

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1870 - L2 Version 6  
Chandra X-Ray Center

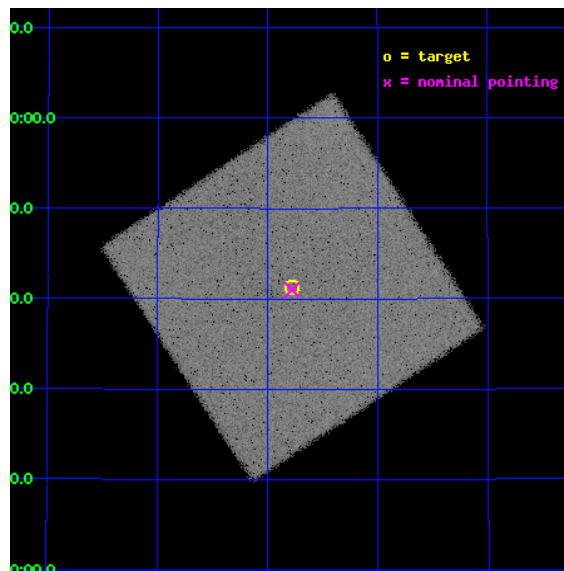
L2 Processing Date : Sep 6 2012

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# 1 Front

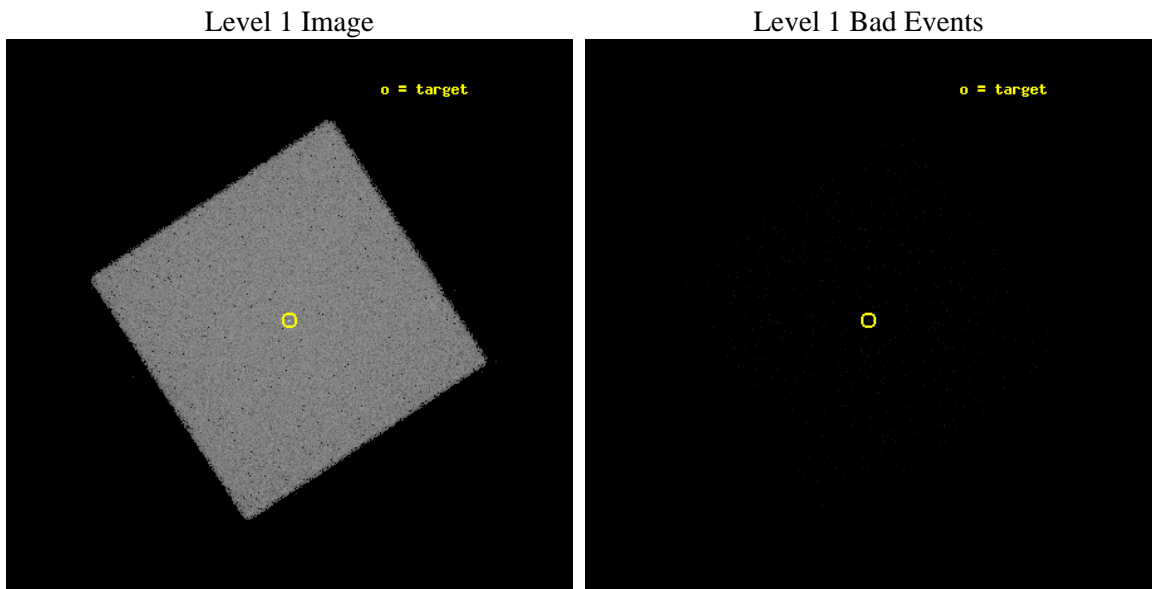
seq_num	200098	Sequence number
obs_id	1870	Observation id
title	INTRINSIC X-RAY EMISSION FROM M-TYPE GIANTS	Proposal title
observer	Dr Matthias Huensch	Principal investigator
object	HR 750	Source name
ra_targ	38.945833	Observer's specified target RA [deg]
dec_targ	34.687778	Observer's specified target Dec [deg]
ra_nom	38.944827097907	Nominal RA [deg]
dec_nom	34.68339076168	Nominal Dec [deg]
roll_nom	281.84021841727	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2893.8313611746	[s]
livetime	2867.2784952751	Ontime multiplied by DTCOR
l2events	219935	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2893.8313611746	[s]
caldbver	4.5.1.1	&#160	l1events	347982	Number of level 1 events
date	2012-09-06T11:41:28	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

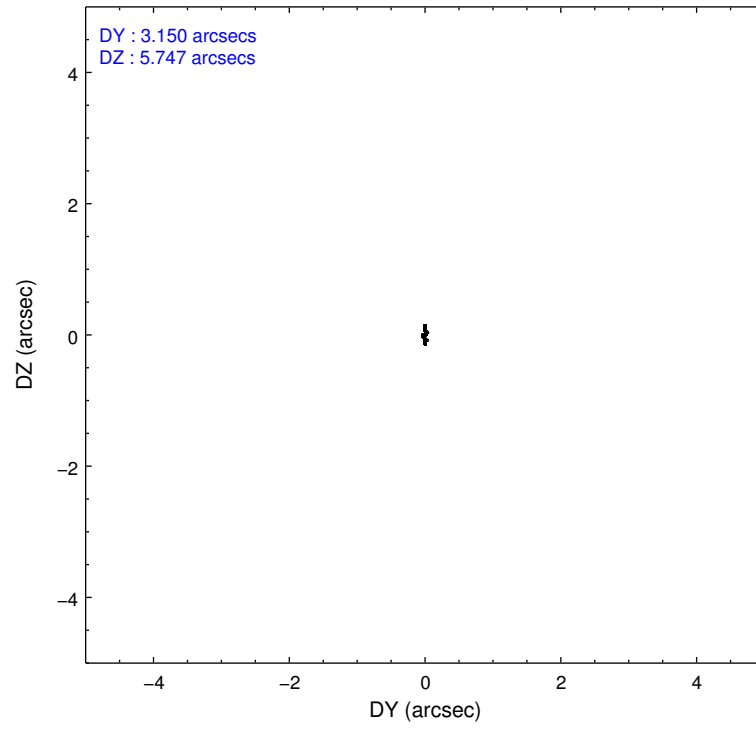
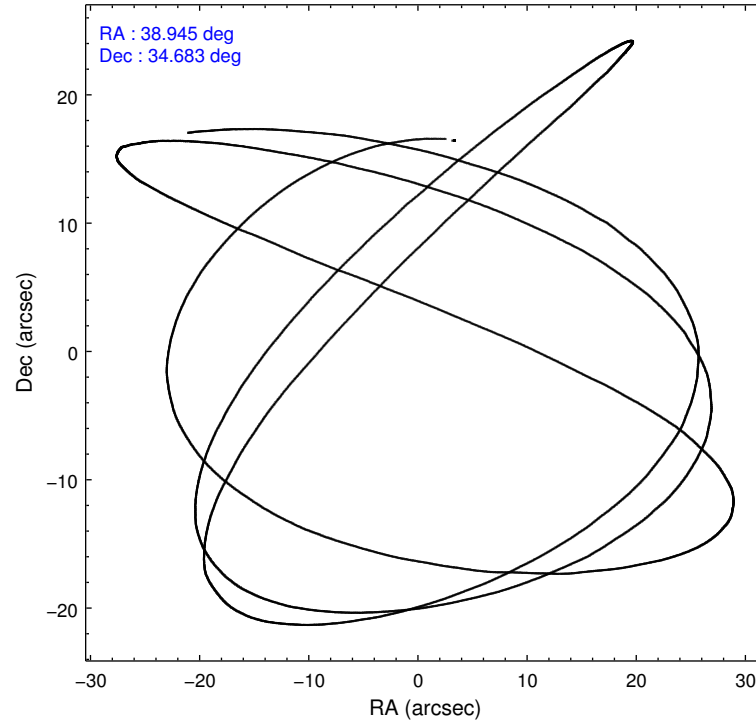
	<b>segment 0</b>
level 1 events	347982
rejected events	54633
rejected %	15%

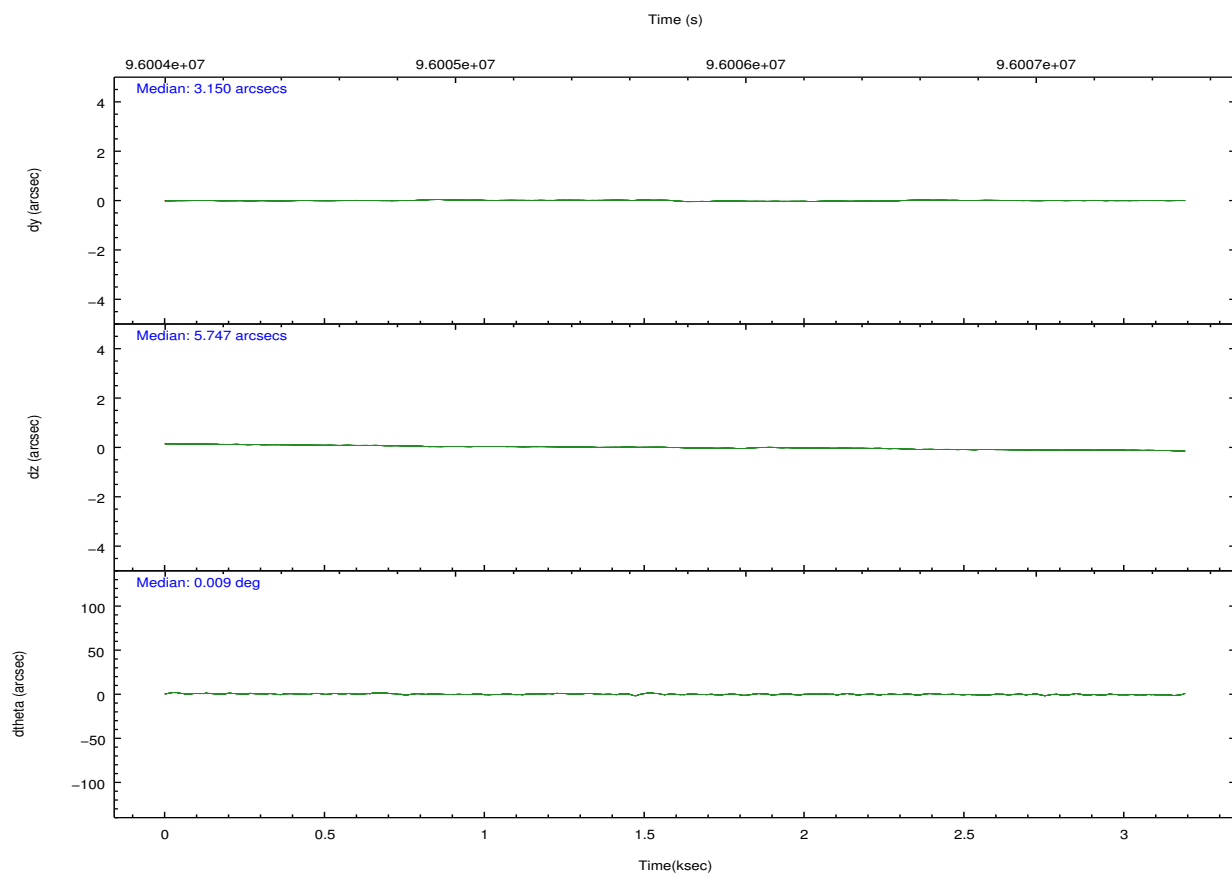
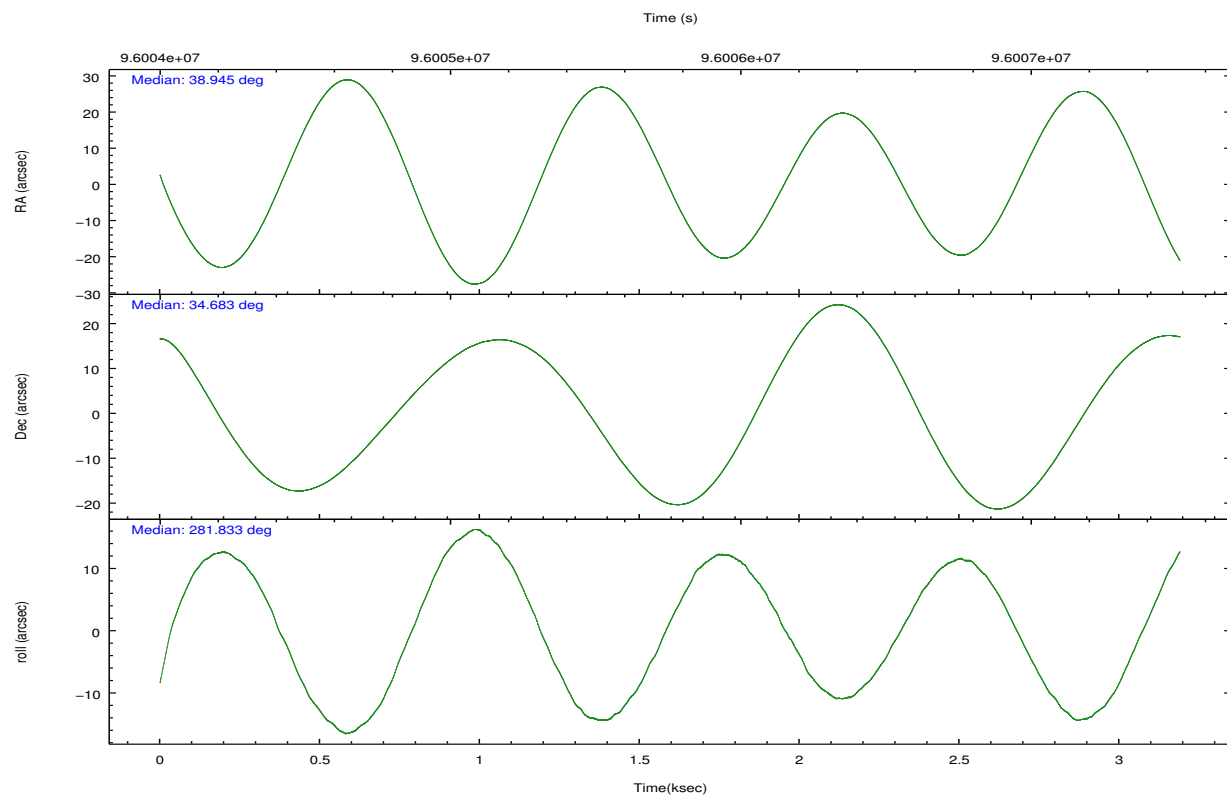
## 2.2 Compared Parameters

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	38.922323	38.94482709790705
[deg] Pointing Dec	34.703452	34.68339076167991
[deg] Pointing Roll	281.948513	281.8402184172677
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	96004351.184000	96003793.176498
Observation start date	2001-01-16T03:51:27	2001-01-16T03:43:13
[s] Observation end time (MET)	96007351.184000	96007949.039157
Observation end date	2001-01-16T04:41:27	2001-01-16T04:52:29

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

## 2.3 Aspect





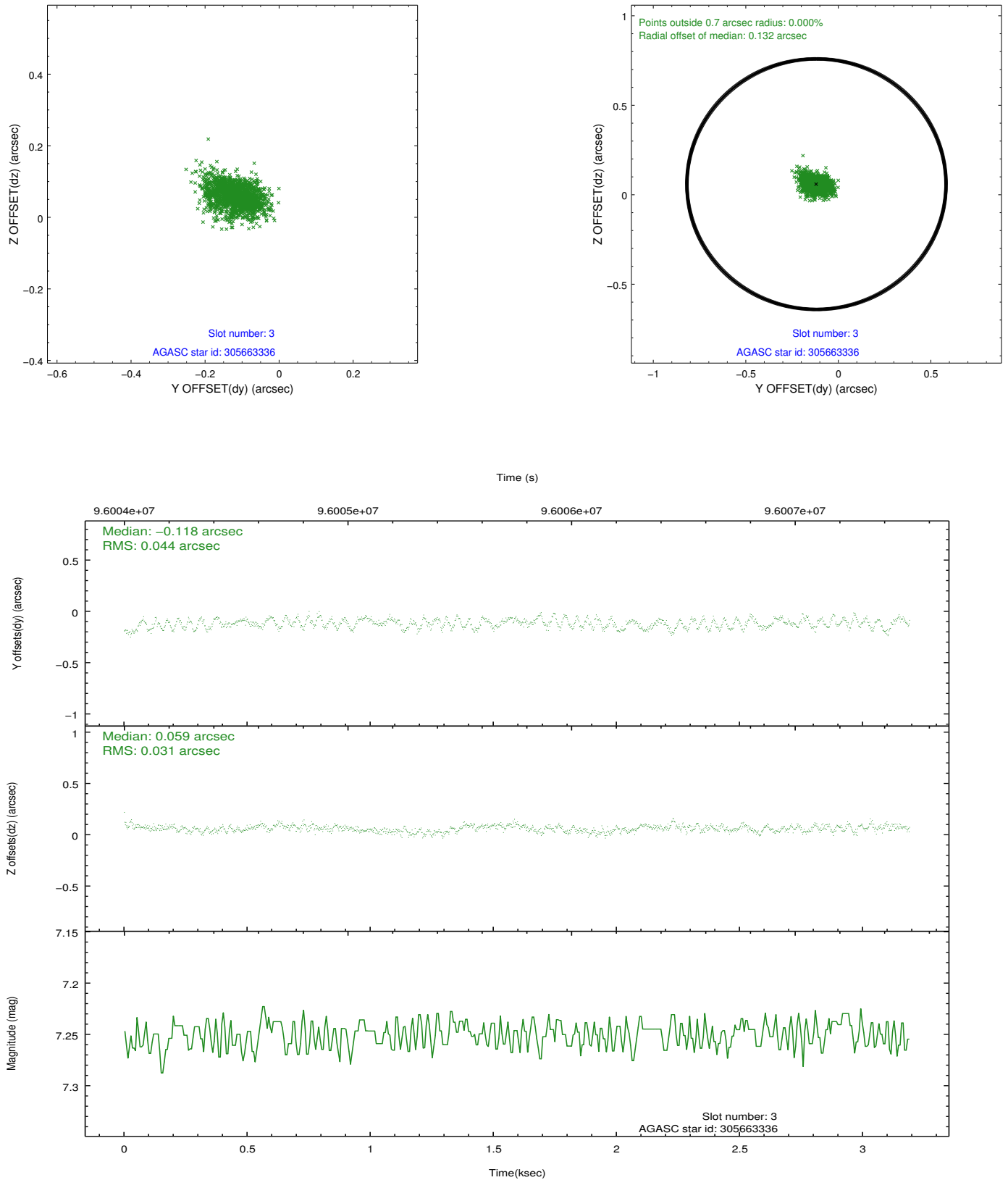
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.94	779	0.045	0.048	0.006	0.010	0.000000	0.000000	-758.58	-1293.55
1	FID	HRC-I-3	7.03	779	0.036	-0.087	0.007	0.012	0.000000	0.000000	-1188.05	1009.22
2	FID	HRC-I-4	6.98	779	0.034	-0.051	0.005	0.009	0.000000	0.000000	1282.67	1009.81
3	GUIDE	305663336	7.25	1557	-0.118	0.059	0.057	0.091	39.460811	35.160789	-1288.50	1891.34
4	GUIDE	305667080	7.78	1557	-0.181	0.041	0.061	0.095	38.573646	35.150111	-1789.64	-670.64
5	GUIDE	305674744	7.82	1557	0.158	-0.063	0.064	0.105	38.679832	34.084194	2028.28	-1169.77
6	GUIDE	305668336	8.12	1557	0.063	-0.127	0.061	0.101	38.428089	34.341356	967.88	-1708.01
7	GUIDE	305661824	8.18	1556	0.084	0.096	0.066	0.101	39.662786	34.343107	1716.03	1884.79

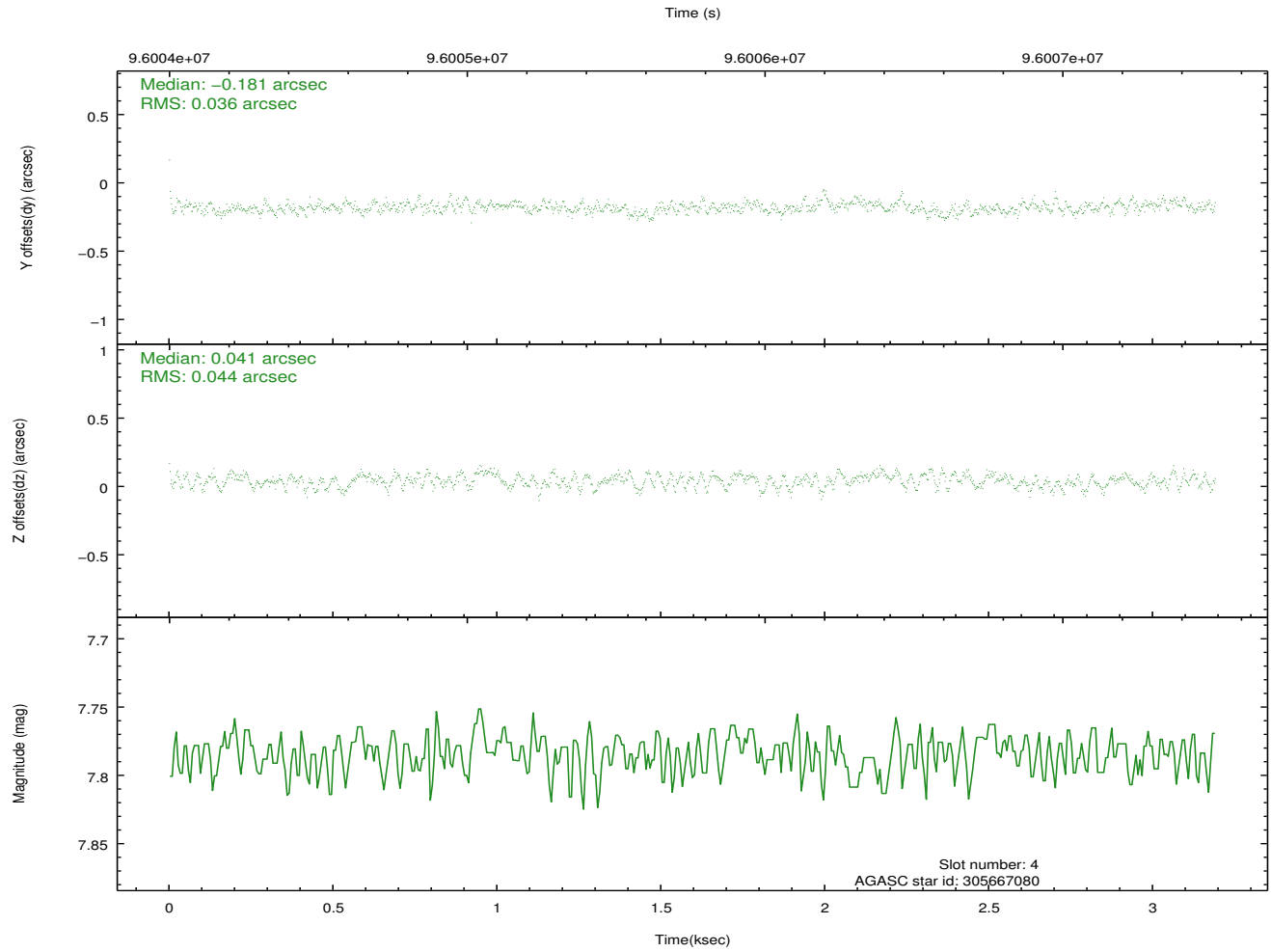
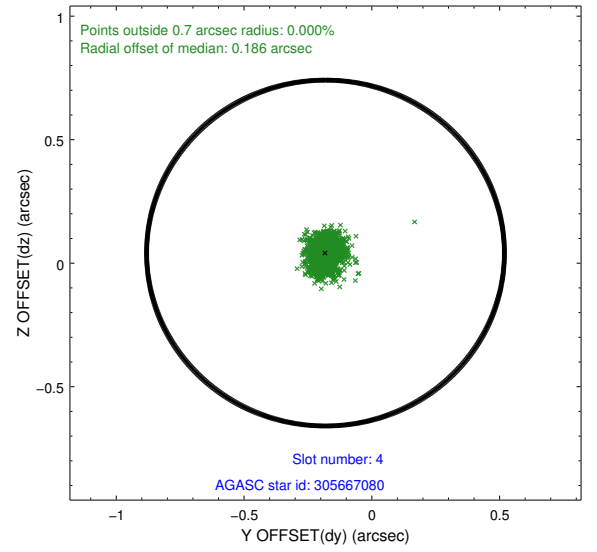
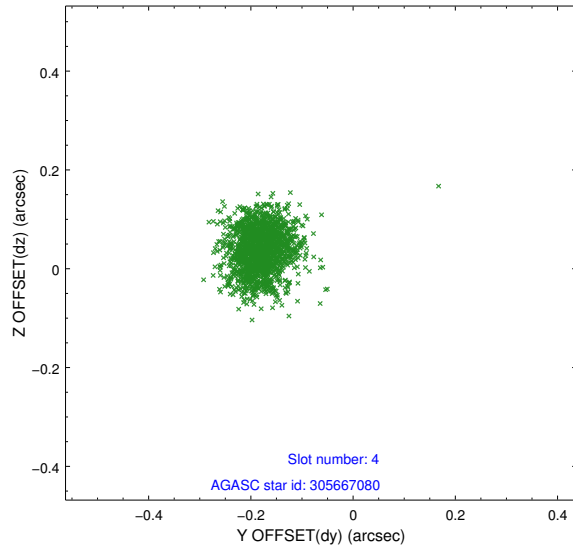


## 2.4 Star Slots

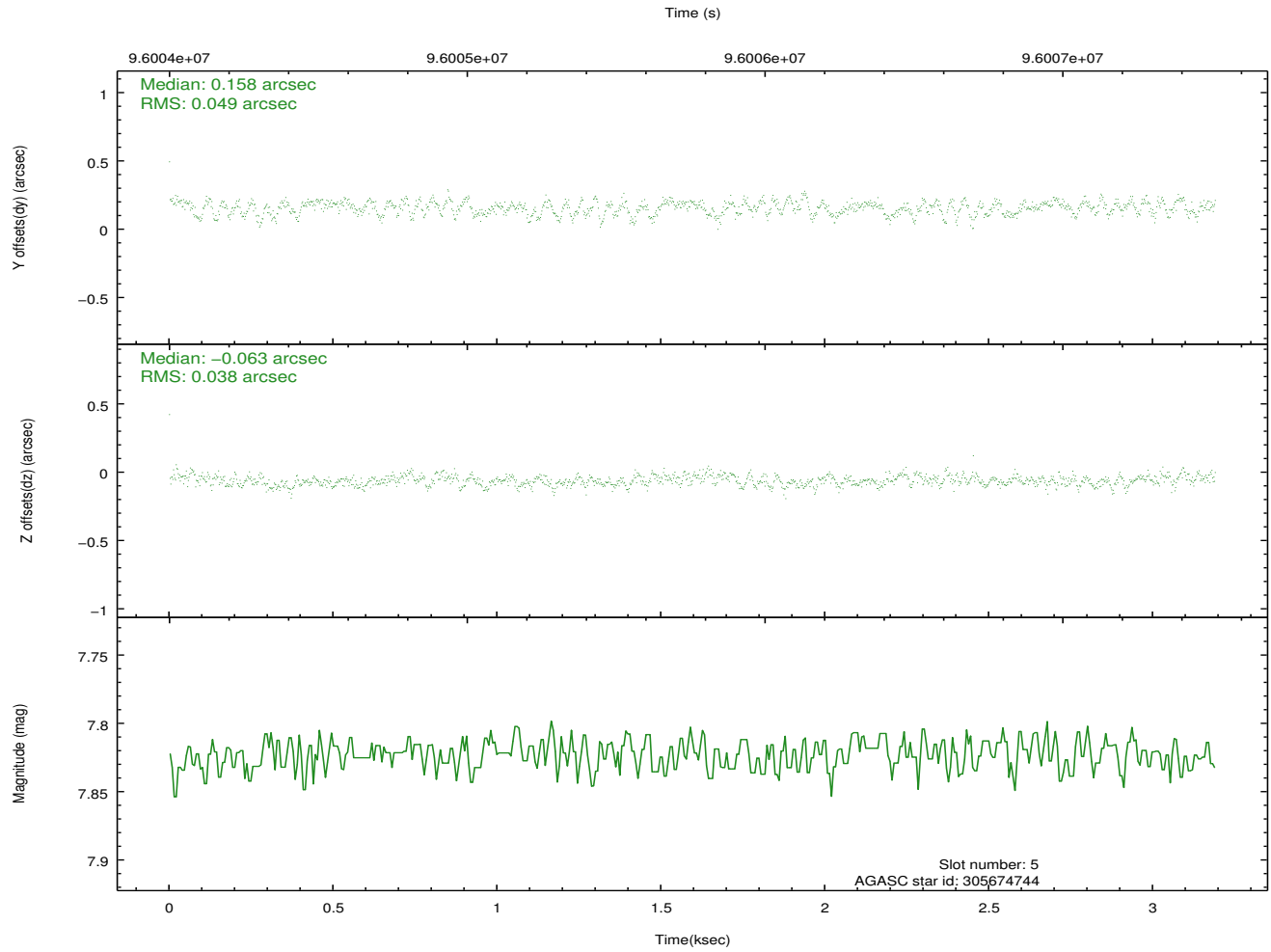
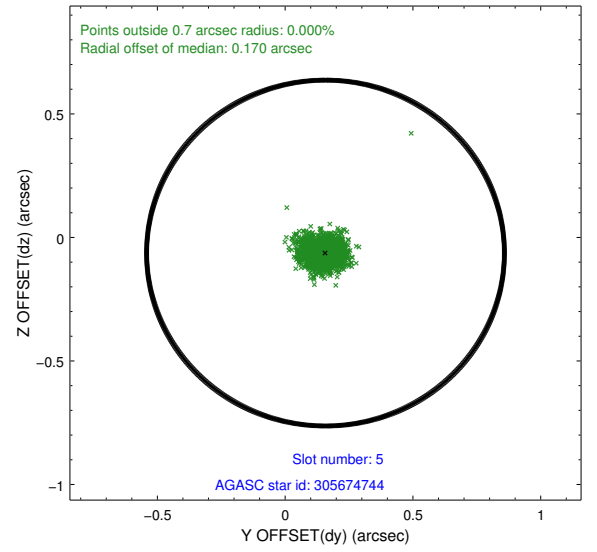
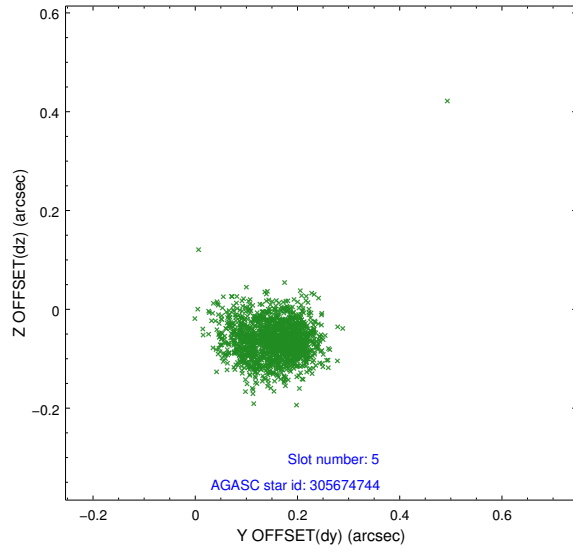
### 2.4.1 Slot 3



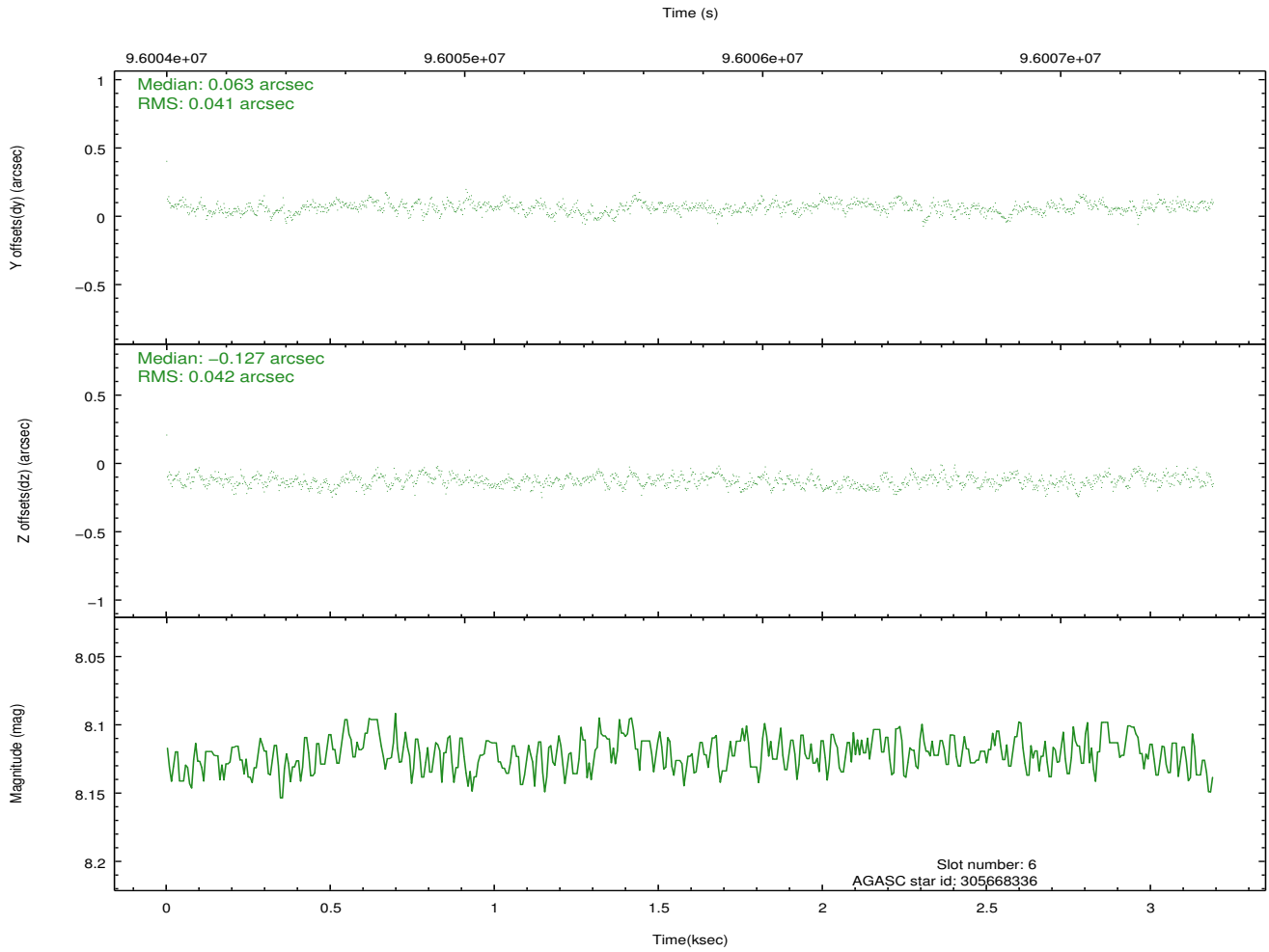
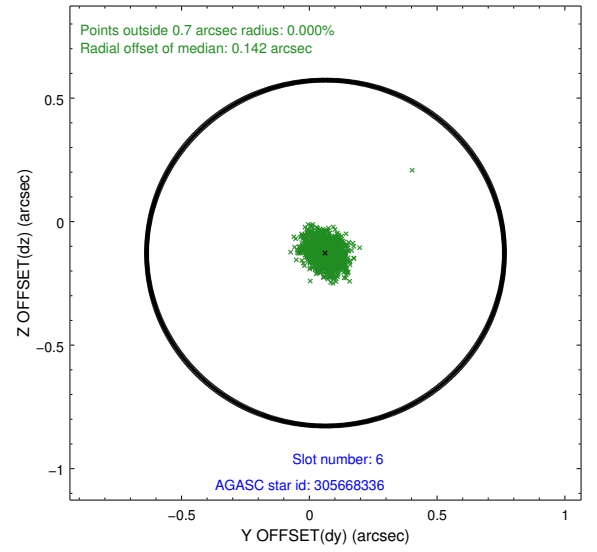
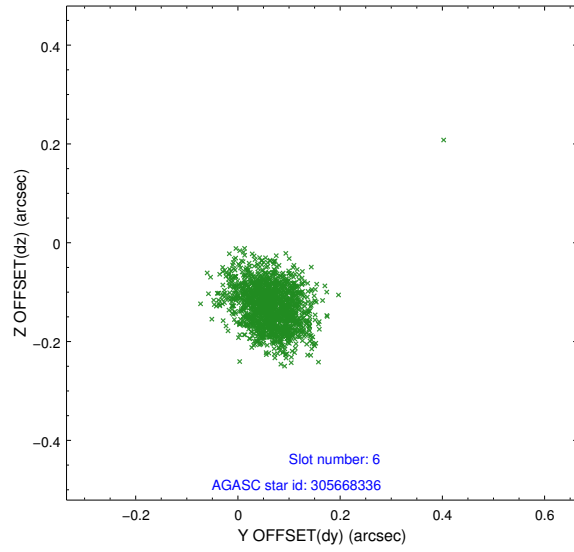
## 2.4.2 Slot 4



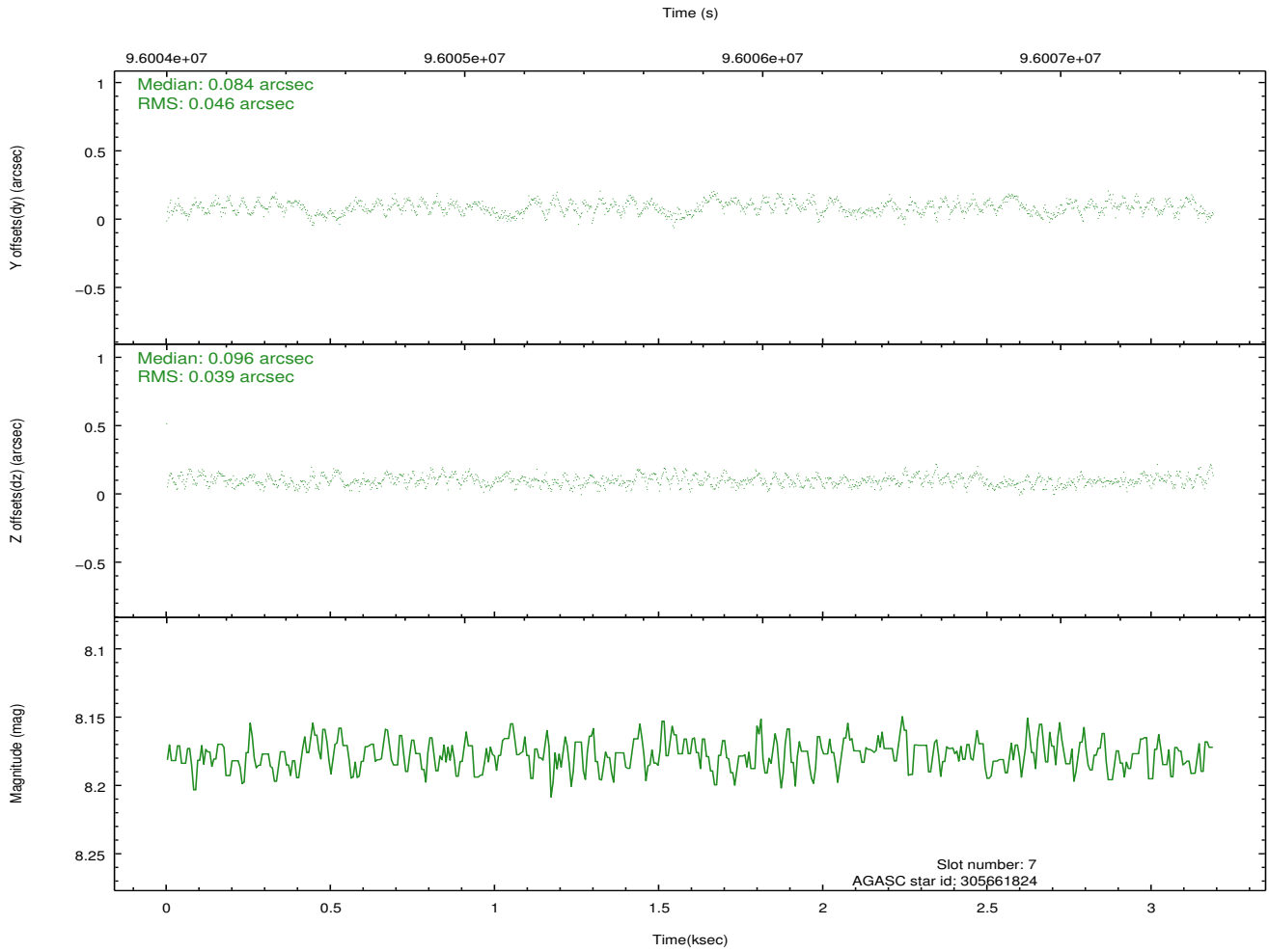
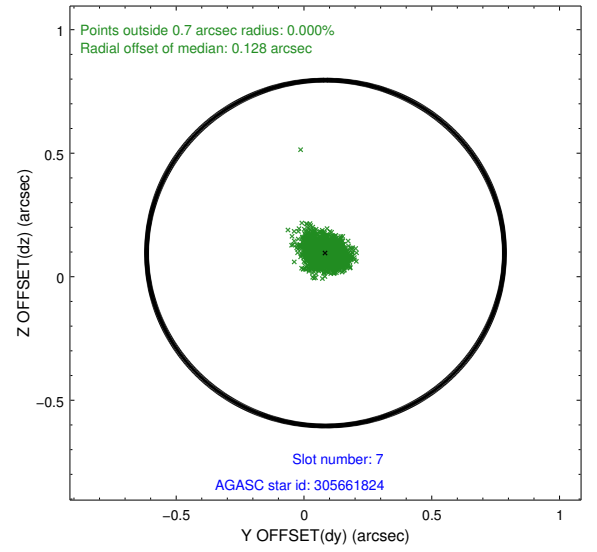
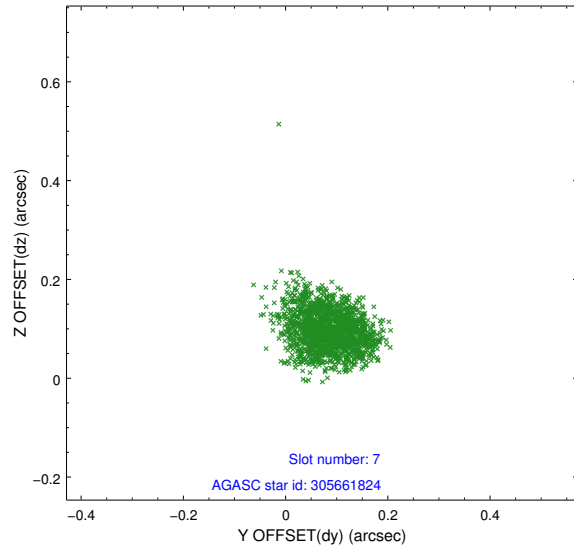
### 2.4.3 Slot 5



## 2.4.4 Slot 6

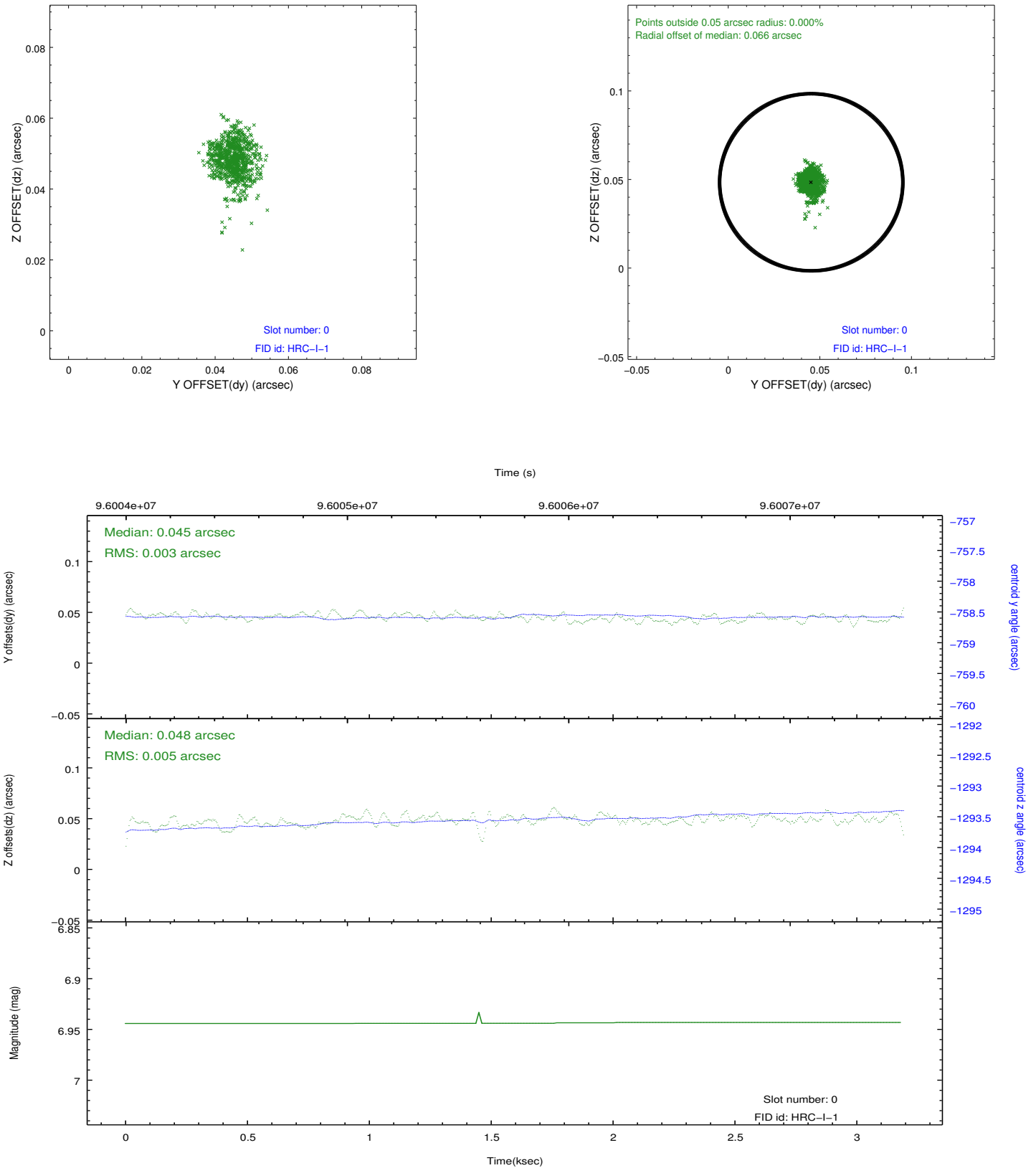


## 2.4.5 Slot 7

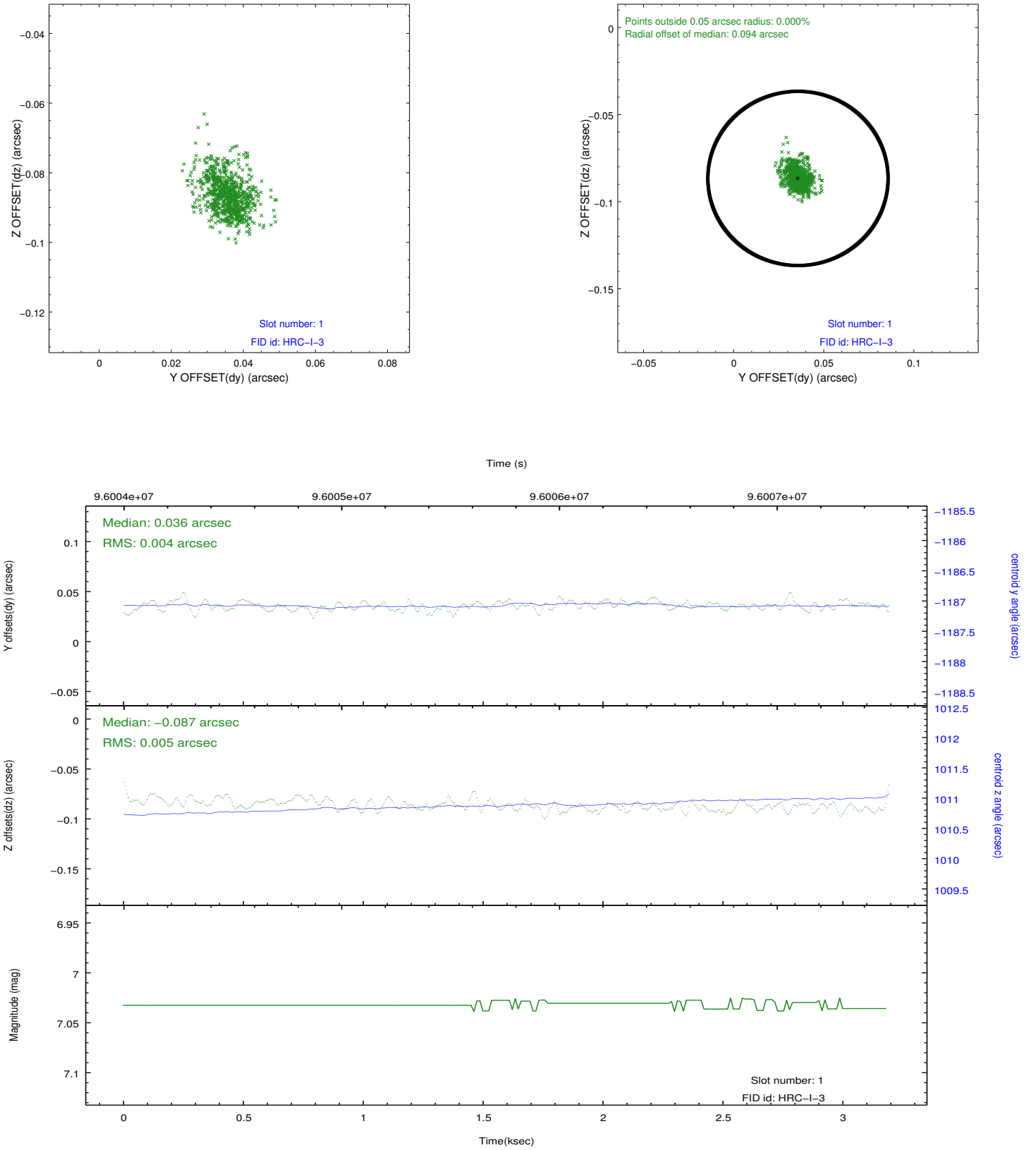


## 2.5 FID Slots

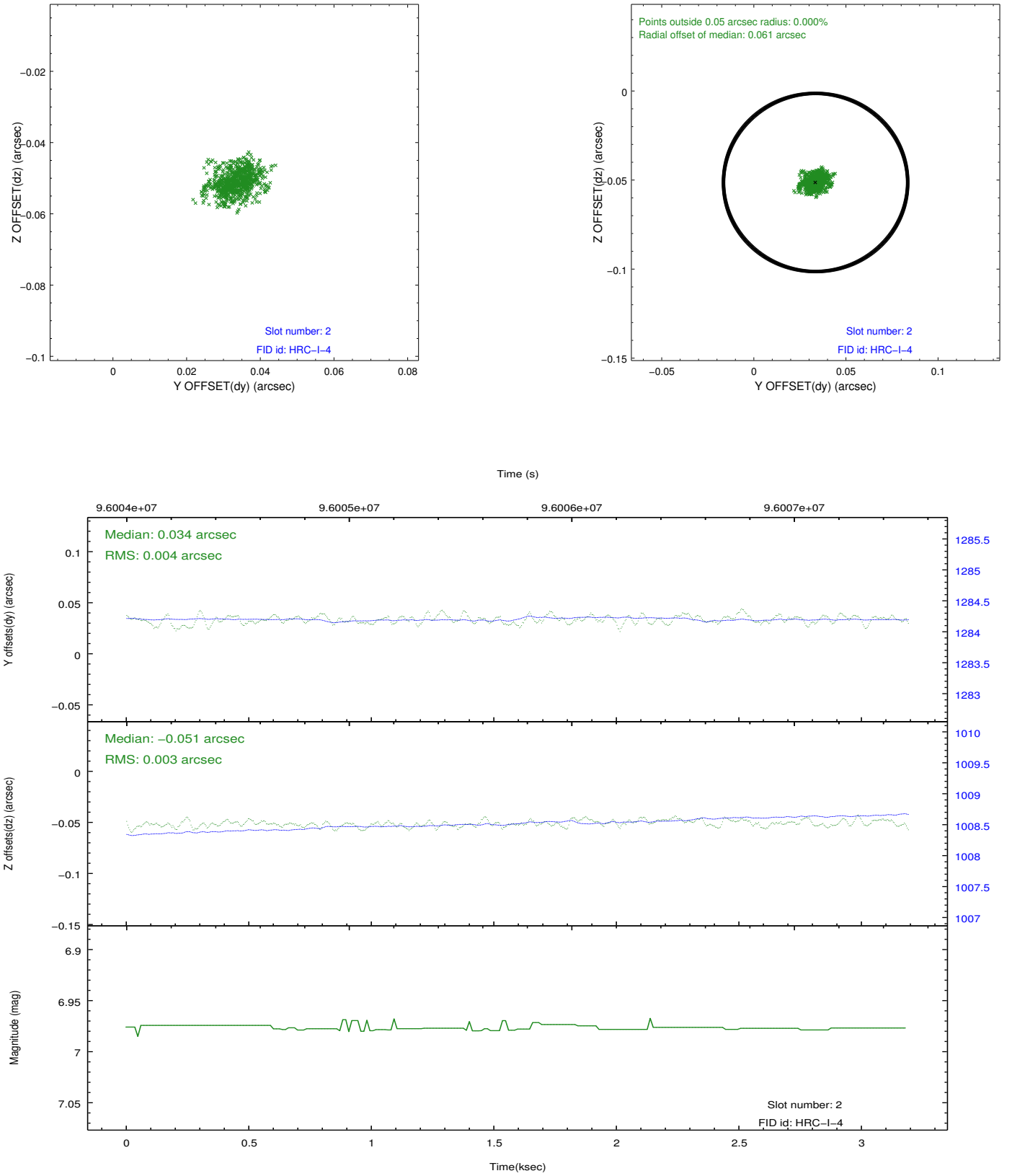
### 2.5.1 Slot 0



## 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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.893

### A.2 Comments