

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3713 - L2 Version 4
Chandra X-Ray Center

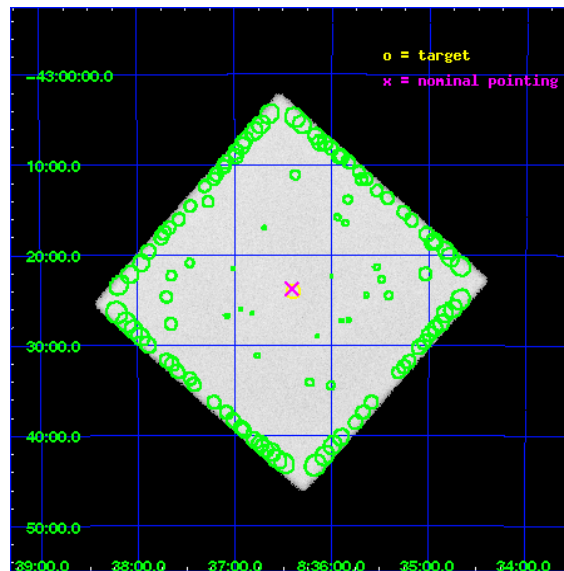
L2 Processing Date : Aug 9 2009

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1 Front

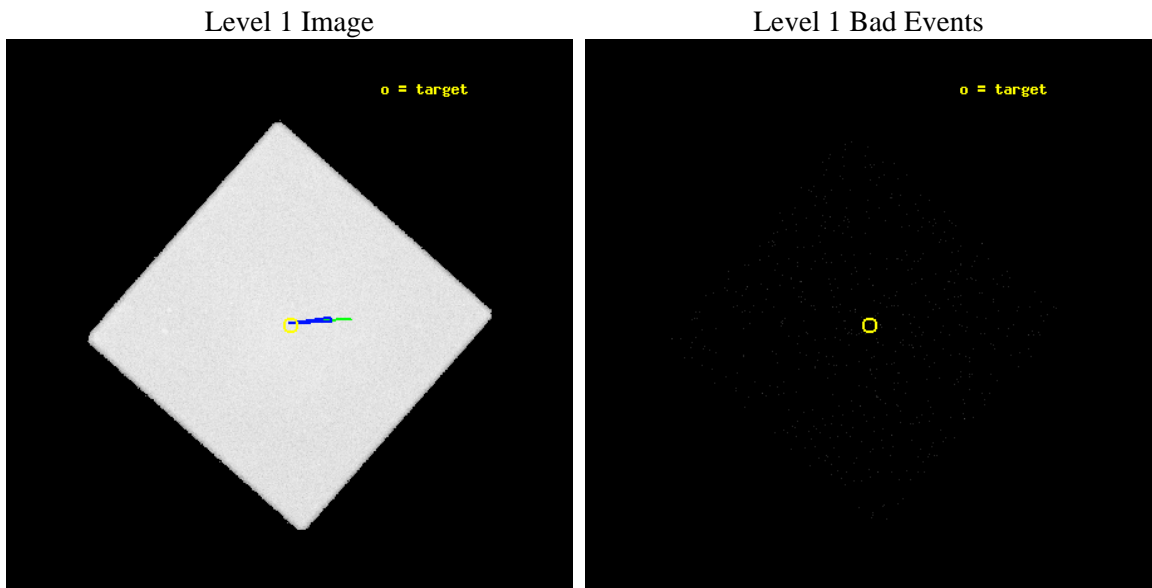
seq_num	290246	Sequence number
obs_id	3713	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE	Prop
observer	Dr. CXC Calibration	Principal investigator
object	VELA REMNANT	Source name
ra_targ	129.1	Observer's specified target RA
dec_targ	-43.4	Observer's specified target Dec
ra_nom	129.10250485198	Nominal RA
dec_nom	-43.396267372472	Nominal Dec
roll_nom	86.542538342527	Nominal Roll
revision	4	Processing version of data
ontime	12845.300552905	[s]
livetime	12625.991999014	Ontime multiplied by DTCOR
l2events	1160444	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	Scheduled observation exposure time
ascdsver	8.0	Processing system revision	ontime	12845.300552905	[s]
caldbver	4.1.3	 	ll events	1538025	Number of level 1 events
date	2009-08-09T06:58:44	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

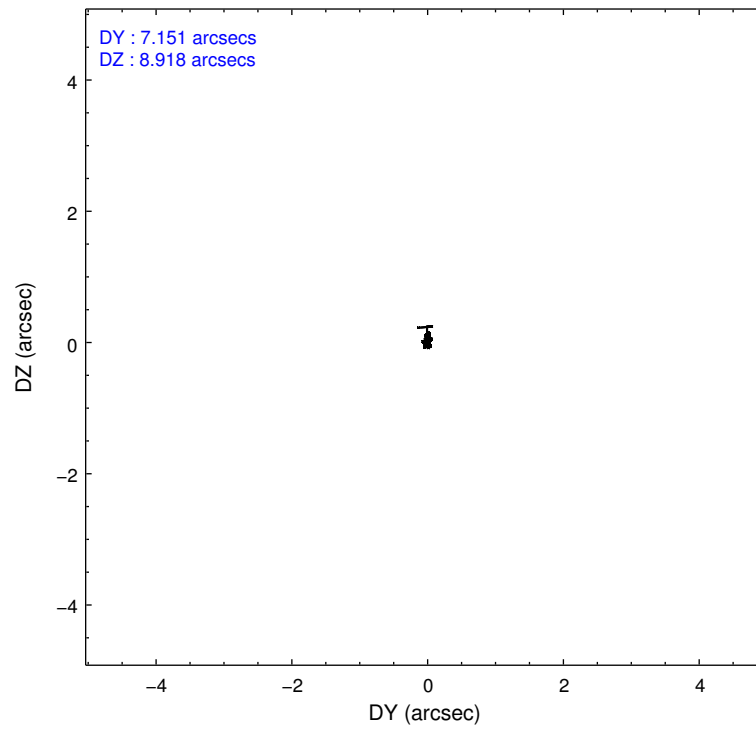
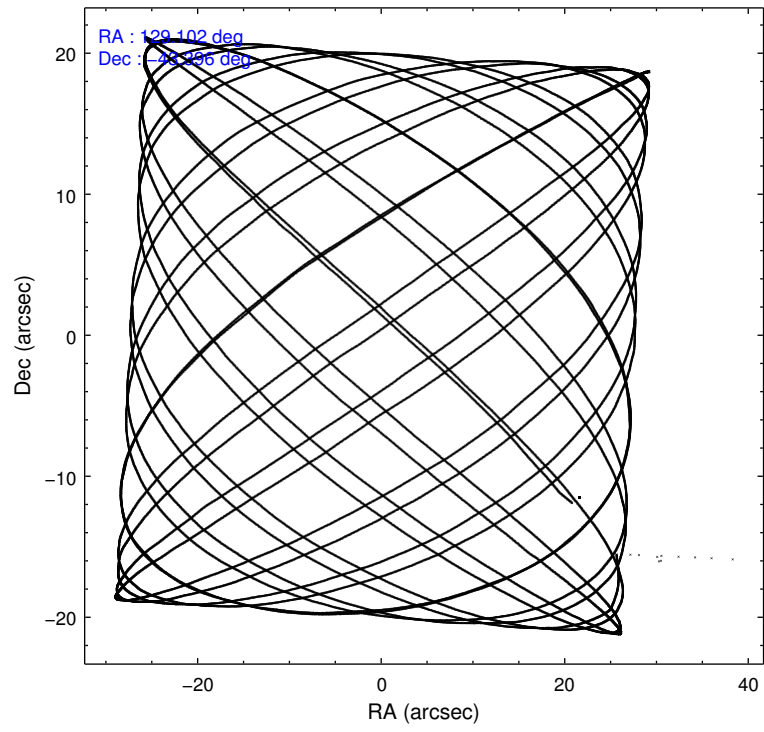
	segment 0
level 1 events	1538025
rejected events	8278
rejected %	0%

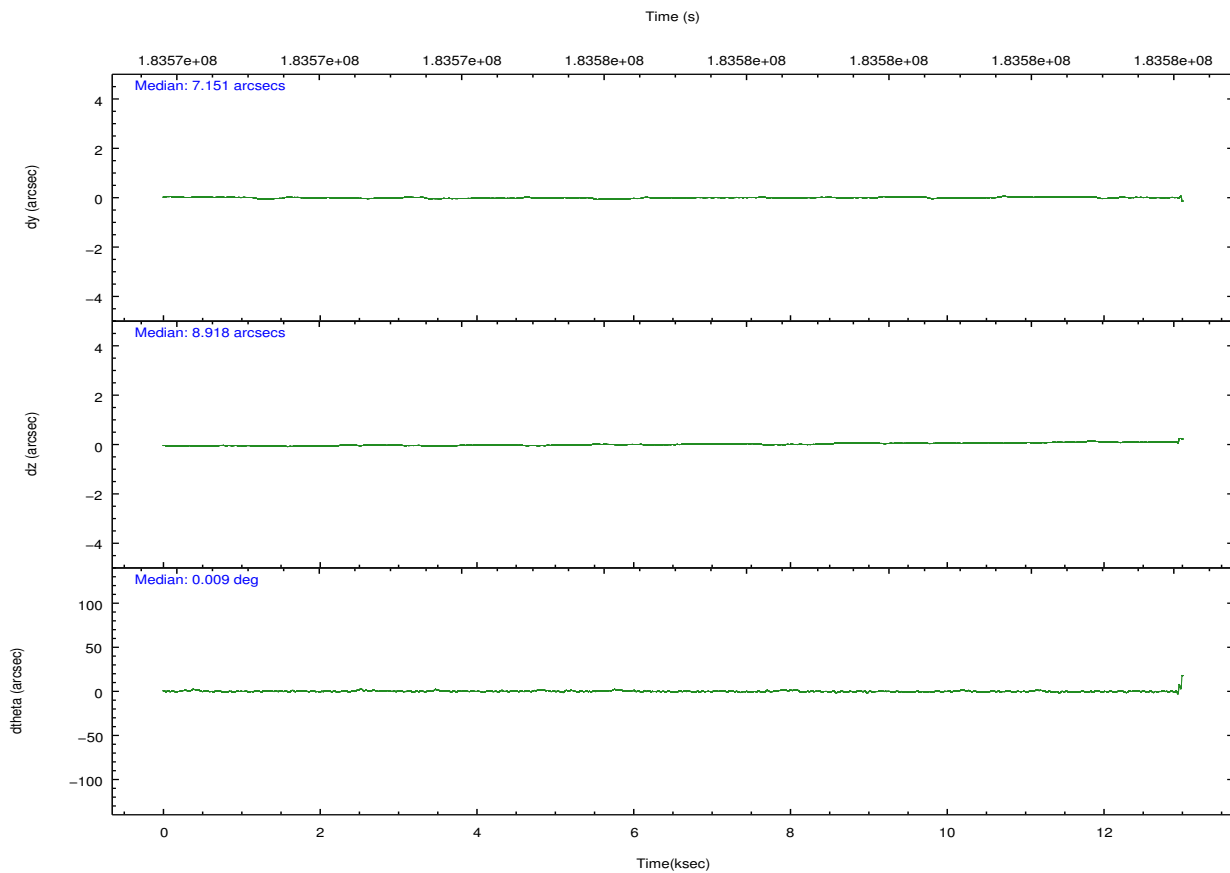
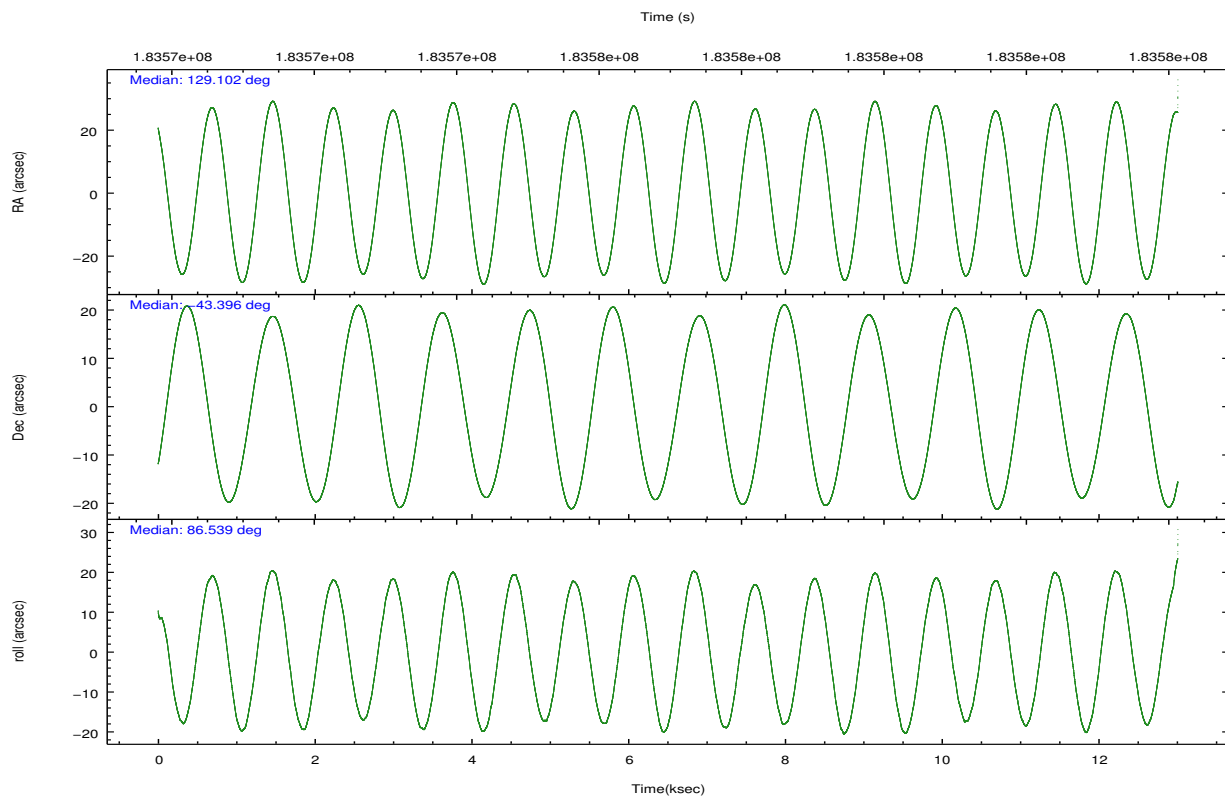
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	129.119974	129.1025048519759
Pointing Dec	-43.420222	-43.39626737247232
Pointing Roll	86.650029	86.54253834252656
Roll angle	85.340000	85.340000
Roll tolerance	2.000000	2.000000
Roll constraint allows 180D rotation	N	N
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	183570599.184000	183569799.9244
Observation start date	2003-10-26T15:48:55	2003-10-26T15:36:39
Observation end time	183590599.184000	183583488.79999
Observation end date	2003-10-26T21:22:15	2003-10-26T19:24:48

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



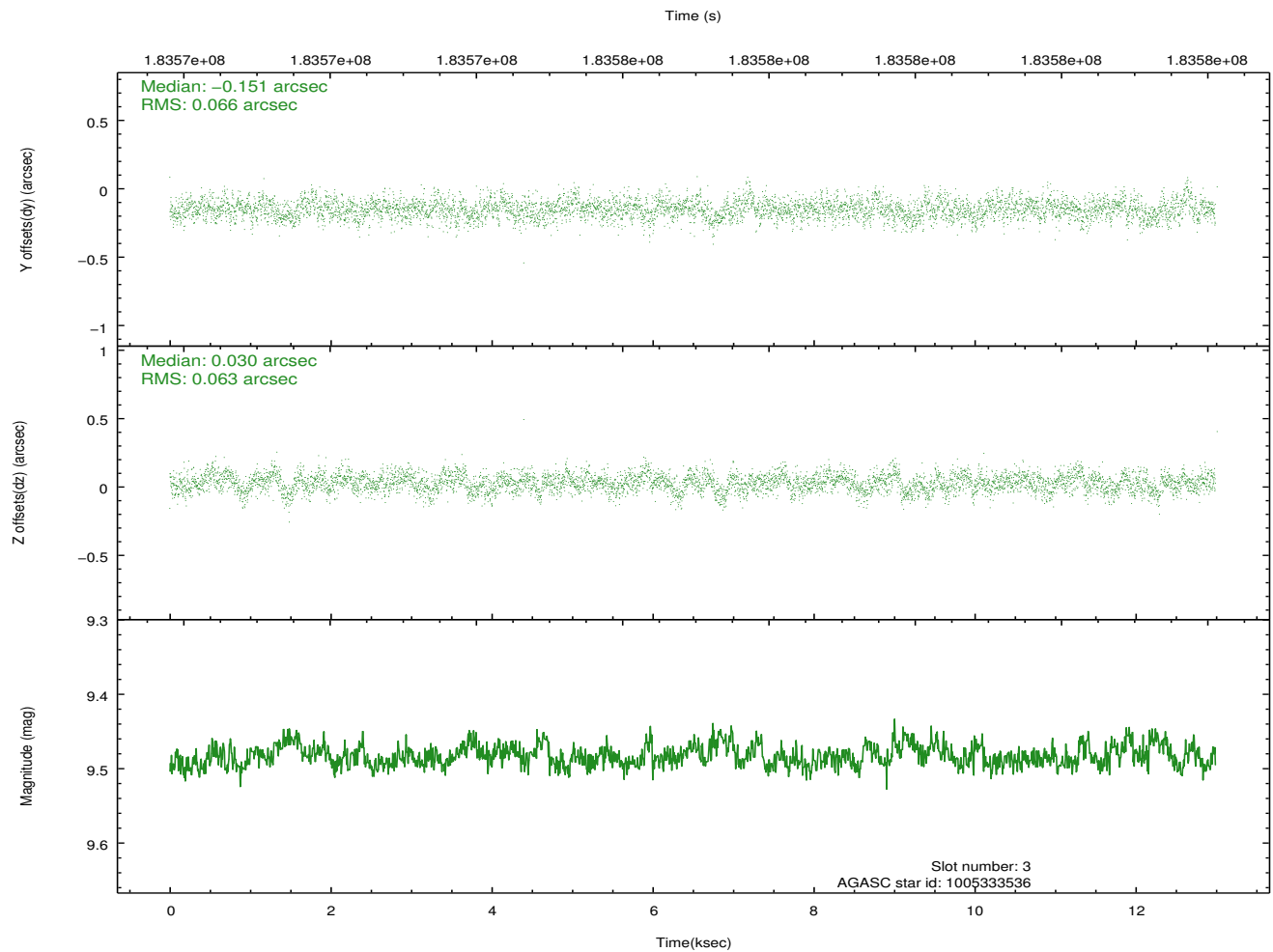
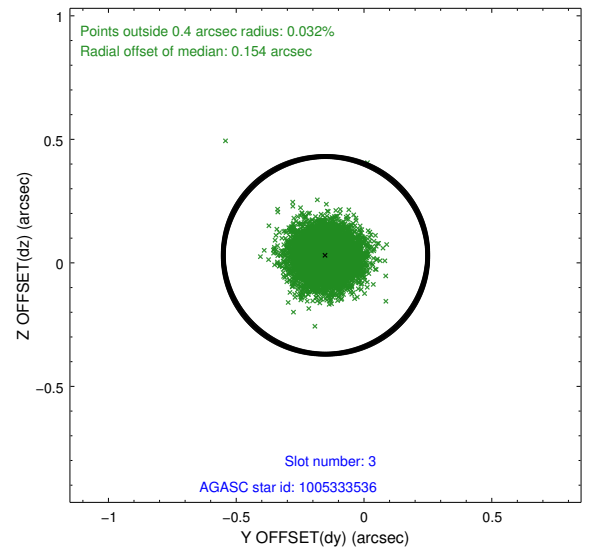
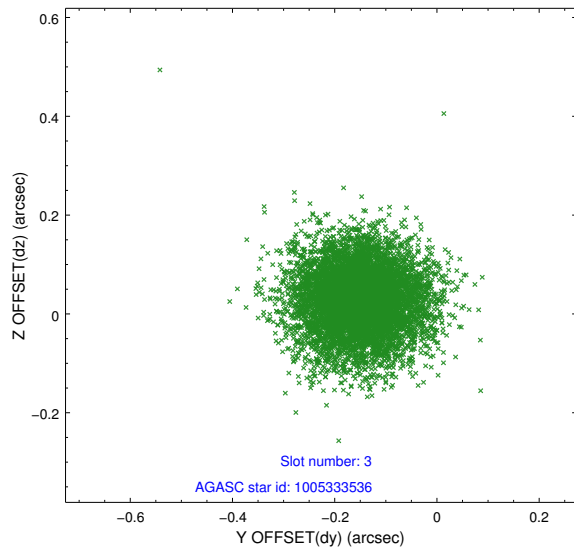


Slot Statistics

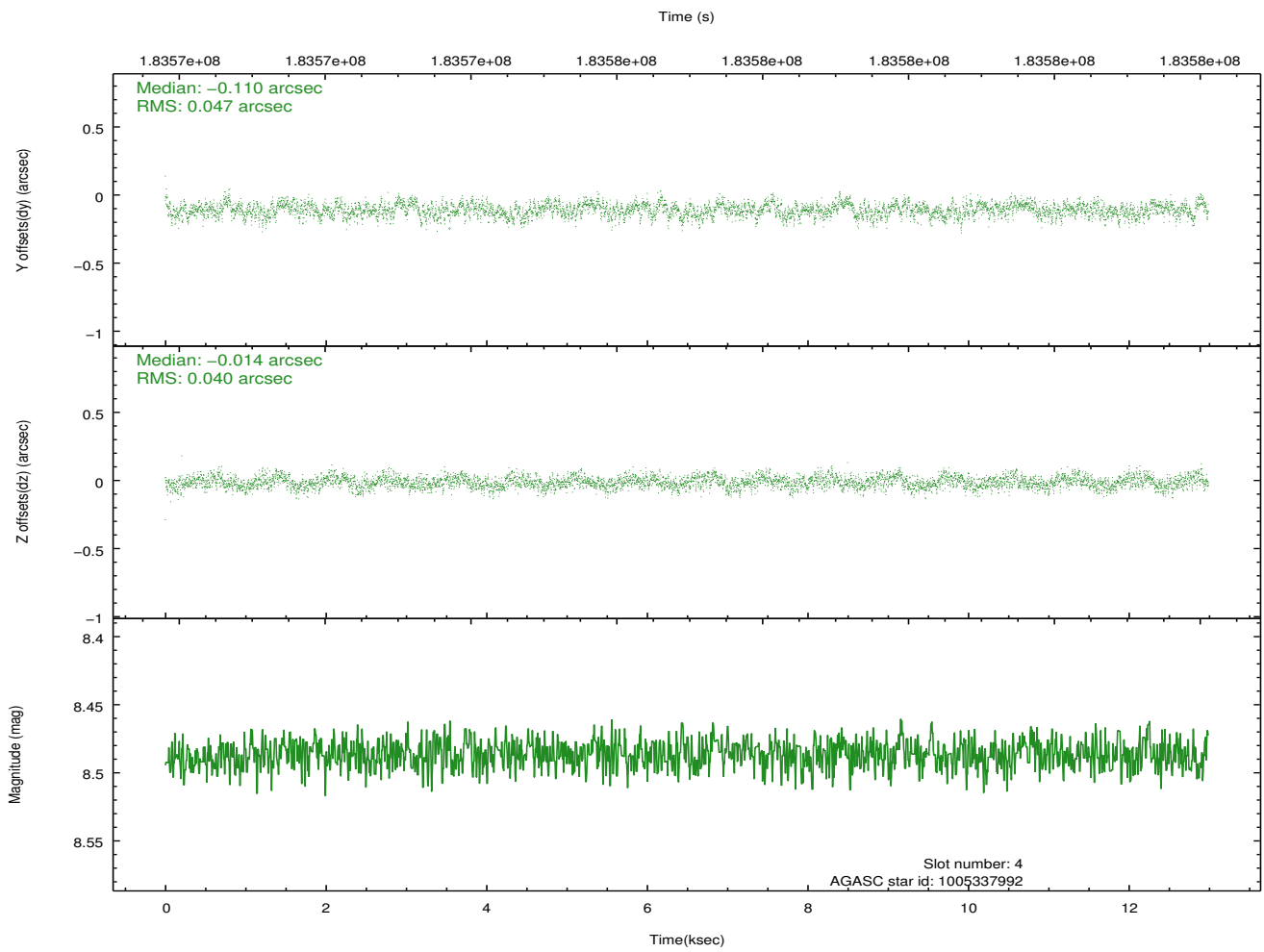
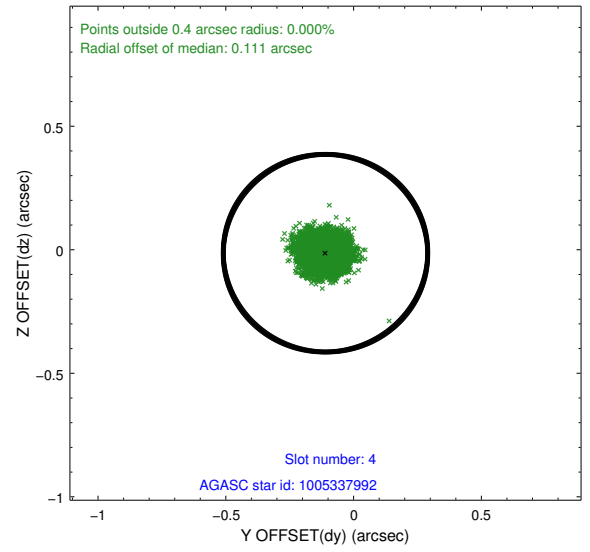
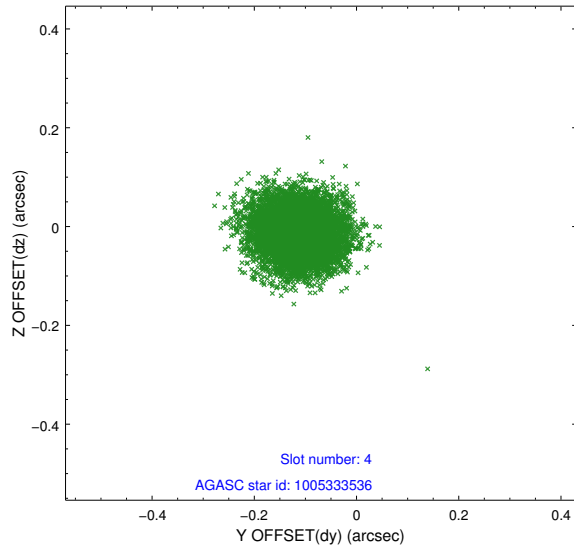
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	3162	0.063	-0.058	0.007	0.012	0.000000	0.000000	849.94	-1298.47
1	FID	HRC-I-3	7.06	3171	-0.037	-0.002	0.007	0.015	0.000000	0.000000	-1190.98	1007.34
2	FID	HRC-I-4	7.01	3171	0.093	-0.026	0.007	0.015	0.000000	0.000000	1279.79	1005.61
3	GUIDE	1005333536	9.48	6336	-0.151	0.030	0.098	0.159	128.886420	-42.801856	2185.27	746.04
4	GUIDE	1005337992	8.49	6337	-0.110	-0.014	0.066	0.105	128.344661	-42.851803	1913.90	2161.87
5	GUIDE	1005848792	8.25	6338	0.005	0.168	0.073	0.115	129.279861	-43.533078	-381.18	-439.88
6	GUIDE	1005862096	7.04	6337	0.184	-0.146	0.062	0.097	128.290617	-43.683863	-1084.49	2098.92
7	GUIDE	1005869776	9.15	6335	0.066	-0.038	0.098	0.155	128.321731	-43.737414	-1271.56	2005.47

2.4 Star Slots

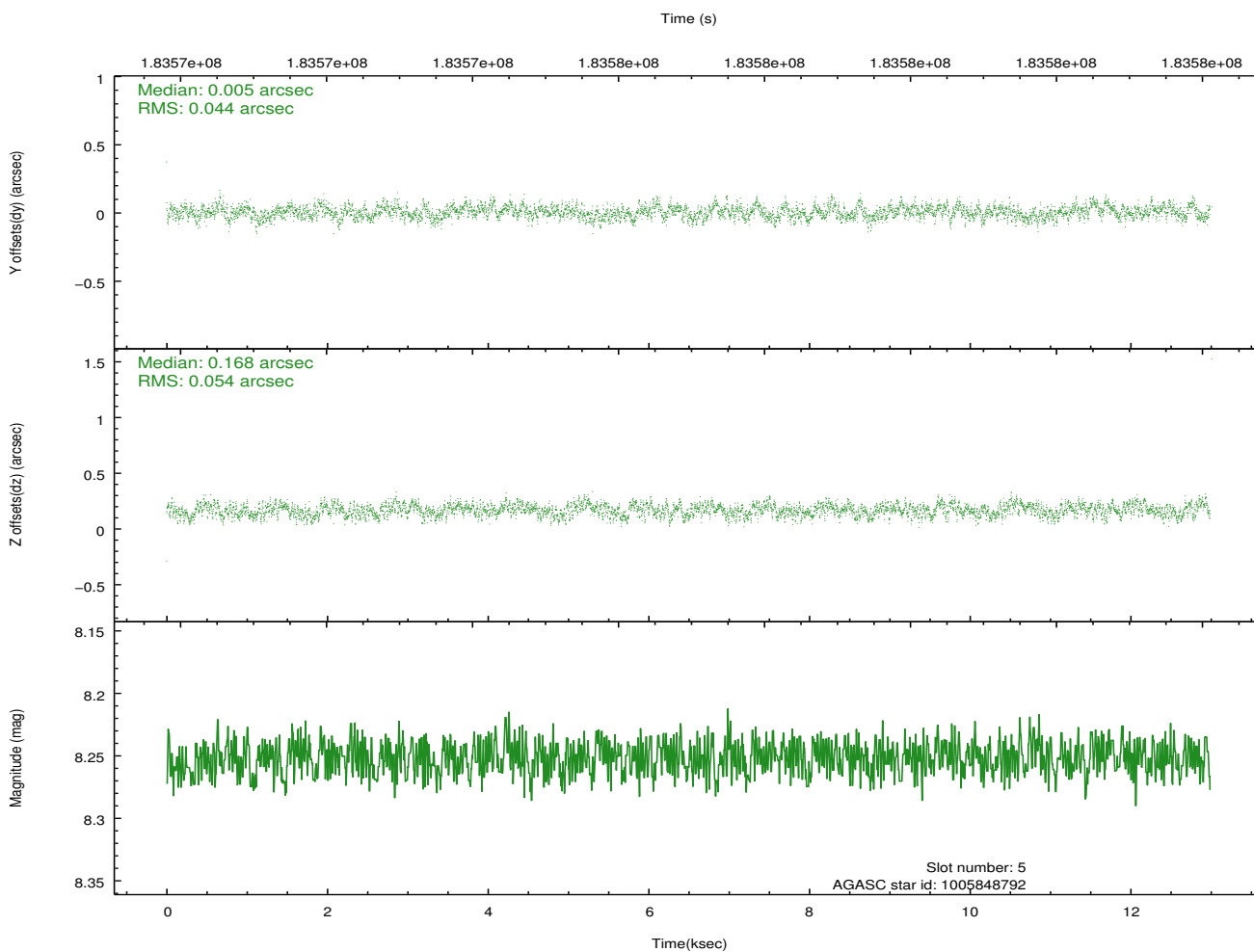
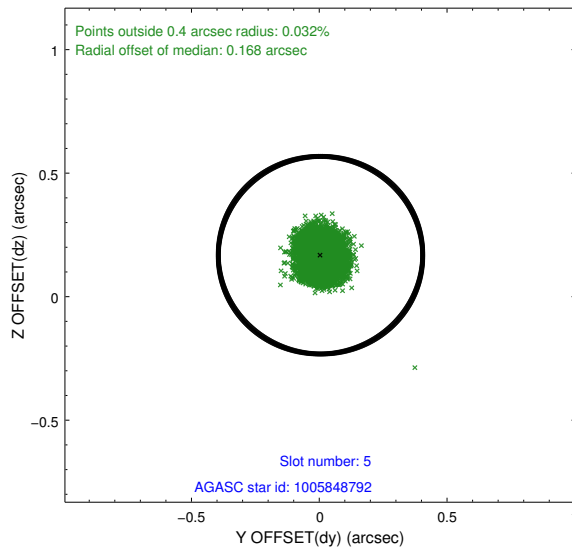
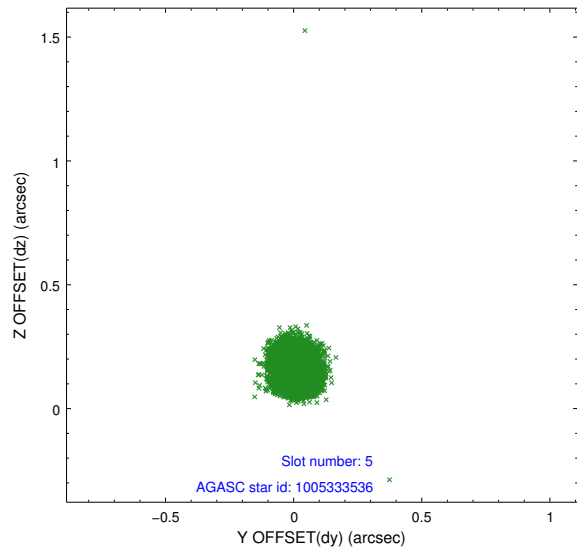
2.4.1 Slot 3



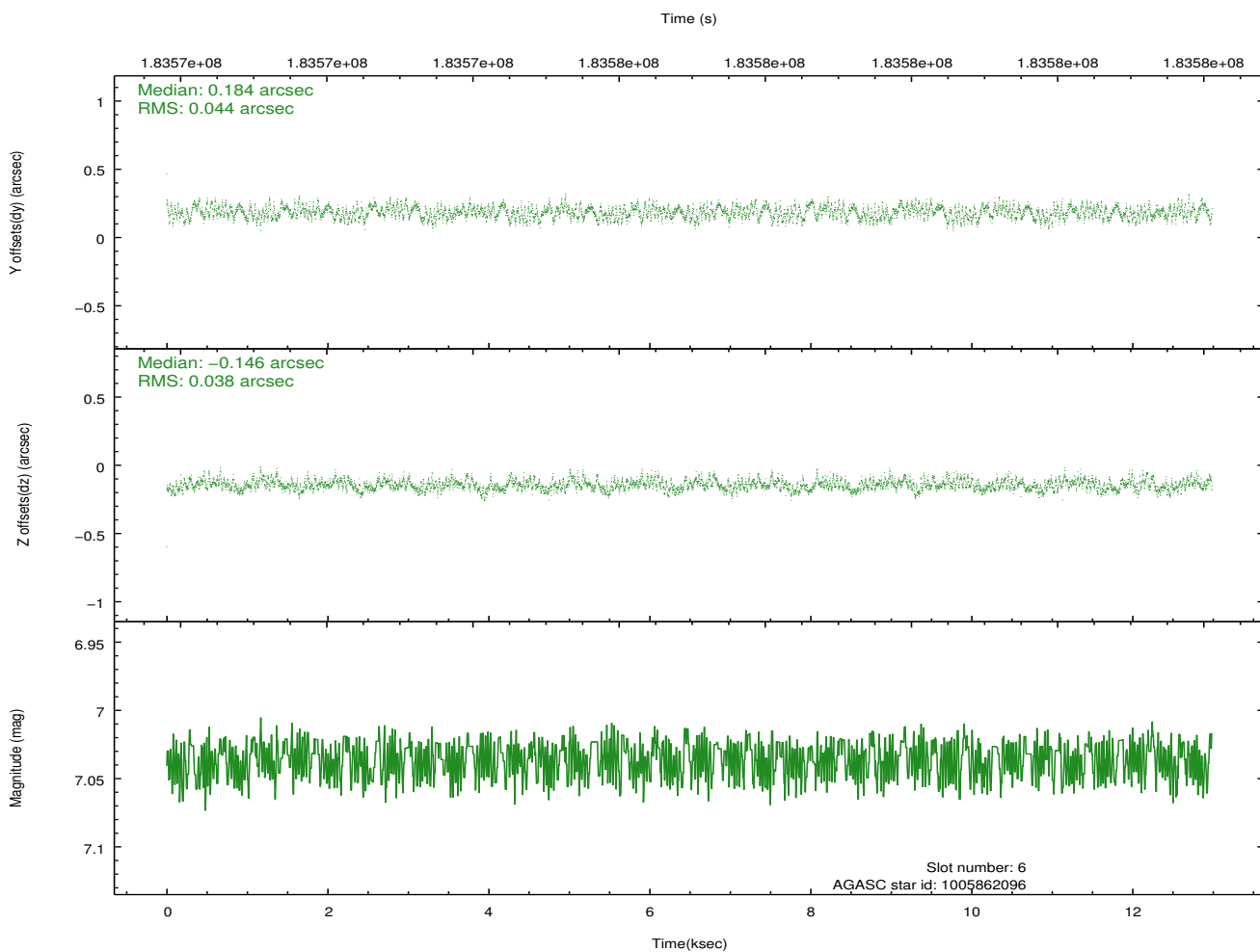
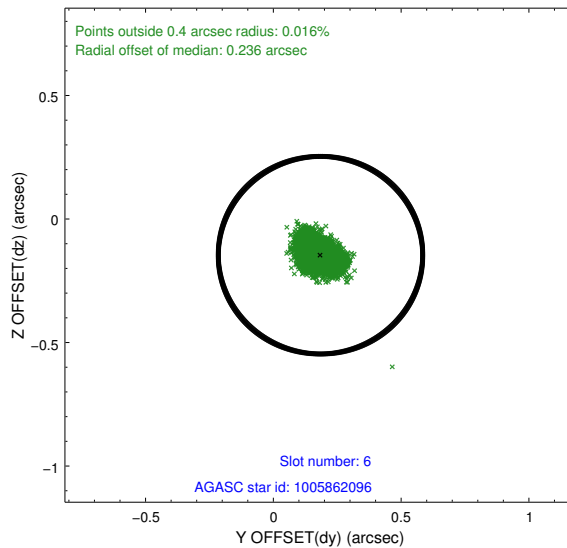
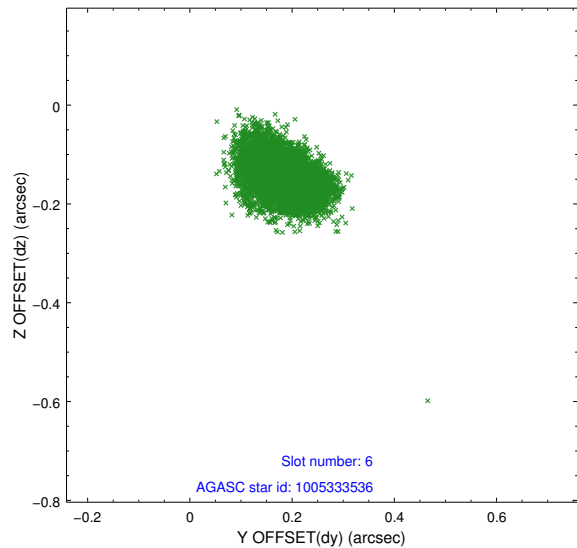
2.4.2 Slot 4



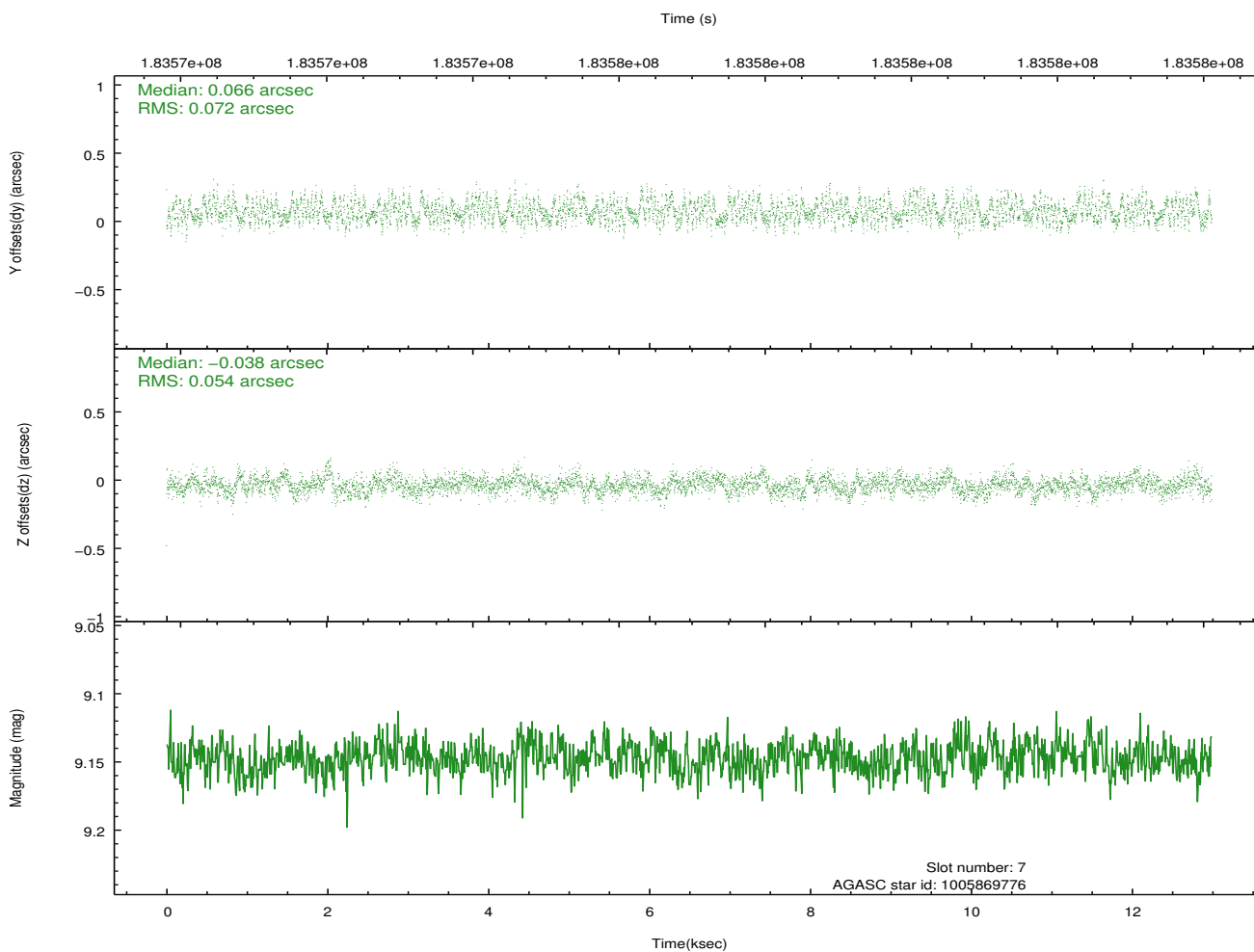
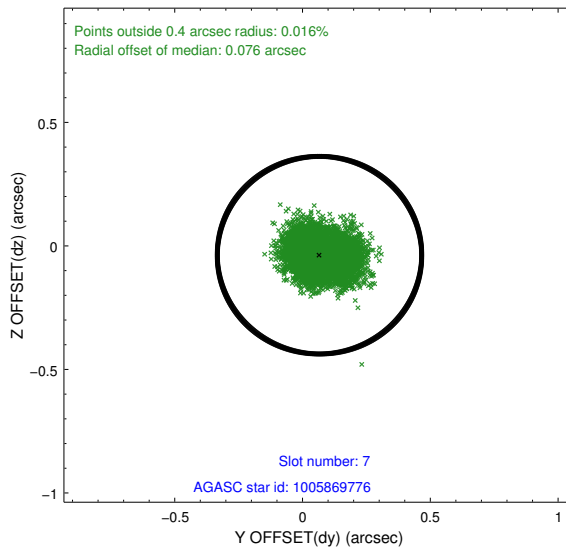
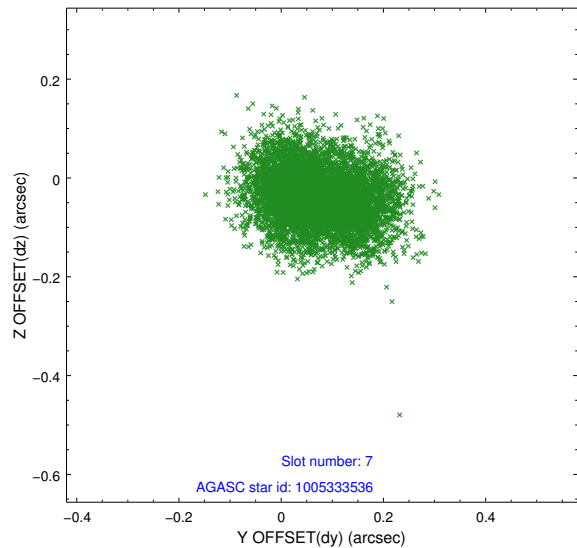
2.4.3 Slot 5



2.4.4 Slot 6

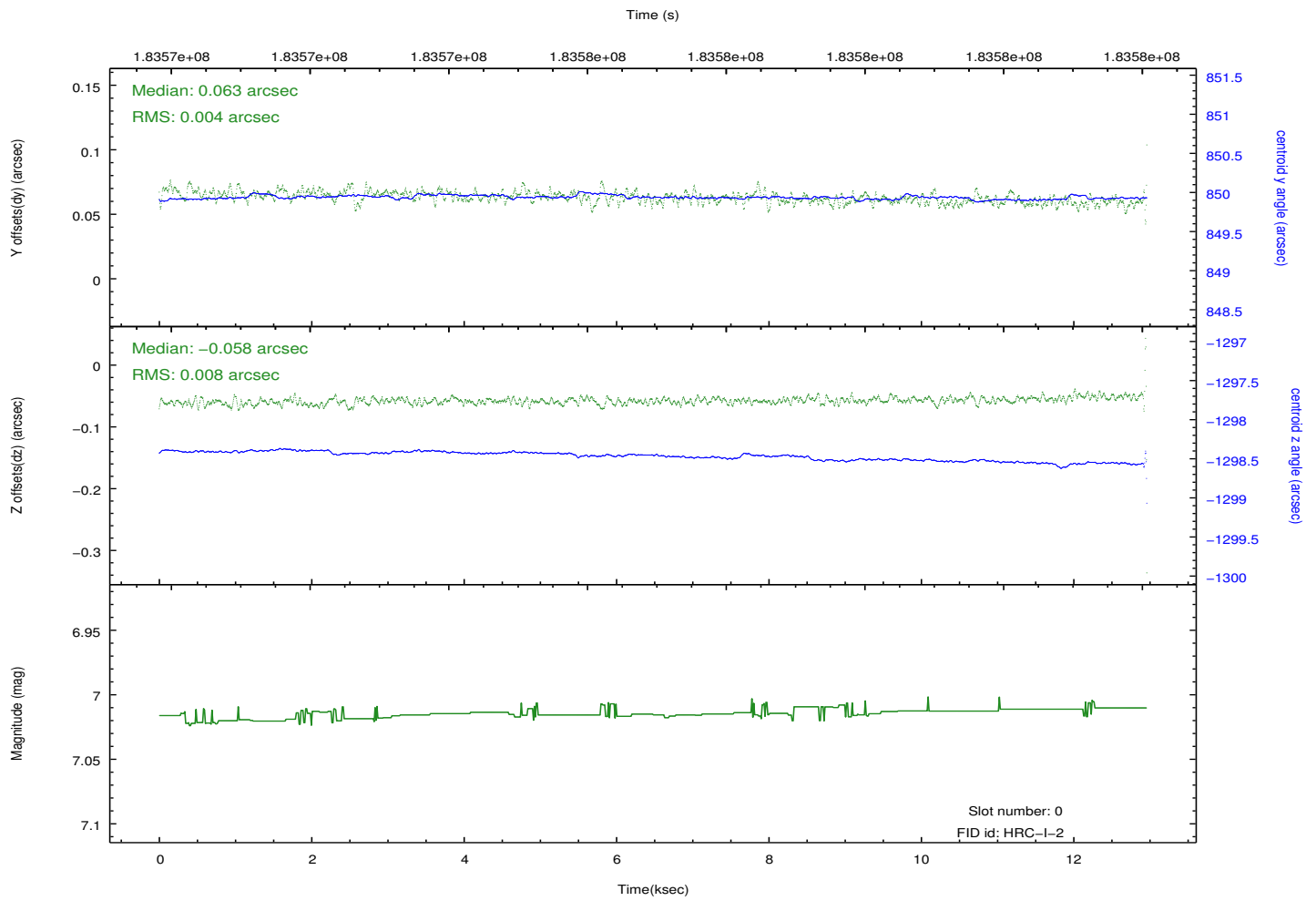
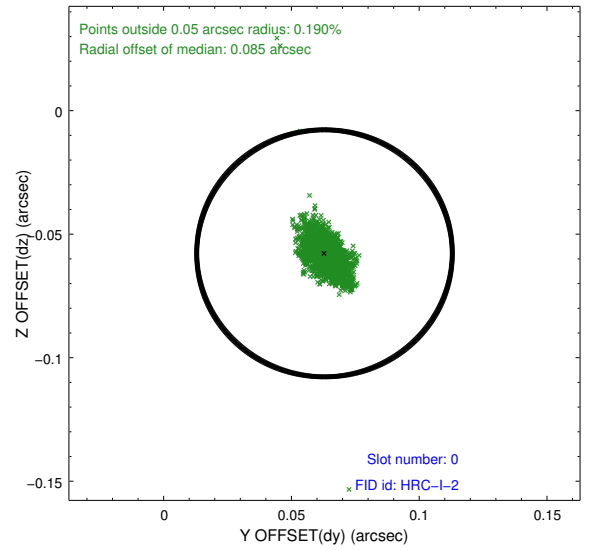
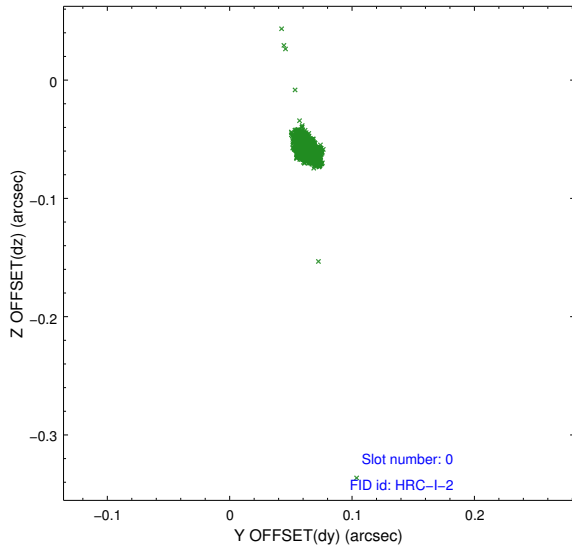


2.4.5 Slot 7

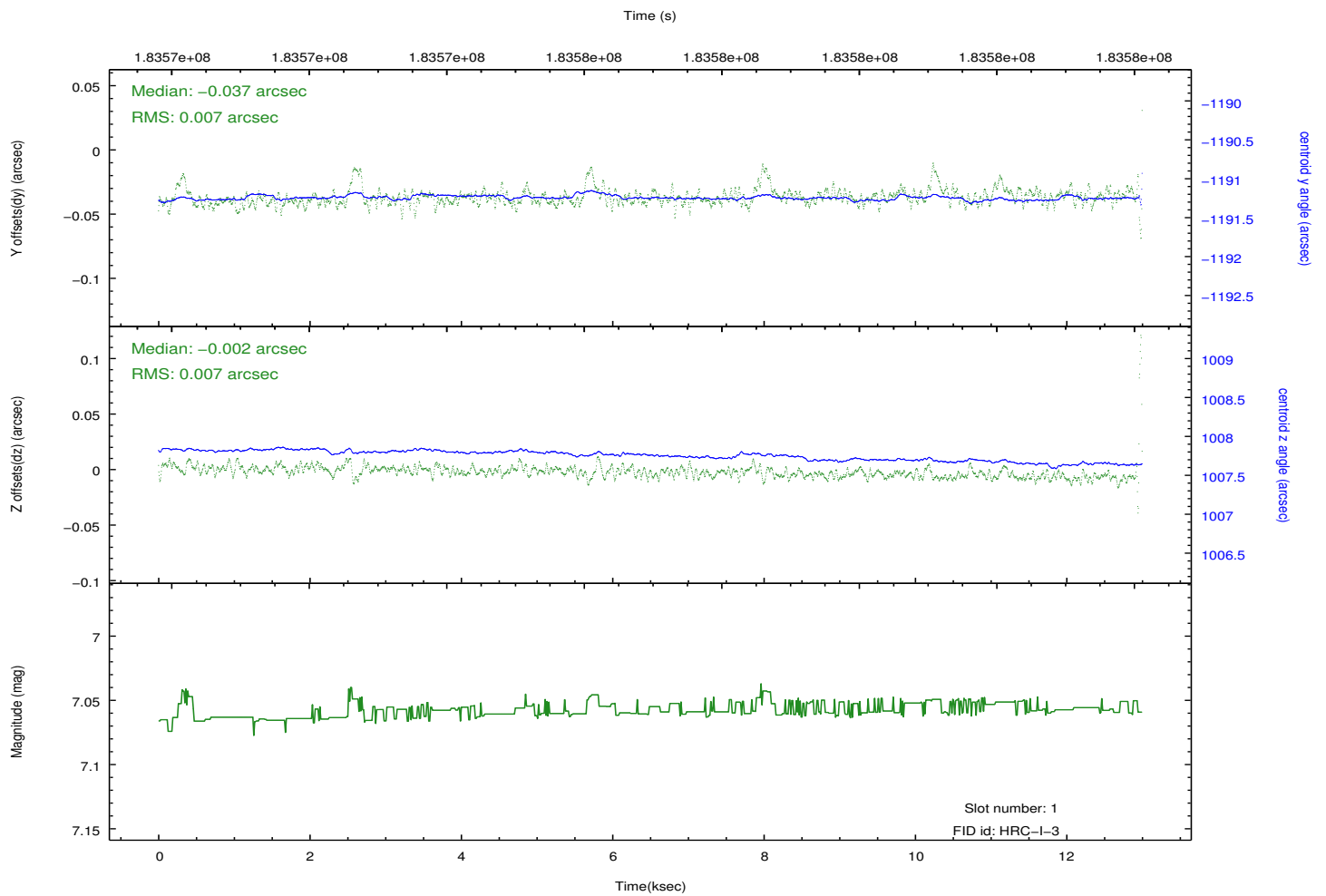
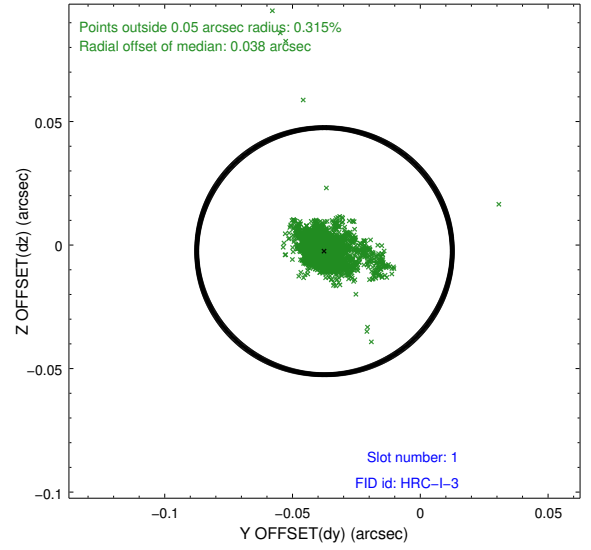
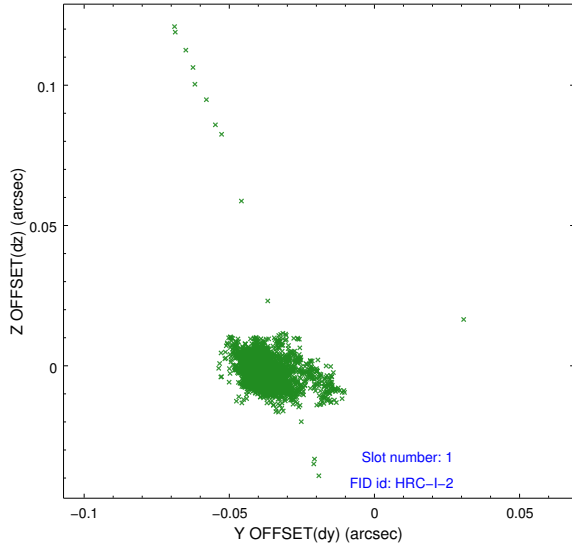


2.5 FID Slots

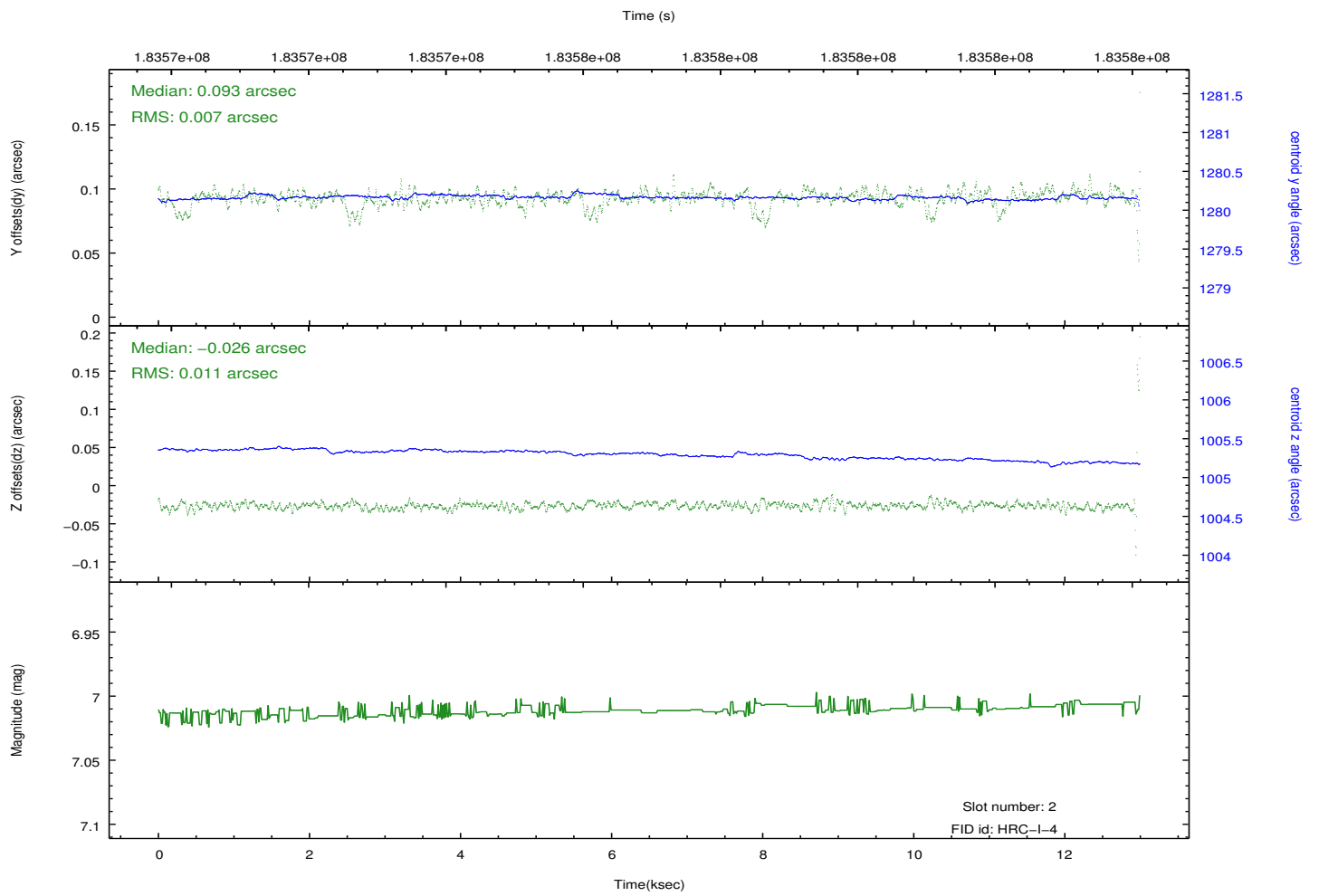
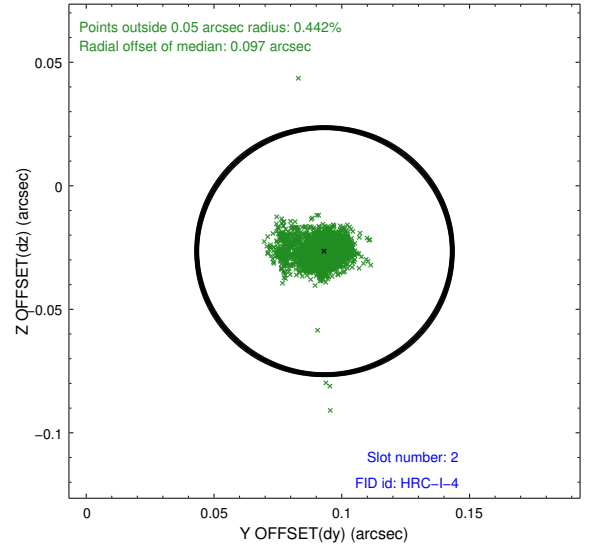
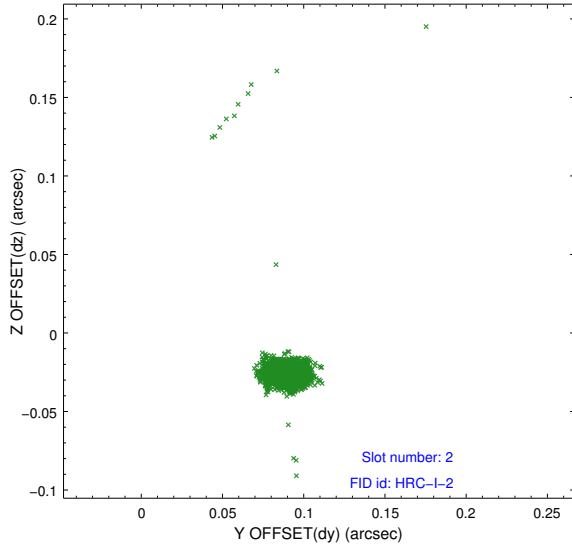
2.5.1 Slot 0



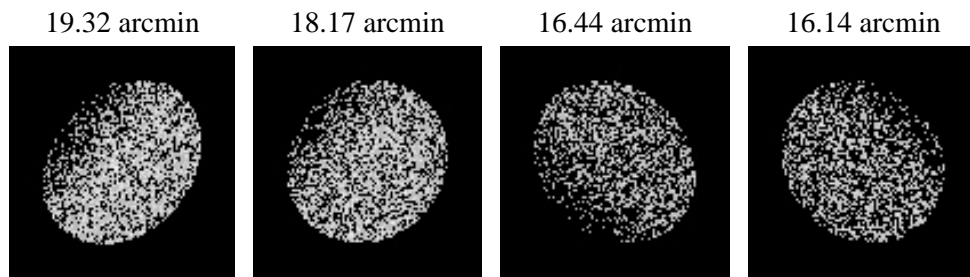
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2009.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.845

A.2 Comments

This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 299:19:22:30.

Roll constraint satisfied.