

# V&V Reference Report

## L2 ASCDS Version : 10

Observation 14193 - L2 Version 2  
Chandra X-Ray Center

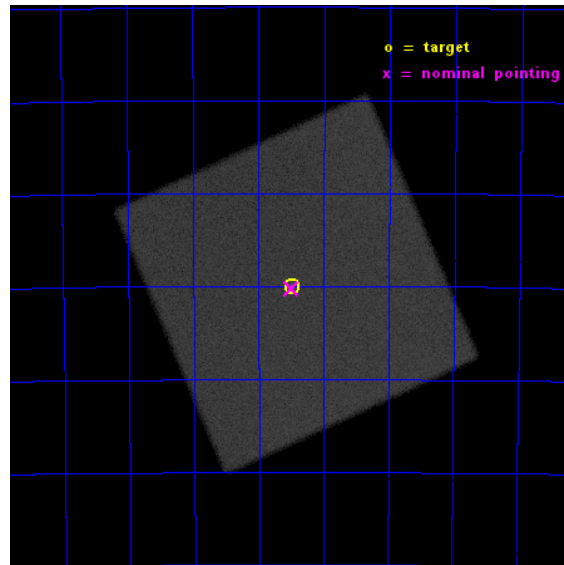
L2 Processing Date : Dec 4 2014

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# 1 Front

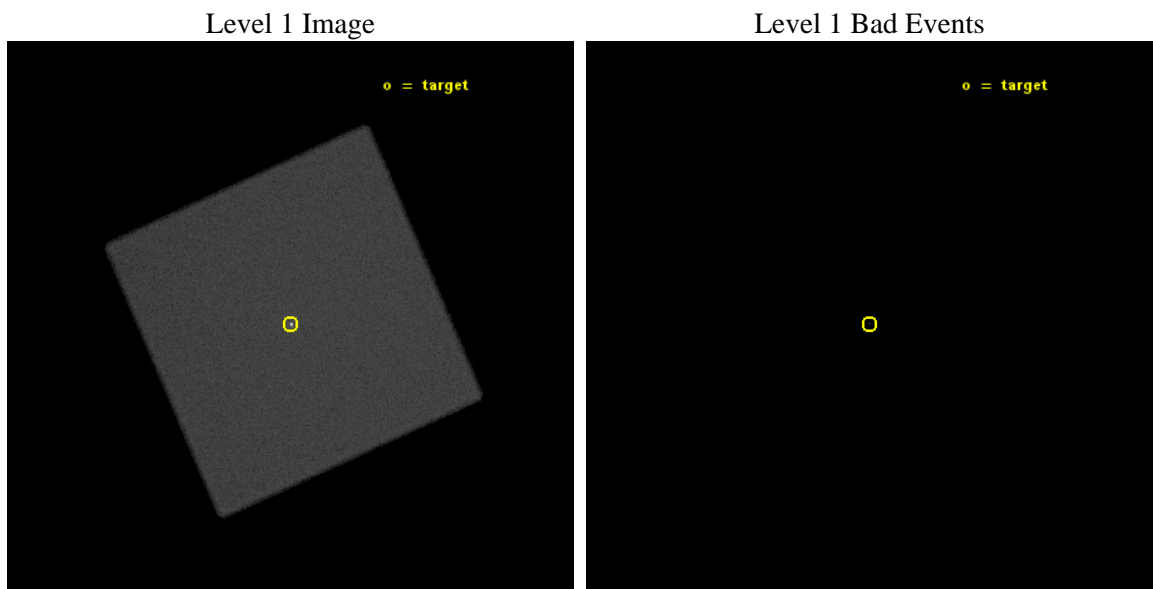
seq_num	200823	Sequence number
obs_id	14193	Observation id
title	Alpha Cen: Climbing out of a Coronal Recession?	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.874167	Observer's specified target RA [deg]
dec_targ	-60.833139	Observer's specified target Dec [deg]
ra_nom	219.87426249969	Nominal RA [deg]
dec_nom	-60.837414095095	Nominal Dec [deg]
roll_nom	291.20081362712	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10681.525579751	[s]
livetime	10591.292317919	Ontime multiplied by DTCOR
l2events	732582	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	10500.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10681.525579751	[s]
caldsver	4.6.4	&#160	l1events	1091330	Number of level 1 events
date	2014-12-04T07:07:52	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	1091330
rejected events	101053
rejected %	9%

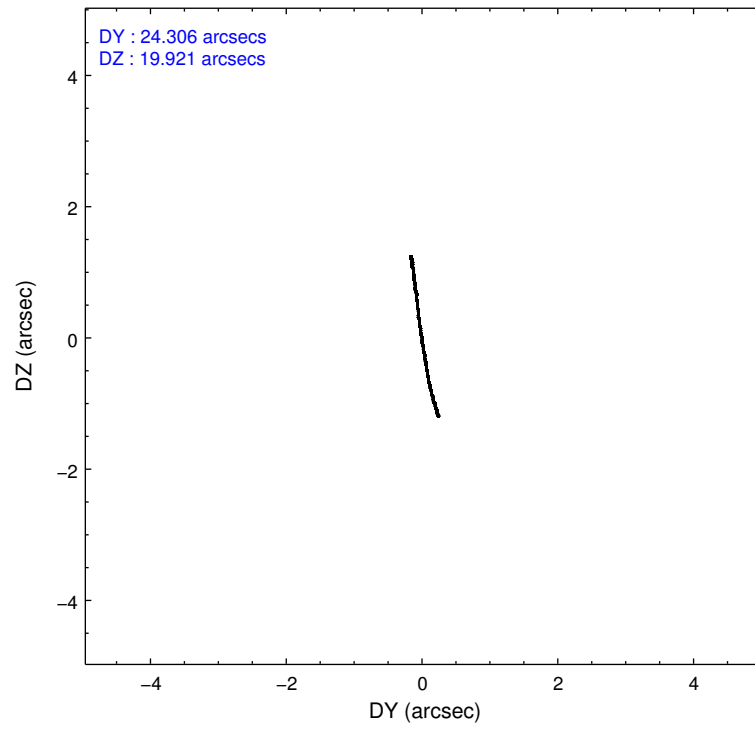
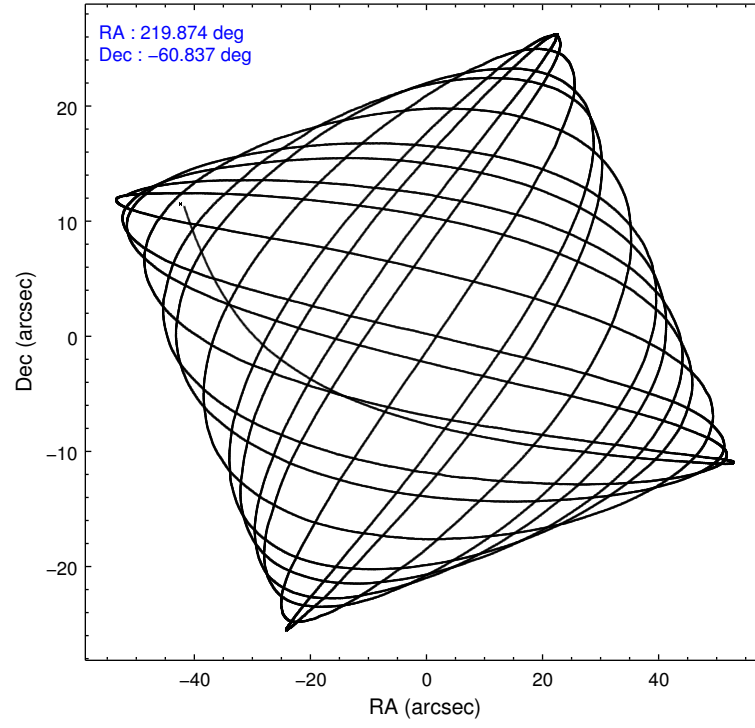


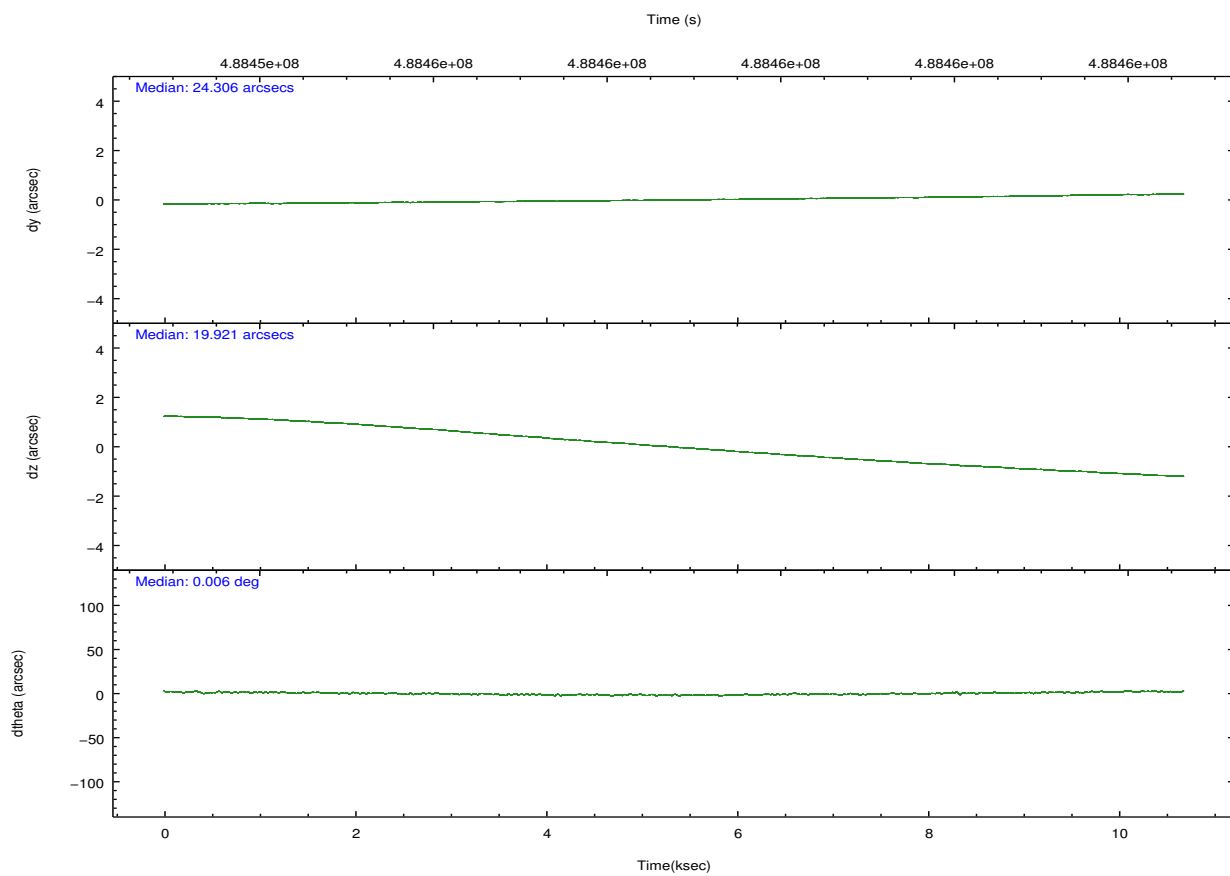
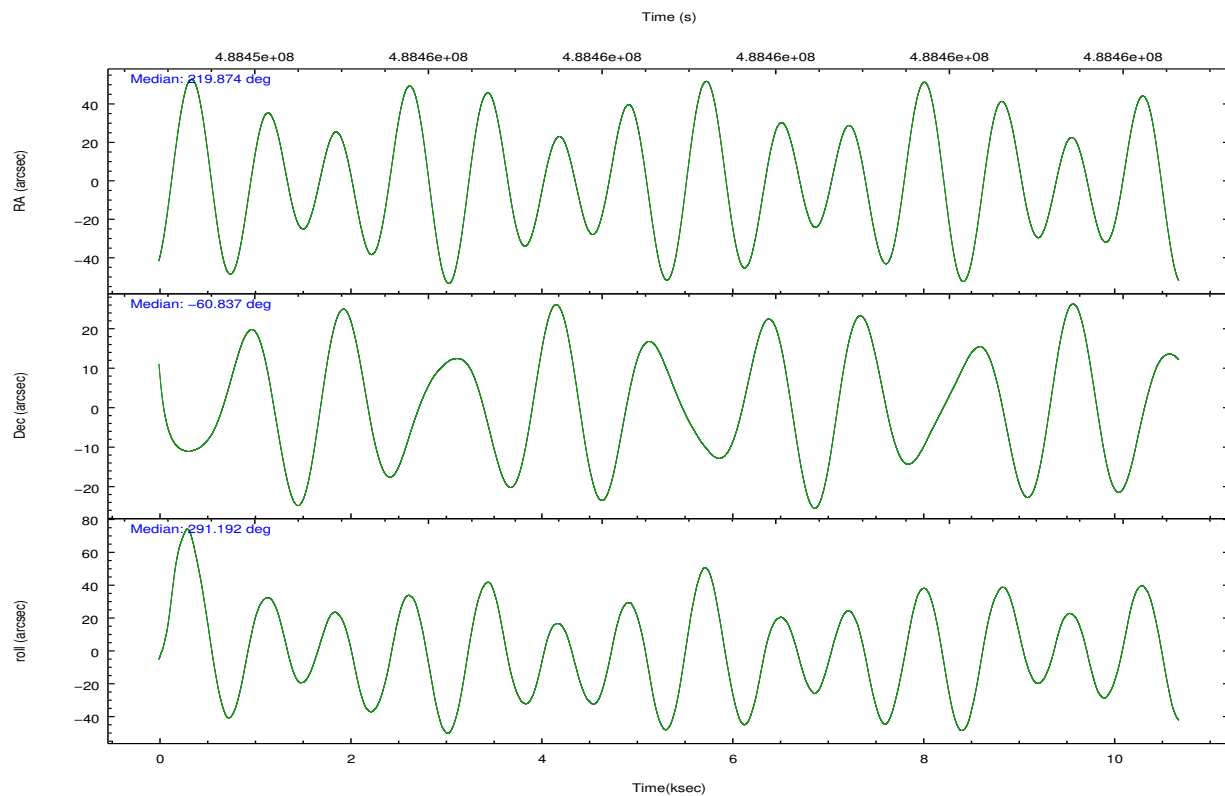
## 2.2 Compared Parameters

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	219.829834	219.8742624996895
[deg] Pointing Dec	-60.820817	-60.83741409509501
[deg] Pointing Roll	291.257509	291.2008136271234
[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)	488453610.184000	488452610.33155
Observation start date	2013-06-24T09:32:23	2013-06-24T09:16:50
[s] Observation end time (MET)	488464110.184000	488464869.33221
Observation end date	2013-06-24T12:27:23	2013-06-24T12:41:09

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

## 2.3 Aspect



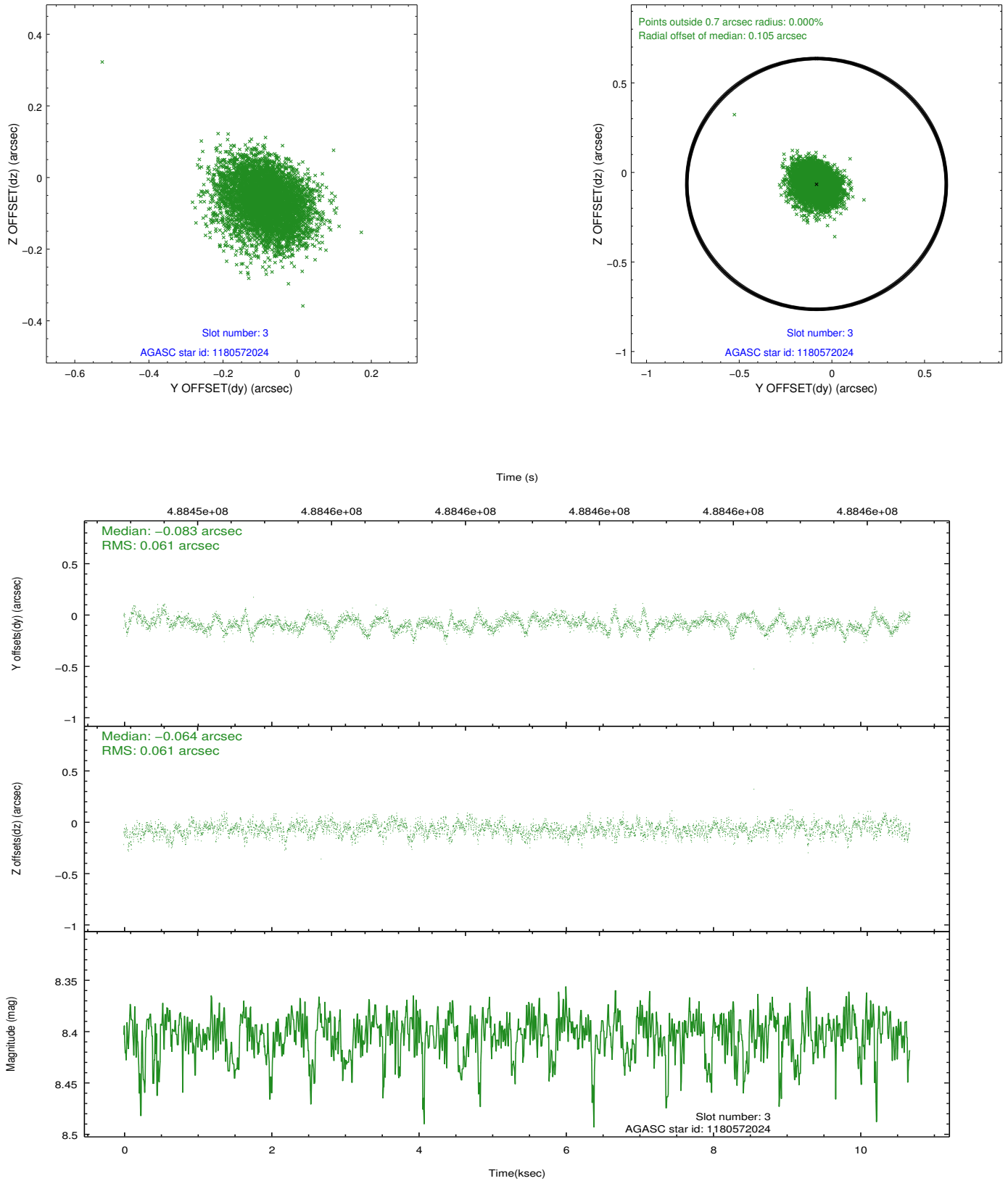


### Slot Statistics

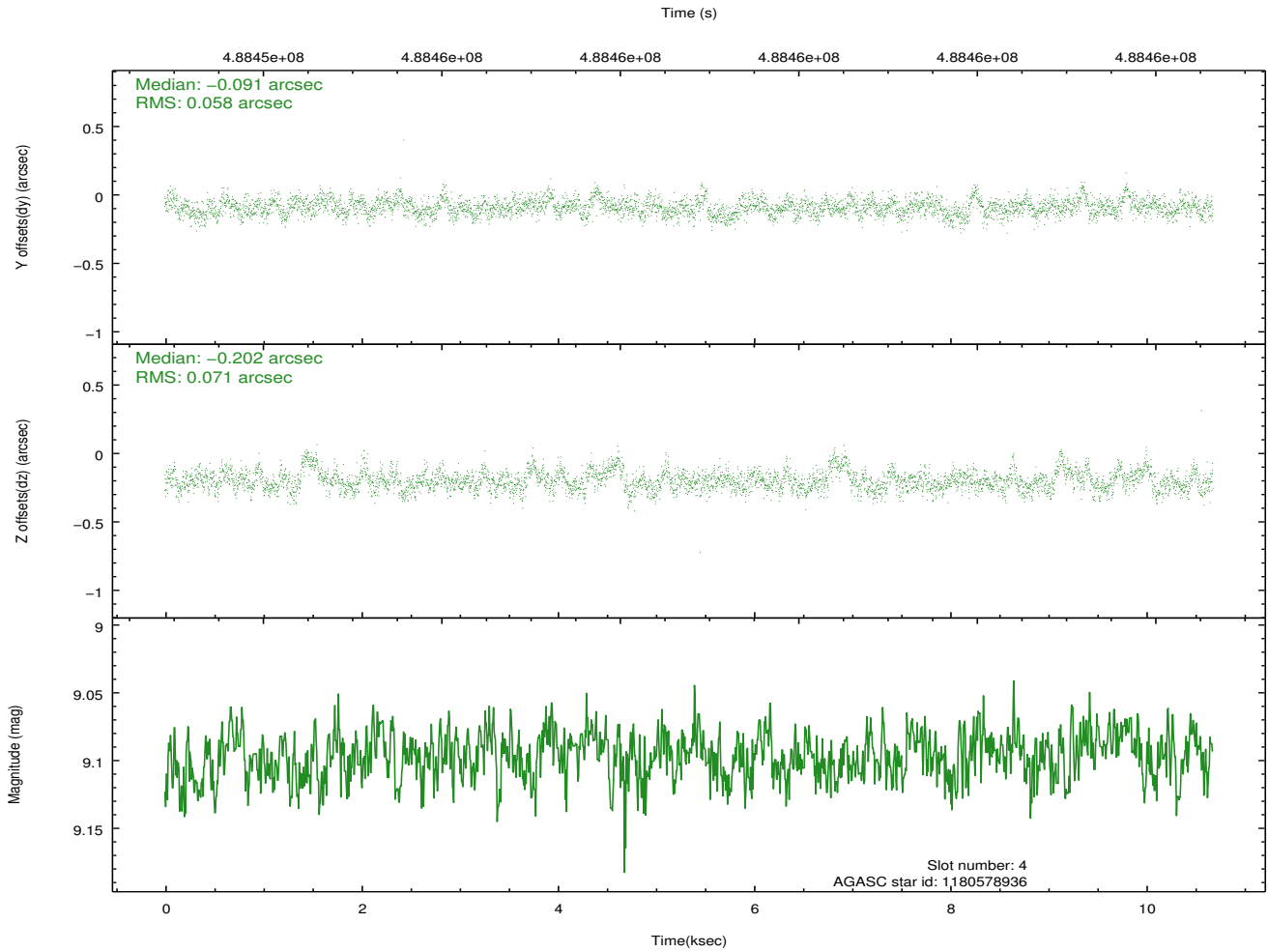
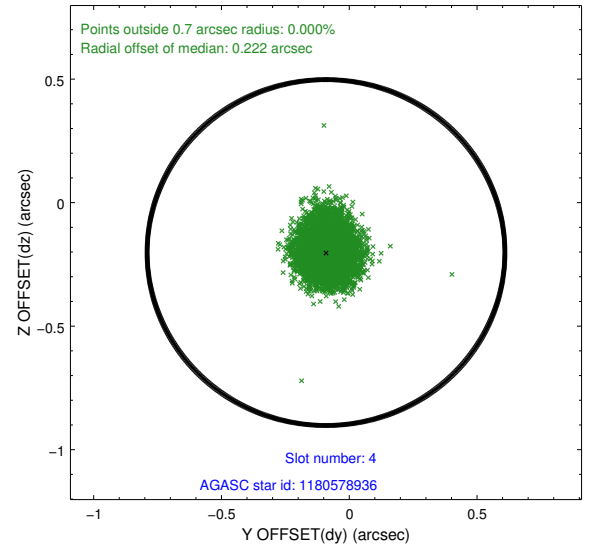
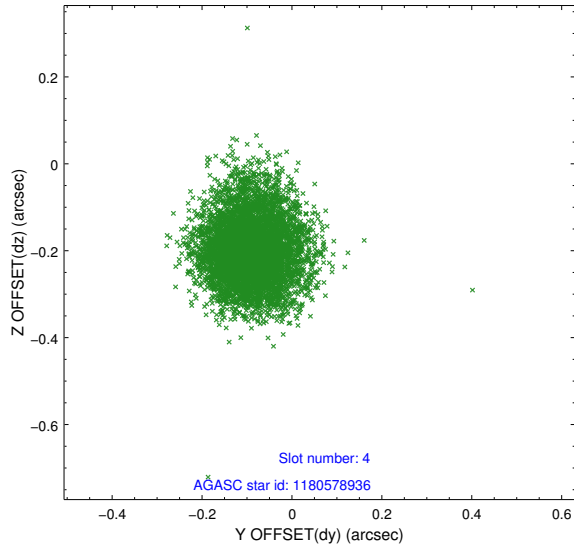
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.05	2606	-0.133	0.005	0.012	0.018	0.000000	0.000000	-780.45	-1308.20
1	FID		HRC-I-2	7.09	2606	0.271	-0.106	0.014	0.032	0.000000	0.000000	832.28	-1310.32
2	FID		HRC-I-3	7.14	2606	-0.020	0.012	0.012	0.027	0.000000	0.000000	-1208.60	995.86
3	GUIDE	used	1180572024	8.40	5196	-0.083	-0.064	0.092	0.149	220.930377	-60.981487	1250.71	1575.27
4	GUIDE	used	1180578936	9.10	5180	-0.091	-0.202	0.098	0.159	220.919358	-61.155393	1823.29	1321.10
5	GUIDE	used	1180589152	9.27	5190	0.010	0.199	0.134	0.225	219.760705	-61.382926	1843.38	-844.43
6	GUIDE	used	1180603392	9.23	5179	0.122	0.058	0.121	0.193	221.526441	-61.206550	2396.67	2223.91
7	GUIDE	used	1180612104	9.00	5194	0.042	0.004	0.108	0.174	220.502279	-60.631704	-197.95	1351.07

## 2.4 Star Slots

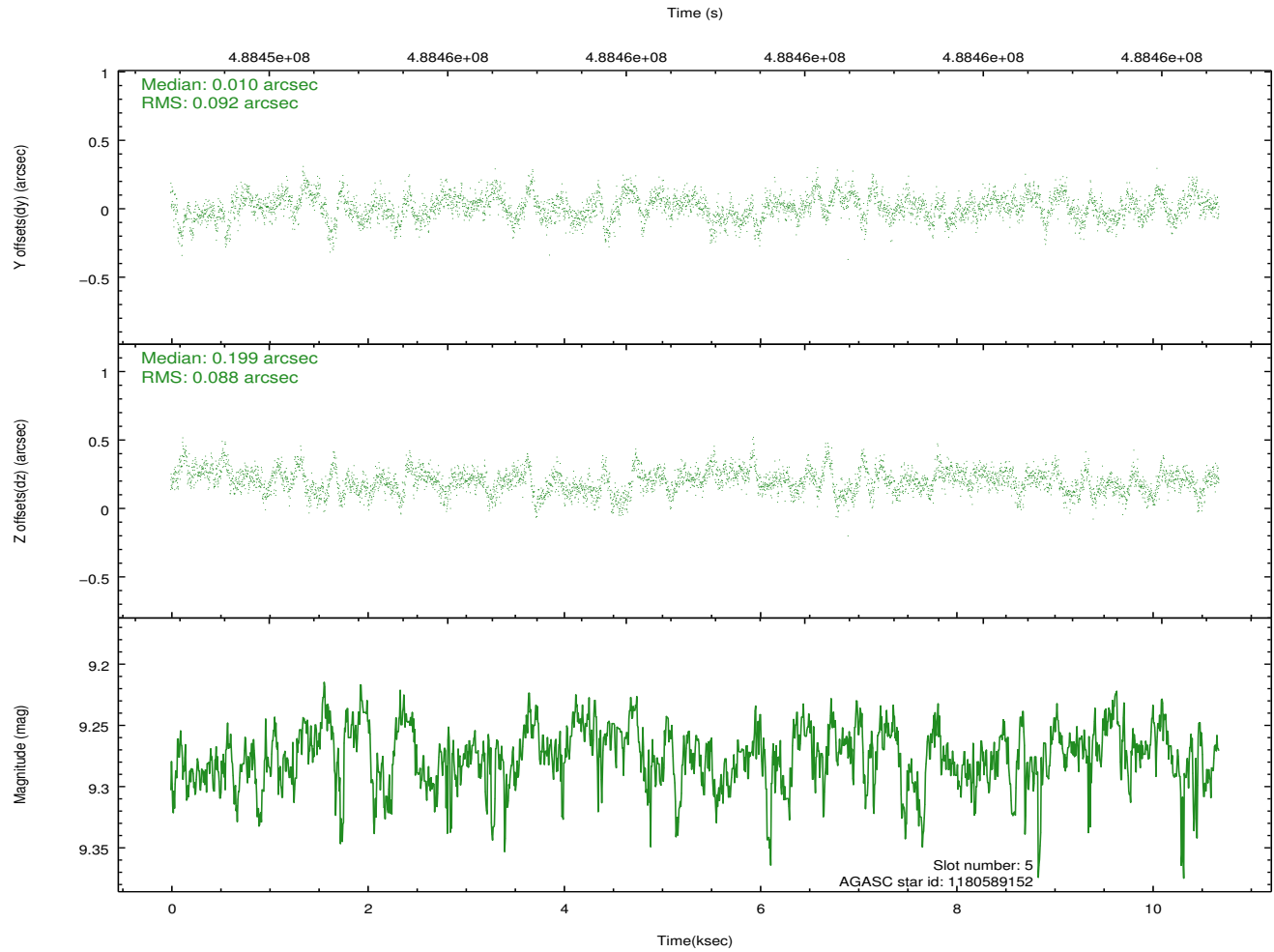
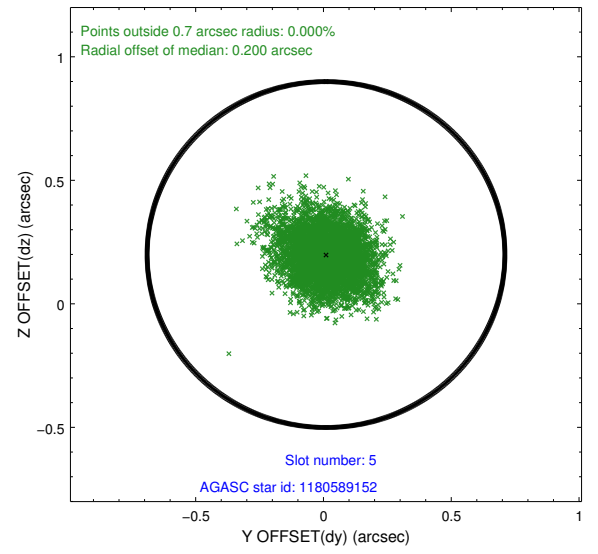
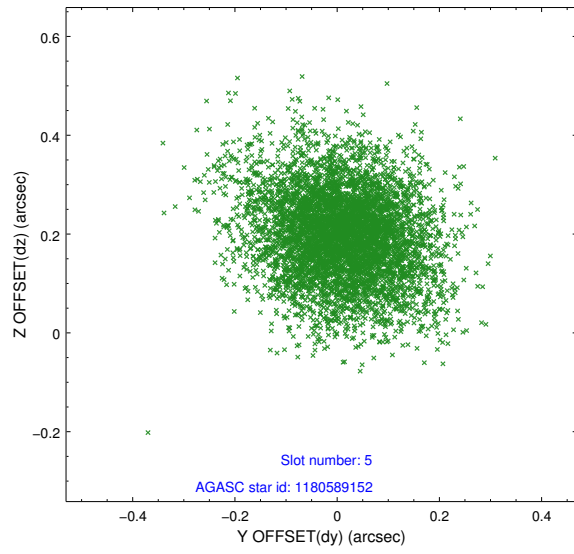
### 2.4.1 Slot 3



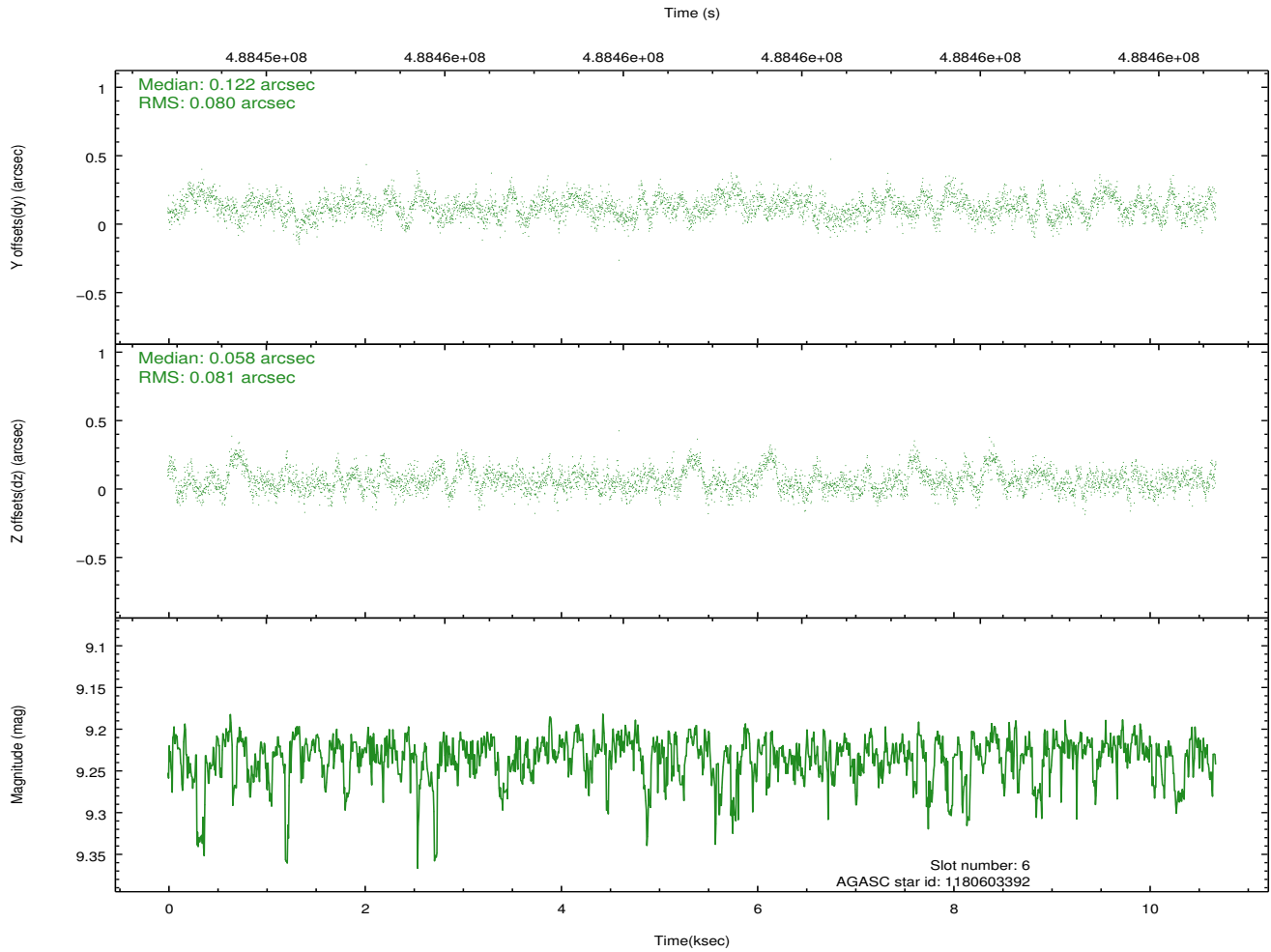
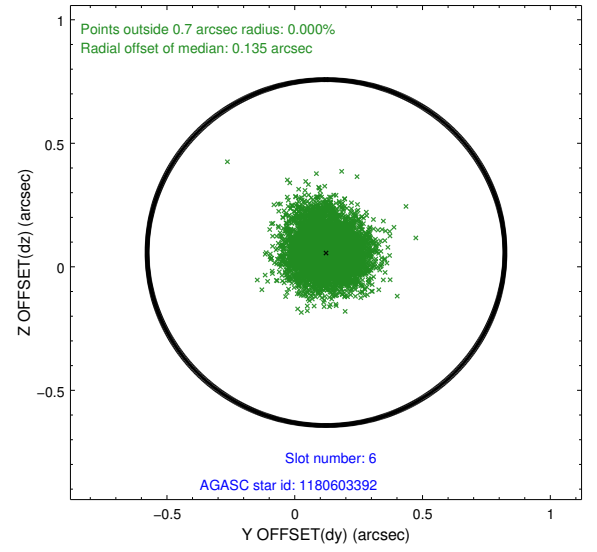
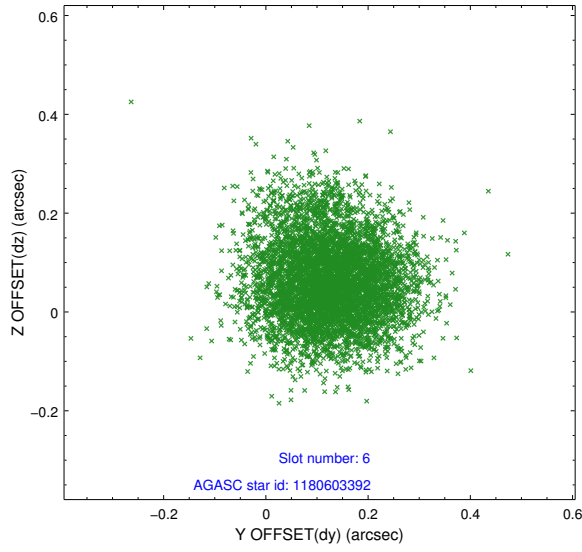
## 2.4.2 Slot 4



### 2.4.3 Slot 5

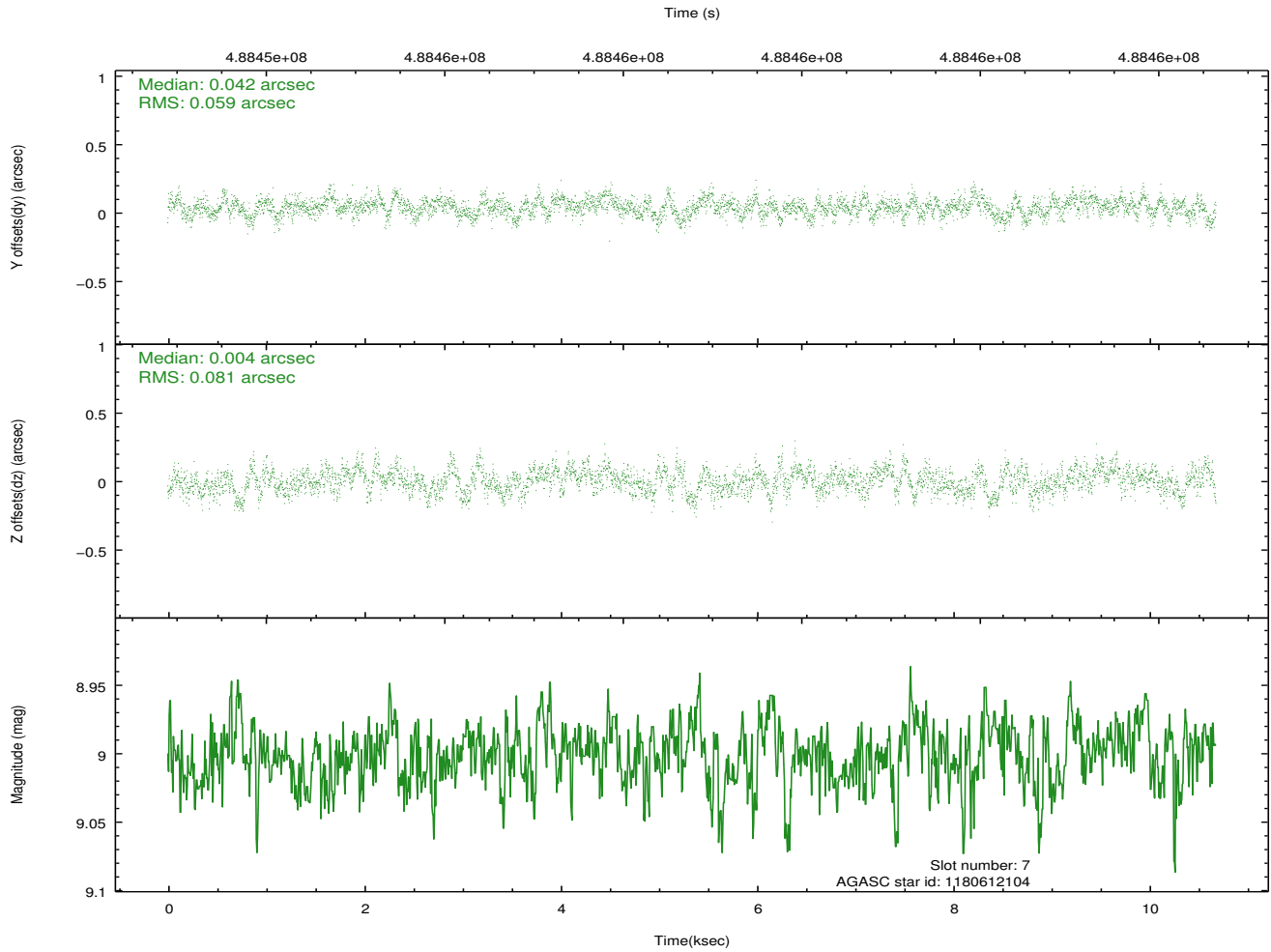
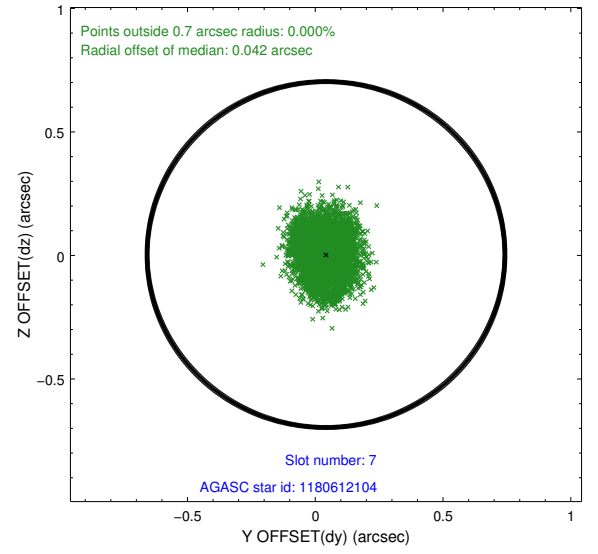
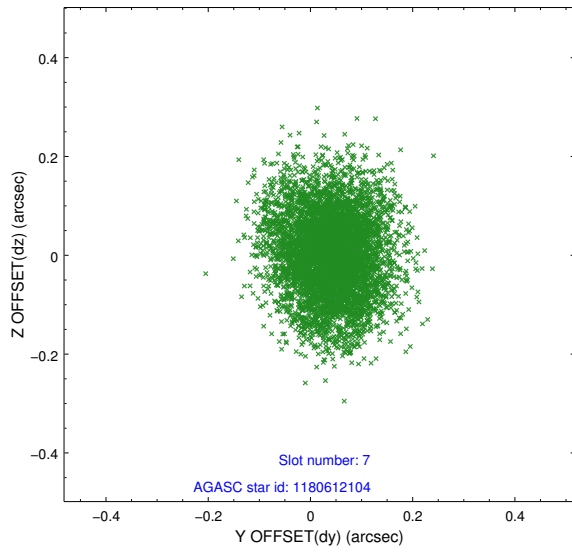


## 2.4.4 Slot 6



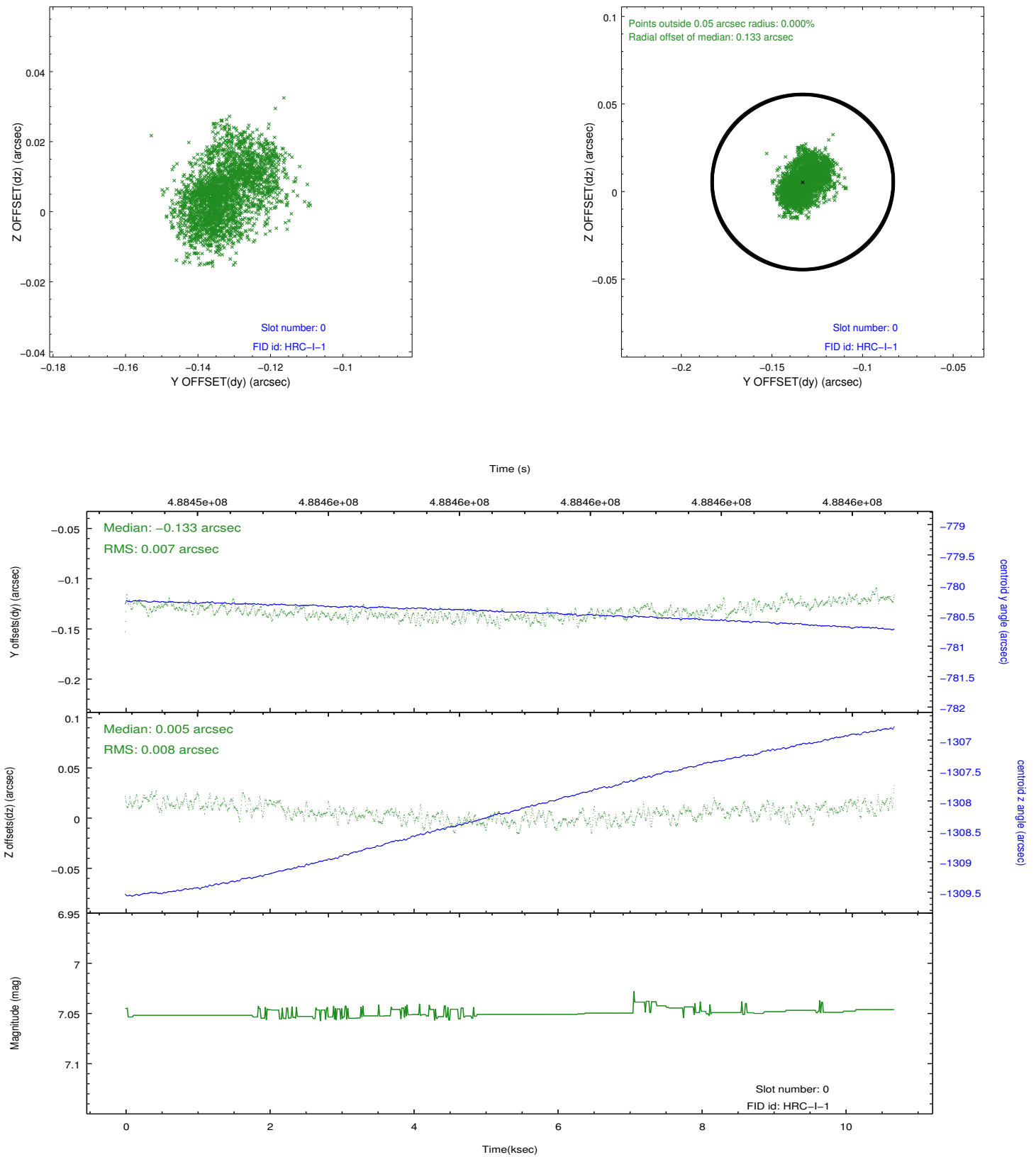


## 2.4.5 Slot 7

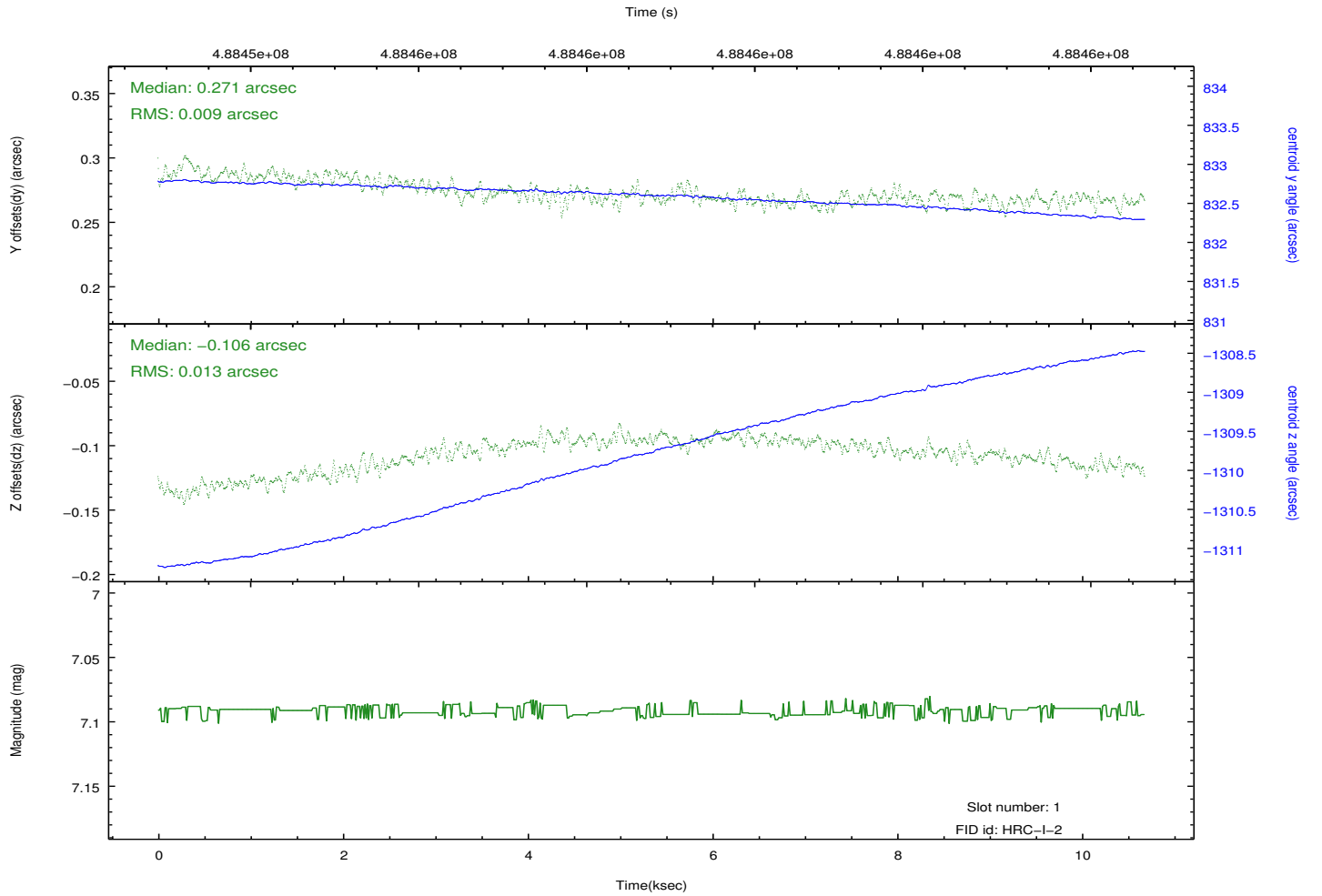
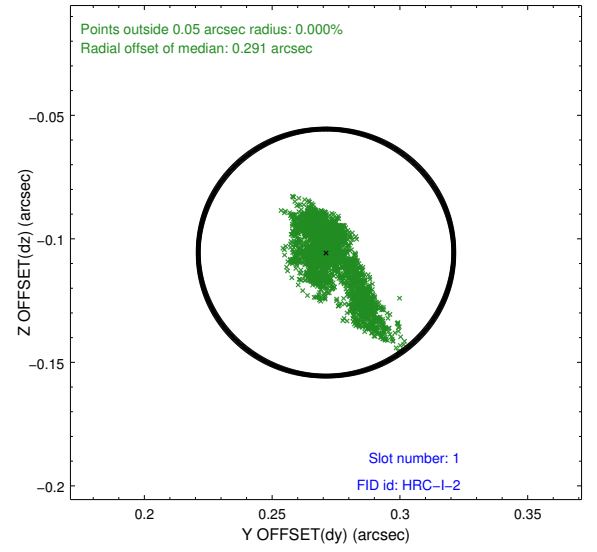
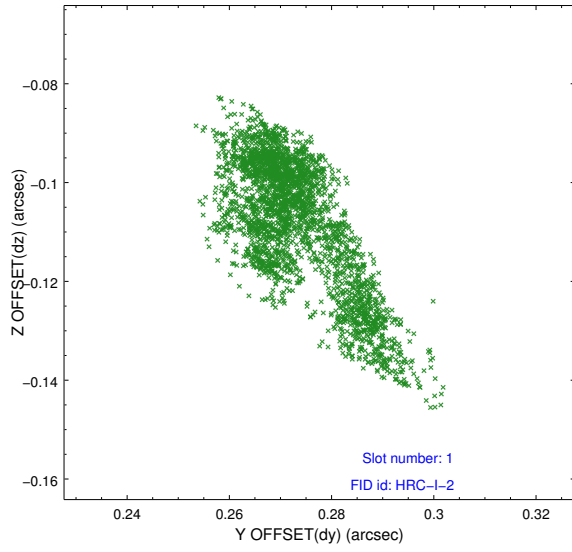


## 2.5 FID Slots

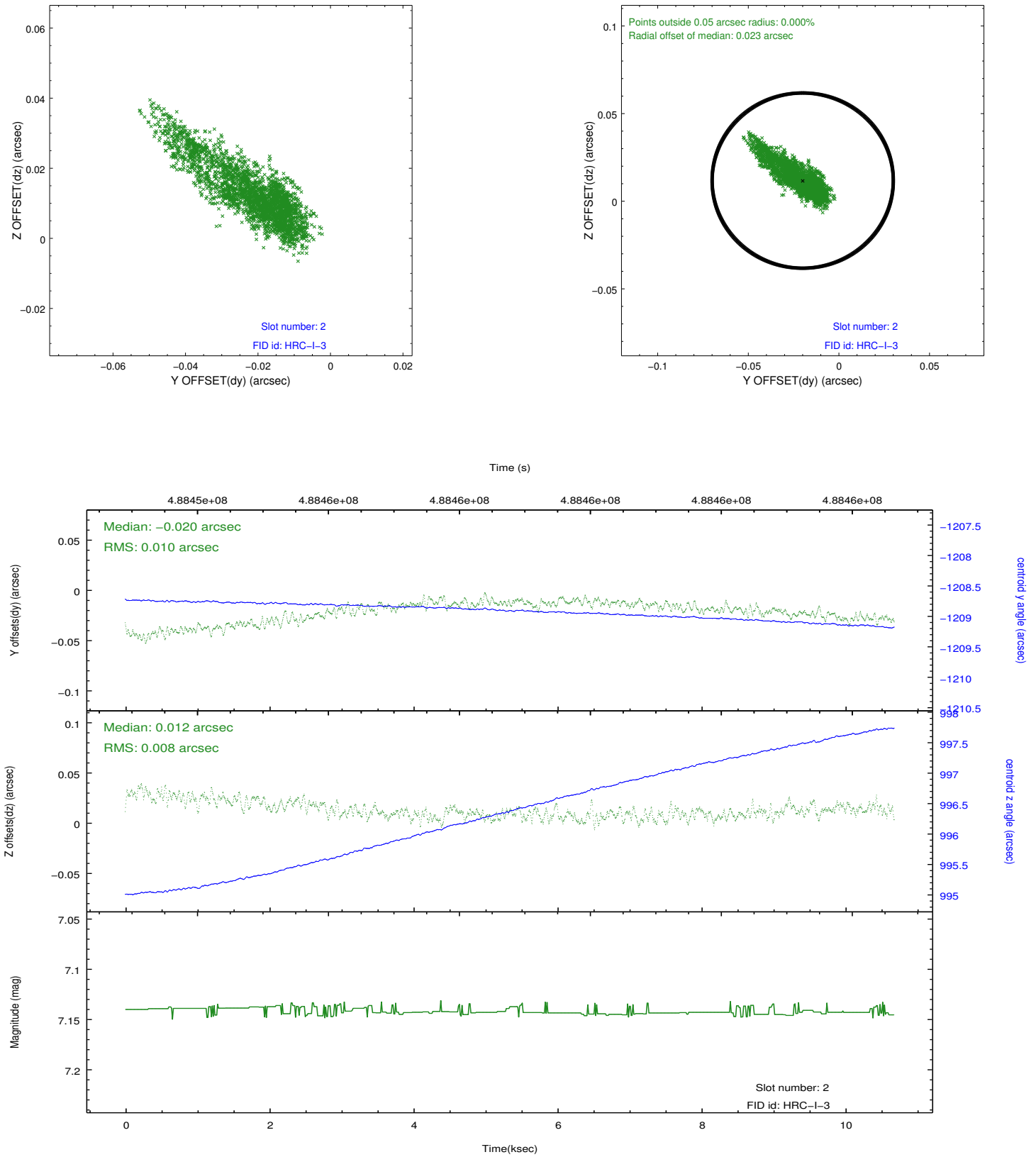
### 2.5.1 Slot 0



## 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)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.681525579751

## A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.