

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6497 - L2 Version 3  
Chandra X-Ray Center

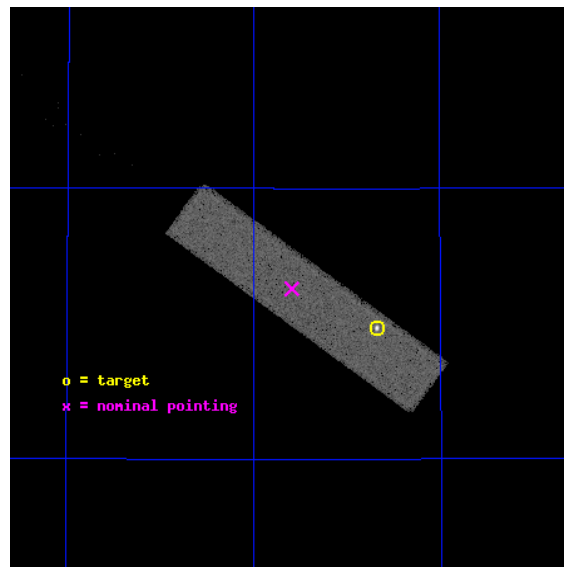
L2 Processing Date : Aug 11 2012

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# 1 Front

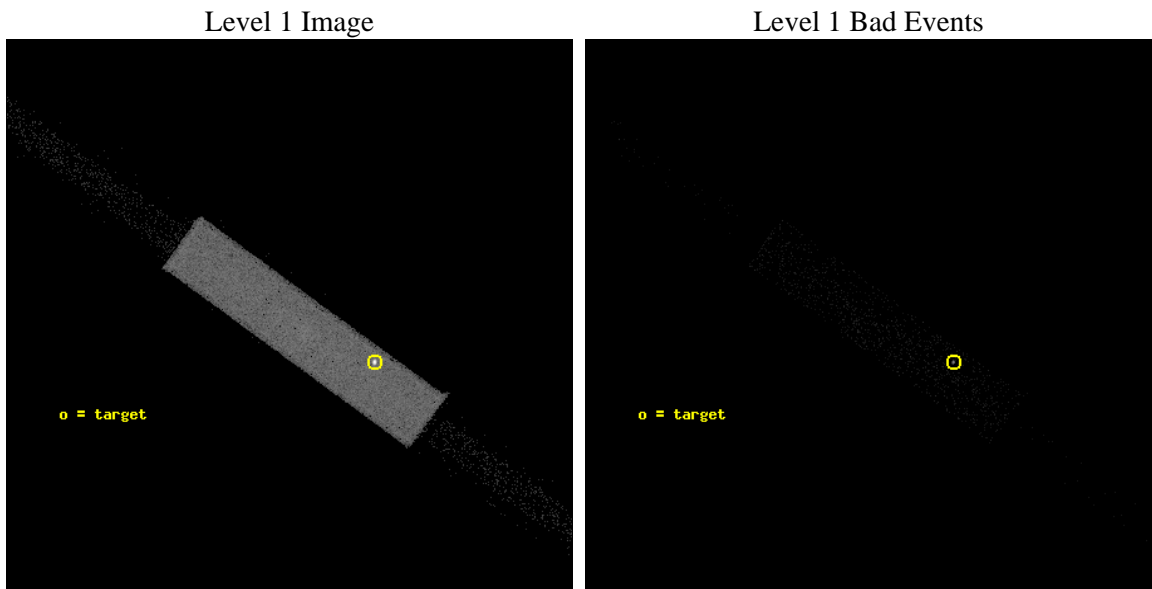
seq_num	290590	Sequence number
obs_id	6497	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.39762050875	Nominal RA [deg]
dec_nom	45.815131373024	Nominal Dec [deg]
roll_nom	35.887246889846	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1156.2000537813	[s]
livetime	1147.2623526328	Ontime multiplied by DTCOR
l2events	62973	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	8.4.5	Processing system revision	ontime	1156.2000537813	[s]
caldbver	4.5.1.1	&#160	l1events	98338	Number of level 1 events
date	2012-08-11T05:37:28	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

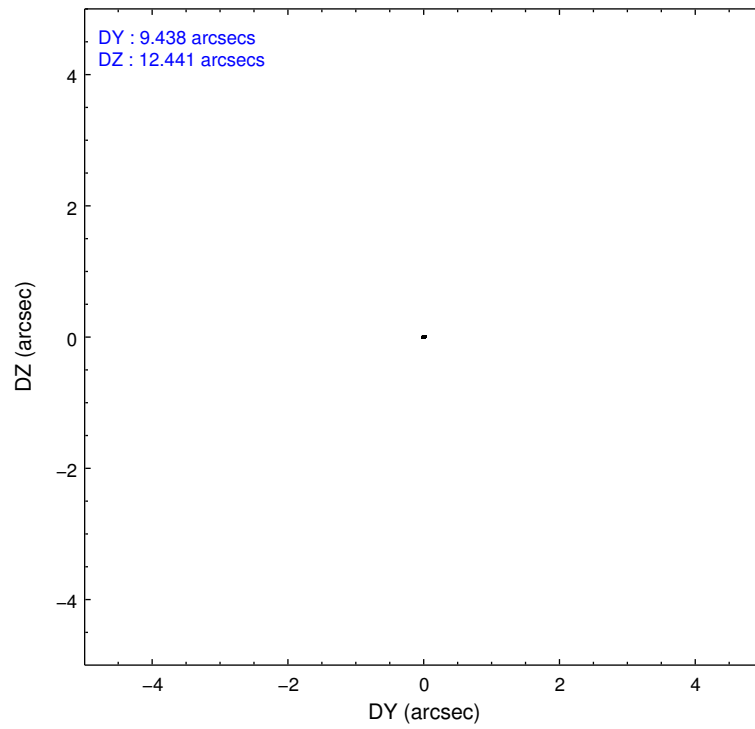
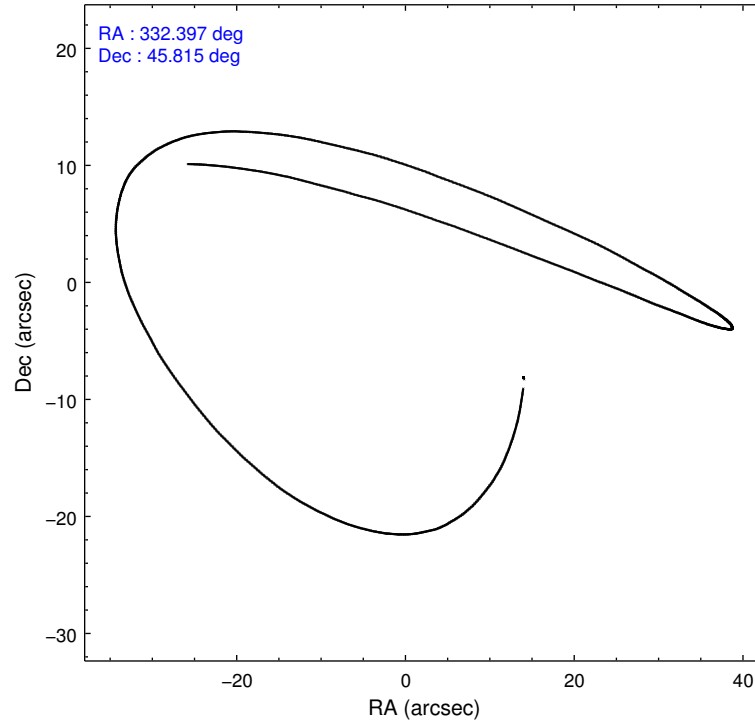
Level 1 Events

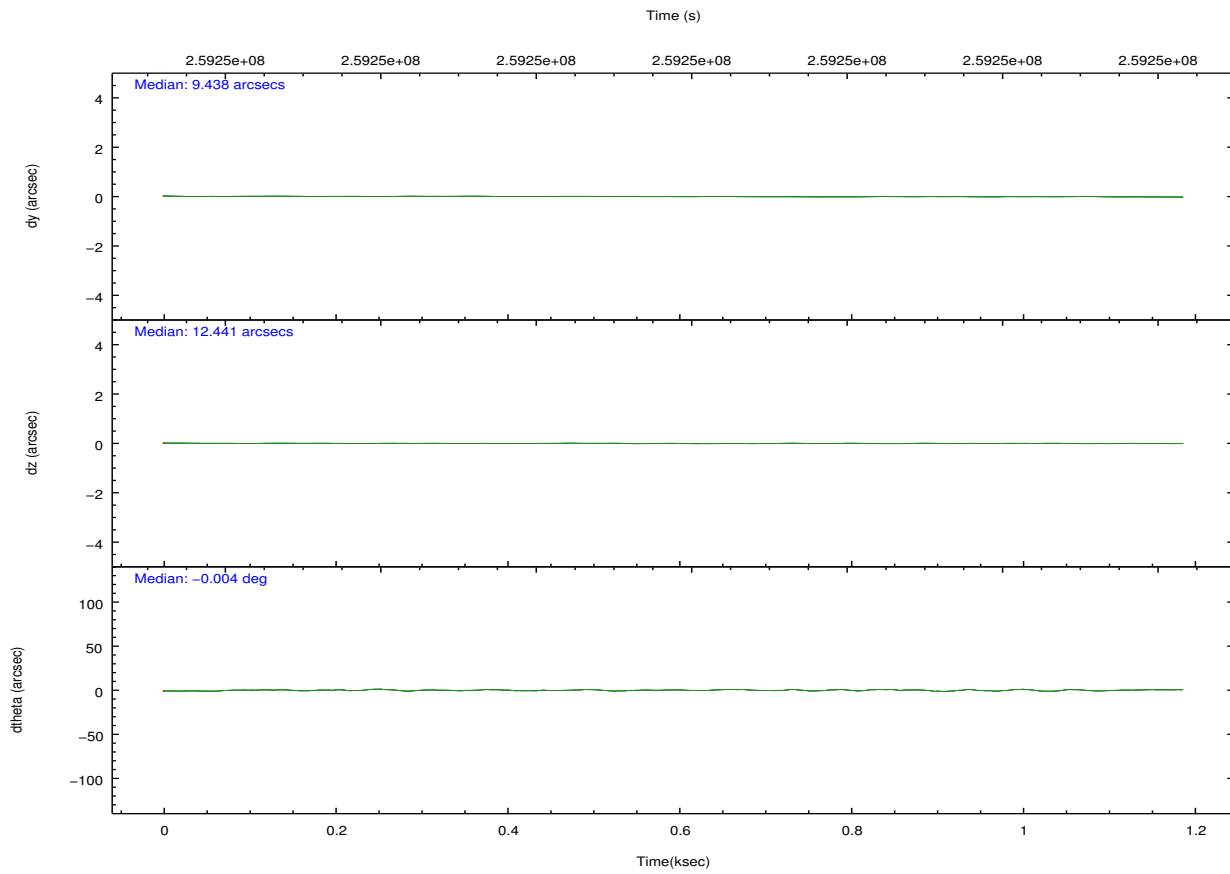
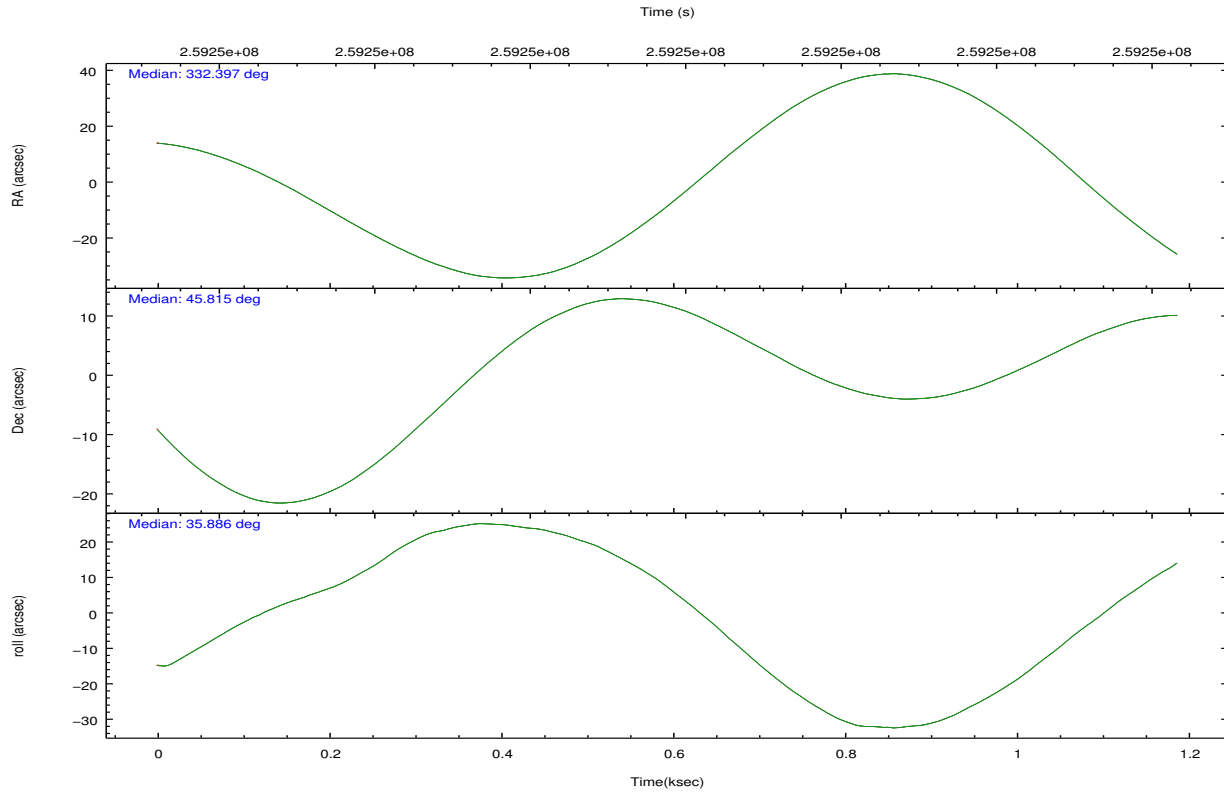
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	821	96664	853
rejected events	821	20597	829
rejected %	100%	21%	97%

## 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	332.382264	332.3976205087511			
[deg] Pointing Dec	45.789028	45.81513137302435			
[deg] Pointing Roll	35.830903	35.88724688984649			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	259252169.184000	259251793.5312			
Observation start date	2006-03-20T14:28:24	2006-03-20T14:23:13			
[s] Observation end time (MET)	259253169.184000	259254161.28131			
Observation end date	2006-03-20T14:45:04	2006-03-20T15:02:41			

## 2.3 Aspect



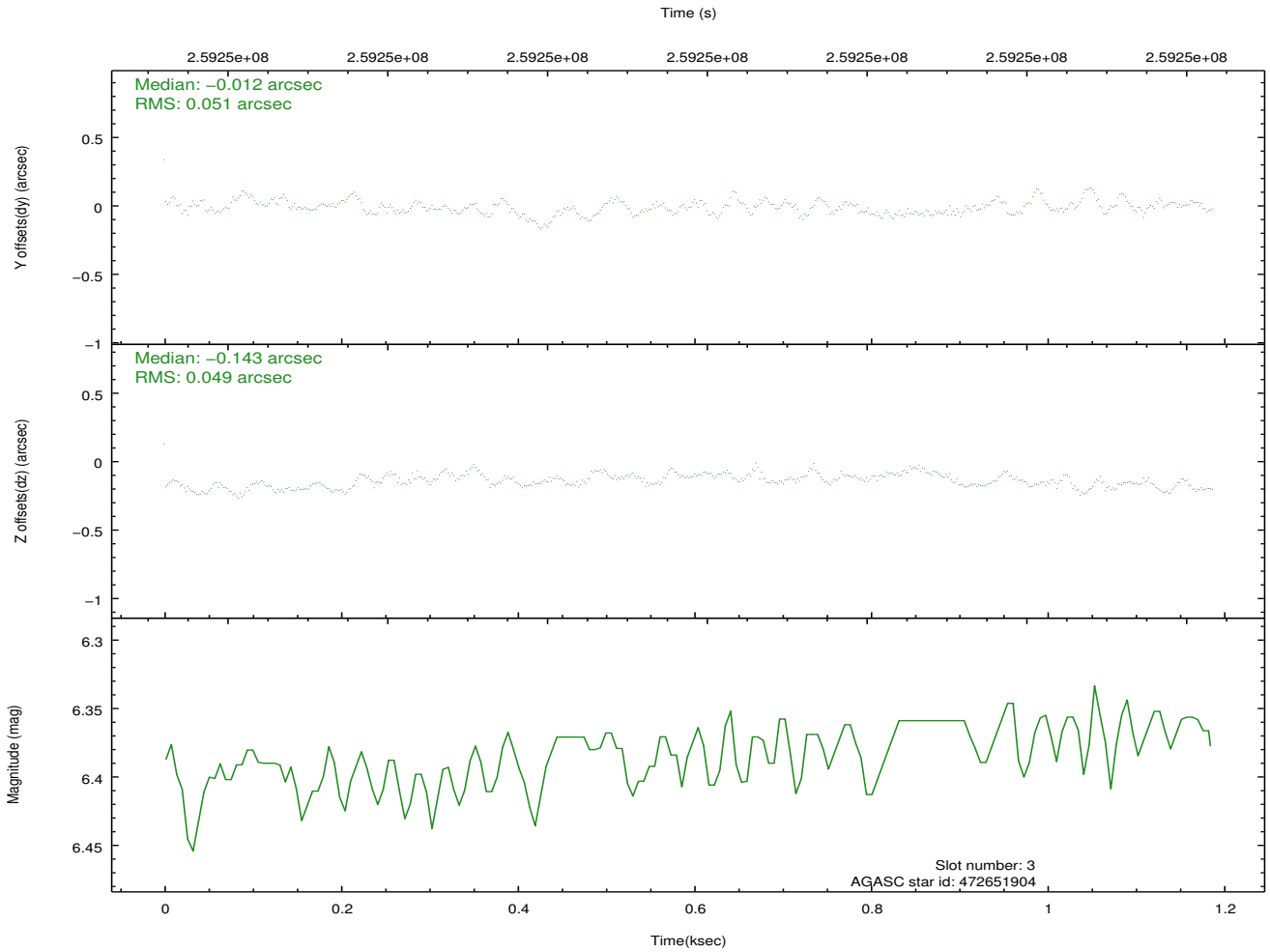
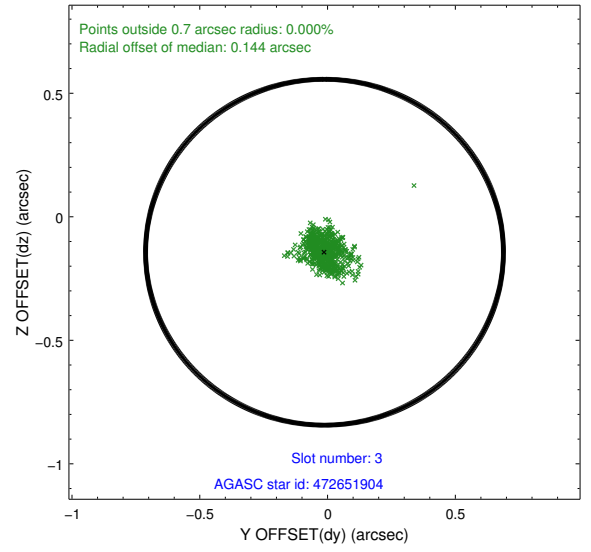
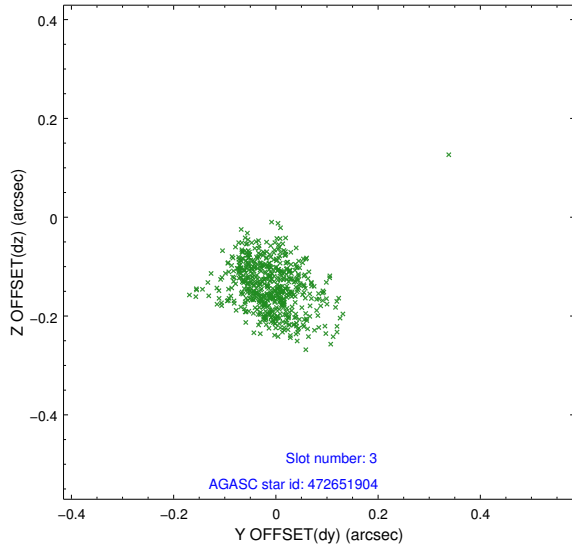


### Slot Statistics

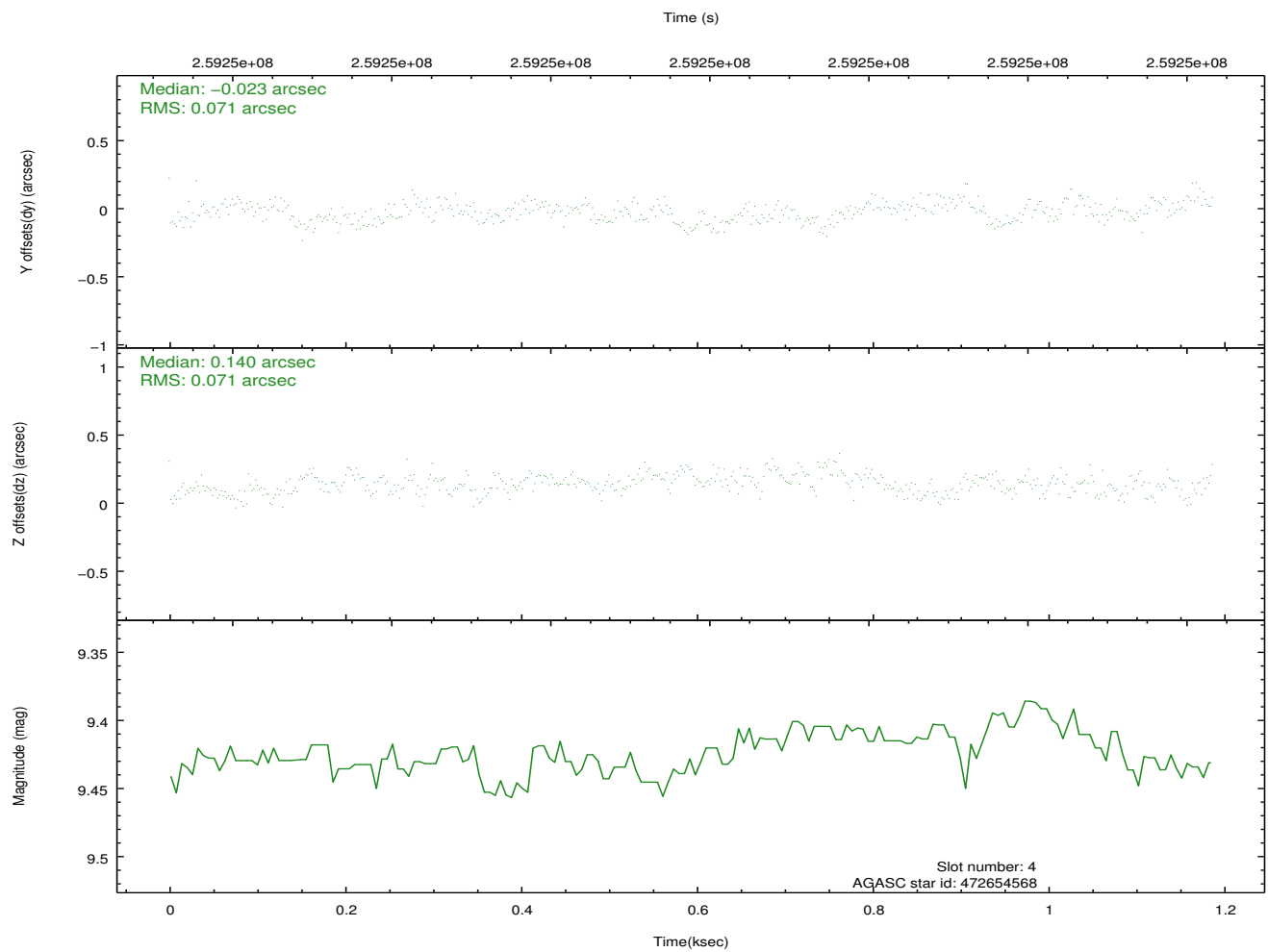
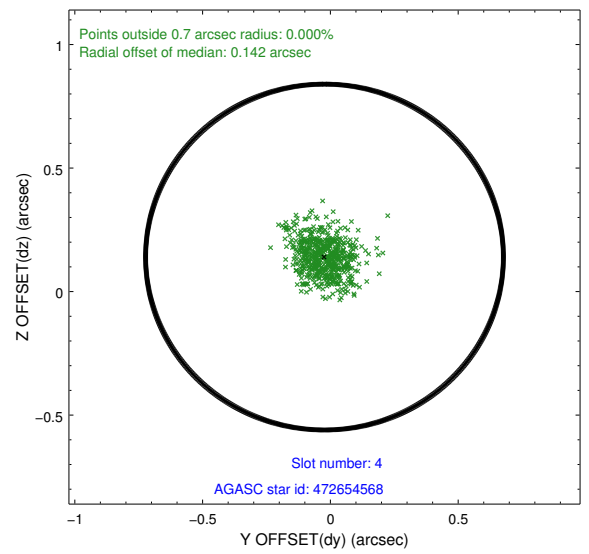
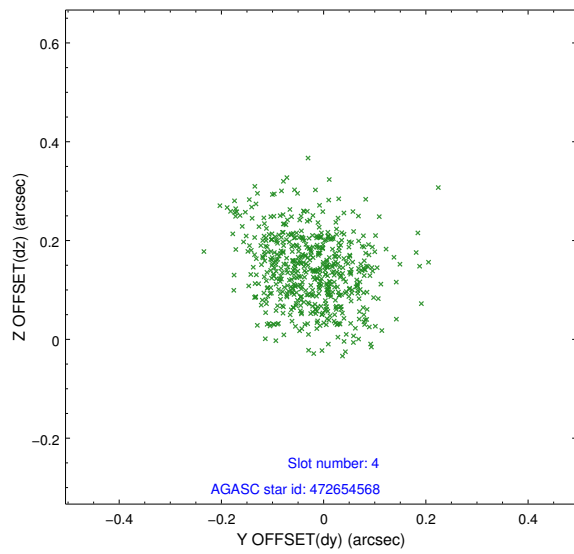
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	290	0.143	-0.132	0.008	0.014	0.000000	0.000000	-1163.61	-461.18
1	FID	HRC-S-2	7.04	290	0.126	-0.105	0.005	0.009	0.000000	0.000000	1232.01	-455.36
2	FID	HRC-S-3	7.05	290	0.120	-0.065	0.007	0.012	0.000000	0.000000	-1162.12	566.83
3	GUIDE	472651904	6.38	580	-0.012	-0.143	0.073	0.120	332.170077	45.742257	-530.07	178.91
4	GUIDE	472654568	9.43	580	-0.023	0.140	0.105	0.178	332.194449	45.063576	-1916.25	-1834.51
5	GUIDE	472655152	9.43	580	0.188	-0.068	0.109	0.168	332.504239	45.862991	401.20	36.25
6	GUIDE	472665256	9.02	573	-0.059	0.013	0.092	0.333	332.808125	46.195041	1718.76	568.82
7	GUIDE	472663080	9.41	579	-0.073	0.028	0.108	0.189	332.652741	46.473840	1990.81	1610.76

## 2.4 Star Slots

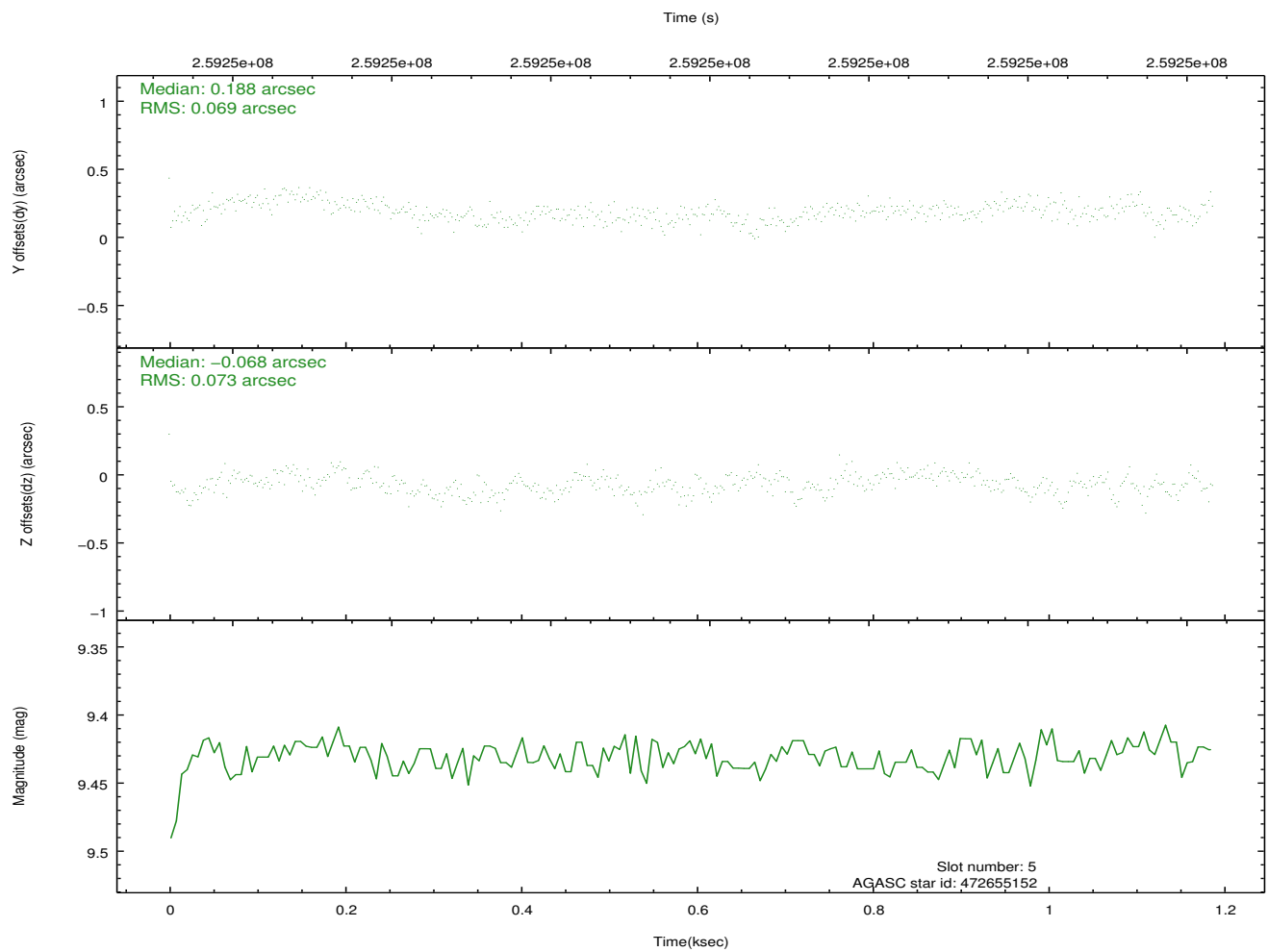
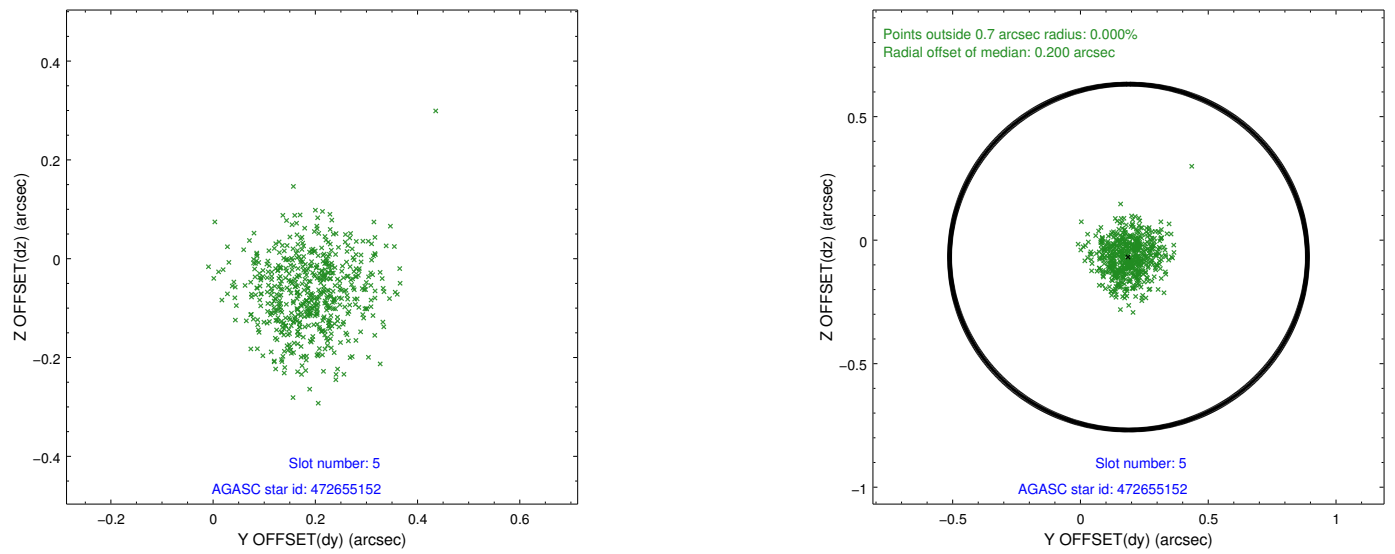
### 2.4.1 Slot 3



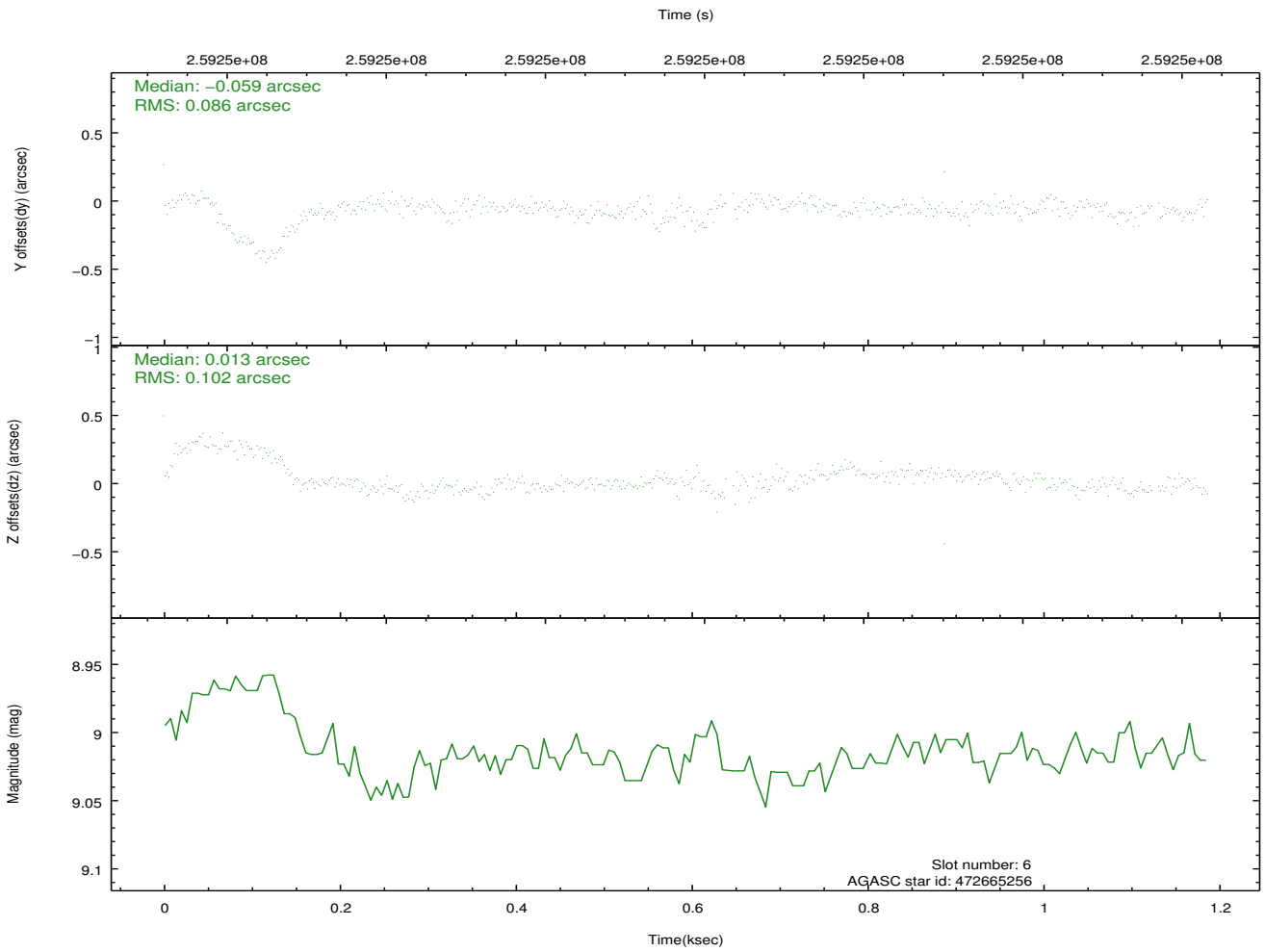
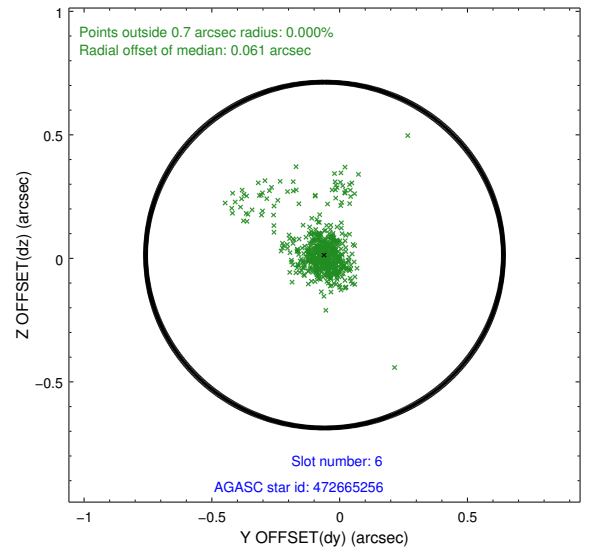
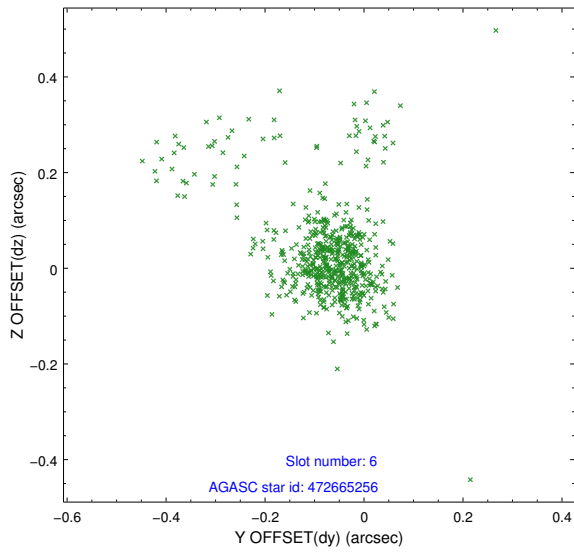
## 2.4.2 Slot 4



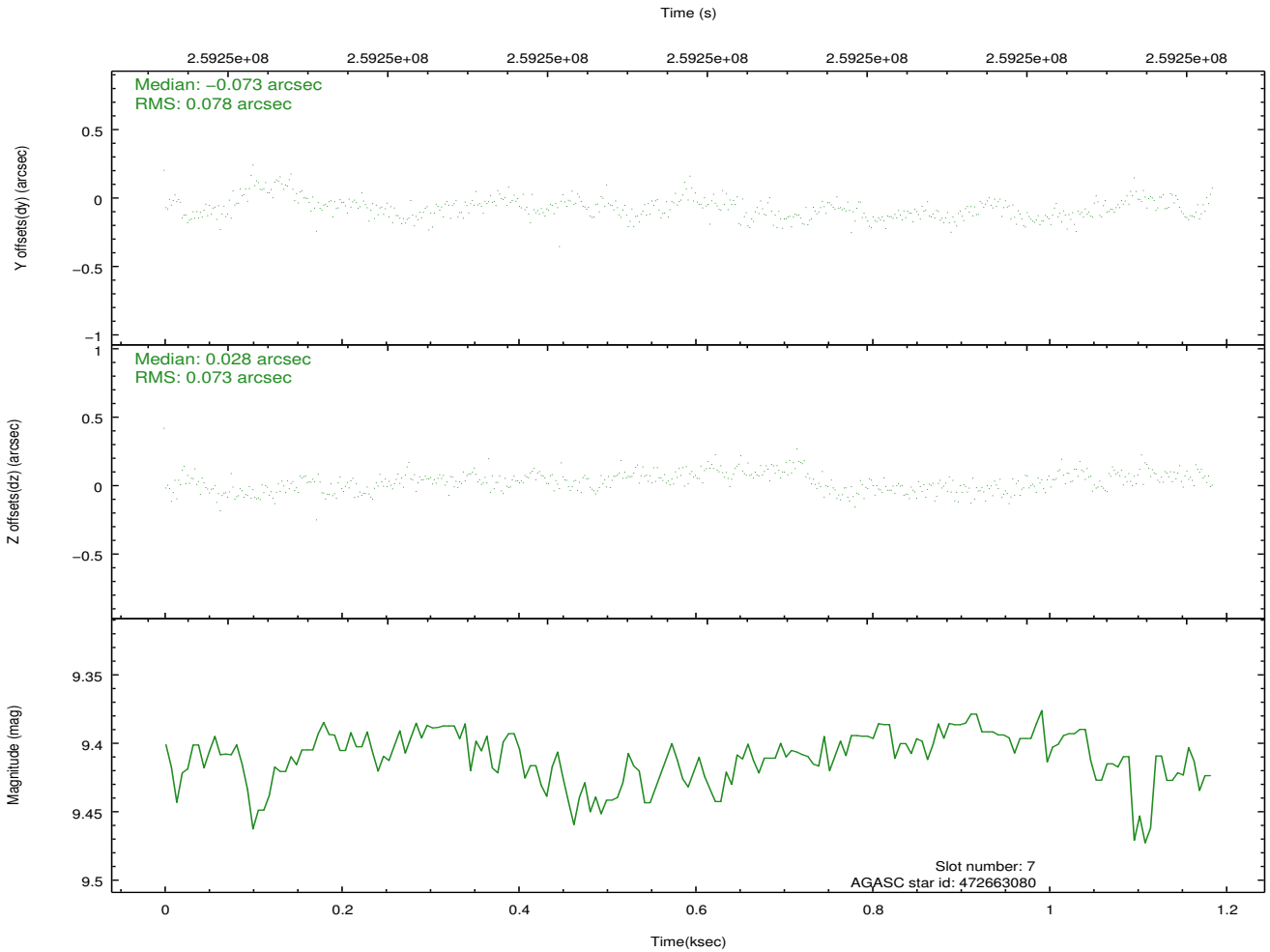
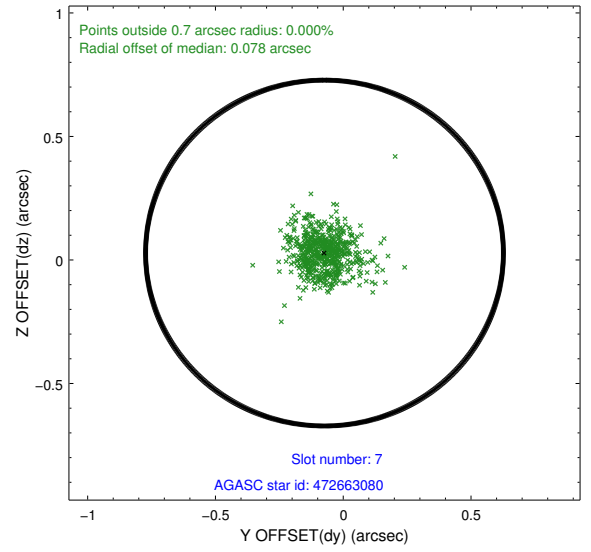
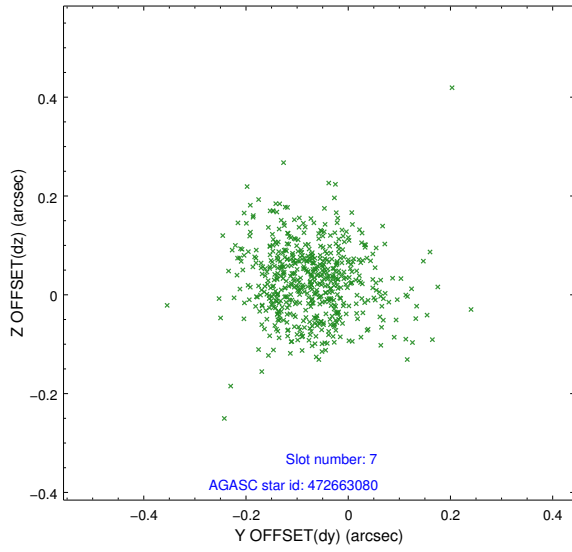
### 2.4.3 Slot 5



### 2.4.4 Slot 6

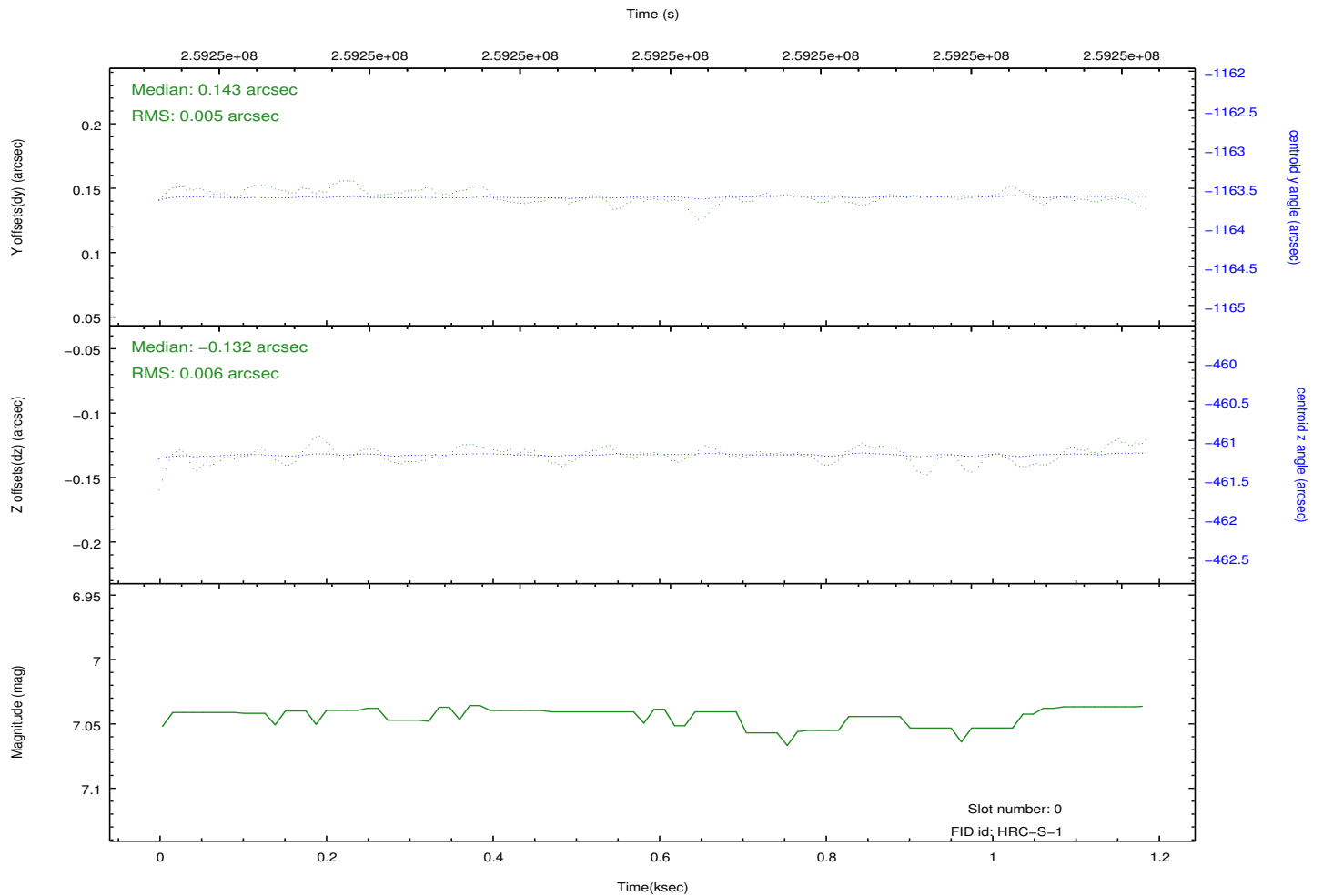
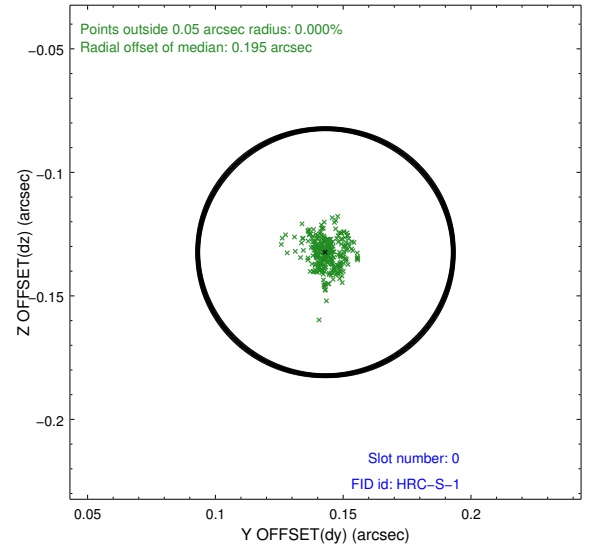
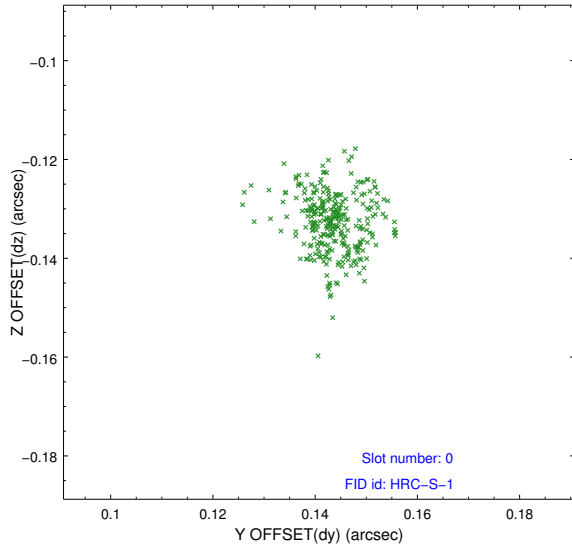


### 2.4.5 Slot 7

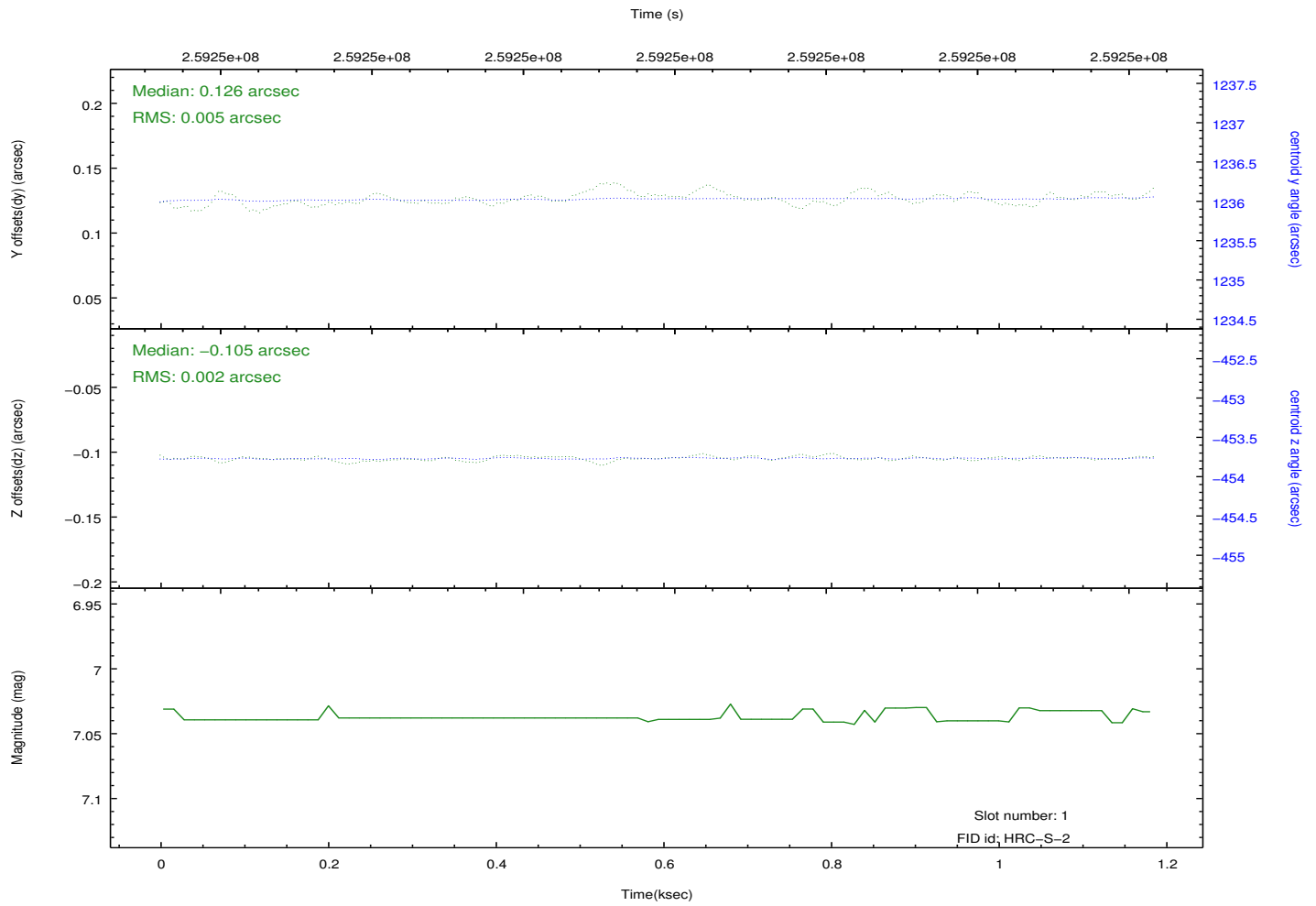
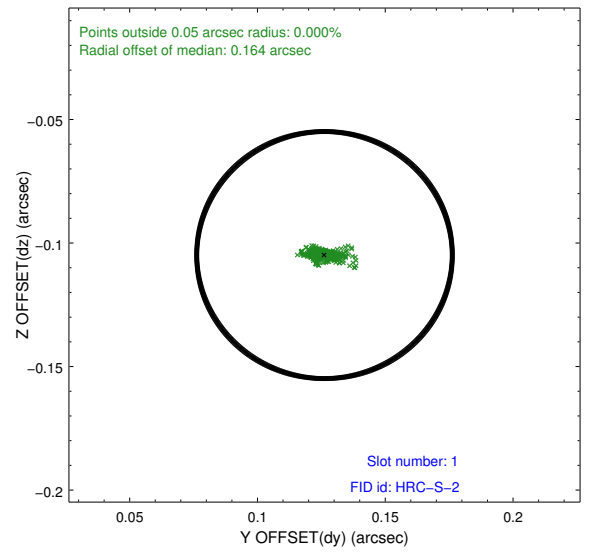
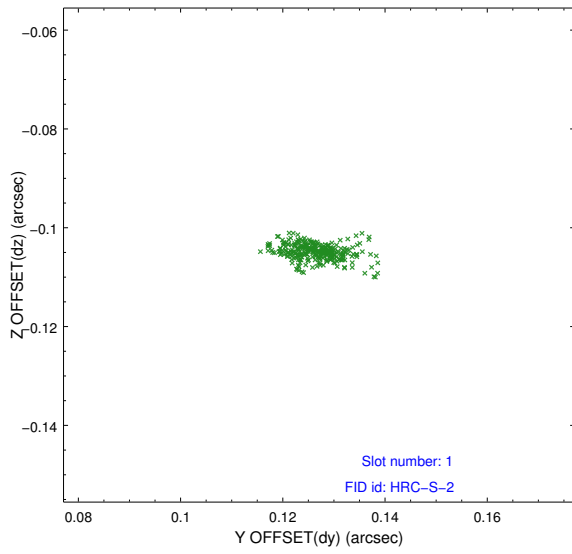


## 2.5 FID Slots

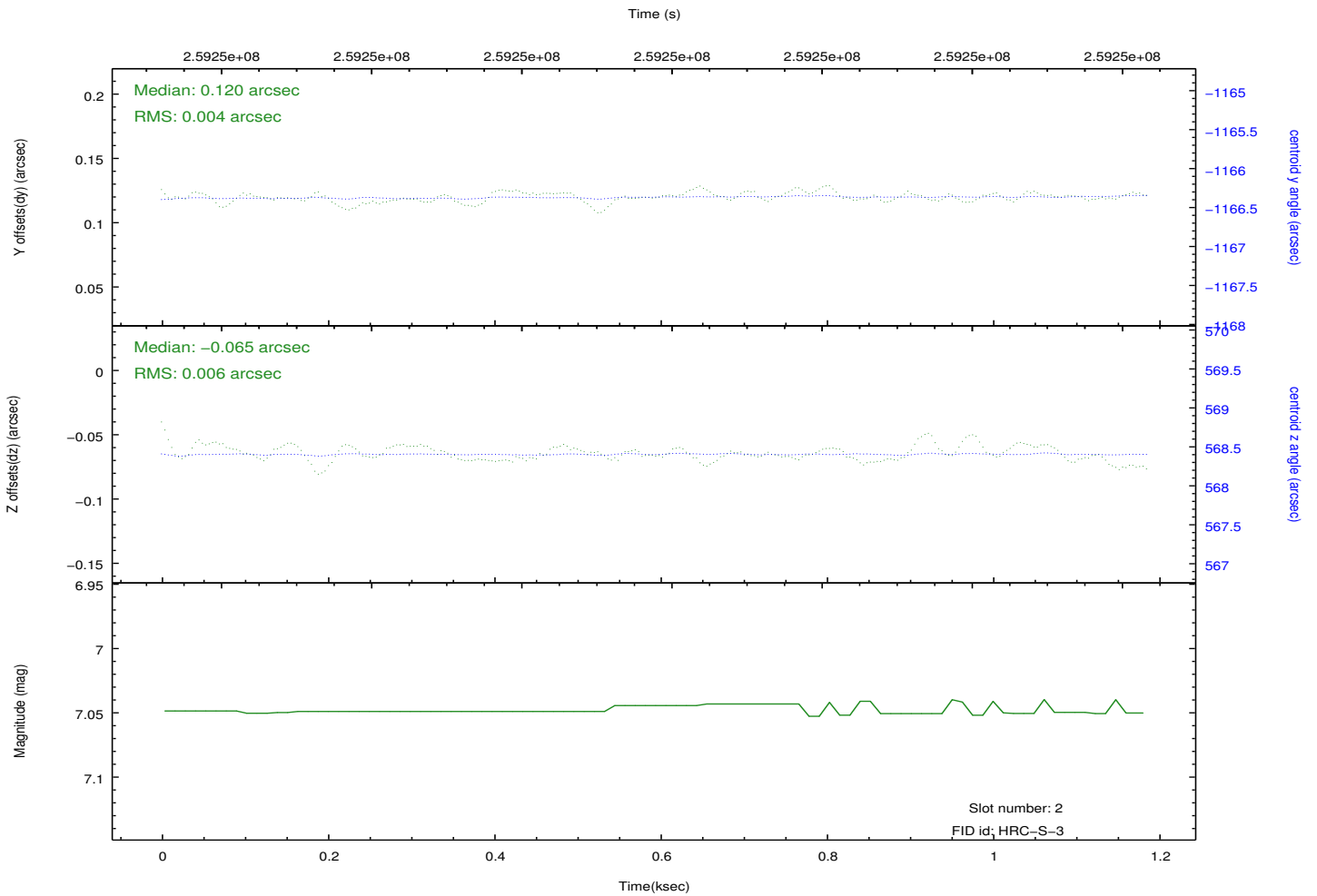
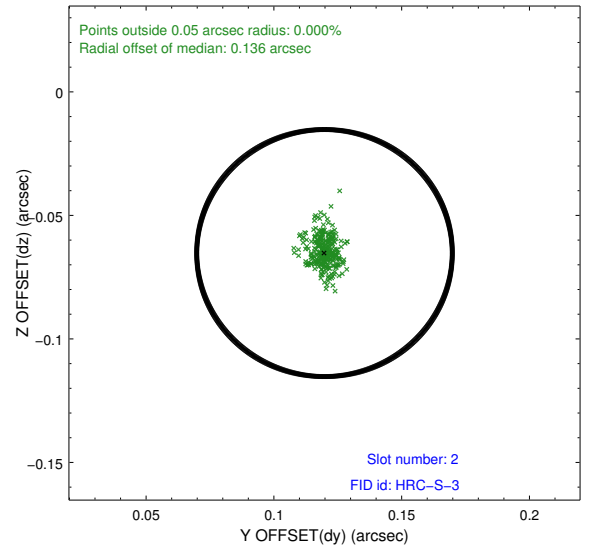
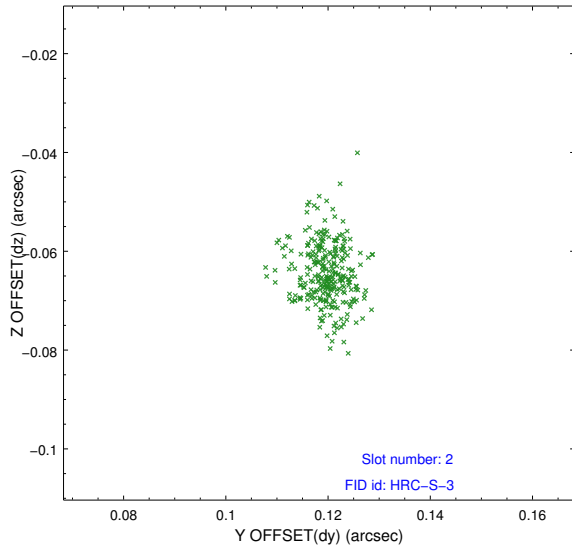
### 2.5.1 Slot 0



## 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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.15620005

## A.2 Comments