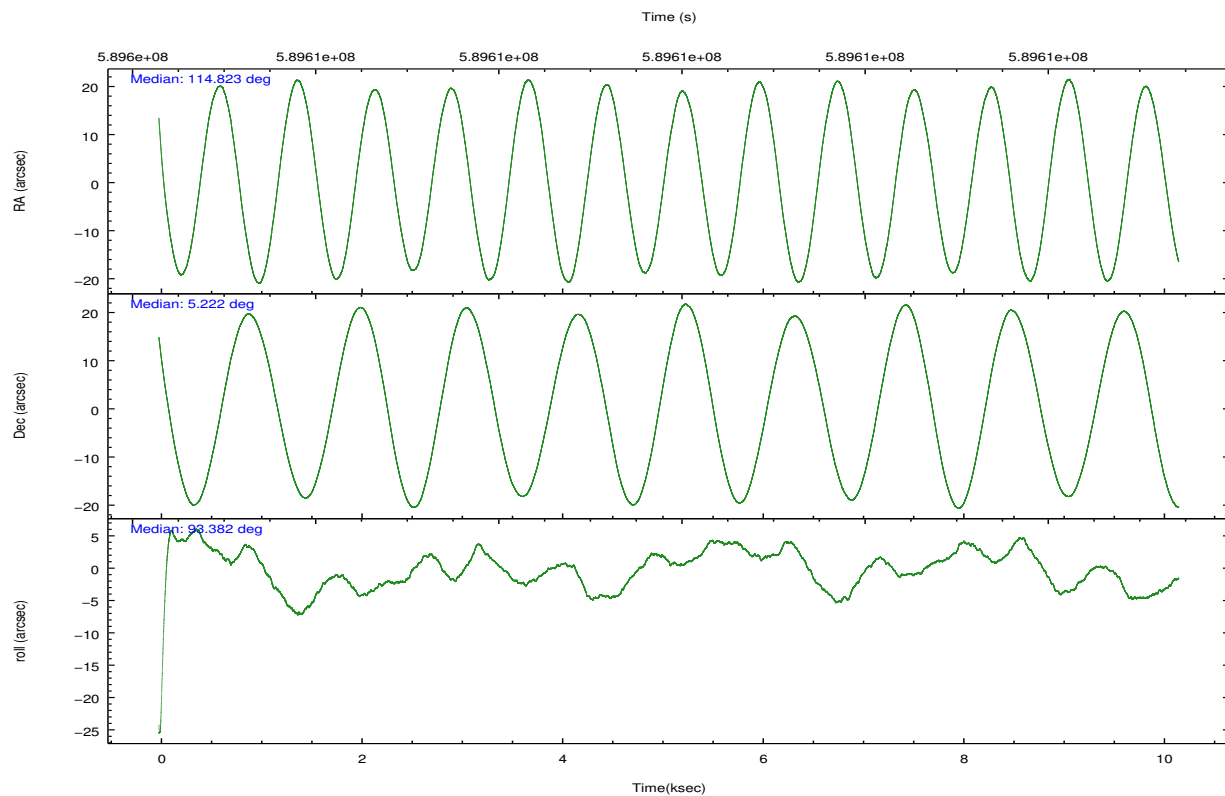
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	114.838304	114.8226721389609
[deg] Pointing Dec	5.199668	5.222039830122744
[deg] Pointing Roll	93.485060	93.39094366249361
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	589604943.184000	589603691.5982701
Observation start date	2016-09-07T03:07:55	2016-09-07T02:48:11
[s] Observation end time (MET)	589614943.184000	589615986.98648
Observation end date	2016-09-07T05:54:35	2016-09-07T06:13:06

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect



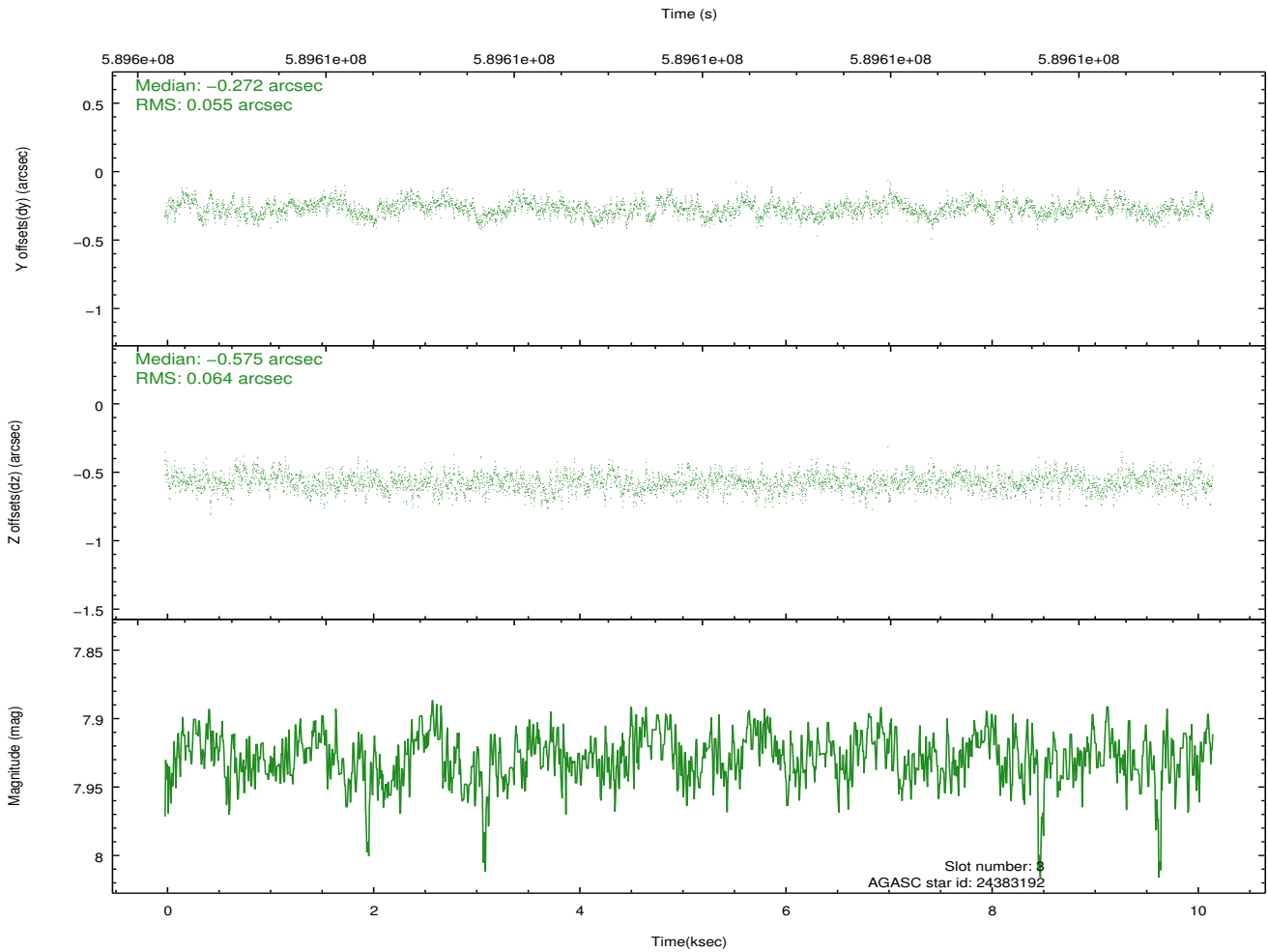
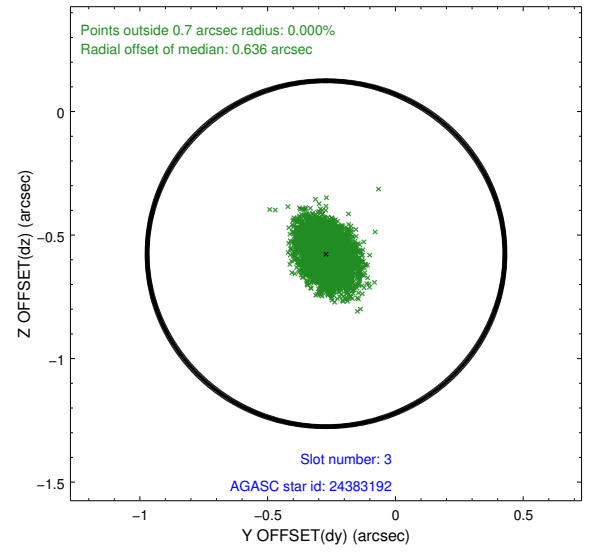
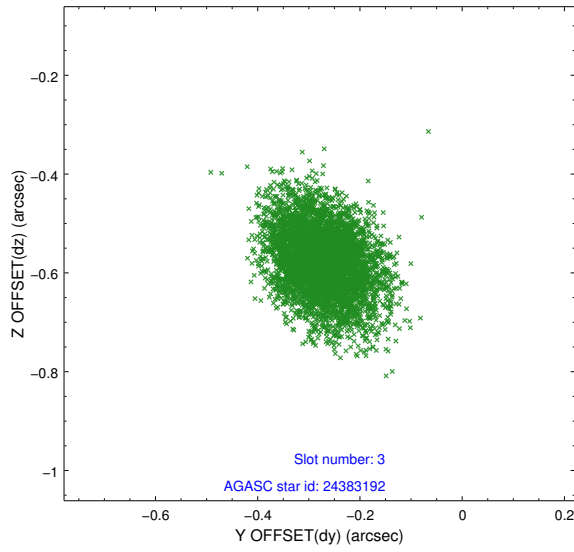


### Slot Statistics

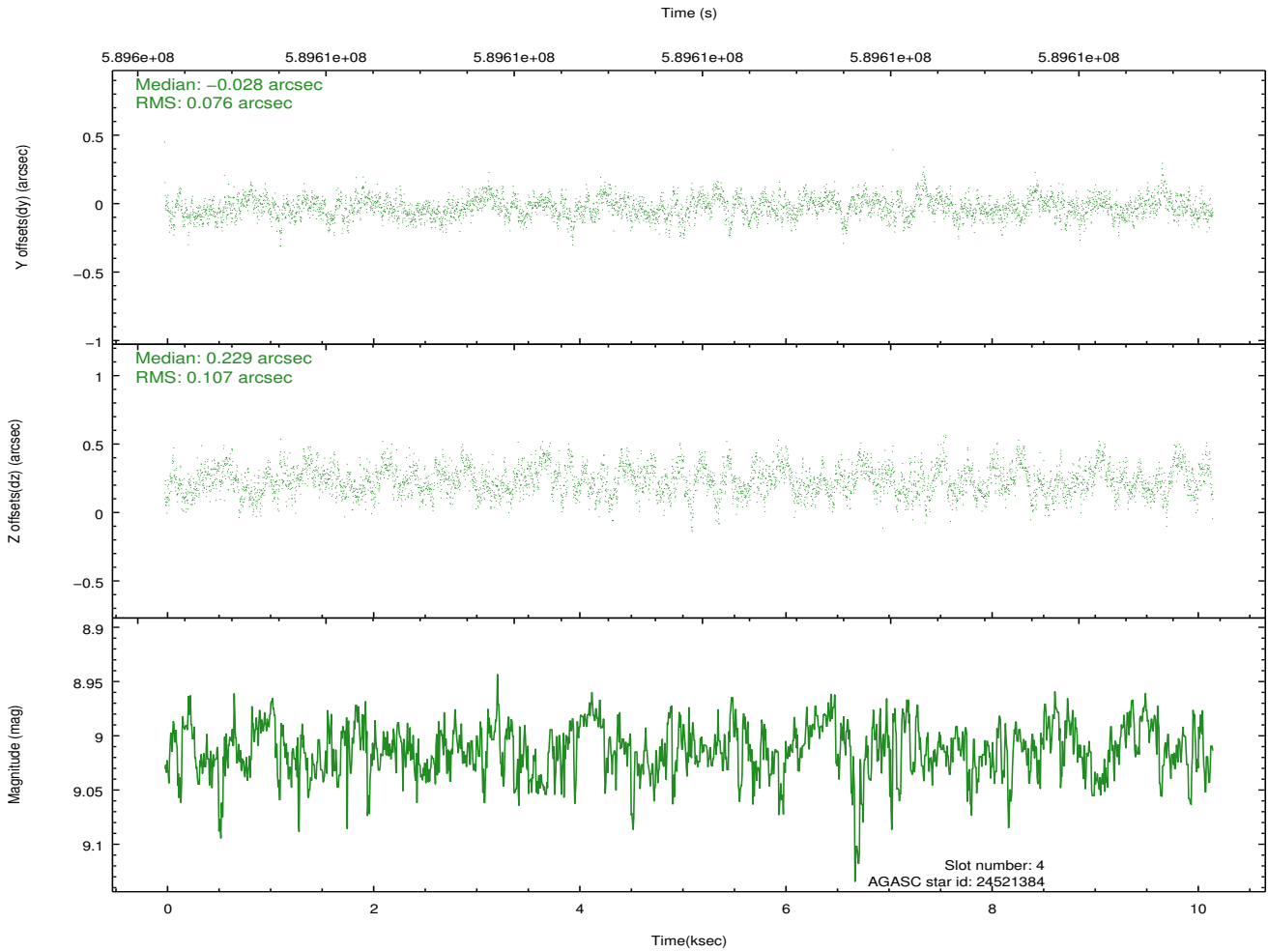
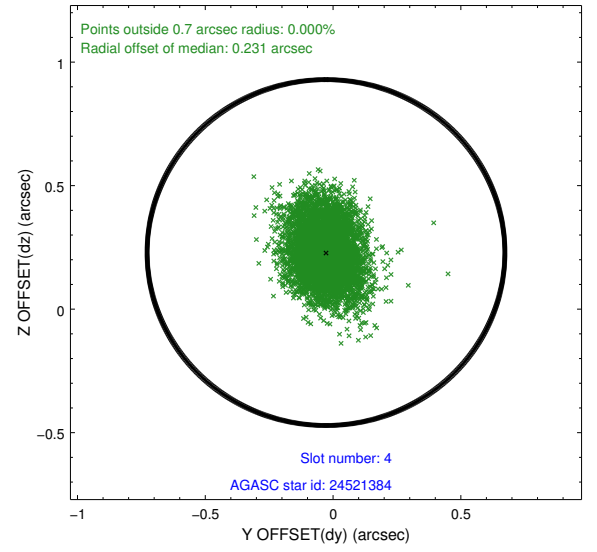
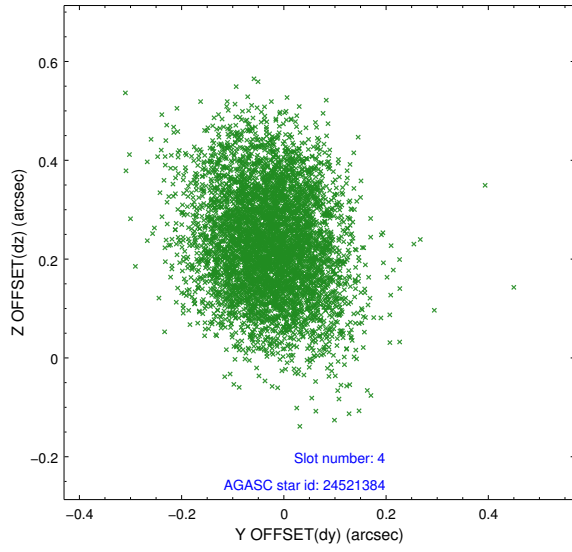
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.01	2480	-0.183	0.012	0.022	0.029	0.000000	0.000000	-775.10	-1306.86
1	FID		HRC-I-2	7.05	2480	0.344	-0.134	0.036	0.047	0.000000	0.000000	837.75	-1309.04
2	FID		HRC-I-3	7.09	2481	-0.044	0.032	0.029	0.042	0.000000	0.000000	-1203.20	997.18
3	GUIDE	used	24383192	7.93	4959	-0.272	-0.575	0.089	0.147	114.373279	5.211521	144.69	1660.99
4	GUIDE	used	24521384	9.01	4959	-0.028	0.229	0.138	0.228	115.392701	5.417327	663.12	-2030.33
5	GUIDE	used	24525600	8.27	4958	0.241	-0.037	0.101	0.166	114.573999	4.942945	-863.79	1001.88
6	GUIDE	used	24522960	7.82	4960	0.180	0.380	0.098	0.166	115.195385	5.000625	-791.85	-1234.17
7	GUIDE	used	25039776	8.63	4958	-0.119	-0.003	0.117	0.194	115.184333	5.805632	2103.10	-1369.55

## 2.4 Star Slots

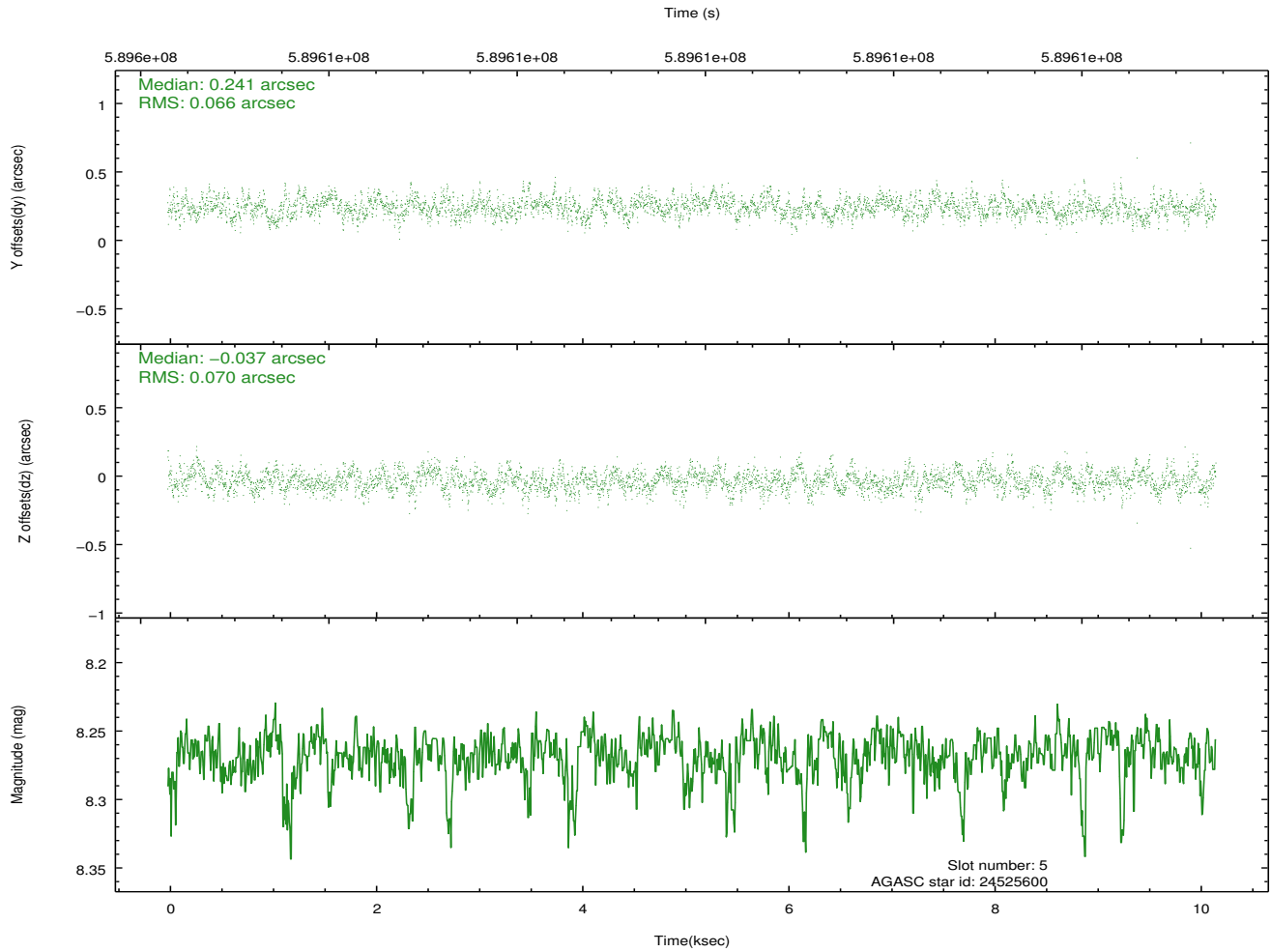
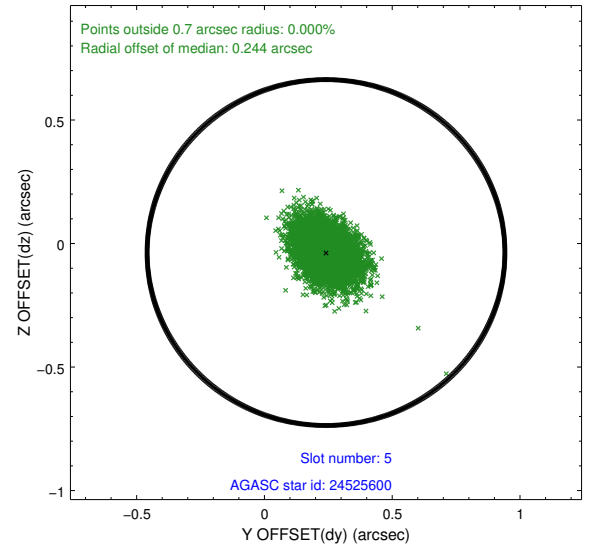
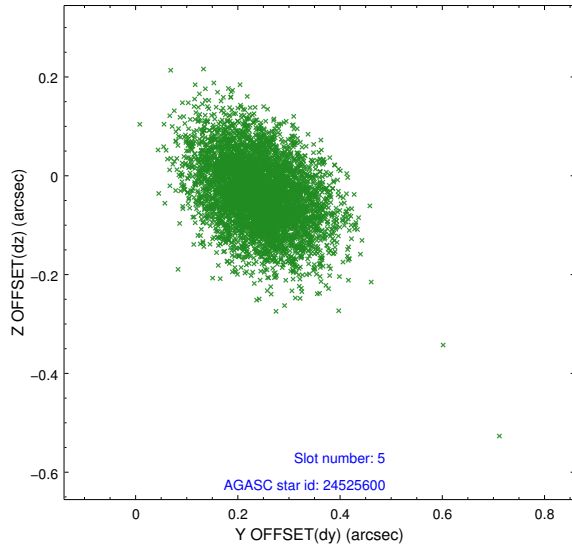
### 2.4.1 Slot 3



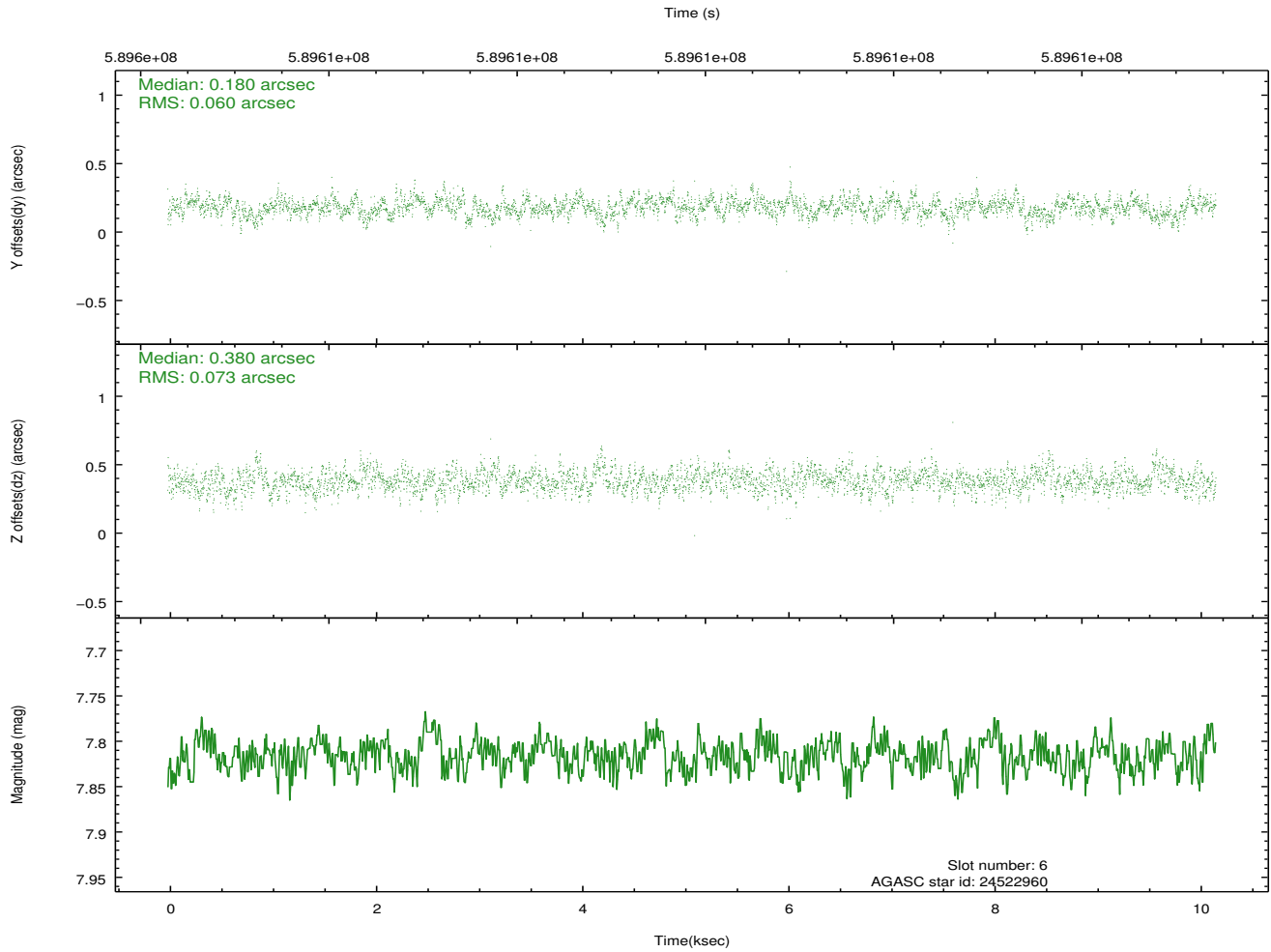
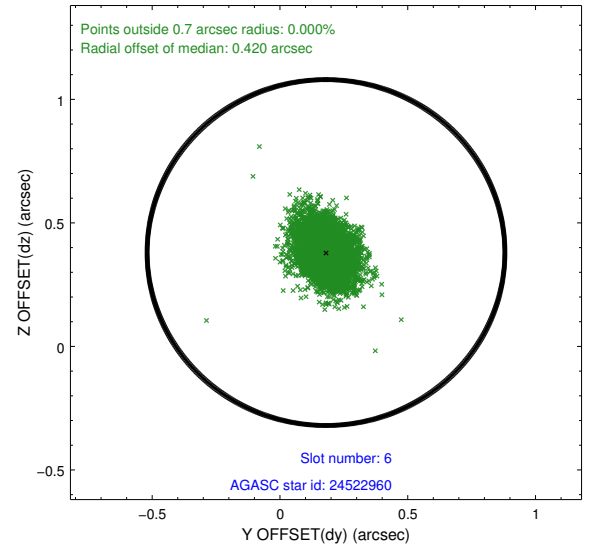
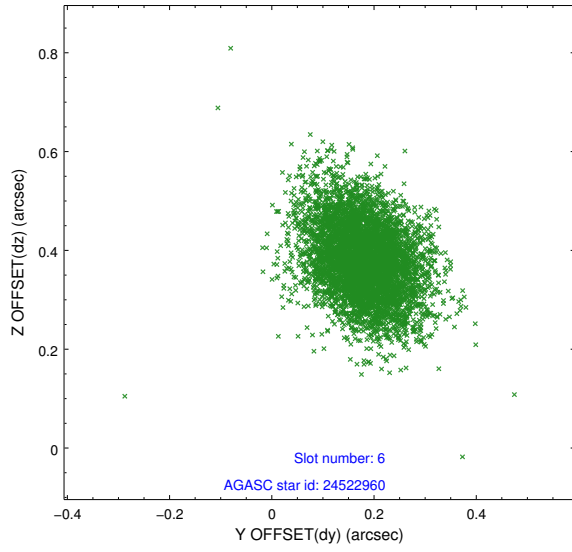
## 2.4.2 Slot 4



### 2.4.3 Slot 5

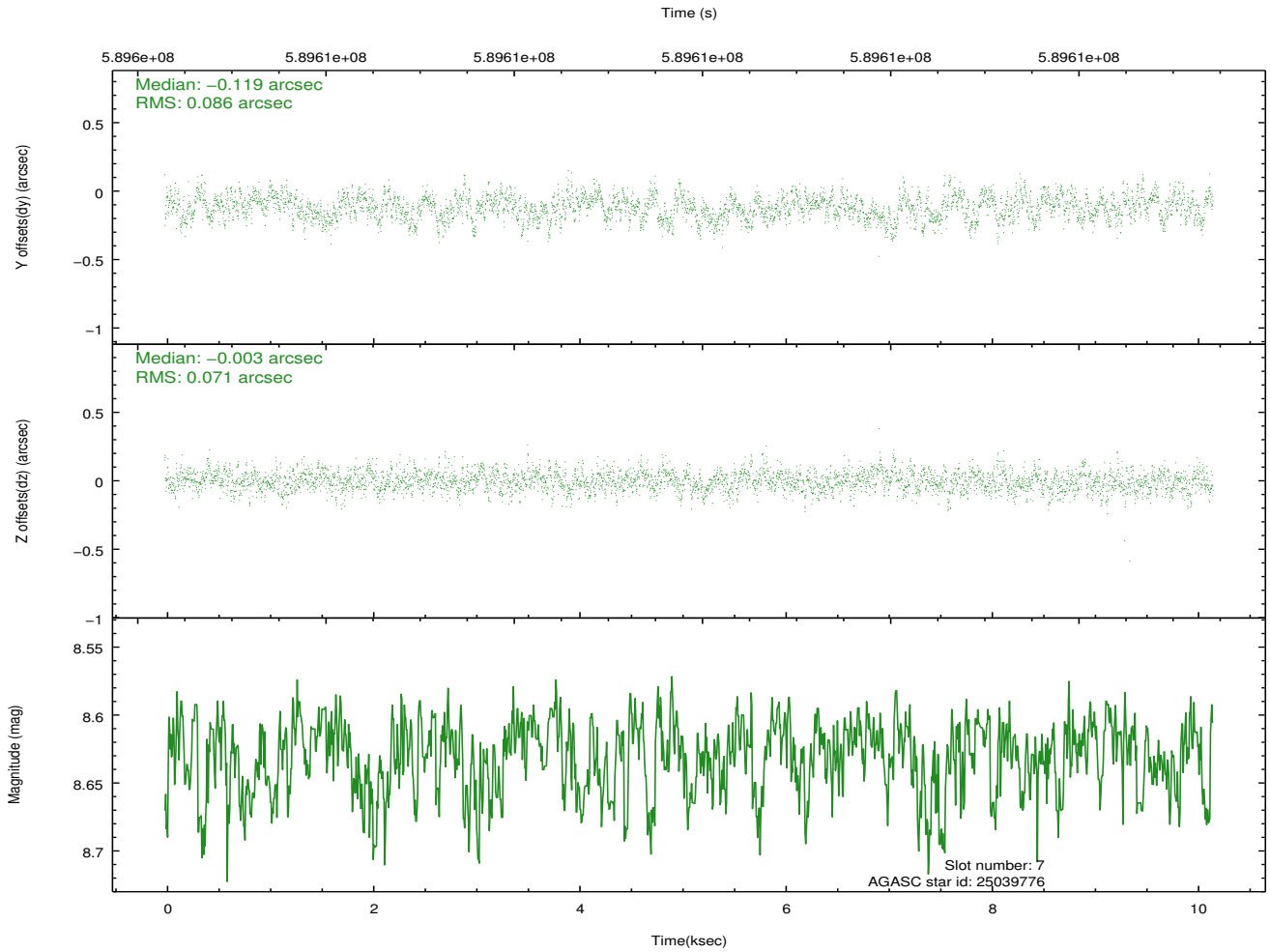
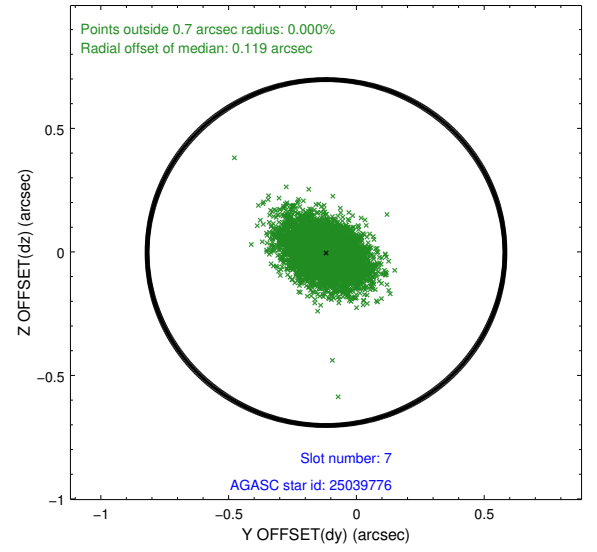
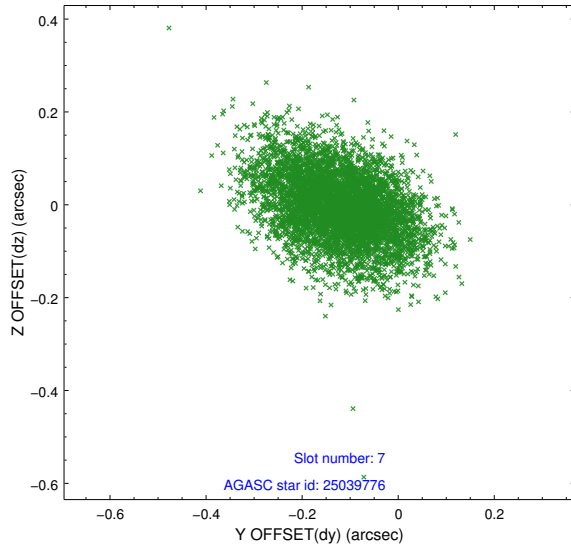


## 2.4.4 Slot 6



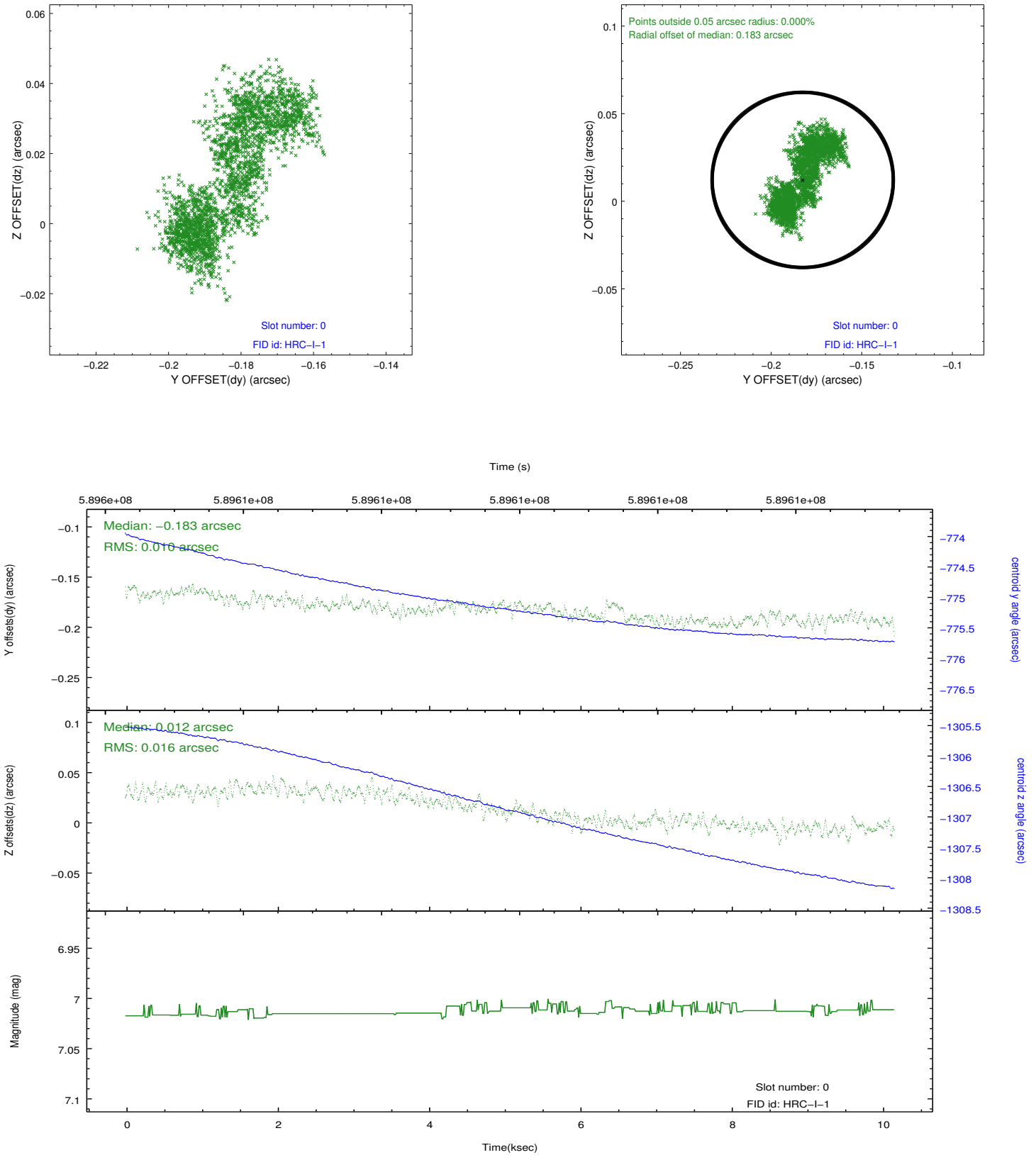


## 2.4.5 Slot 7

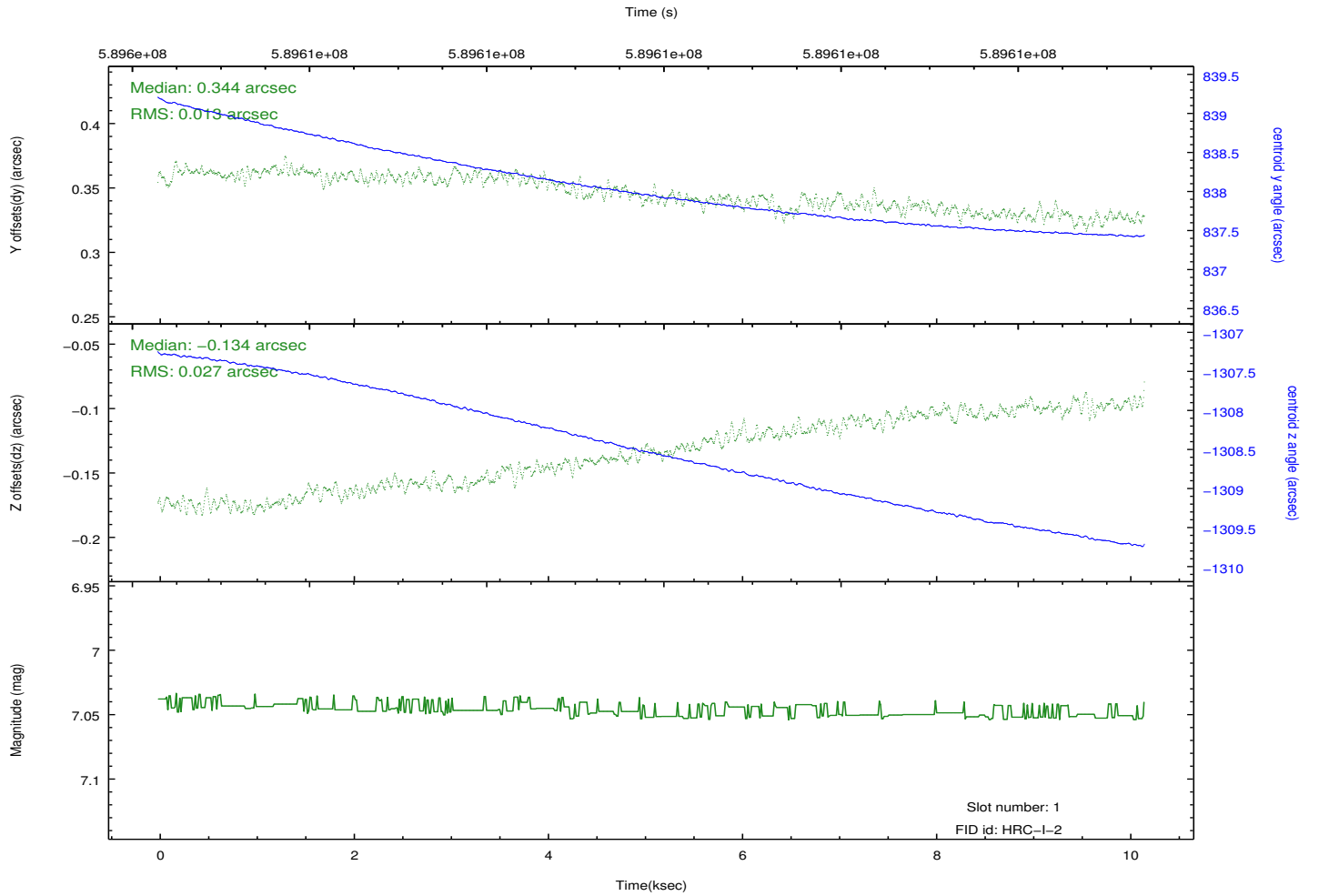
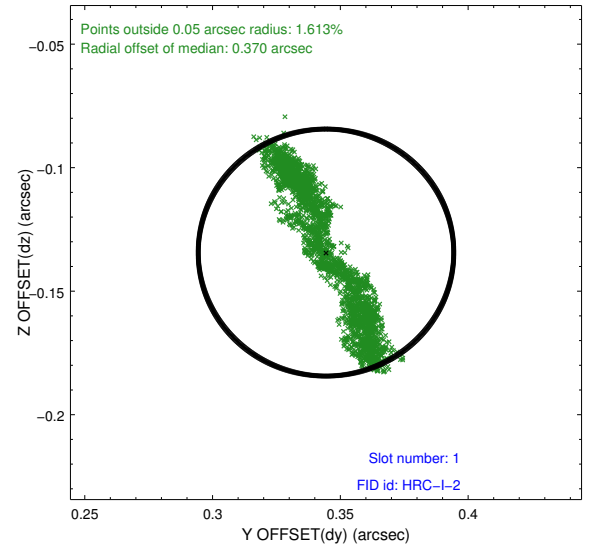
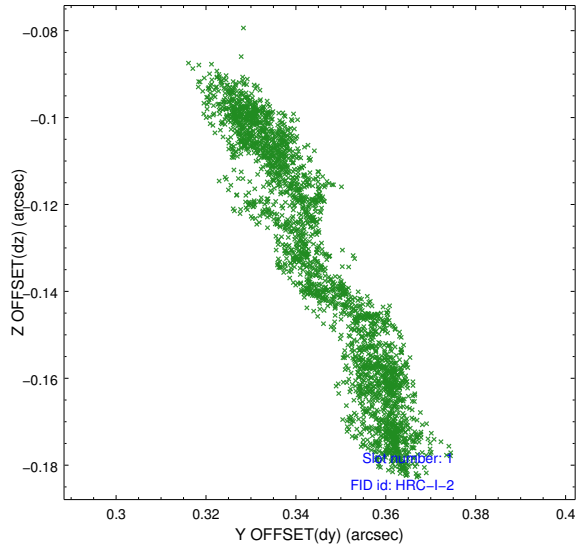


## 2.5 FID Slots

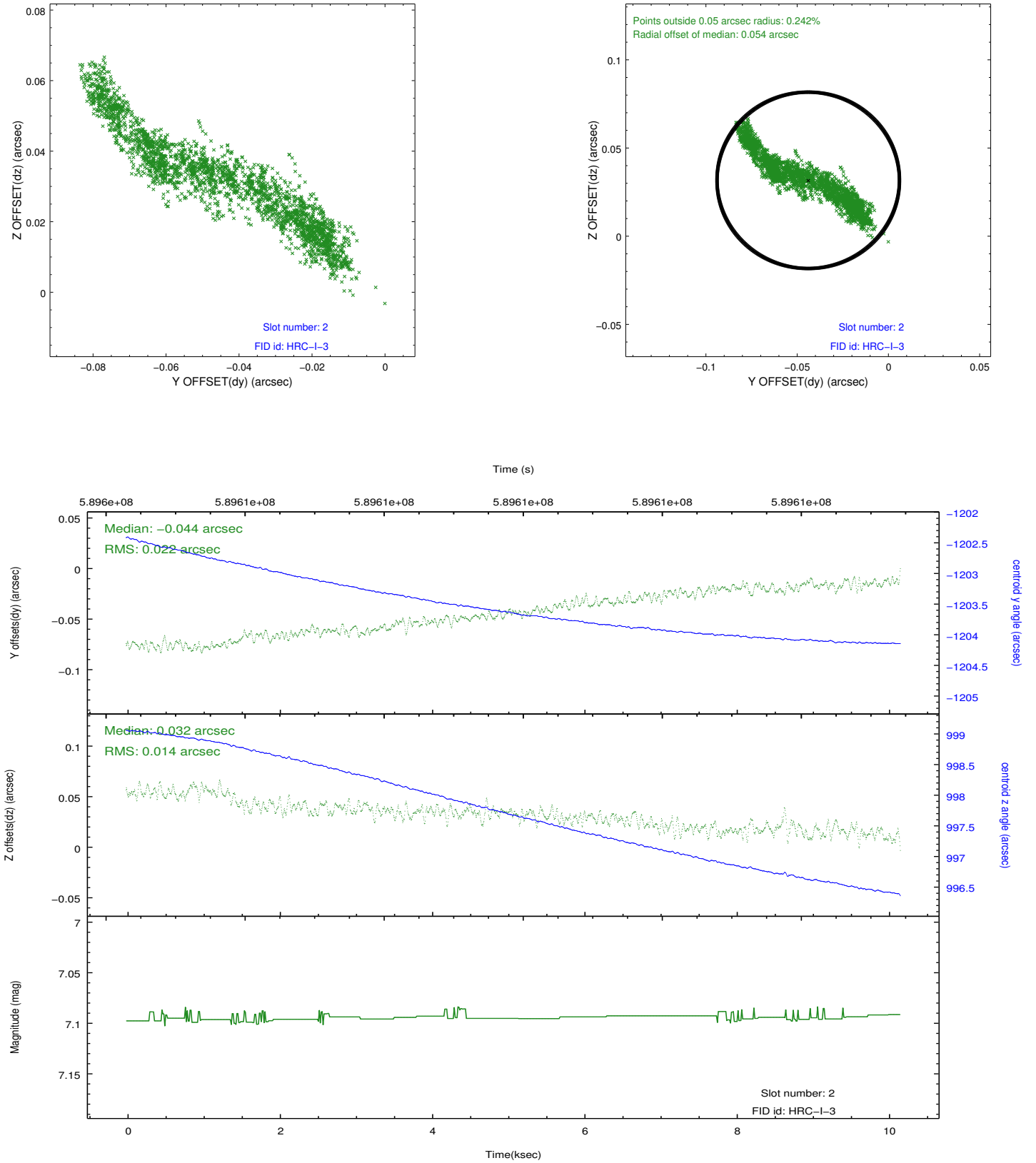
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.166975584984

### A.2 Comments

Joint proposal with HST.