

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 15753 - L2 Version 1  
Chandra X-Ray Center

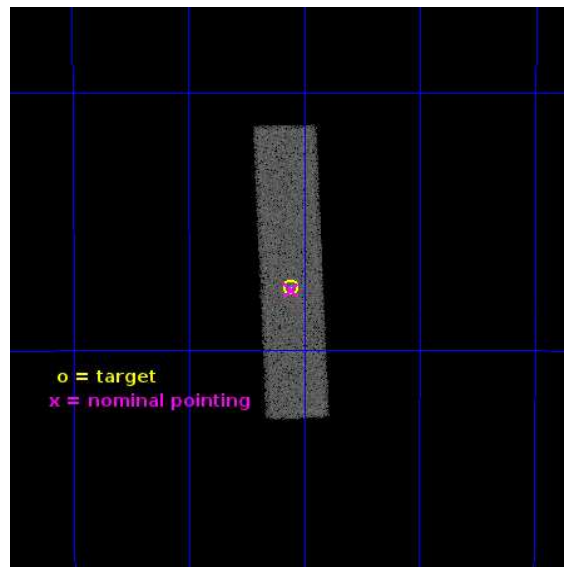
L2 Processing Date : Sep 29 2014

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# 1 Front

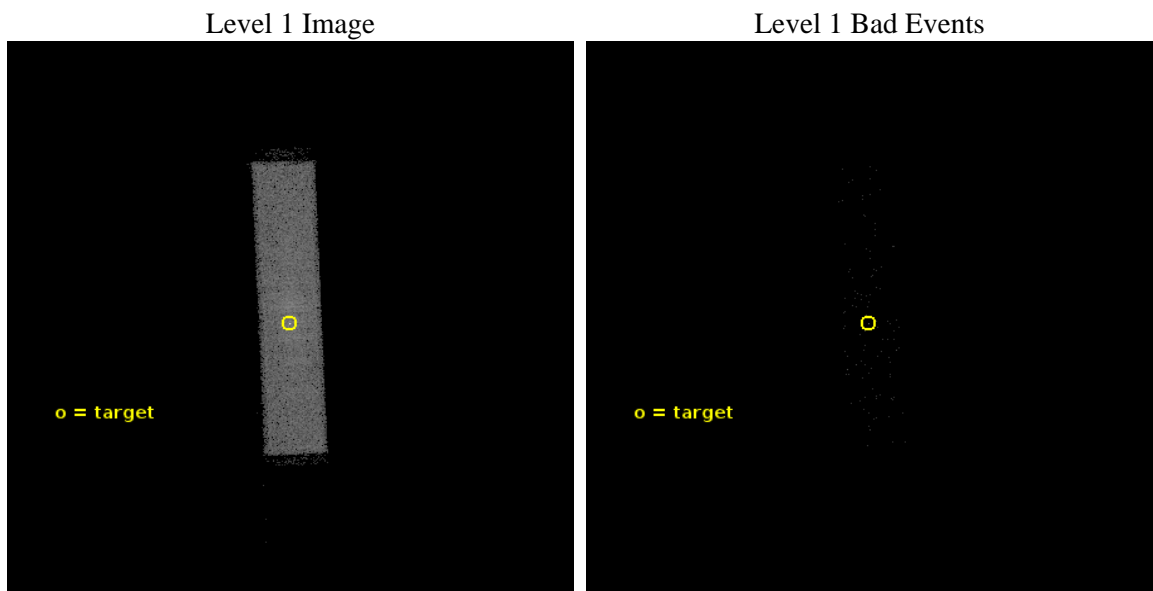
seq_num	401550	Sequence number
obs_id	15753	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Prof. Deepto Chakrabarty	Principal investigator
object	IGR J17451-3022	Source name
ra_targ	266.27825	Observer's specified target RA [deg]
dec_targ	-30.37875	Observer's specified target Dec [deg]
ra_nom	266.27748721979	Nominal RA [deg]
dec_nom	-30.384085265099	Nominal Dec [deg]
roll_nom	267.51646437319	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1159.2750644088	[s]
livetime	1155.2147086348	Ontime multiplied by DTCOR
l2events	43193	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	1159.2750644088	[s]
caldsver	4.6.3	&#160	l1events	106622	Number of level 1 events
date	2014-09-29T18:01:36	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

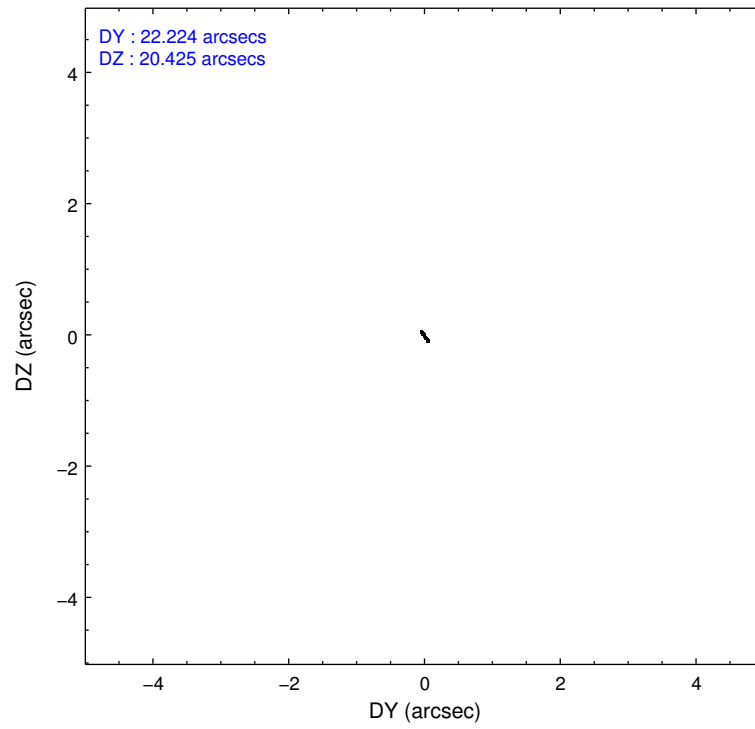
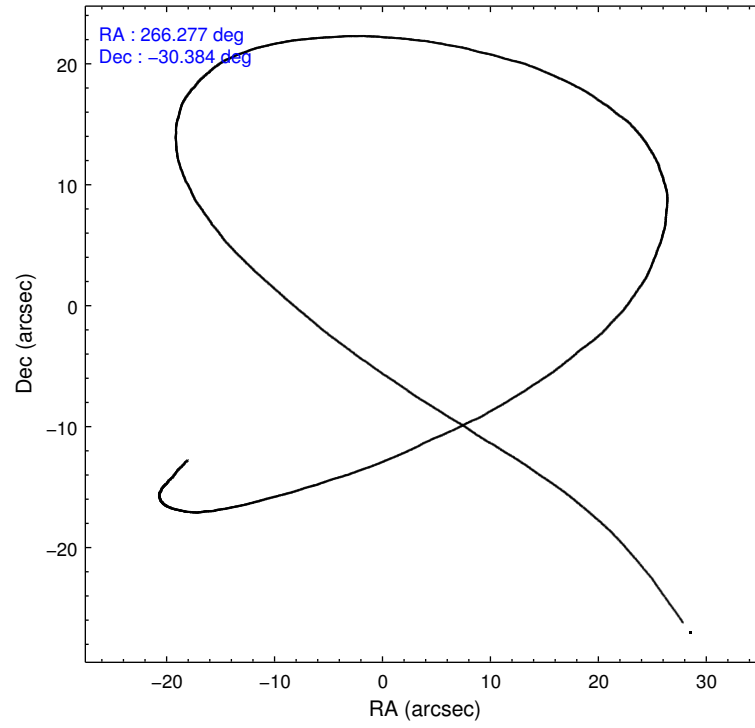
Level 1 Events

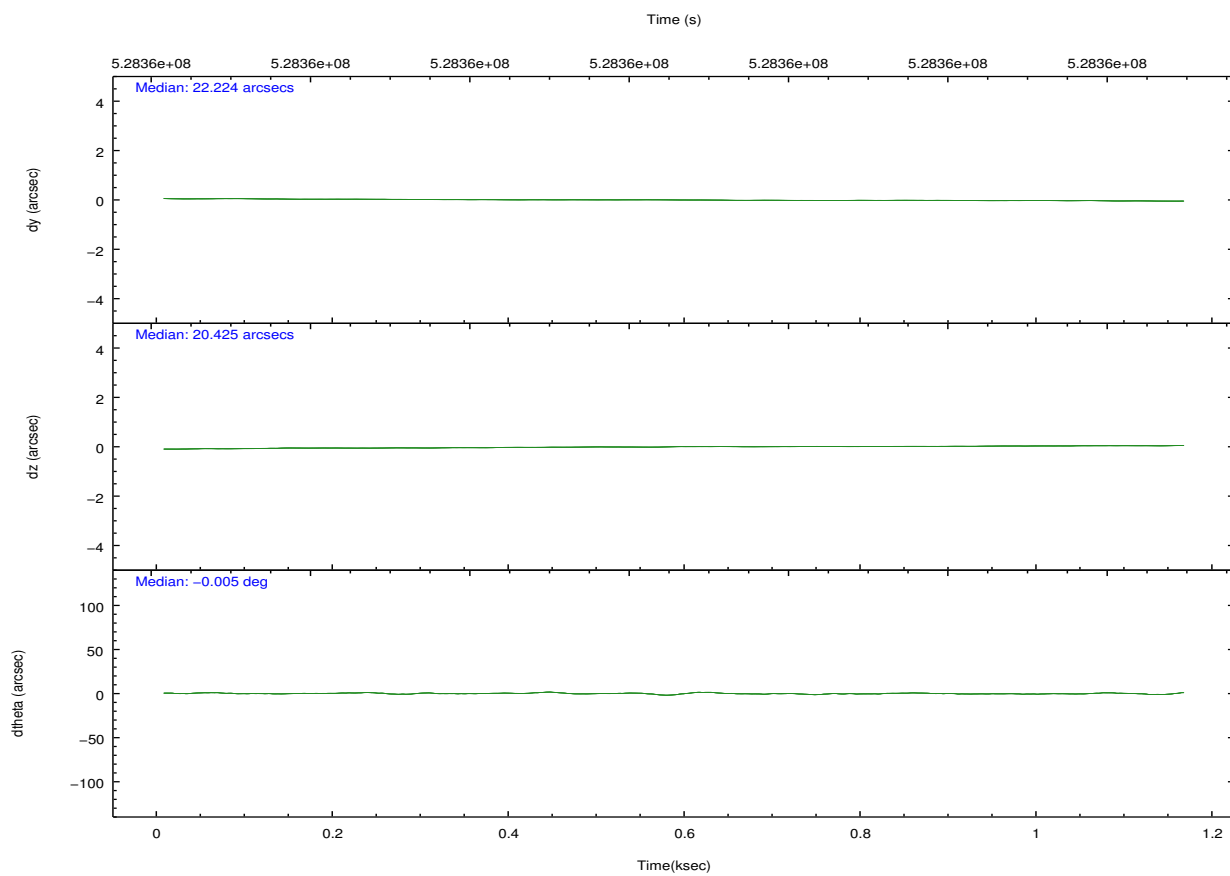
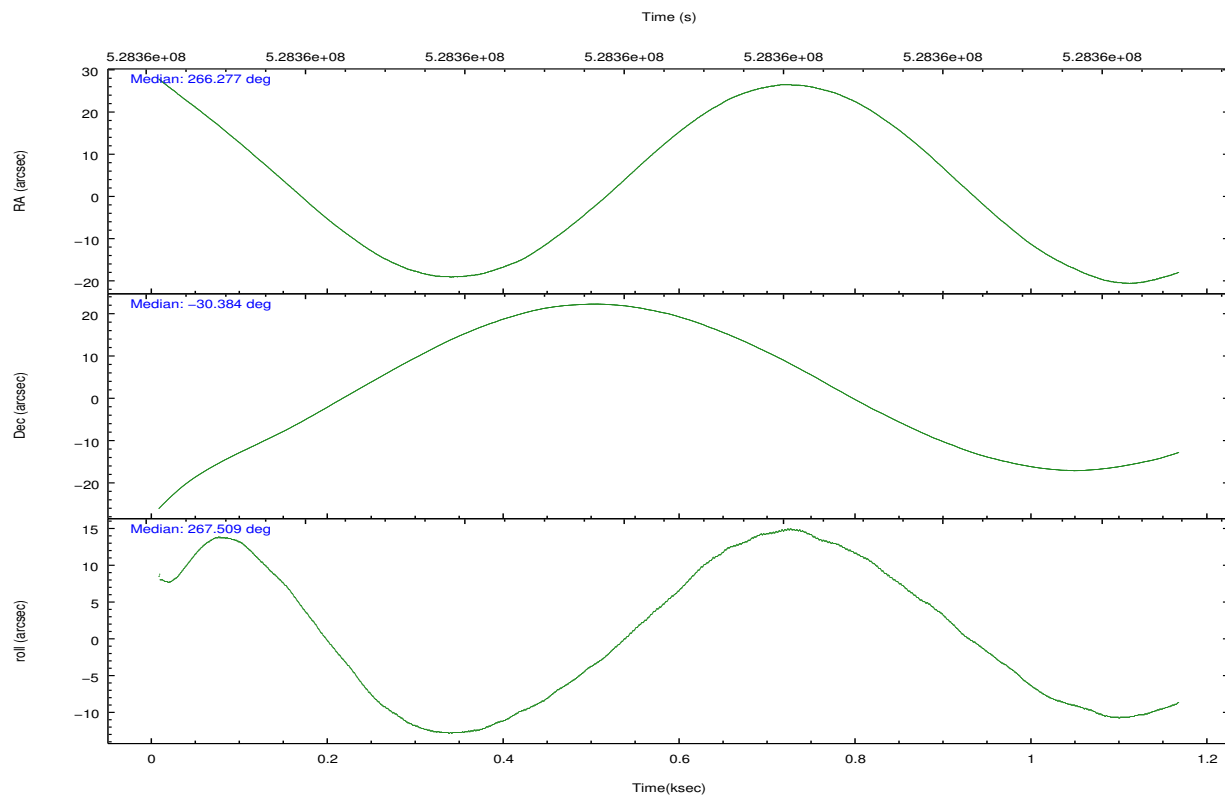
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	141	106475	6
rejected events	67	47252	6
rejected %	47%	44%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	266.261111	266.277487219787			
[deg] Pointing Dec	-30.358740	-30.38408526509924			
[deg] Pointing Roll	267.441022	267.5164643731881			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	528355848.184000	528354770.90099			
Observation start date	2014-09-29T05:29:41	2014-09-29T05:12:50			
[s] Observation end time (MET)	528356848.184000	528357257.03862			
Observation end date	2014-09-29T05:46:21	2014-09-29T05:54:17			

## 2.3 Aspect





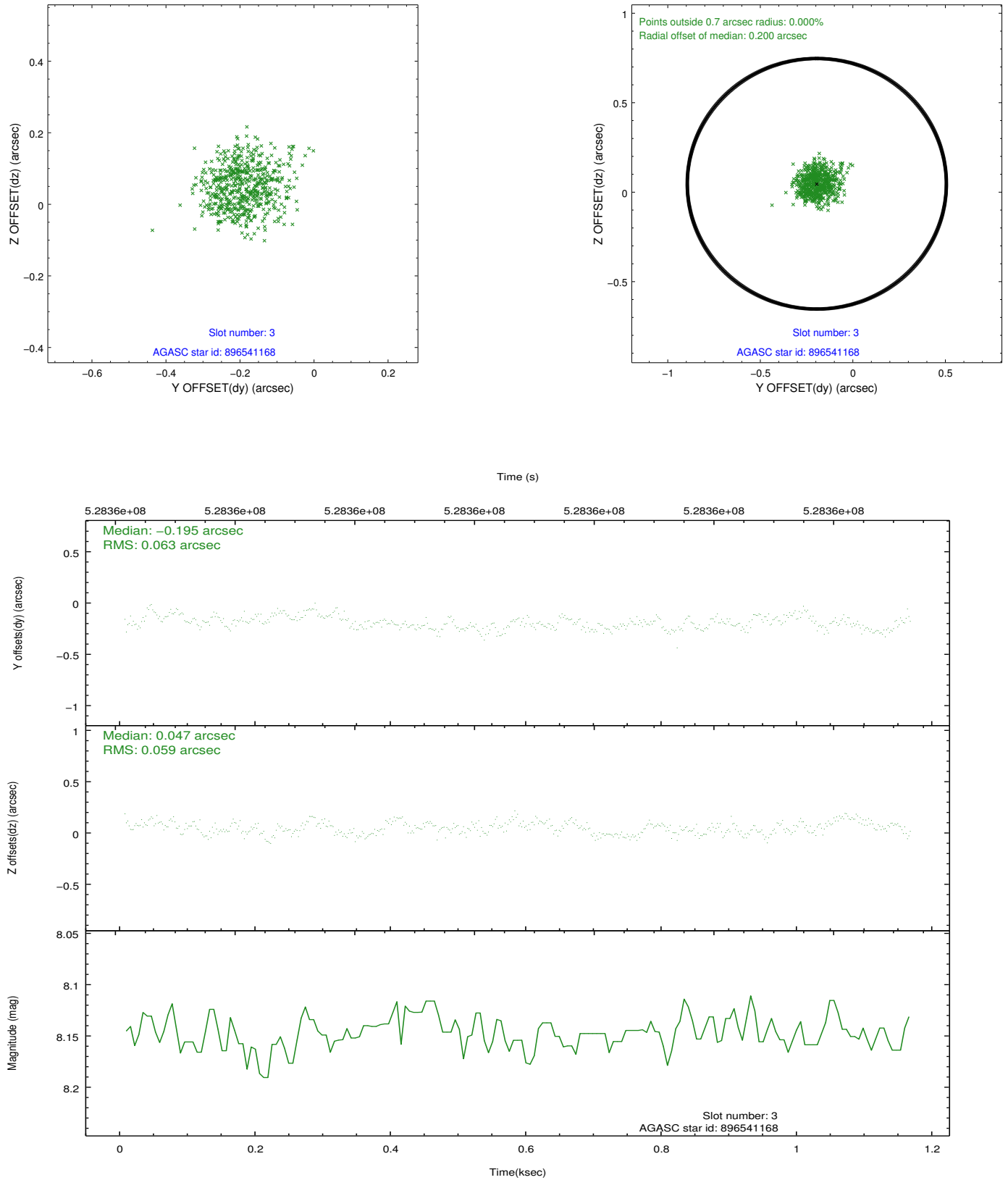
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	284	0.003	-0.170	0.008	0.012	0.000000	0.000000	-1176.87	-469.50
1	FID	HRC-S-2	6.95	283	0.321	-0.127	0.004	0.007	0.000000	0.000000	1218.97	-463.67
2	FID	HRC-S-3	6.98	283	0.067	-0.006	0.008	0.013	0.000000	0.000000	-1175.26	558.56
3	GUIDE	896541168	8.15	567	-0.195	0.047	0.092	0.142	266.319970	-29.850801	-1836.11	103.14
4	GUIDE	966919304	8.43	564	-0.055	0.058	0.105	0.169	265.660763	-30.717261	1373.01	-1796.21
5	GUIDE	966924920	8.09	567	0.246	0.067	0.110	0.179	265.875401	-30.176961	-596.49	-1229.88
6	GUIDE	966924408	8.92	567	0.100	-0.112	0.138	0.212	266.982893	-30.897884	1844.18	2314.06
7	GUIDE	966923896	8.97	566	-0.092	-0.061	0.097	0.156	267.026258	-30.213470	-618.91	2360.40

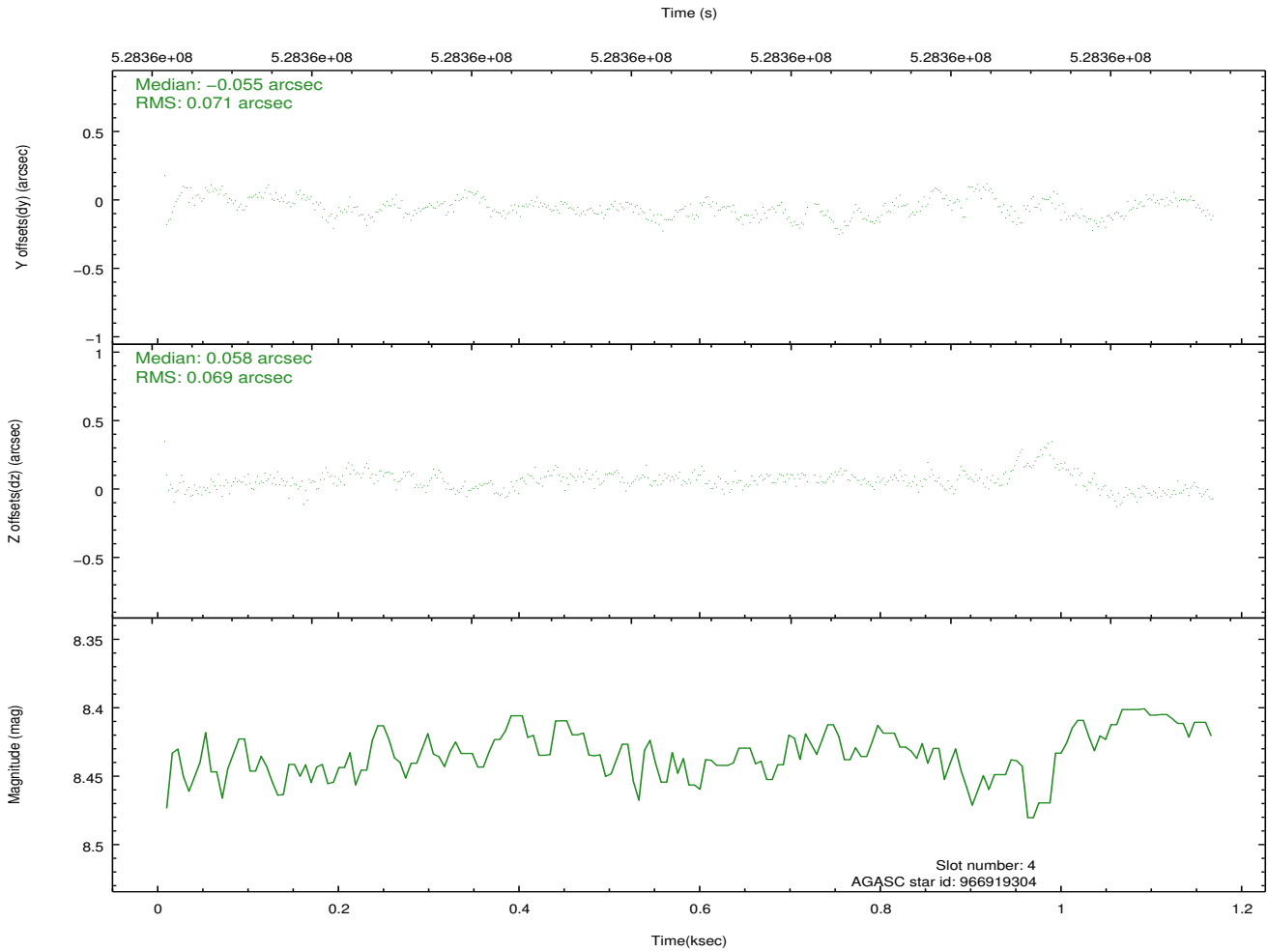
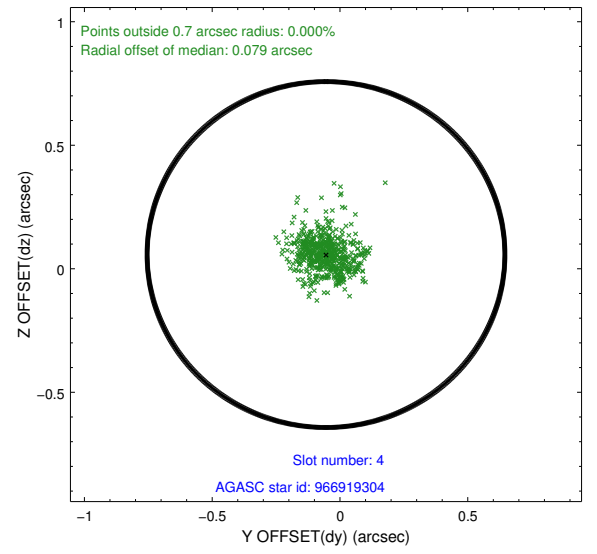
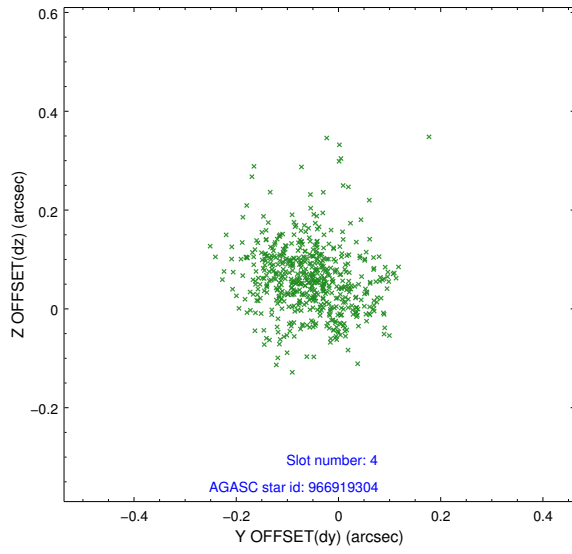


## 2.4 Star Slots

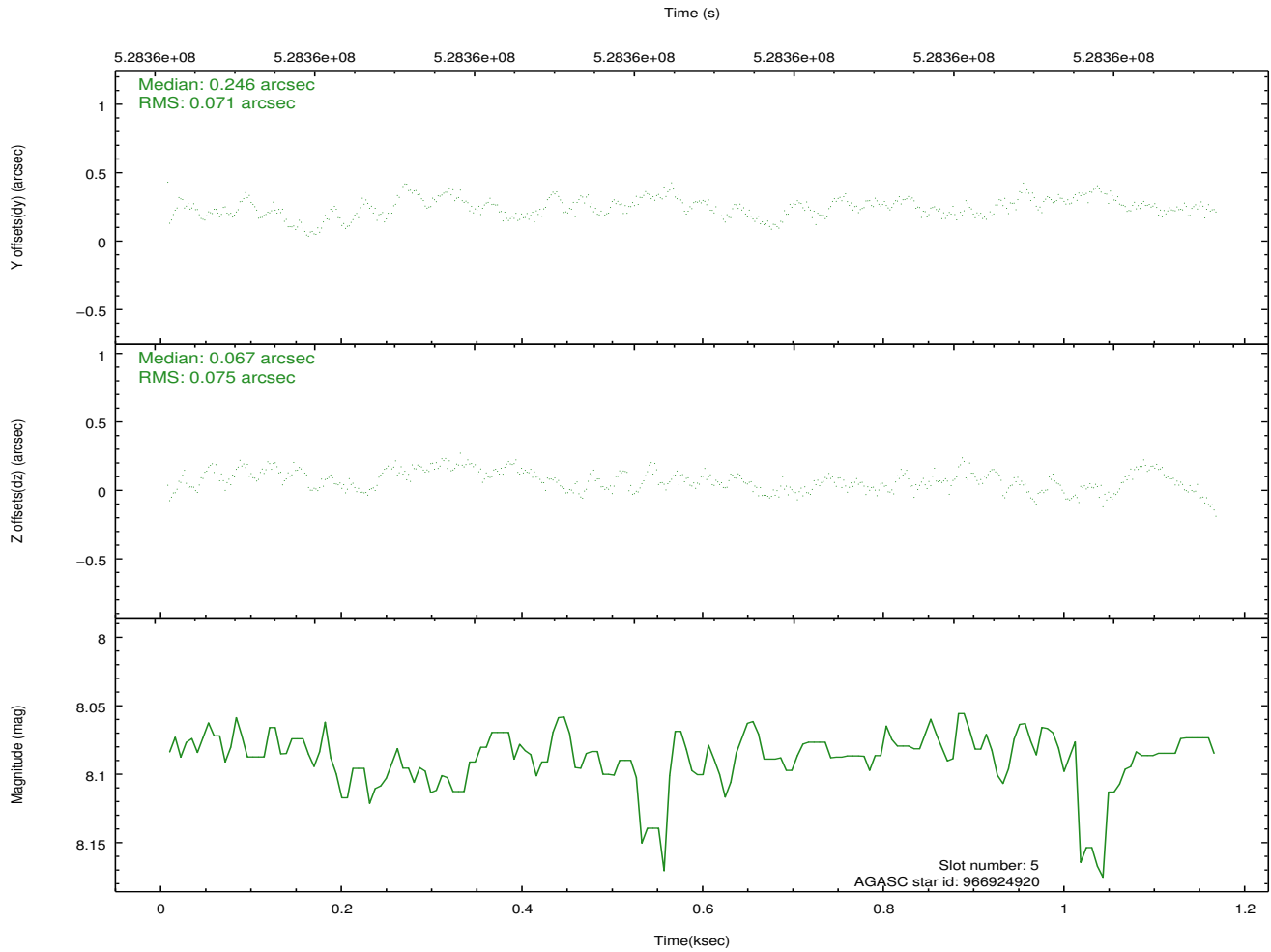
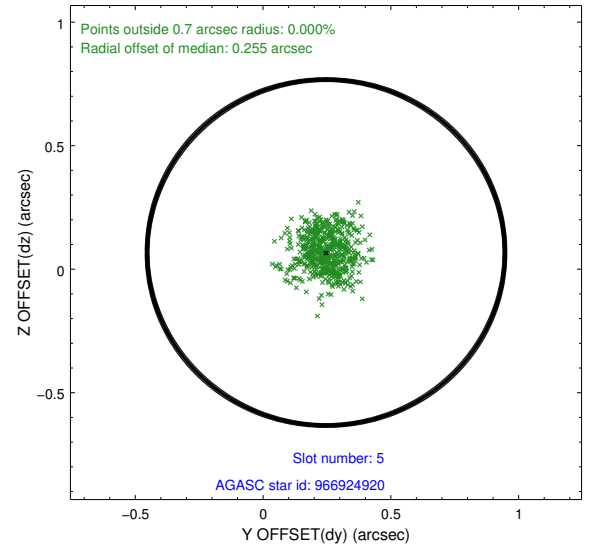
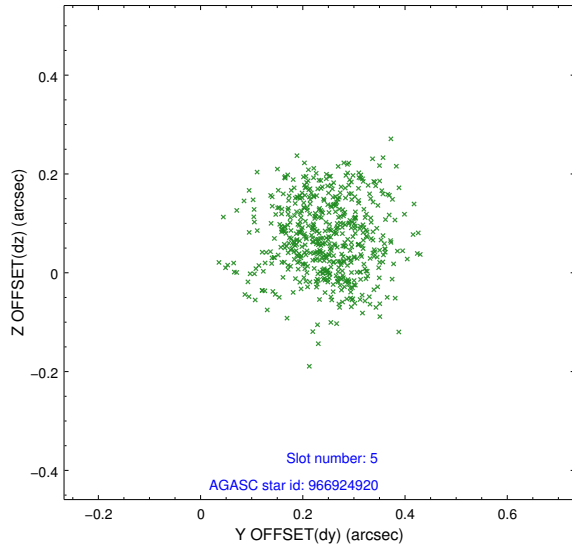
### 2.4.1 Slot 3



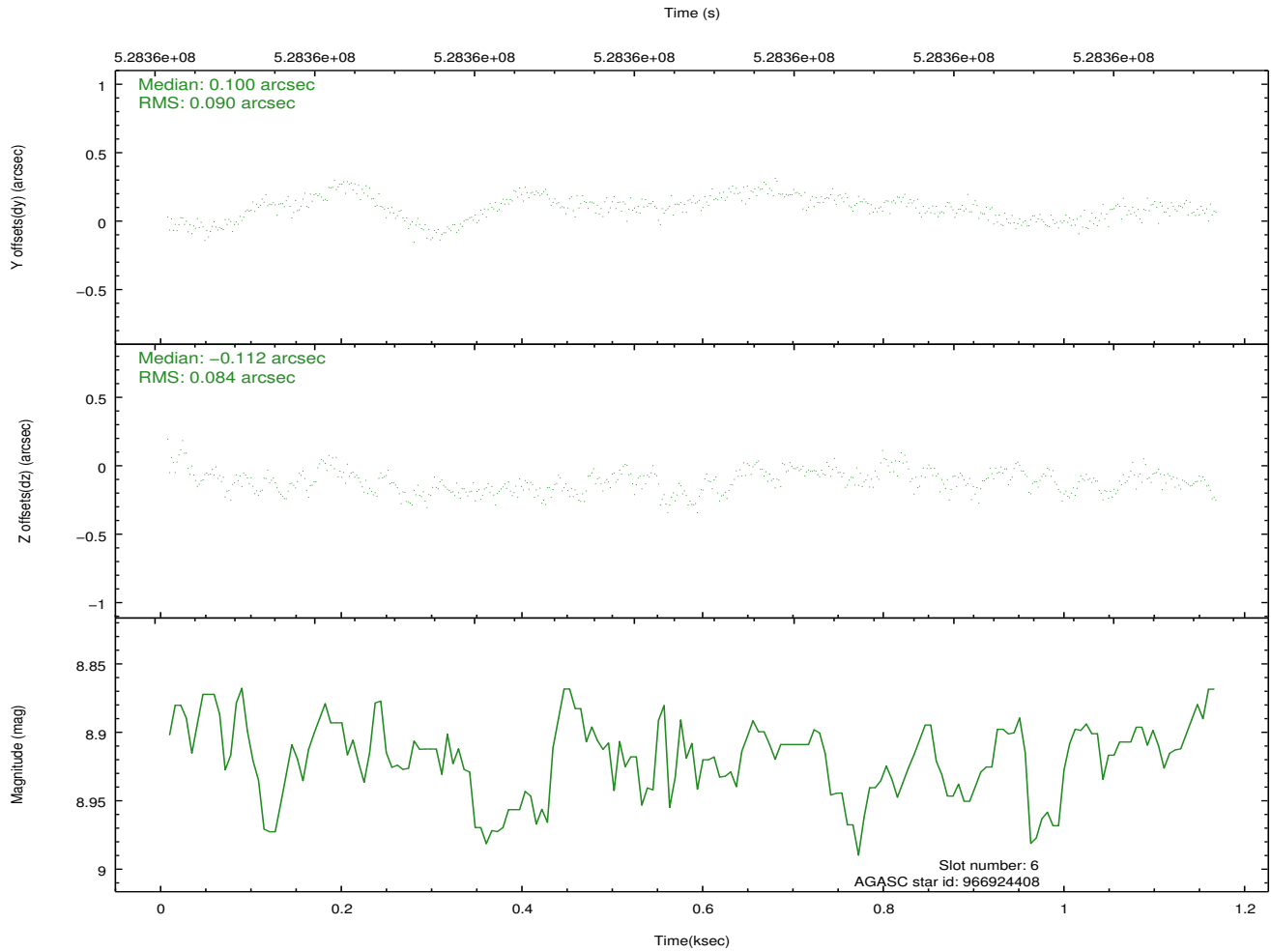
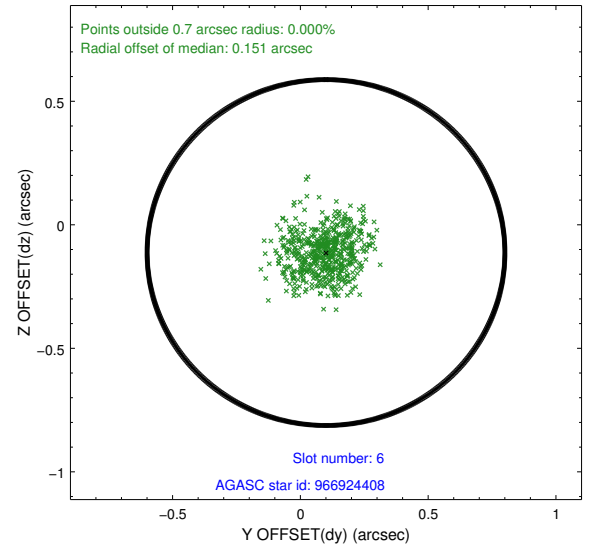
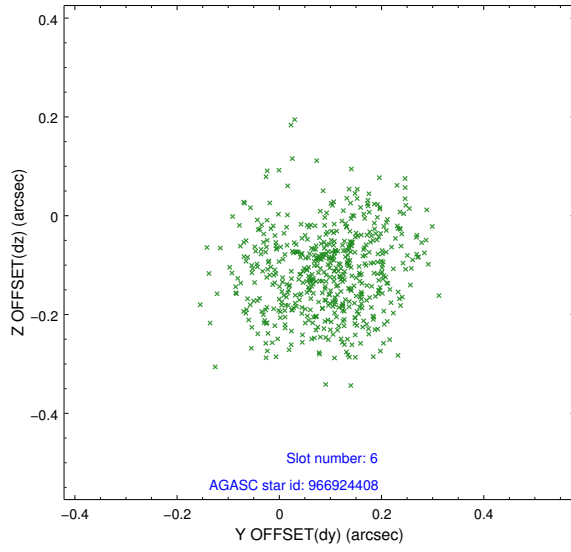
## 2.4.2 Slot 4



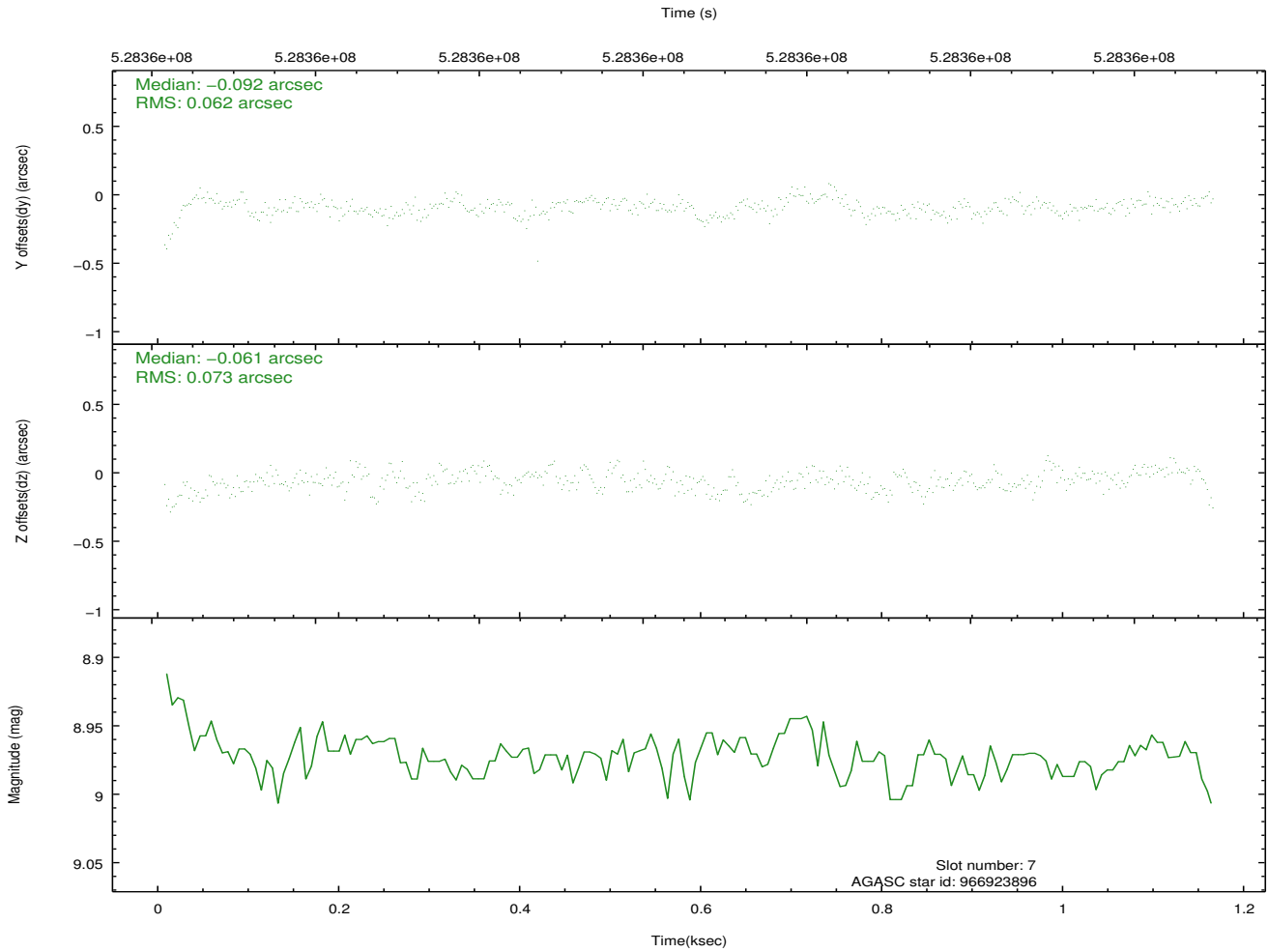
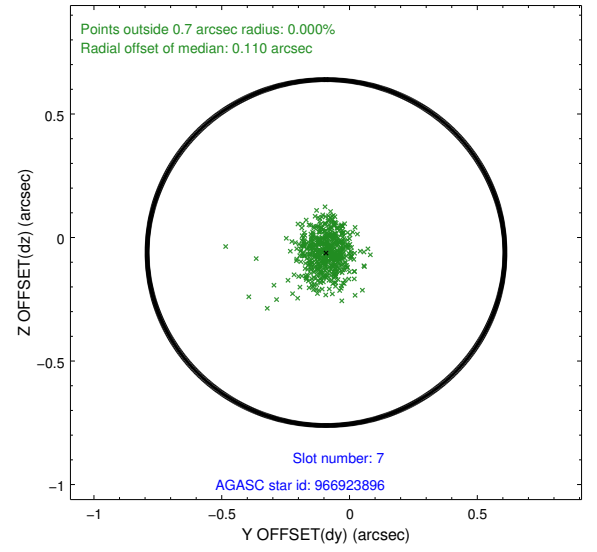
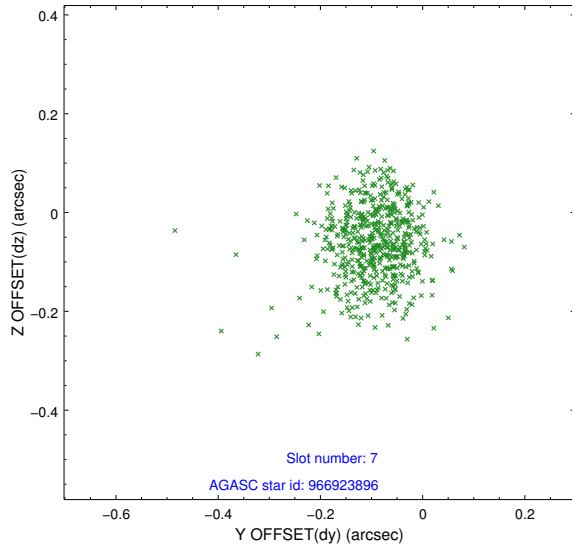
### 2.4.3 Slot 5



## 2.4.4 Slot 6

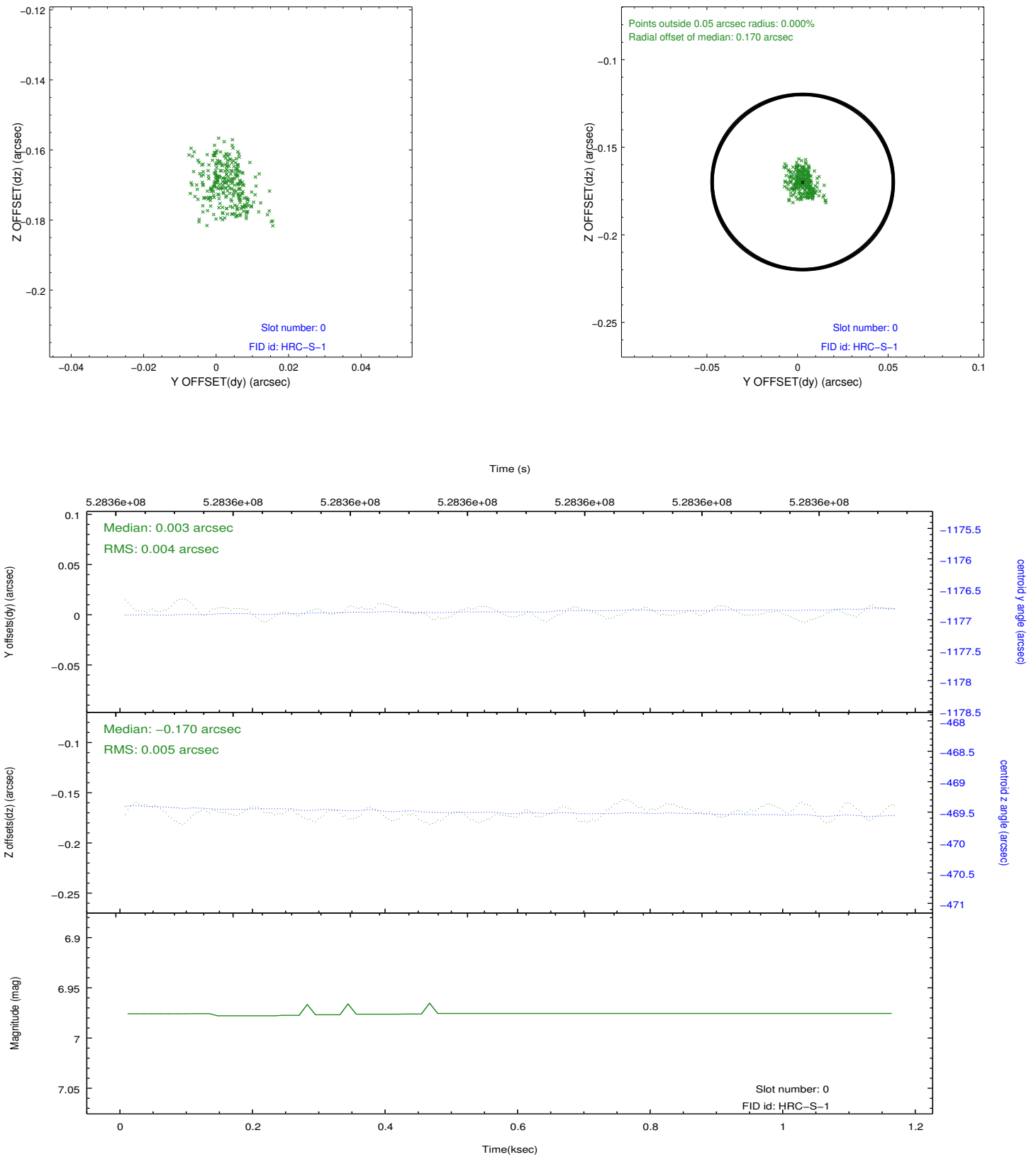


## 2.4.5 Slot 7

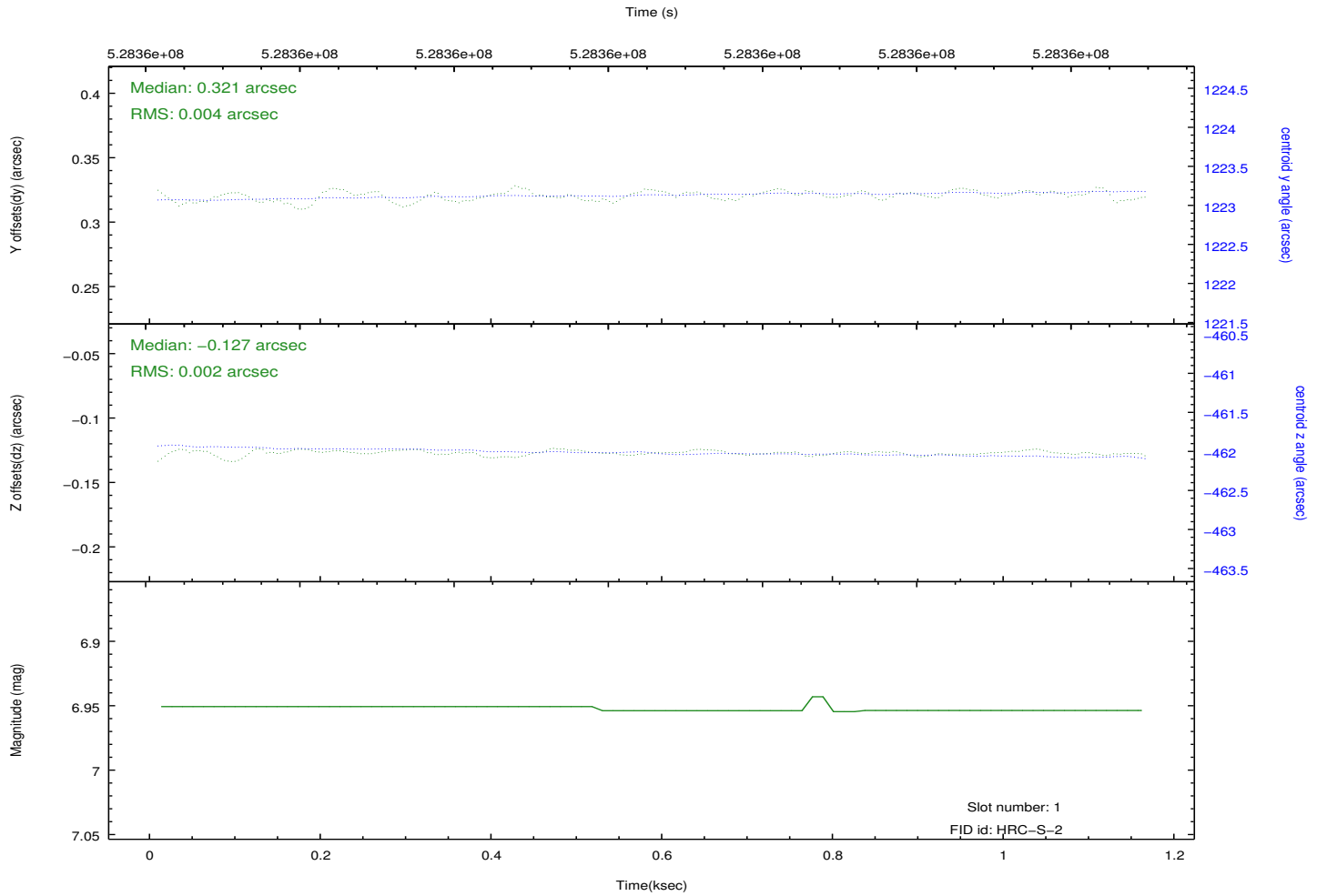
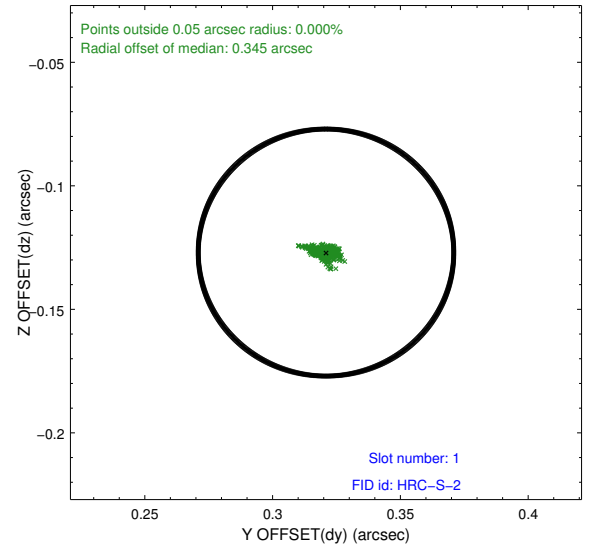
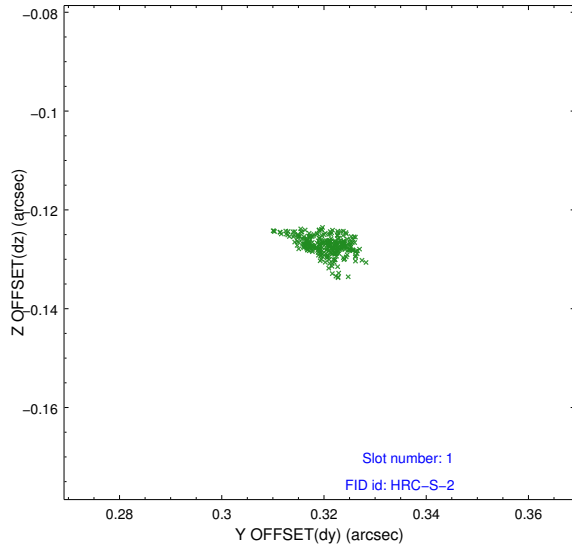


## 2.5 FID Slots

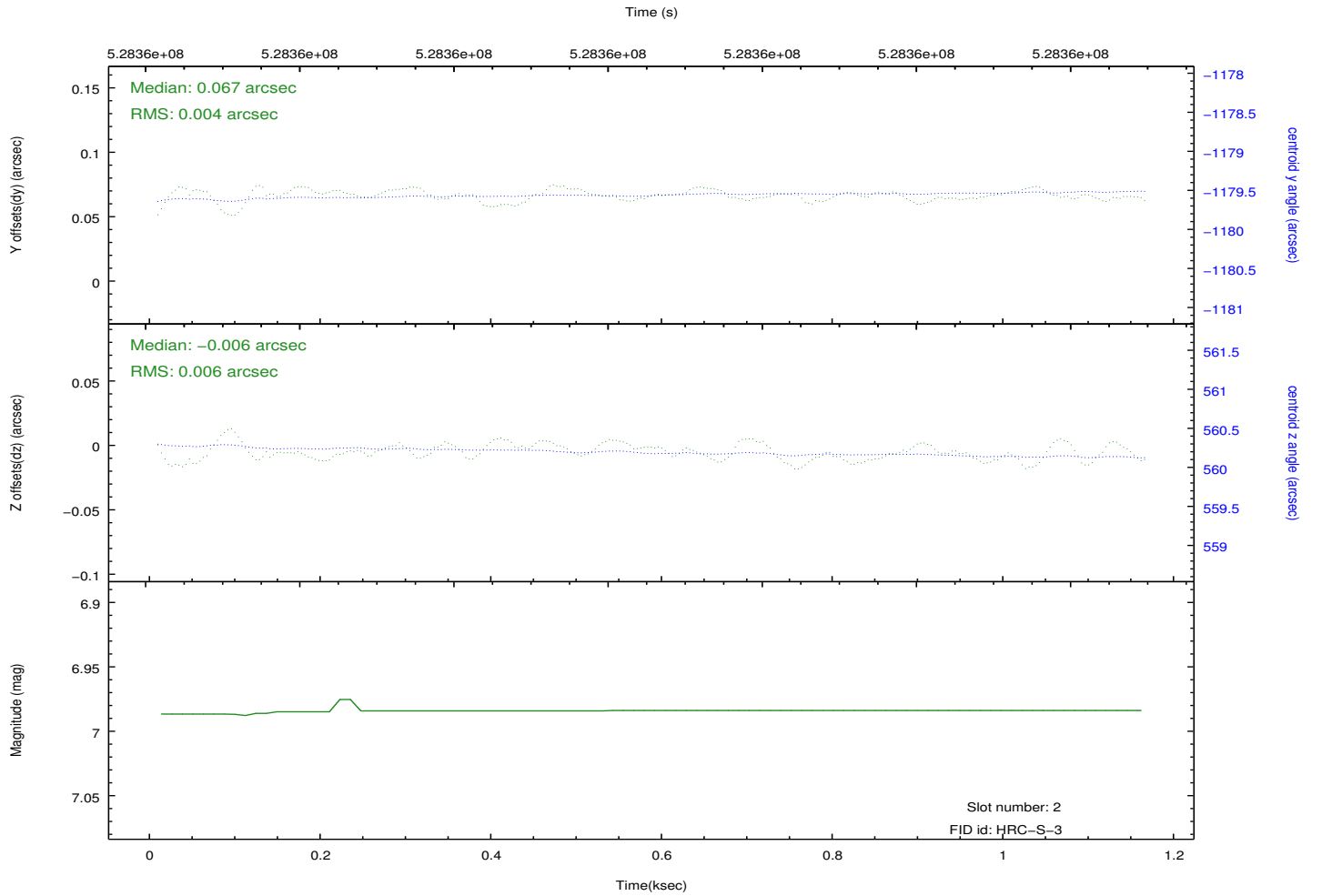
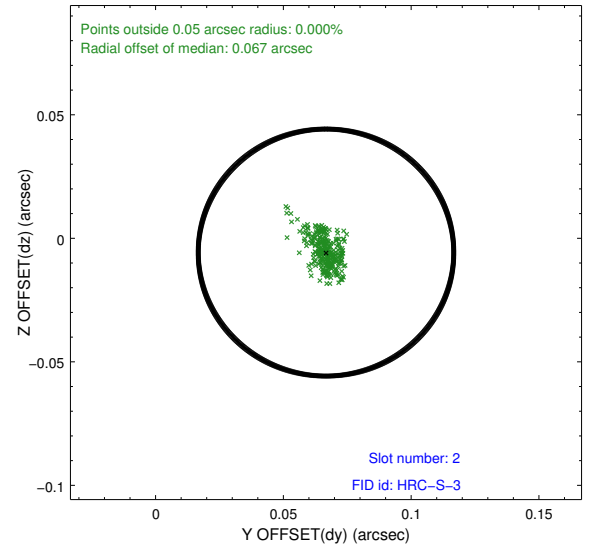
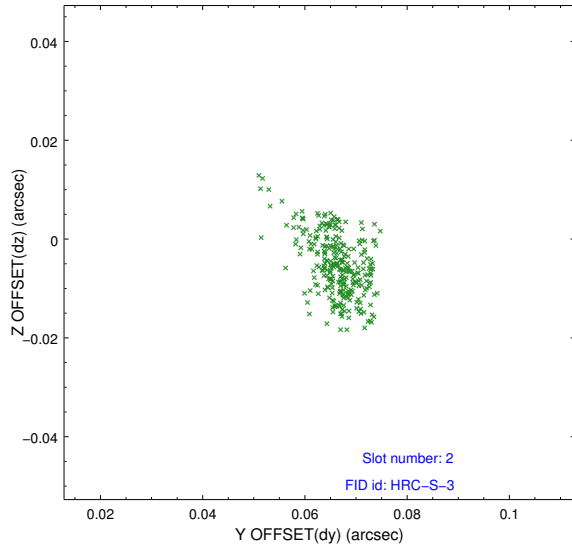
### 2.5.1 Slot 0



## 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)	2014.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1592750644088

### **A.2 Comments**