

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 14548 - L2 Version 2  
Chandra X-Ray Center

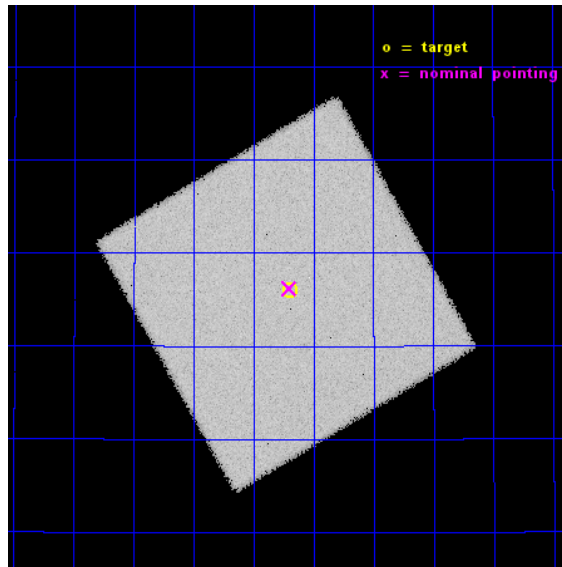
L2 Processing Date : Dec 2 2014

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# 1 Front

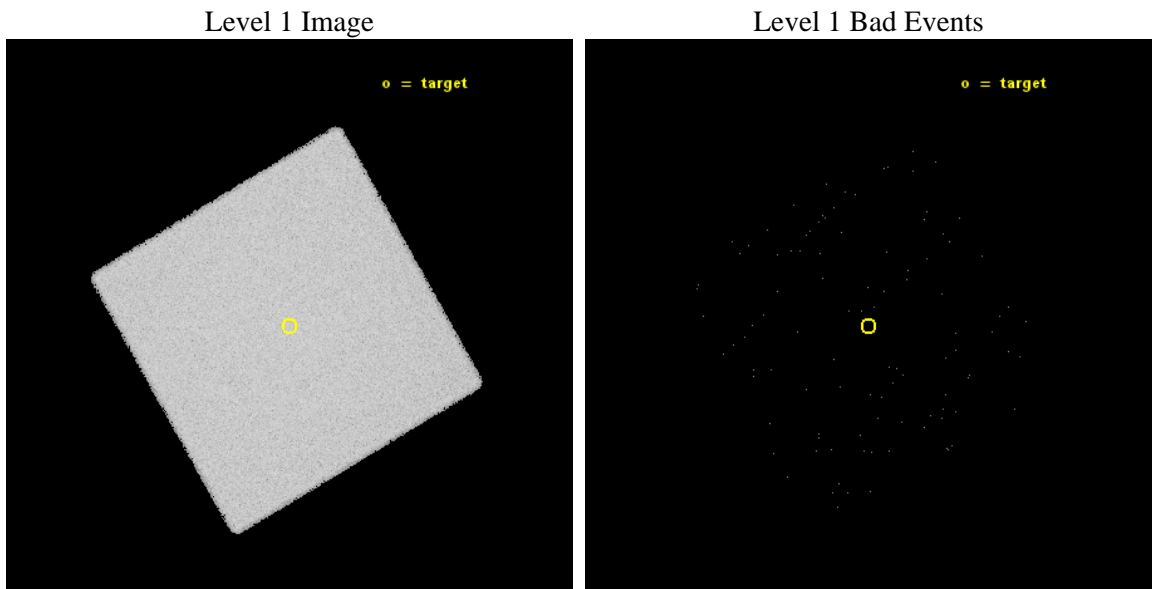
seq_num	200849	Sequence number
obs_id	14548	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	&#160
observer	Mr. Nicola La Palombara	Principal investigator
object	BD+25 4655	Source name
ra_targ	329.925	Observer's specified target RA [deg]
dec_targ	26.432611	Observer's specified target Dec [deg]
ra_nom	329.92521513996	Nominal RA [deg]
dec_nom	26.436701261301	Nominal Dec [deg]
roll_nom	104.892731491	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4184.0502266288	[s]
livetime	4138.6398587096	Ontime multiplied by DTCOR
l2events	405506	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	4184.0502266288	[s]
caldbver	4.6.4	&#160	l1events	561973	Number of level 1 events
date	2014-12-03T03:46:54	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

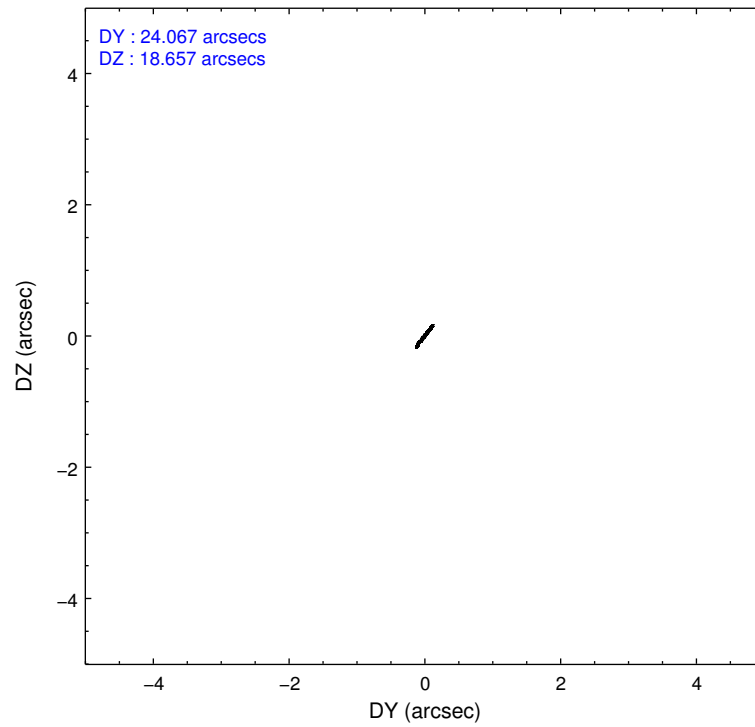
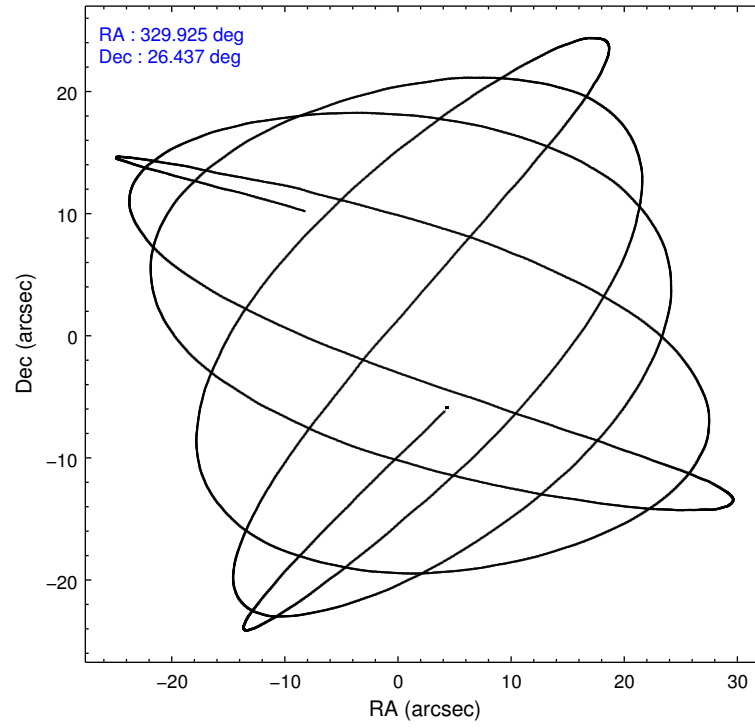
#### Level 1 Events

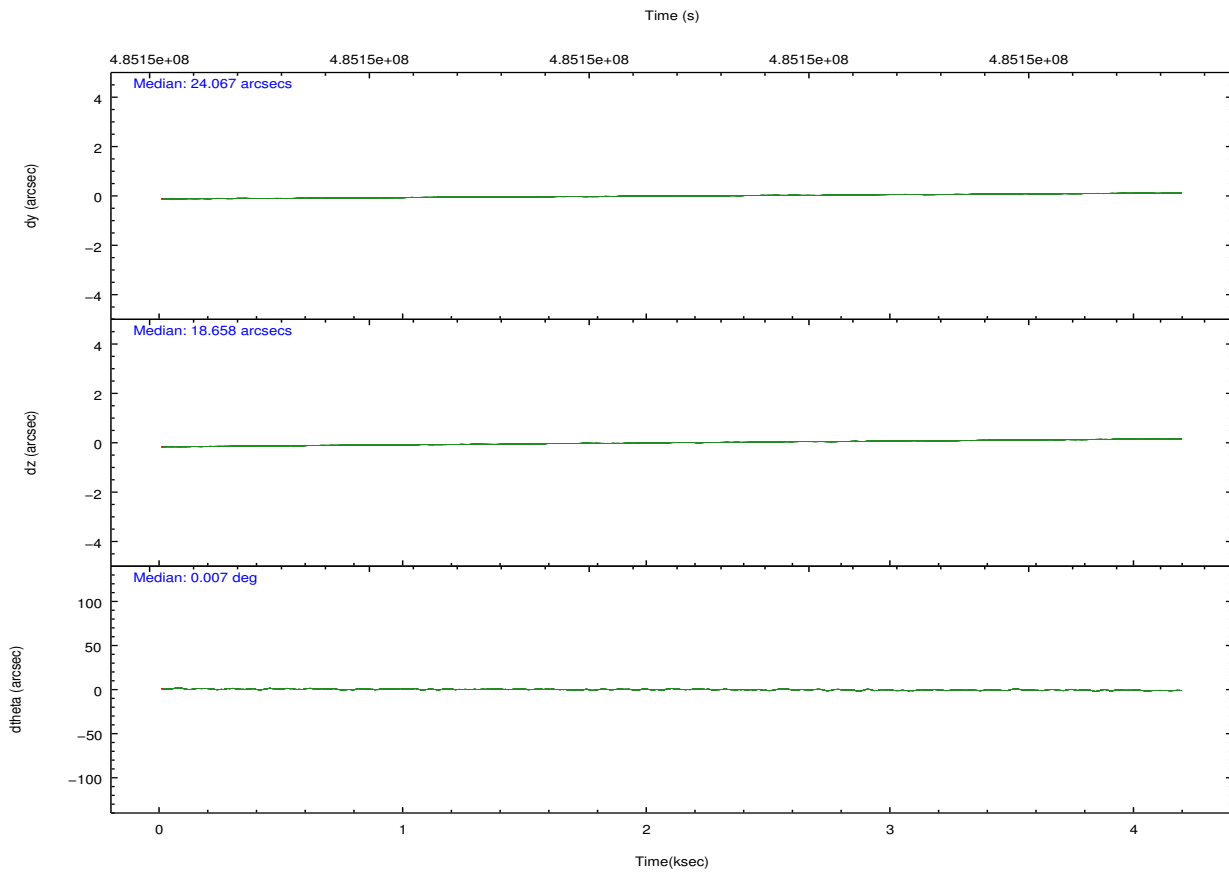
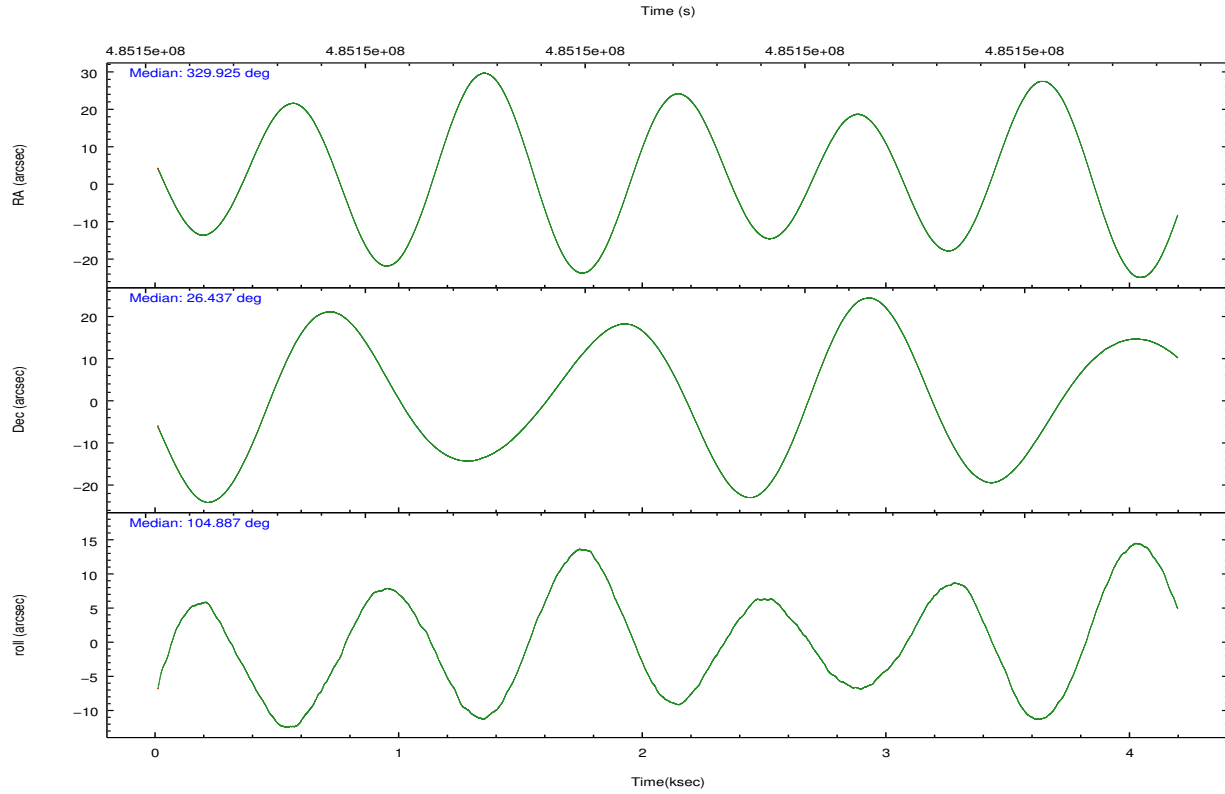
	<b>segment 0</b>
level 1 events	561973
rejected events	35884
rejected %	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	329.947480	329.9252151399649			
[deg] Pointing Dec	26.417980	26.4367012613012			
[deg] Pointing Roll	104.978319	104.8927314910007			
[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)	485149478.184000	485149030.02728			
Observation start date	2013-05-17T03:43:31	2013-05-17T03:37:10			
[s] Observation end time (MET)	485153478.184000	485154304.67757			
Observation end date	2013-05-17T04:50:11	2013-05-17T05:05:04			

## 2.3 Aspect





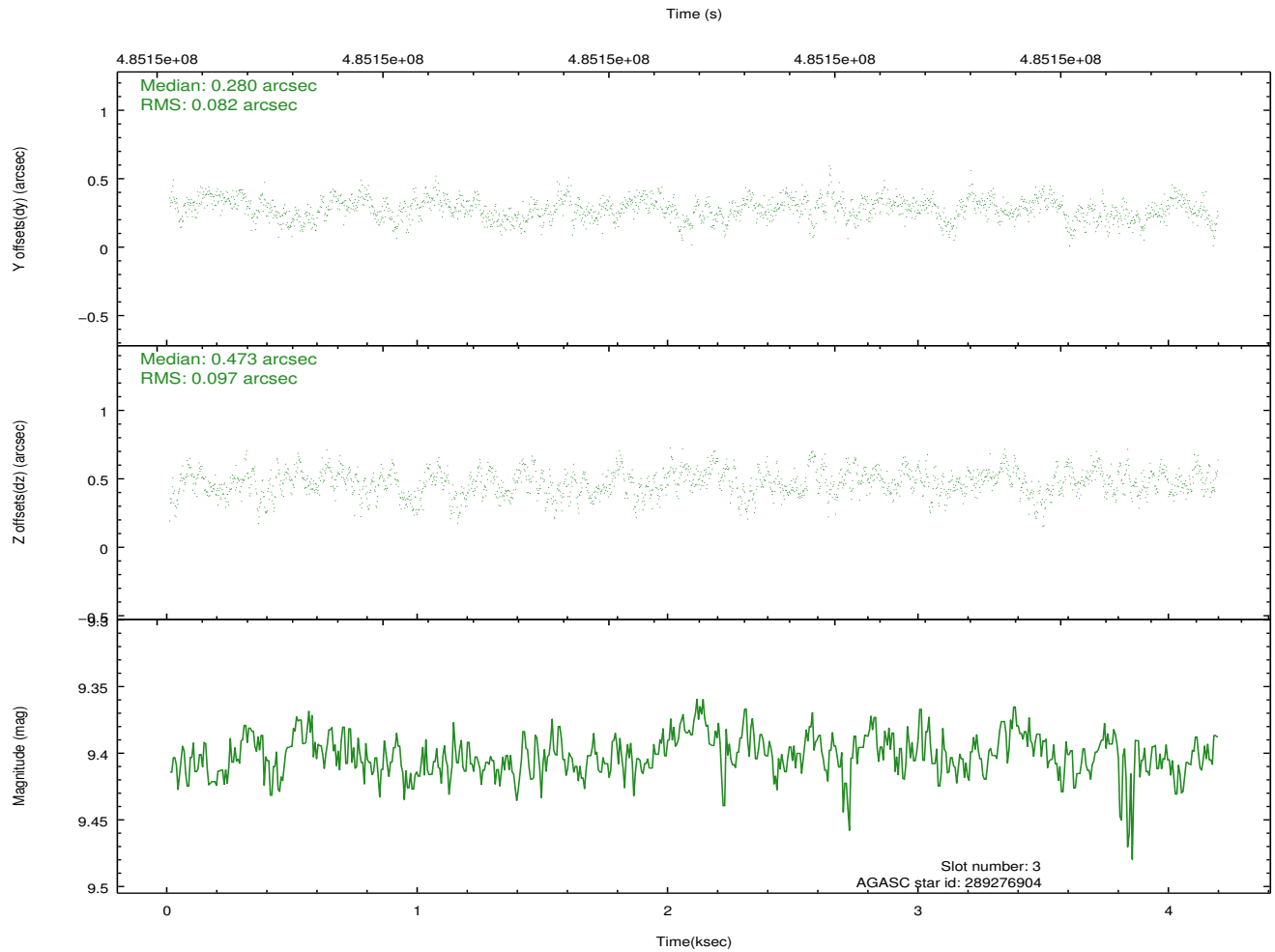
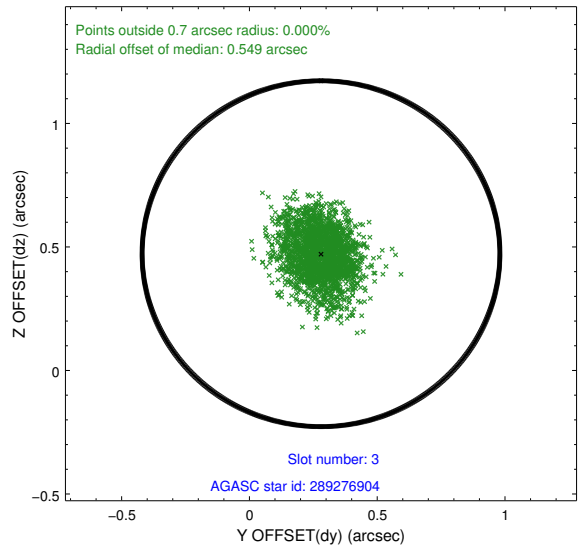
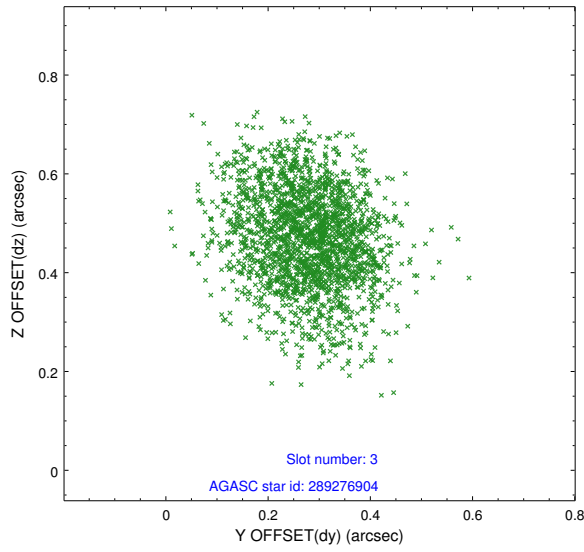
### Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.95	1022	-0.107	0.041	0.008	0.014	0.000000	0.000000	-780.19	-1306.83
1	FID		HRC-I-2	7.00	1022	0.232	-0.097	0.007	0.013	0.000000	0.000000	832.02	-1309.77
2	FID		HRC-I-3	7.04	1022	-0.006	-0.033	0.007	0.011	0.000000	0.000000	-1207.82	996.37
3	GUIDE	used	289276904	9.40	2041	0.280	0.473	0.135	0.221	330.659358	25.952395	-2208.38	-1796.00
4	GUIDE	used	289804592	7.80	2042	-0.058	-0.093	0.085	0.135	330.297671	26.830202	1143.75	-1472.50
5	GUIDE	used	289809744	7.85	2043	0.214	0.090	0.086	0.136	330.430826	26.377909	-537.92	-1471.19
6	GUIDE	used	289817232	7.97	2043	-0.575	-0.339	0.088	0.133	329.514472	26.539015	783.08	1232.07
7	GUIDE	used	289811488	9.21	2034	0.138	-0.132	0.156	0.278	330.488596	27.229136	2378.05	-2429.36

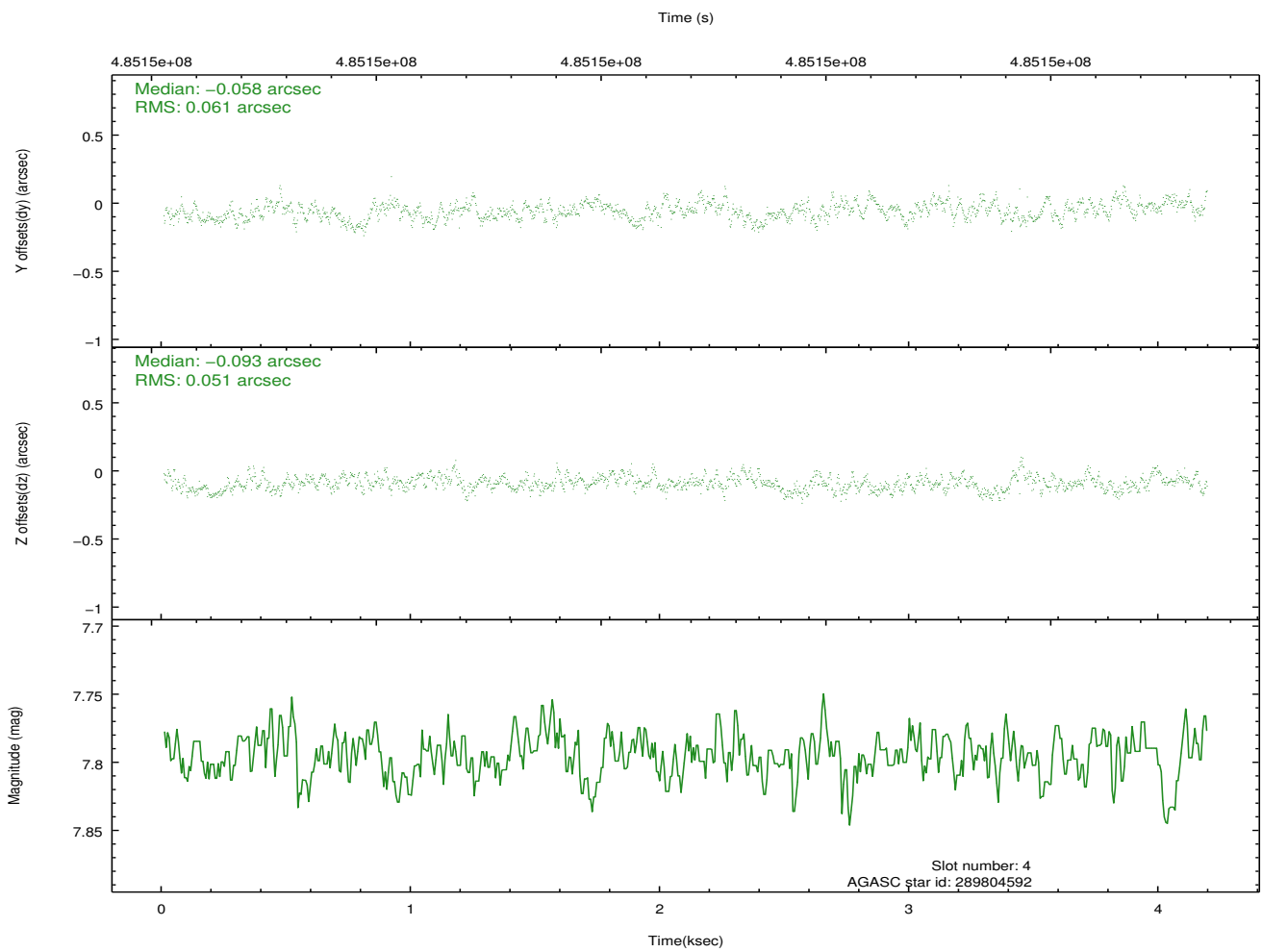
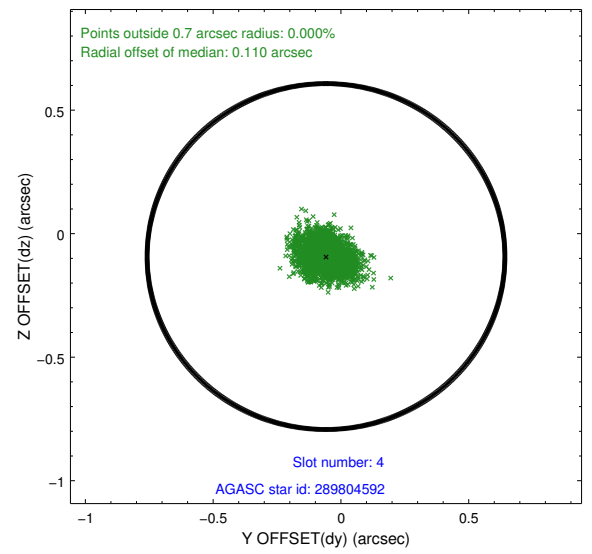
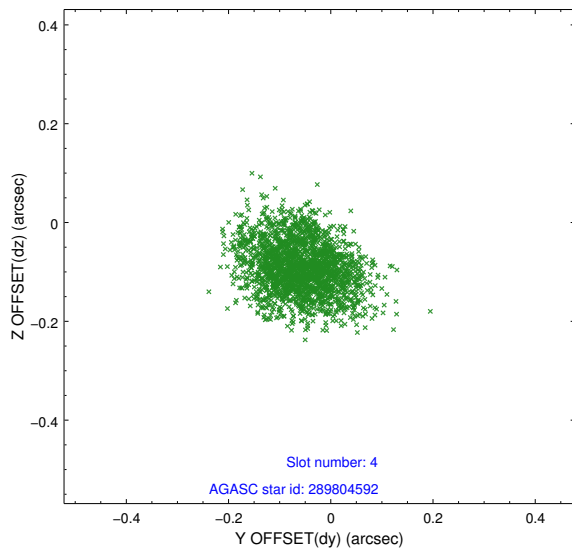
∞

## 2.4 Star Slots

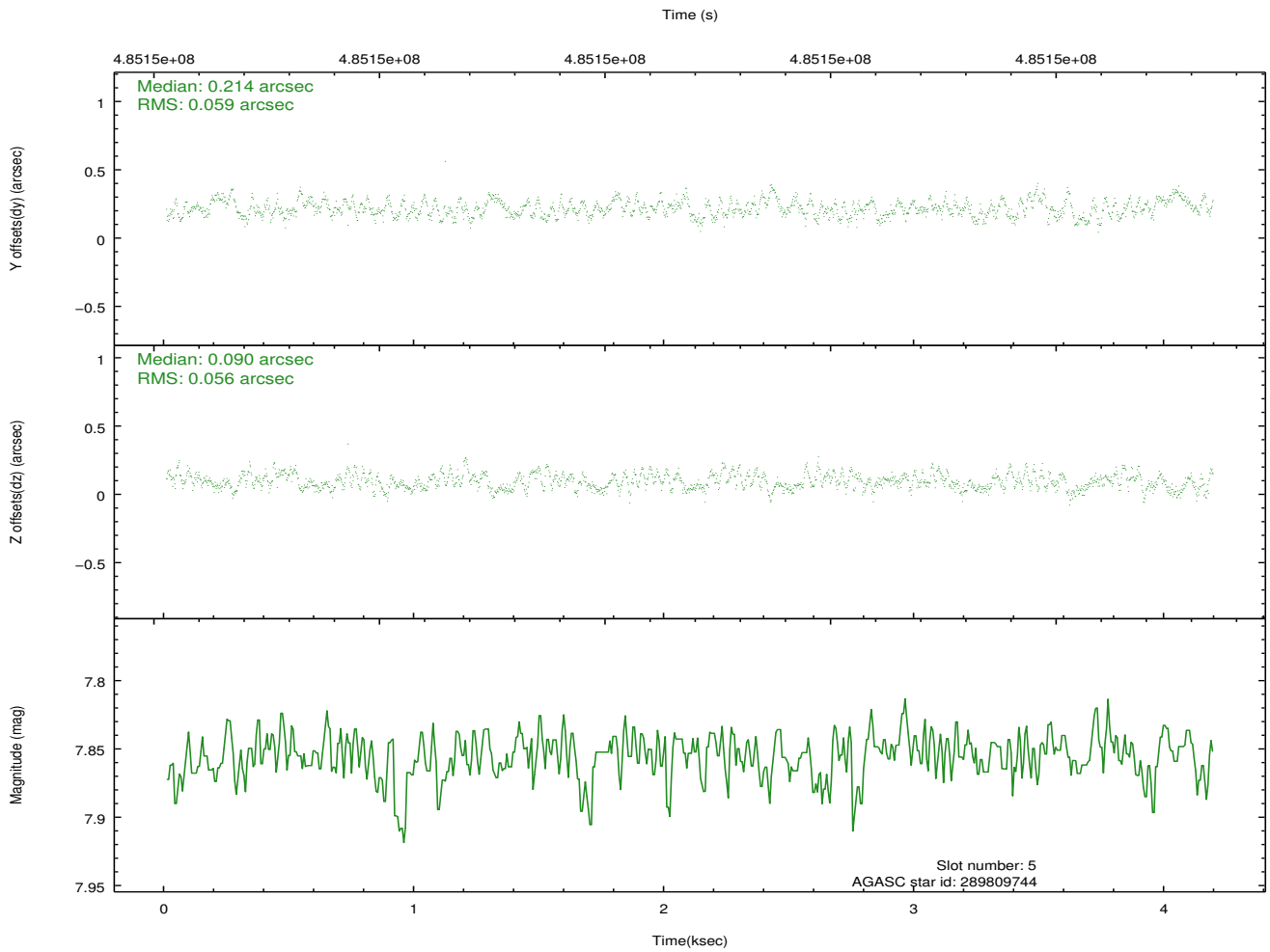
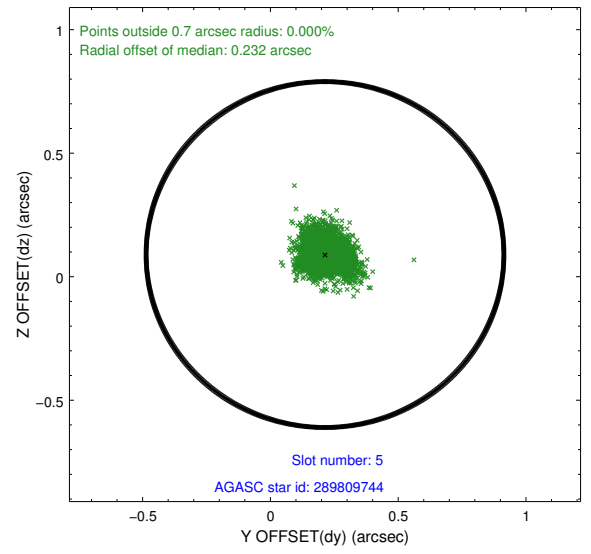
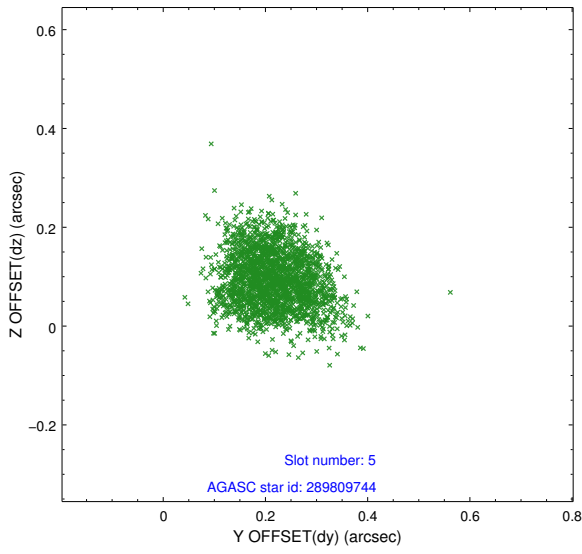
### 2.4.1 Slot 3



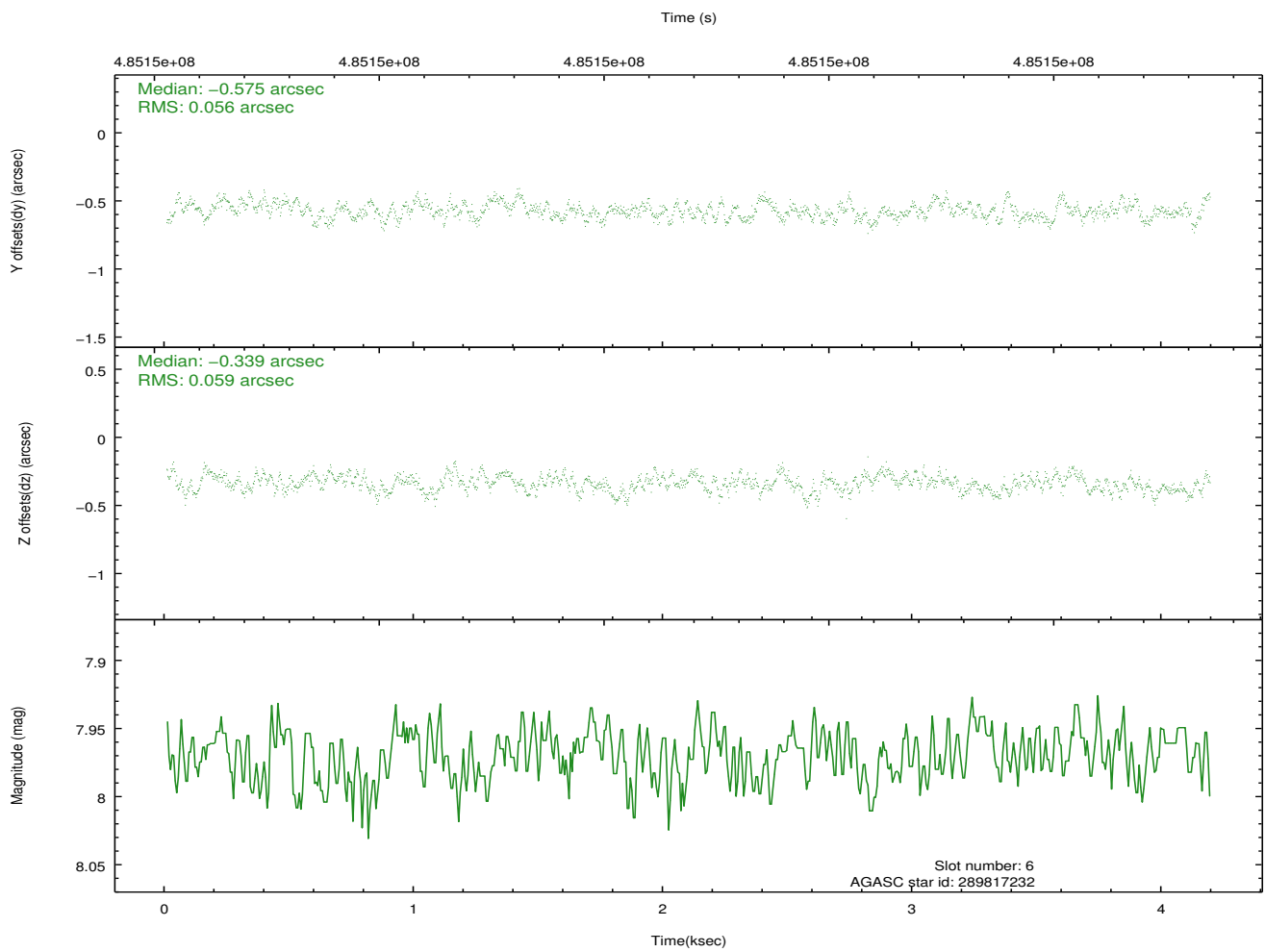
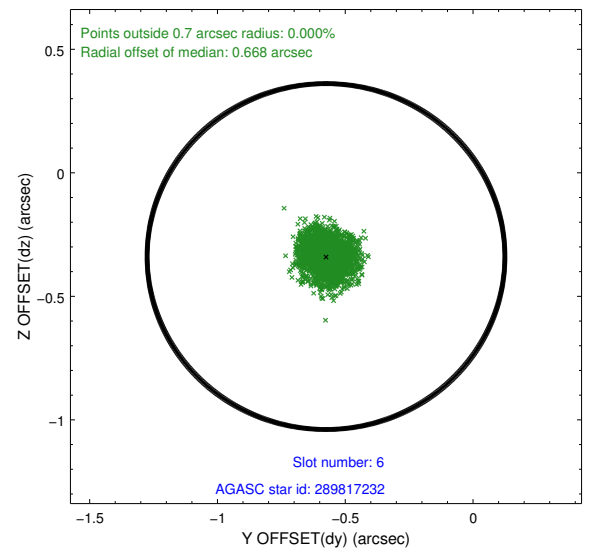
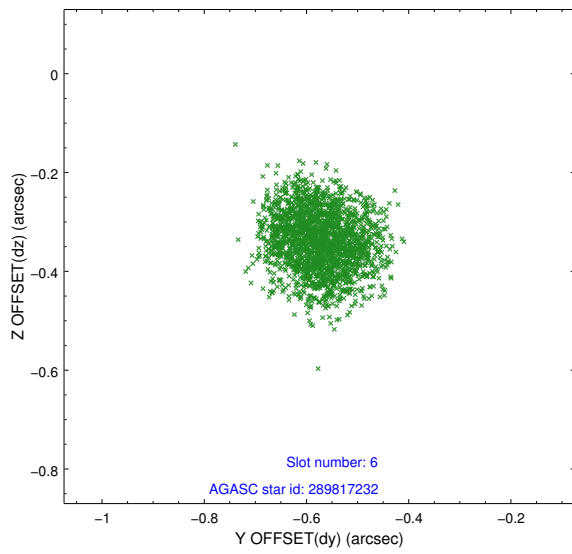
## 2.4.2 Slot 4



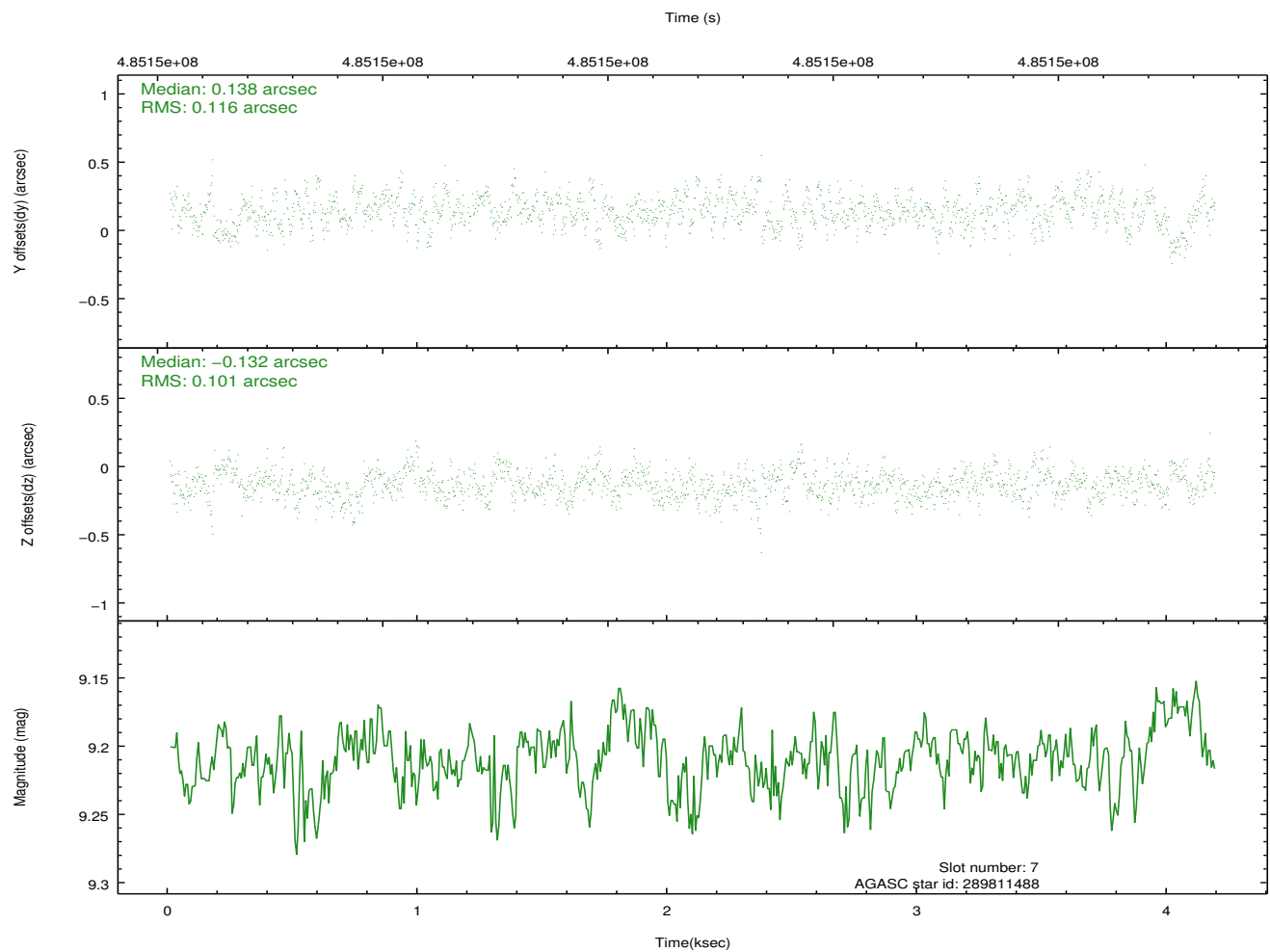
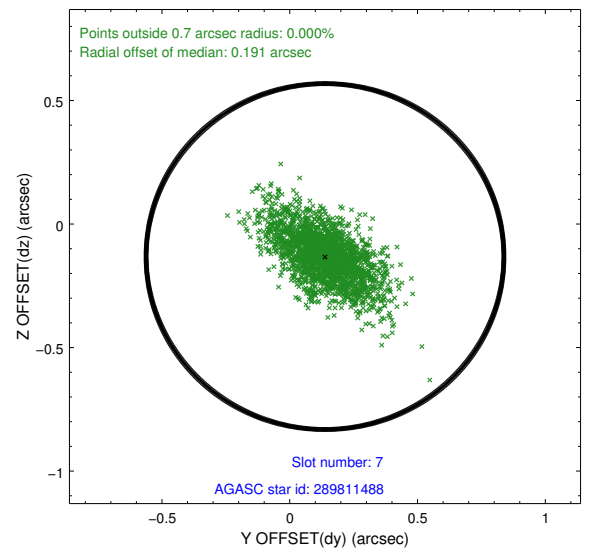
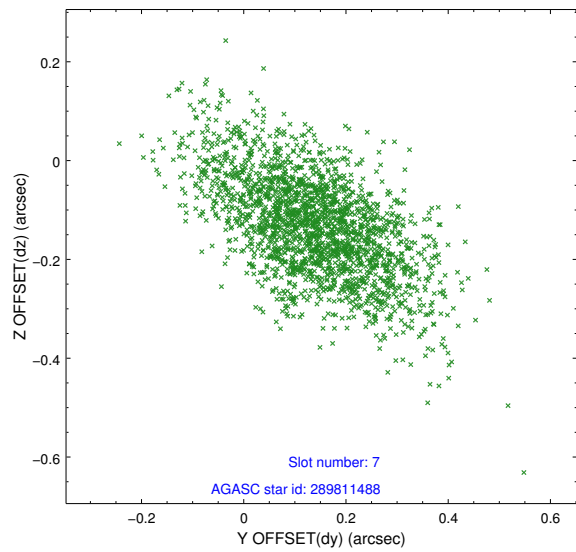
### 2.4.3 Slot 5



## 2.4.4 Slot 6

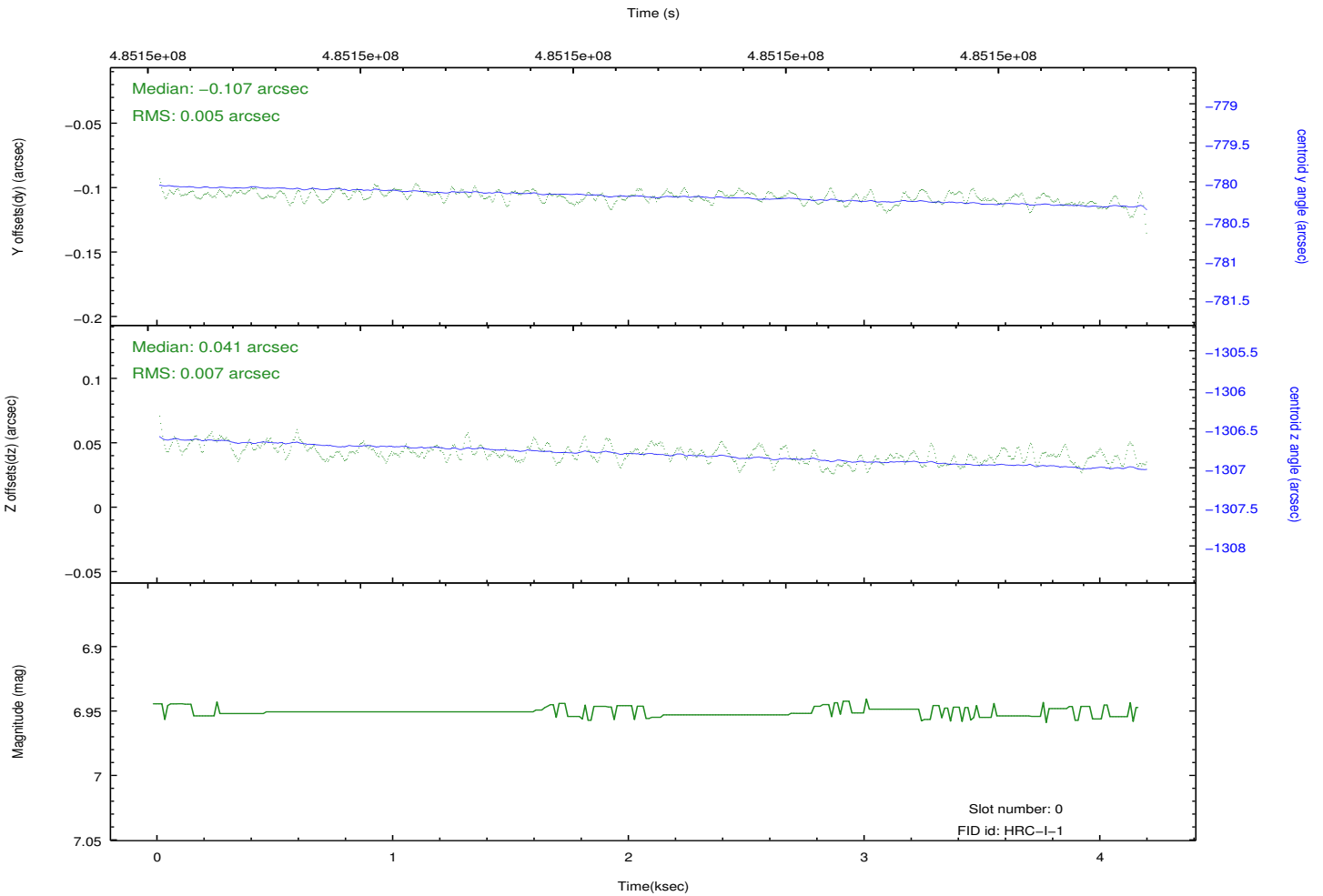
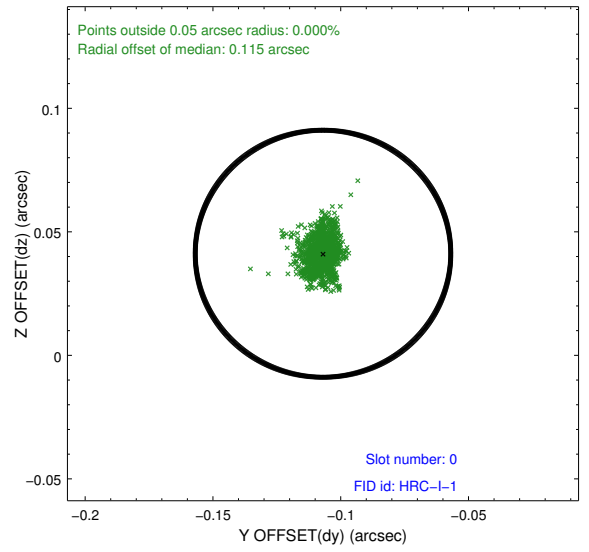
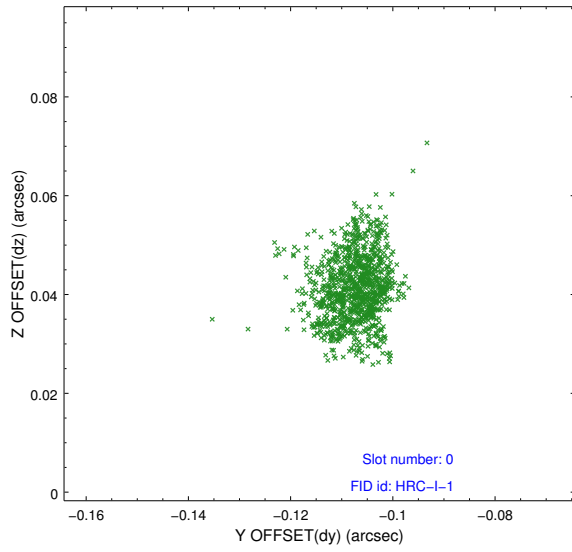


## 2.4.5 Slot 7

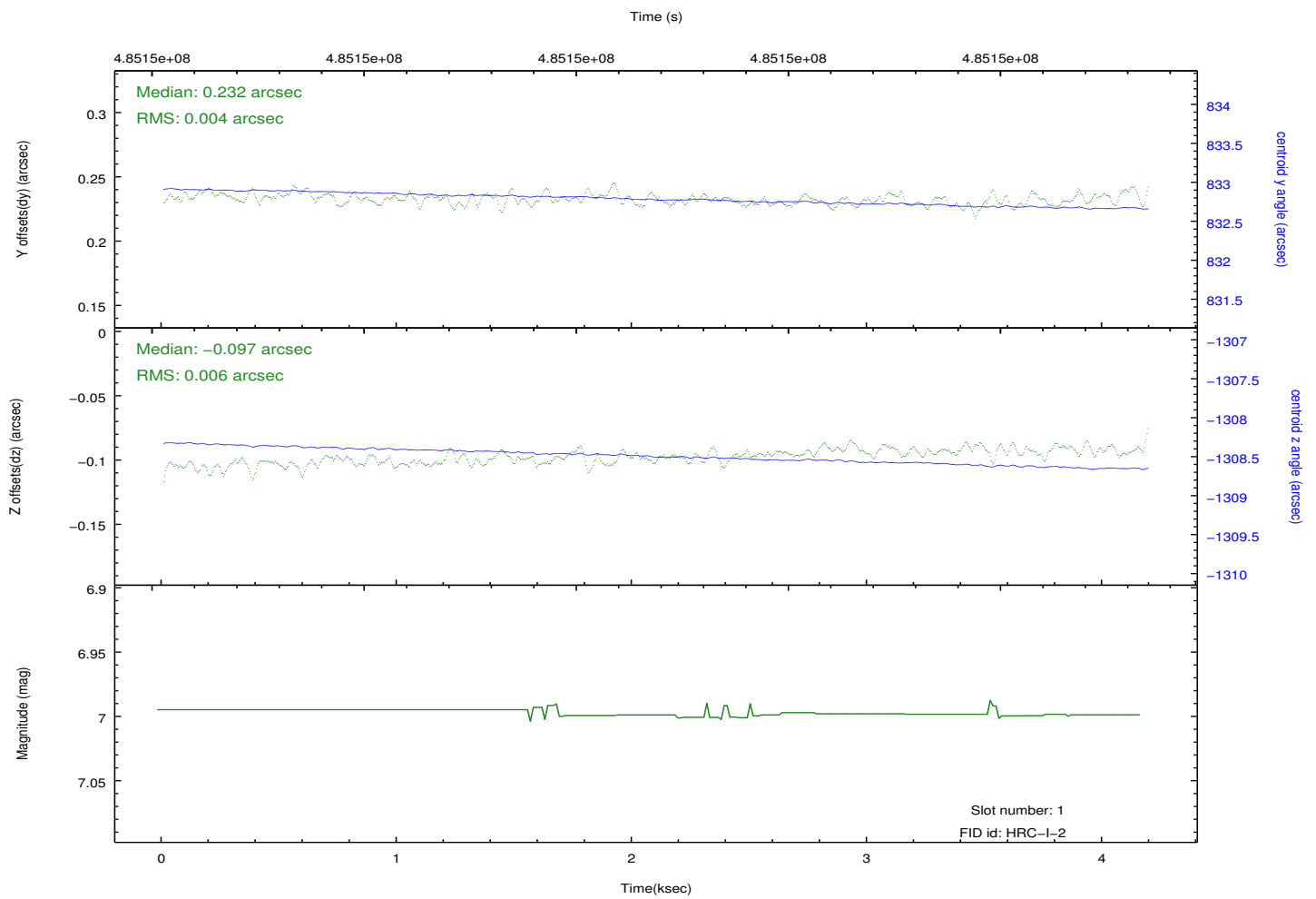
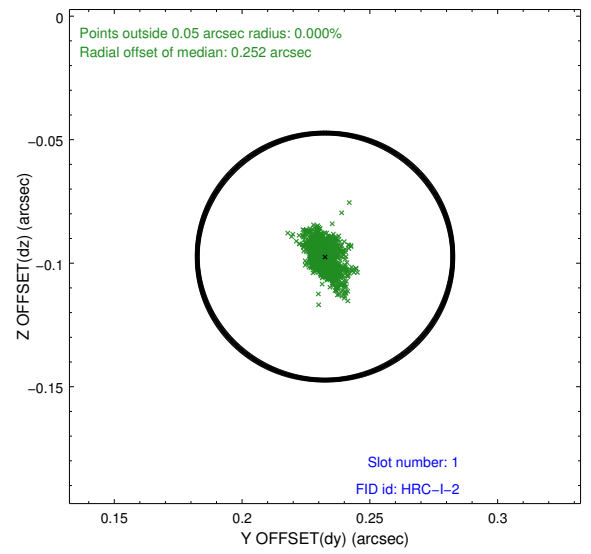
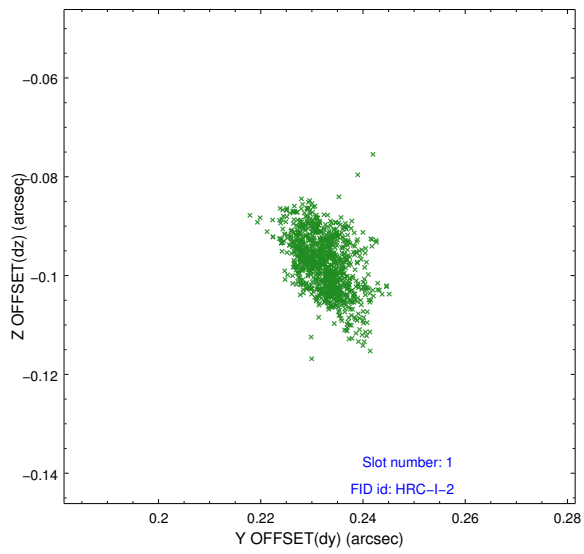


## 2.5 FID Slots

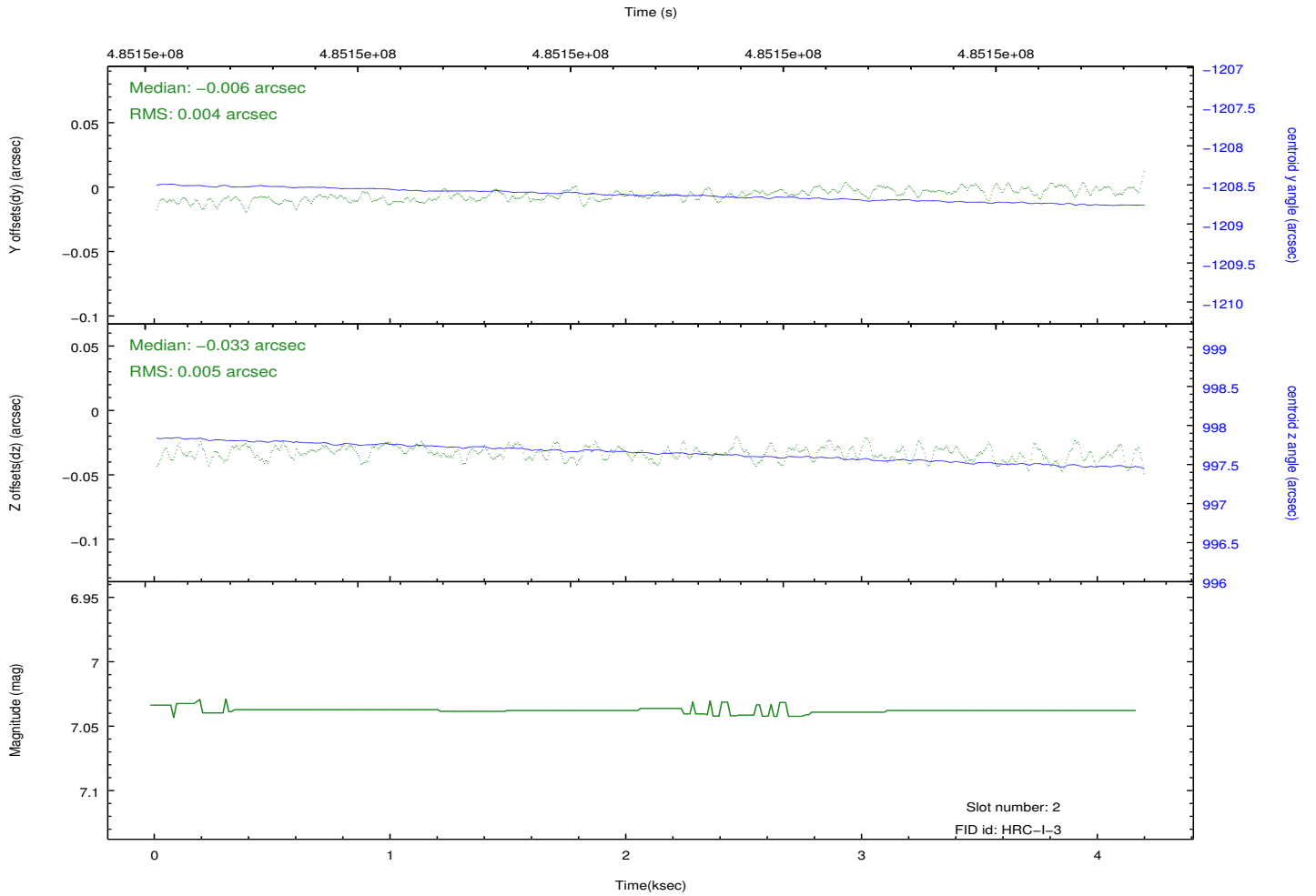
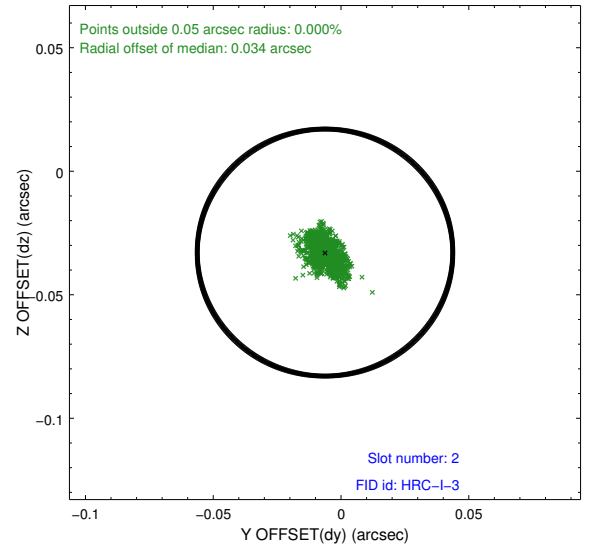
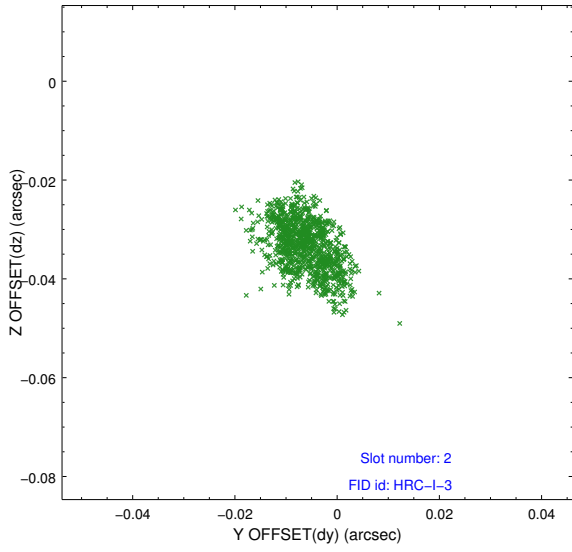
### 2.5.1 Slot 0



## 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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1840502266288

## 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.