

# V&V Reference Report

## L2 ASCDS Version : 10.4

Observation 14918 - L2 Version 3  
Chandra X-Ray Center

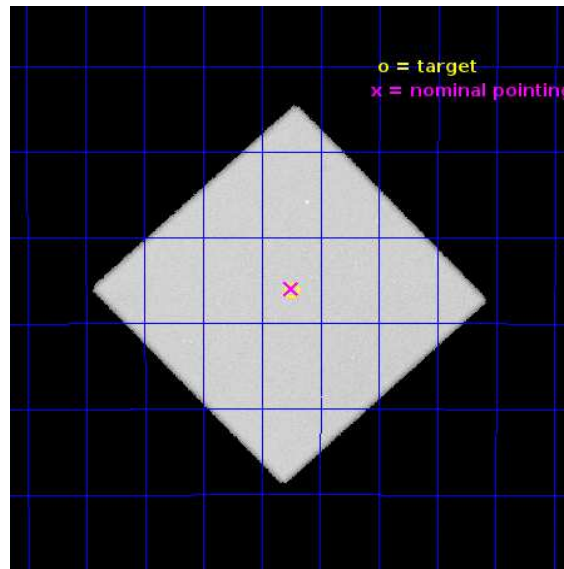
L2 Processing Date : Jun 10 2015

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# 1 Front

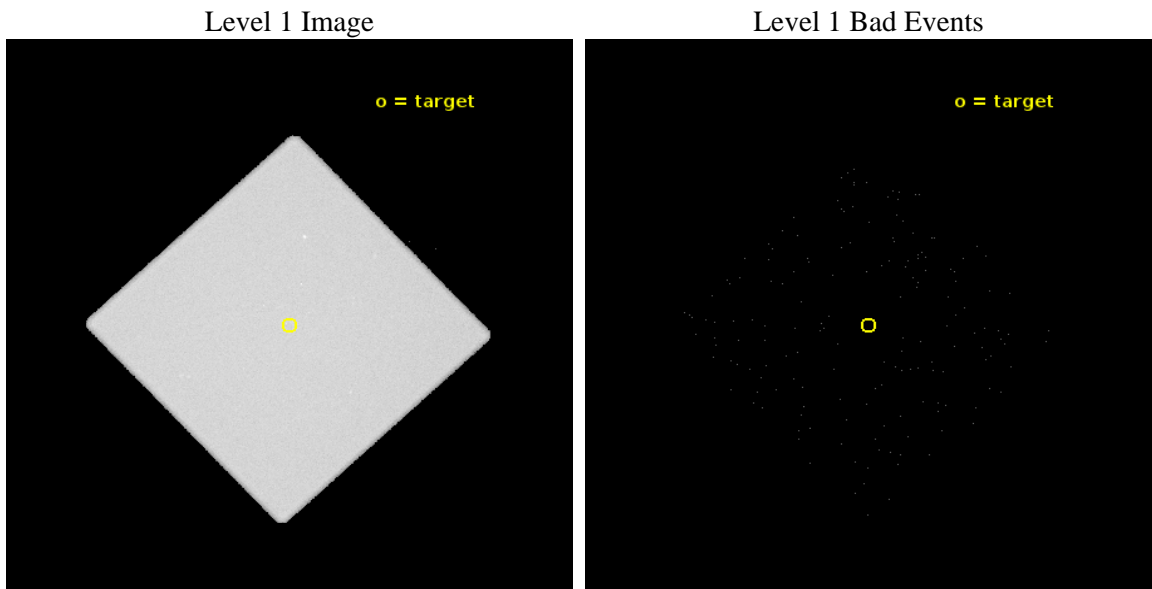
seq_num	601048	Sequence number
obs_id	14918	Observation id
title	Seeing through Baade's Window: Discovering X-Ray Sources that have Long-Term Optical Light Curves	Proposal title
observer	Dr. Rosanne Di Stefano	Principal investigator
object	Baade's Window HRC-3	Source name
ra_targ	270.31	Observer's specified target RA [deg]
dec_targ	-28.770194	Observer's specified target Dec [deg]
ra_nom	270.31165942652	Nominal RA [deg]
dec_nom	-28.766233681808	Nominal Dec [deg]
roll_nom	91.843000047614	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29853.382894635	[s]
livetime	29598.891655434	Ontime multiplied by DTCOR
l2events	2138347	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	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	29853.382894635	[s]
caldbver	4.6.7	&#160	l1events	2960677	Number of level 1 events
date	2015-06-10T14:44:00	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

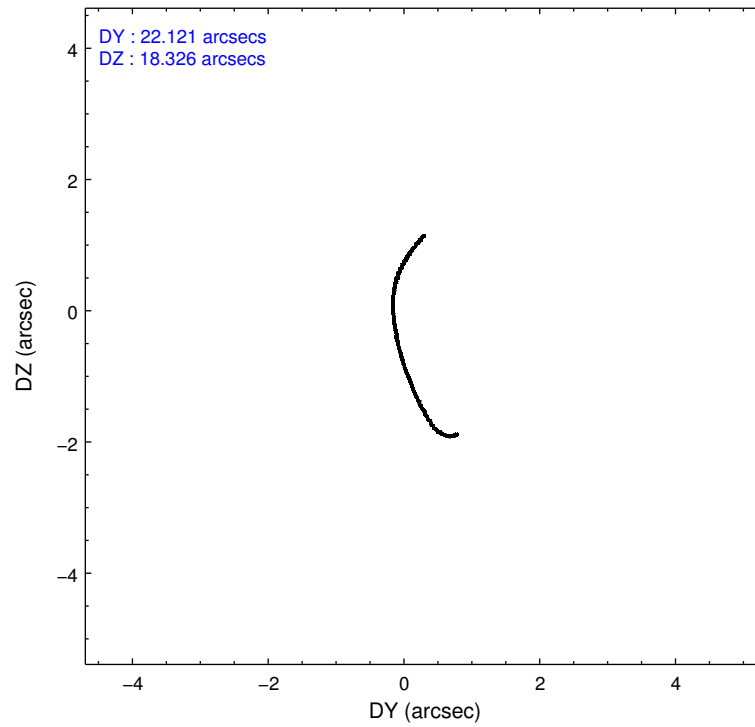
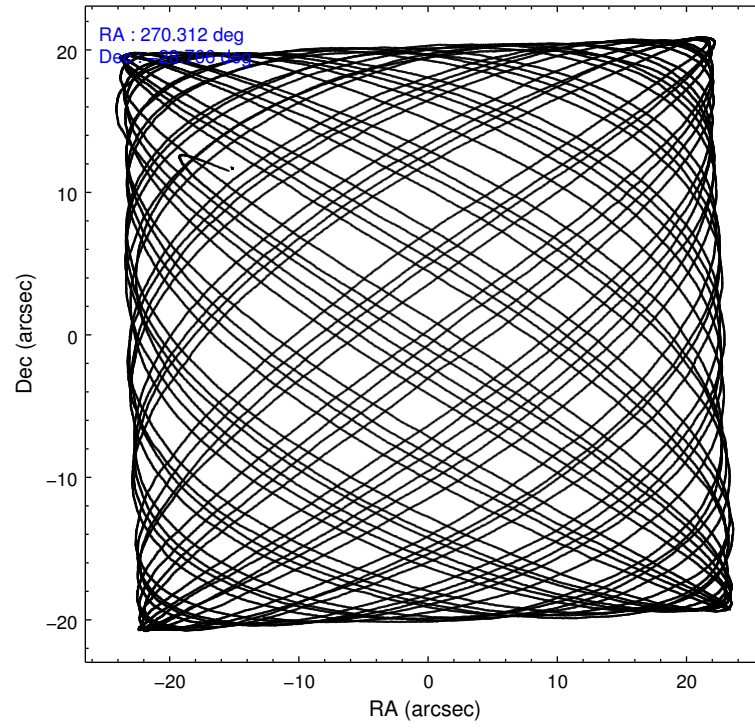
#### Level 1 Events

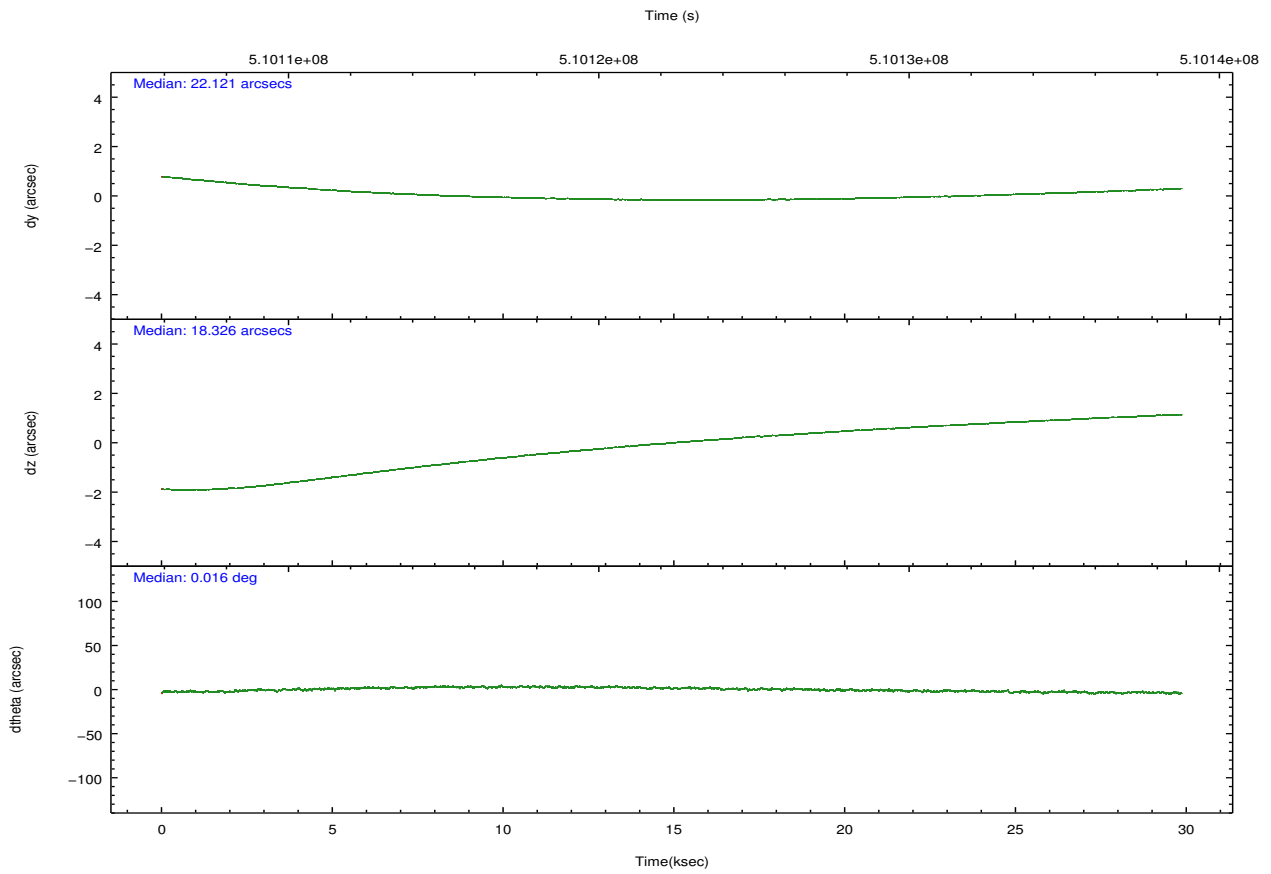
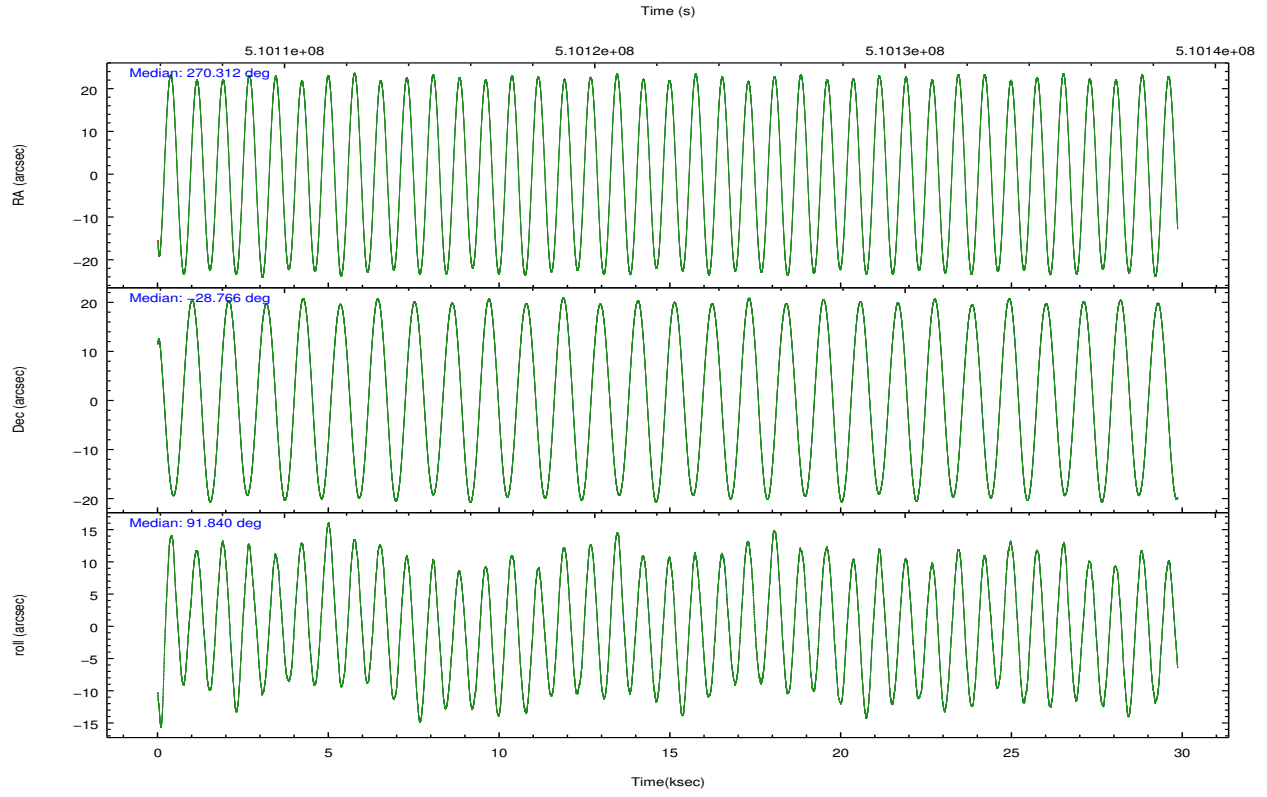
	<b>segment 0</b>
level 1 events	2960677
rejected events	110396
rejected %	3%

## 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	270.328607	270.3116594265154			
[deg] Pointing Dec	-28.788983	-28.76623368180785			
[deg] Pointing Roll	91.946645	91.8430000476138			
[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)	510107291.184000	510106369.45418			
Observation start date	2014-03-02T00:27:04	2014-03-02T00:12:49			
[s] Observation end time (MET)	510137291.184000	510138241.83093			
Observation end date	2014-03-02T08:47:04	2014-03-02T09:04:01			

## 2.3 Aspect





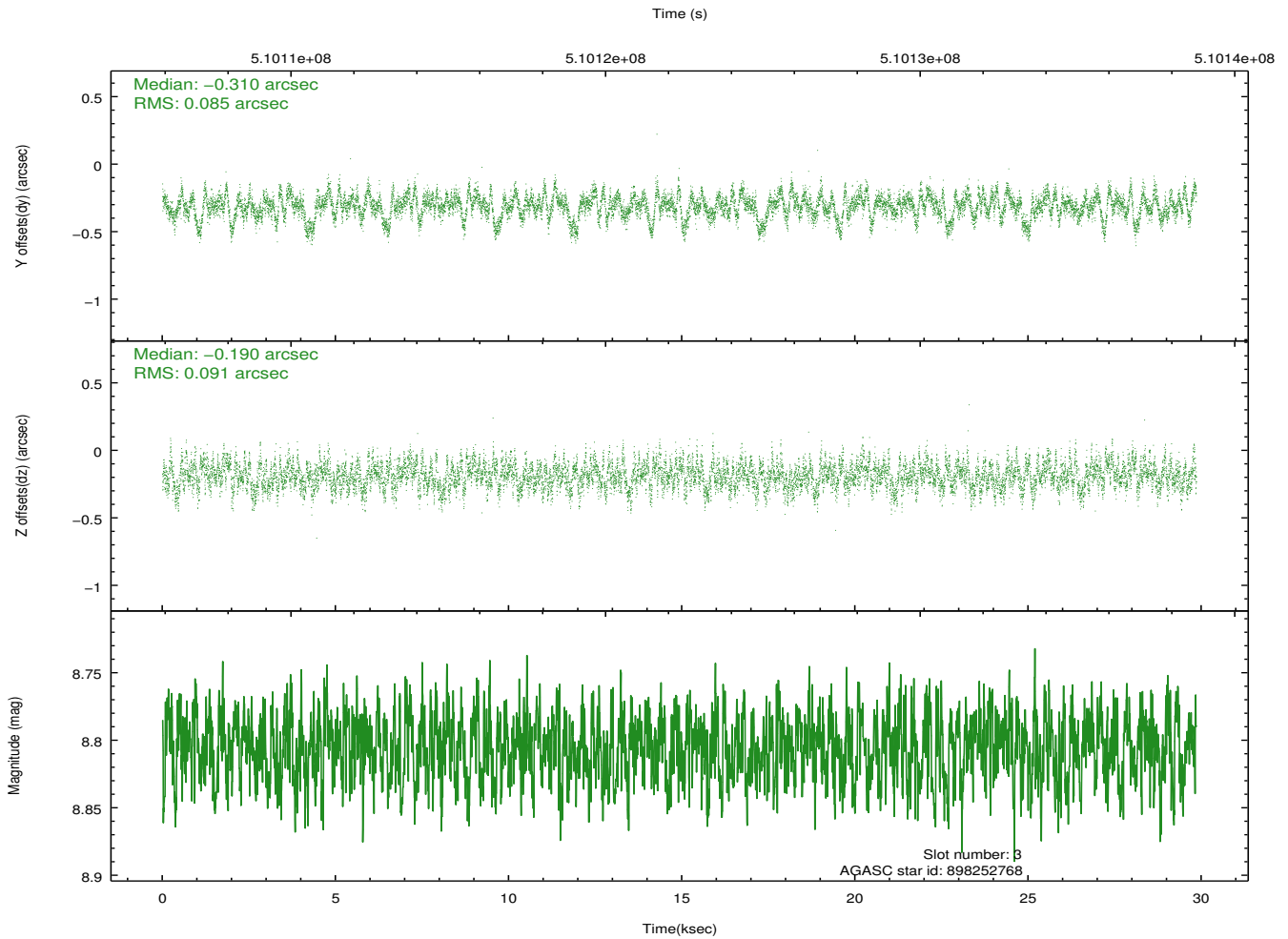
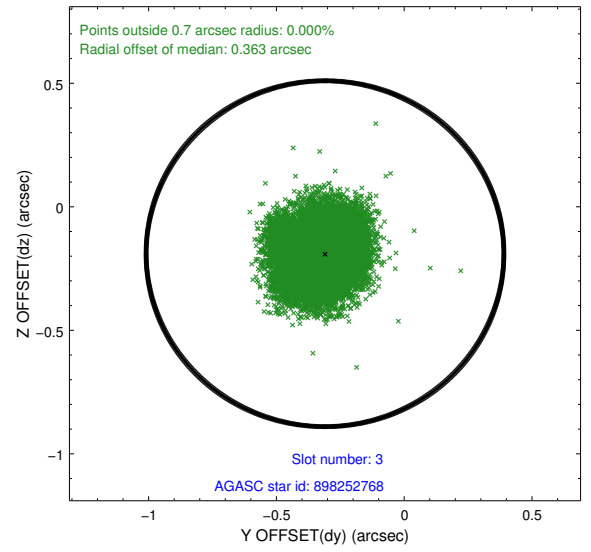
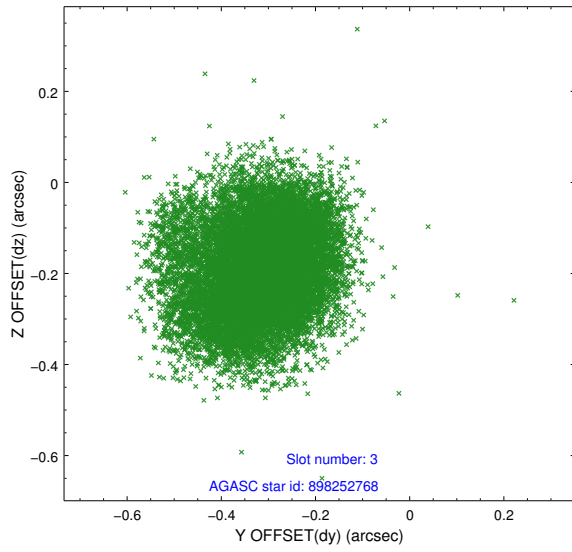
### Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.00	7282	-0.184	-0.118	0.018	0.025	0.000000	0.000000	-778.54	-1306.32
1	FID		HRC-I-2	7.03	7282	0.184	-0.047	0.023	0.034	0.000000	0.000000	834.35	-1308.20
2	FID		HRC-I-4	7.01	7282	0.116	0.071	0.015	0.022	0.000000	0.000000	1264.95	995.60
3	GUIDE	used	898252768	8.80	14551	-0.310	-0.190	0.134	0.217	269.910789	-28.705322	343.49	1308.52
4	GUIDE	used	898371304	8.41	14560	-0.140	0.102	0.099	0.159	270.531151	-28.390506	1411.66	-689.22
5	GUIDE	used	898383760	8.23	14561	0.477	0.003	0.096	0.157	270.301358	-29.342458	-1988.40	153.59
6	GUIDE	used	898391736	9.34	14552	-0.305	0.171	0.161	0.251	270.367313	-28.729065	208.90	-128.27
7	GUIDE	used	898271048	9.79	14548	0.265	-0.088	0.206	0.358	269.785187	-29.412184	-2187.75	1779.70

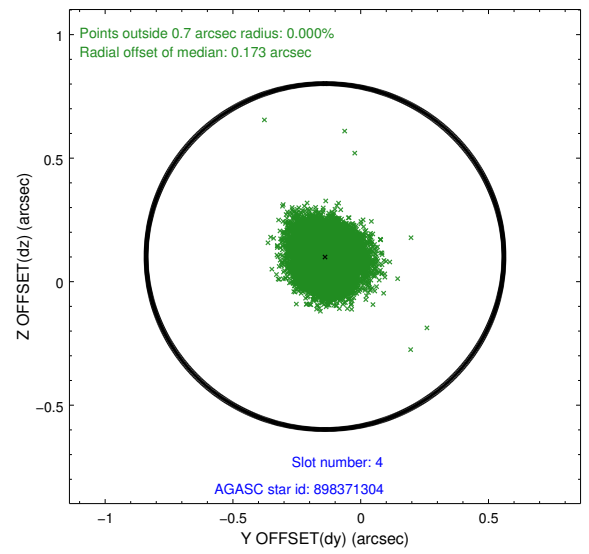
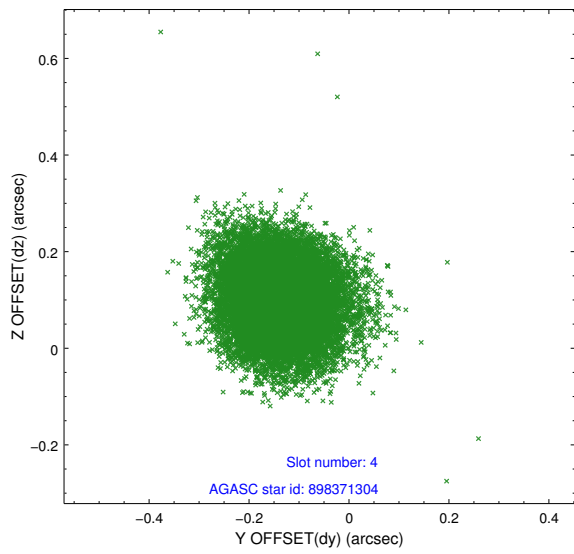
∞

## 2.4 Star Slots

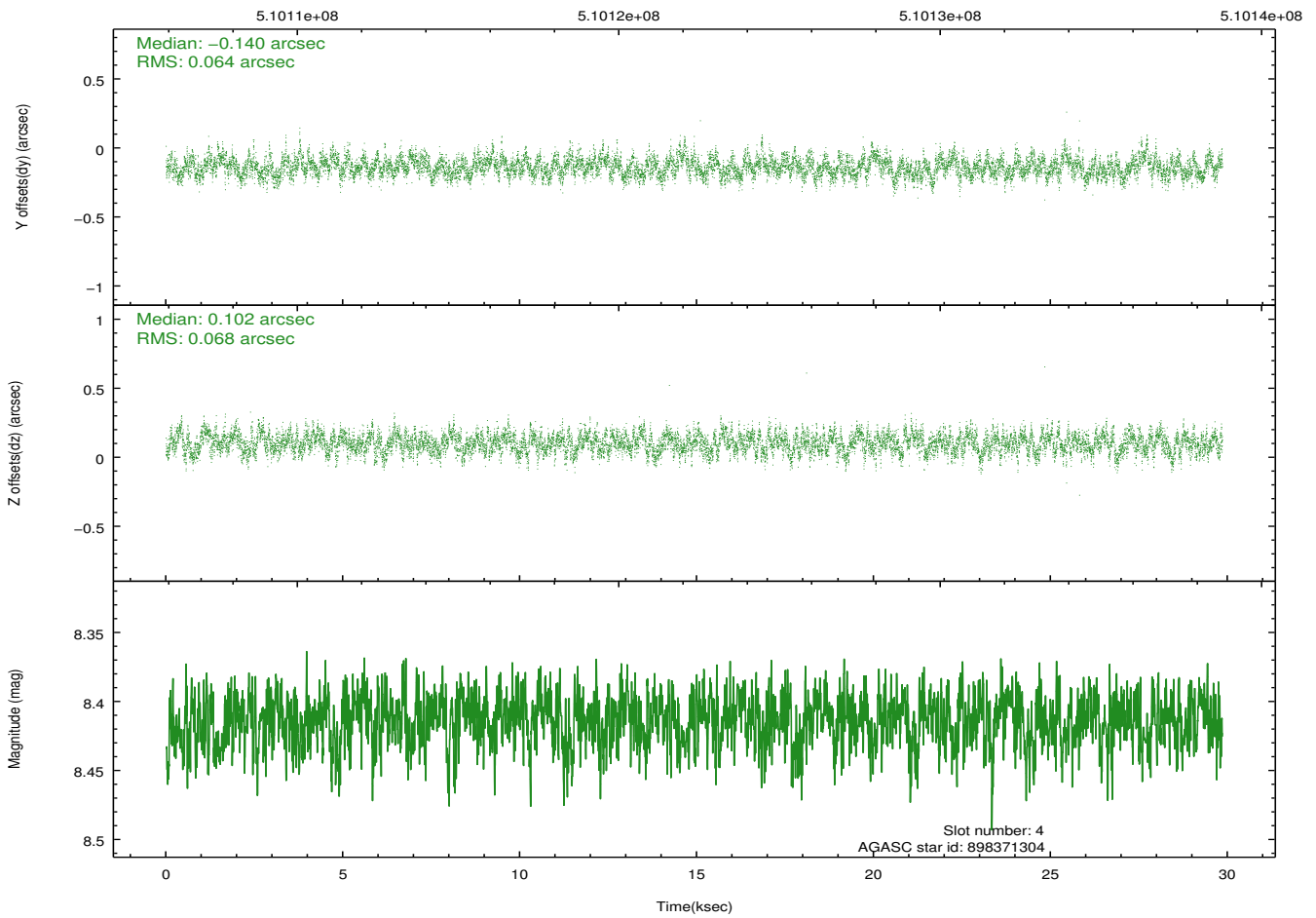
### 2.4.1 Slot 3



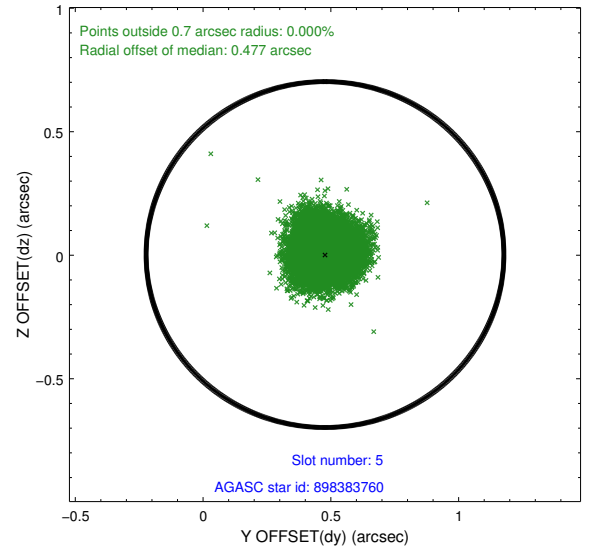
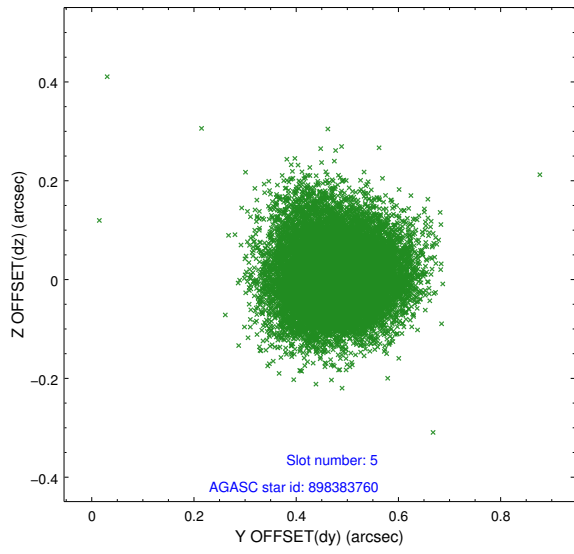
## 2.4.2 Slot 4



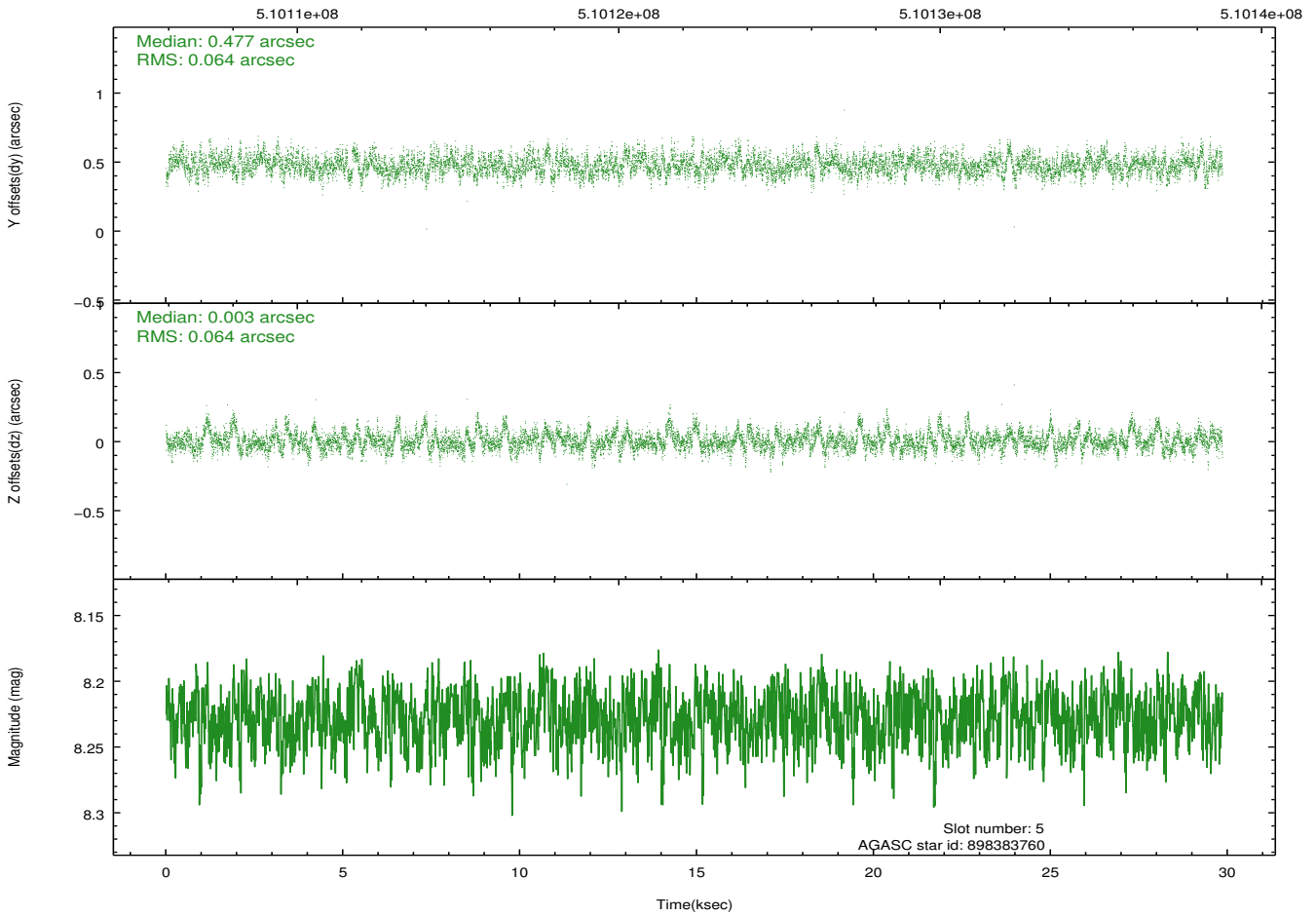
Time (s)



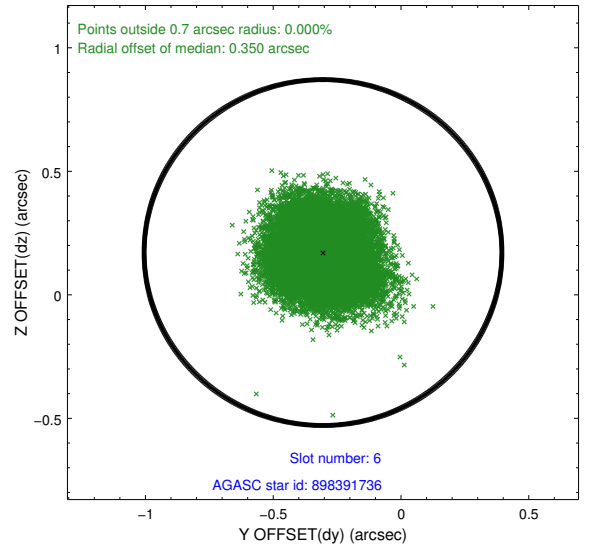
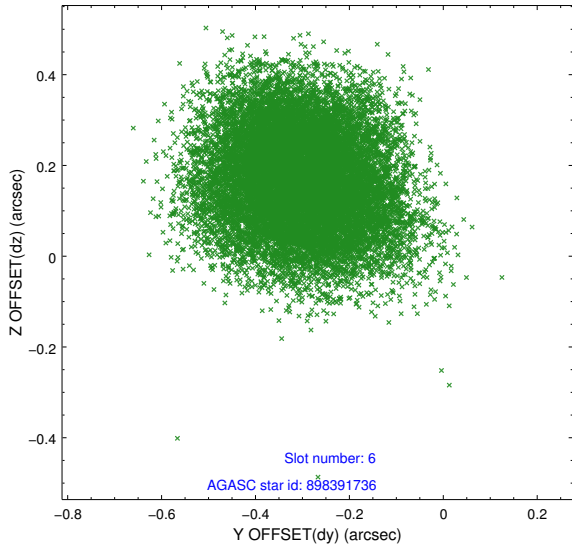
### 2.4.3 Slot 5



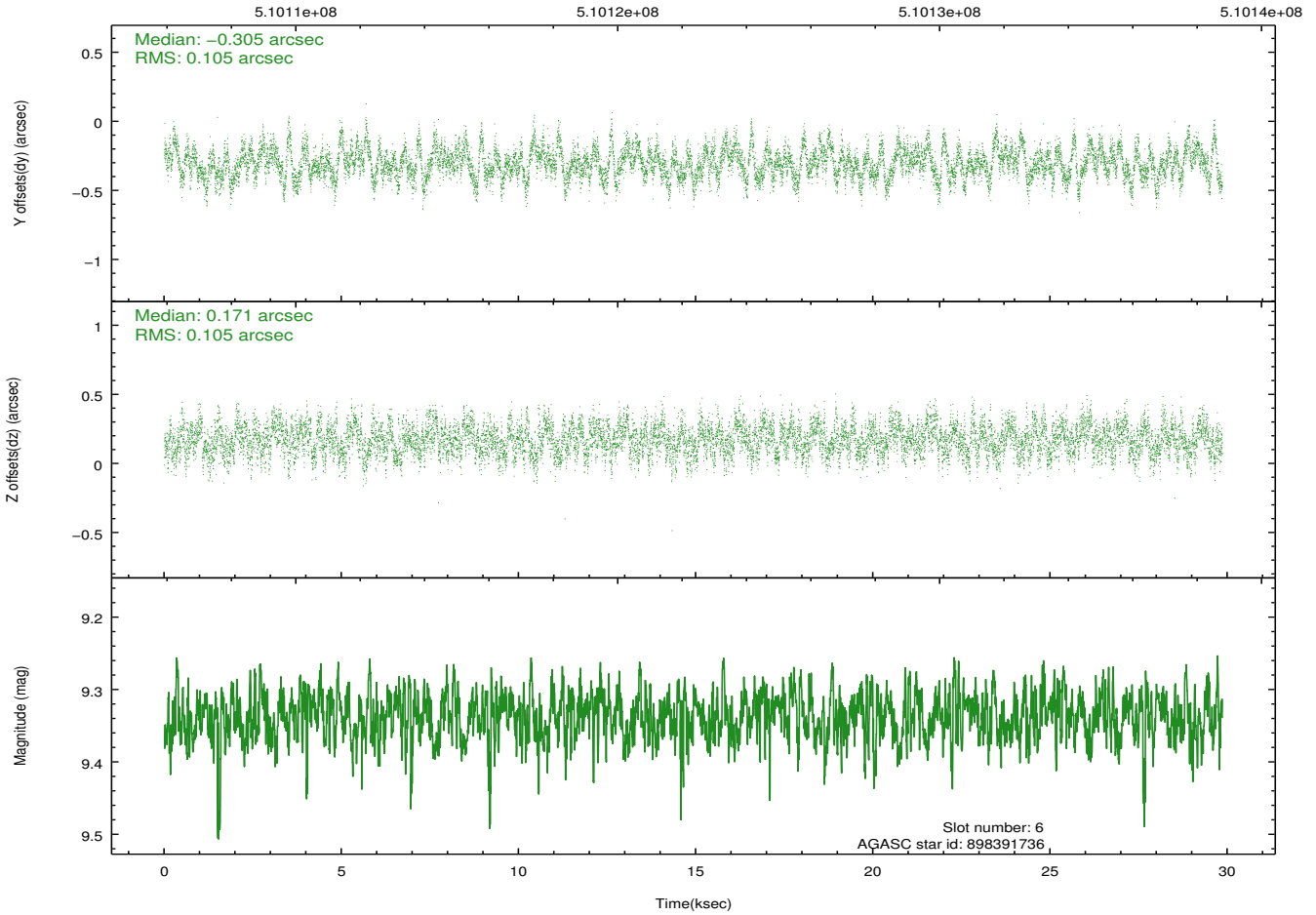
Time (s)



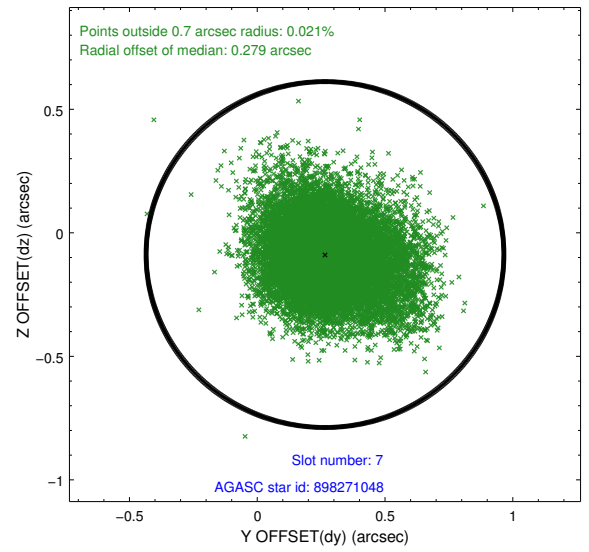
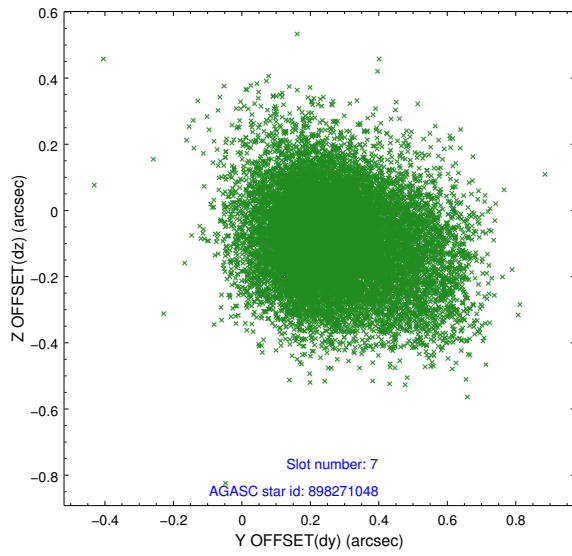
## 2.4.4 Slot 6



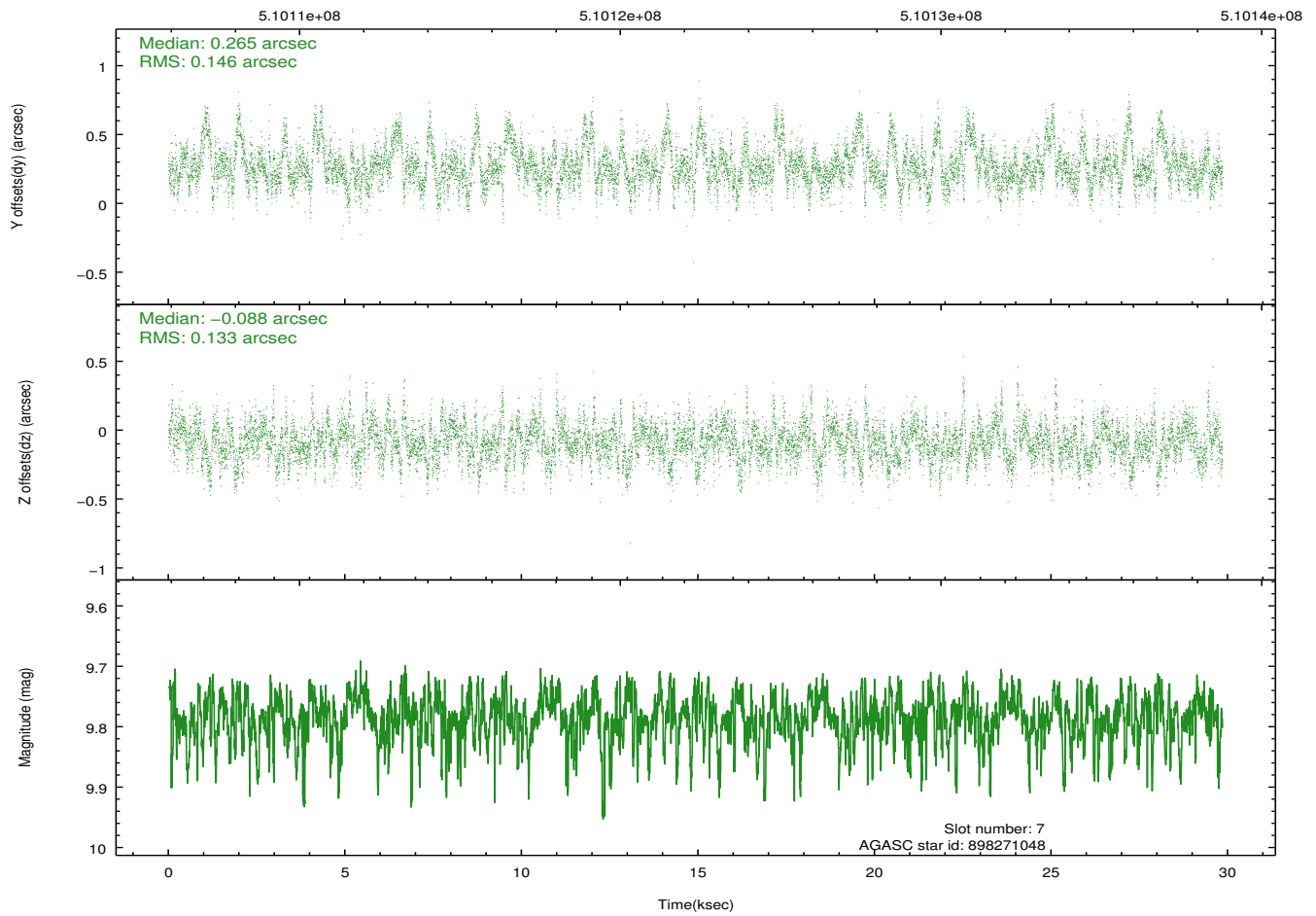
Time (s)



## 2.4.5 Slot 7

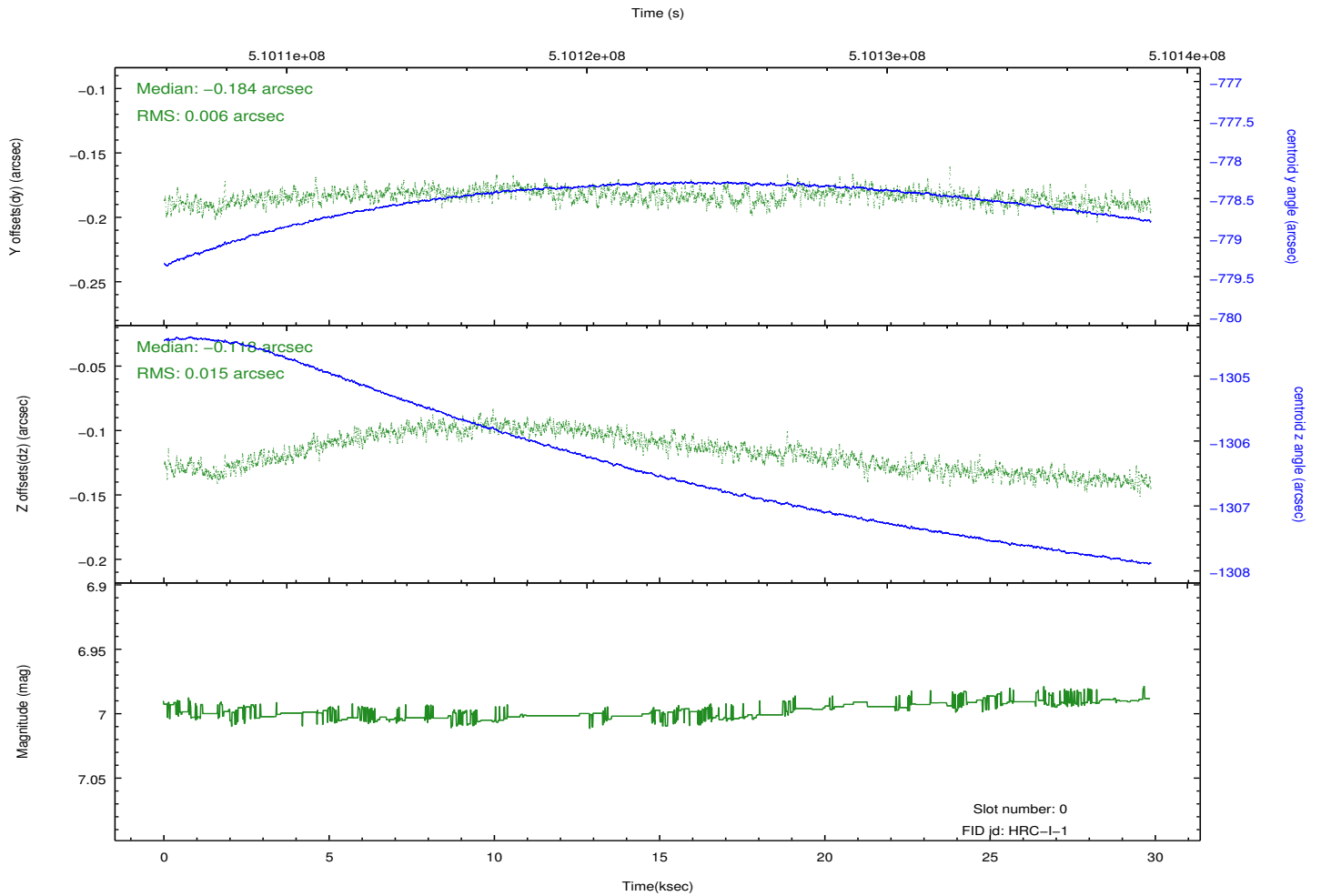
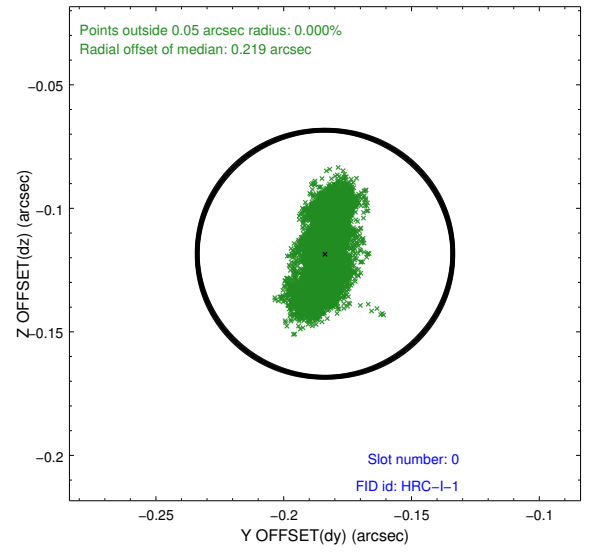
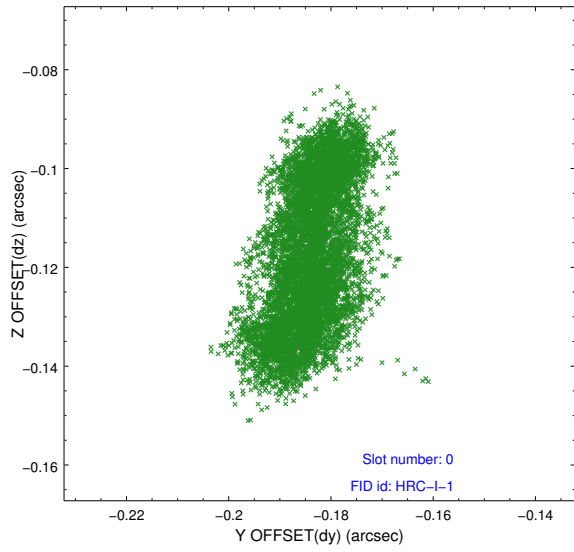


Time (s)

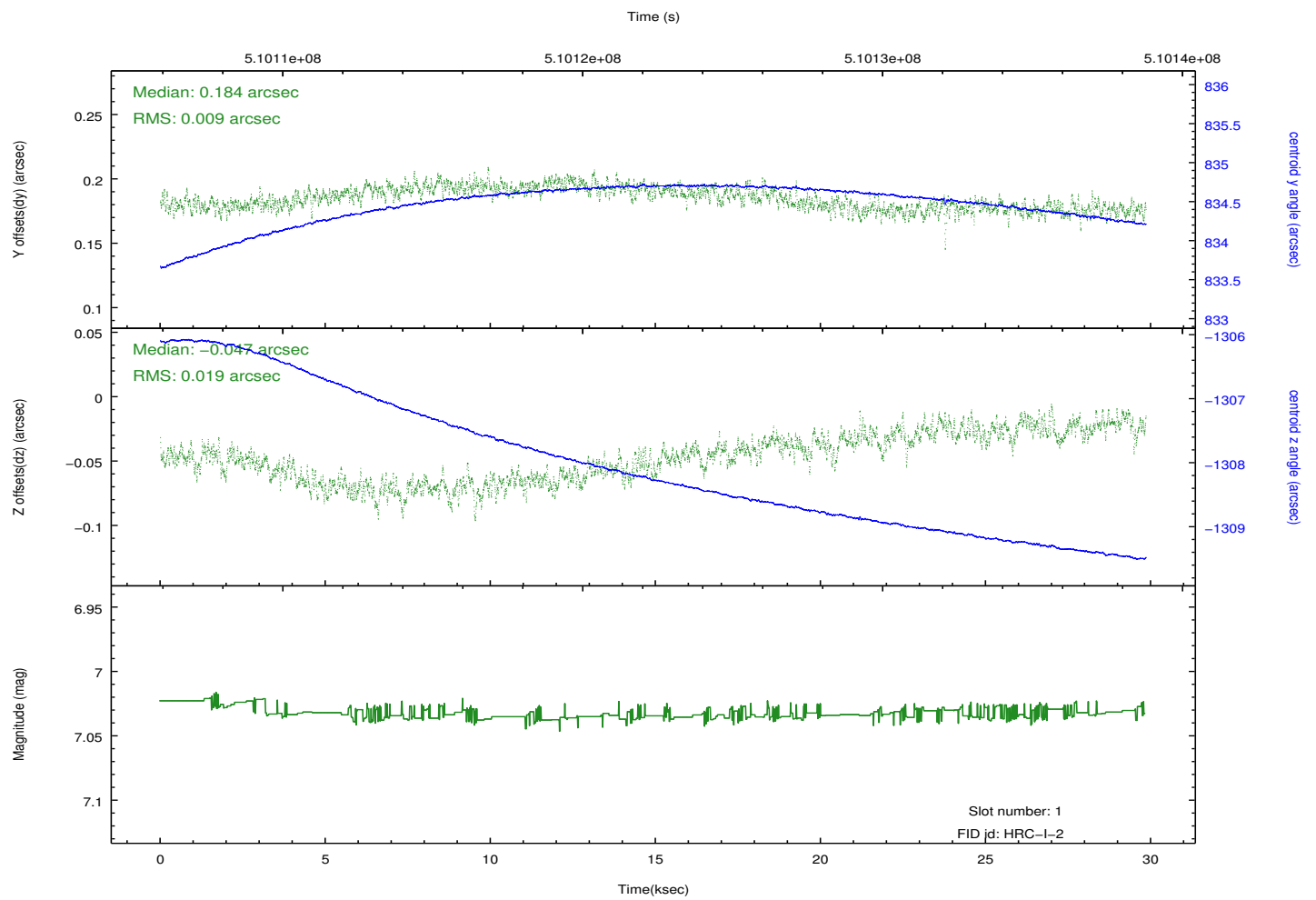
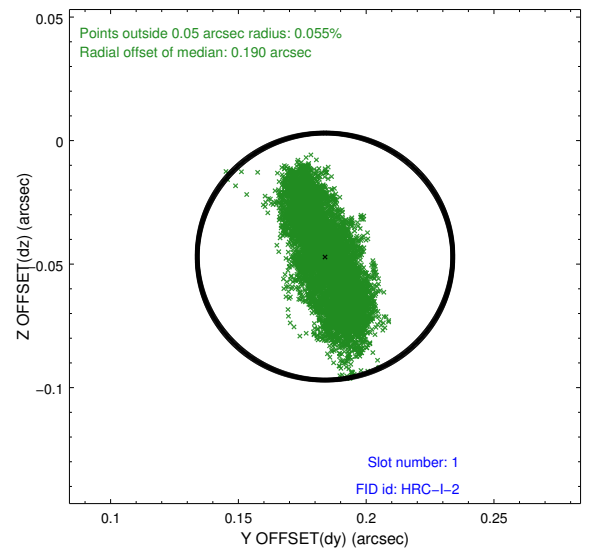
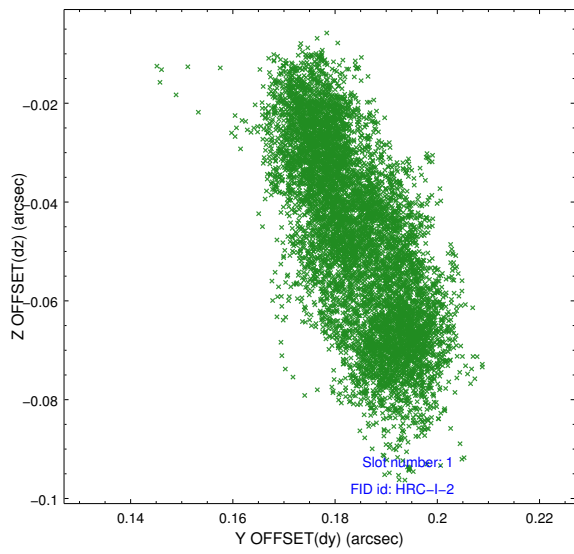


## 2.5 FID Slots

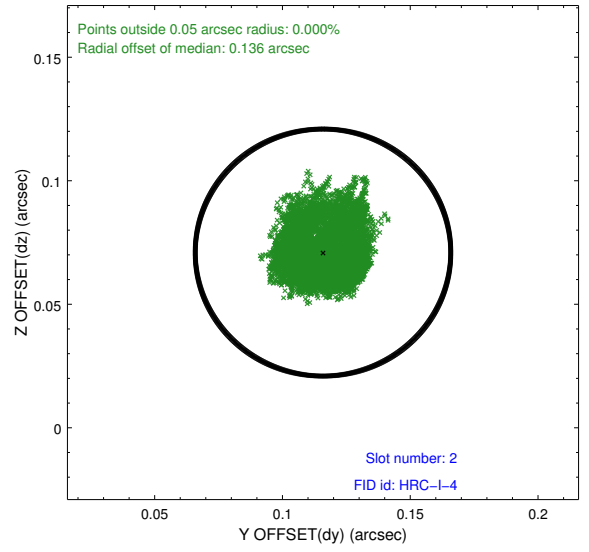
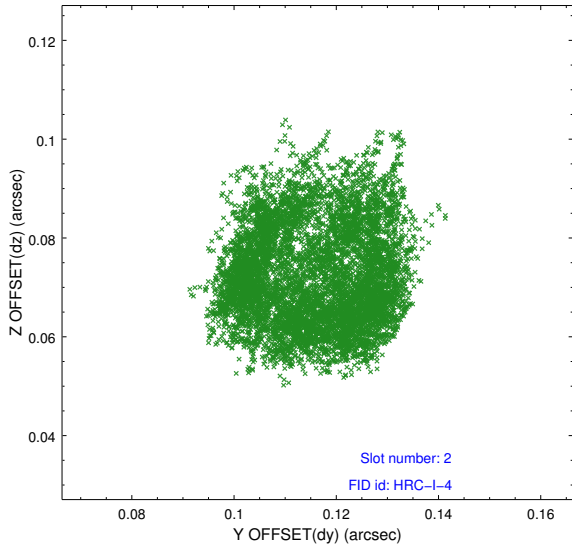
### 2.5.1 Slot 0



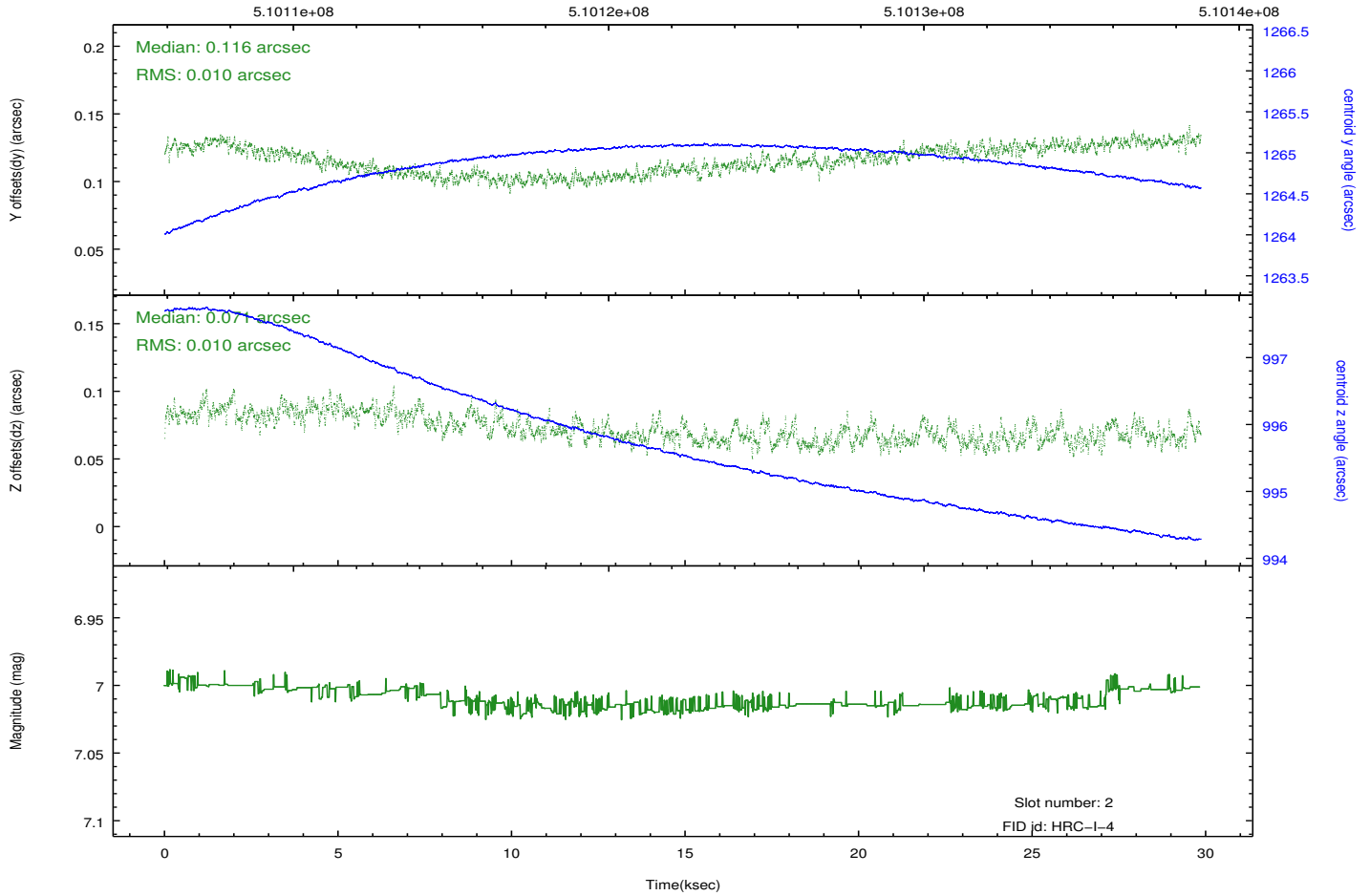
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.853382894635

## A.2 Comments