

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15734 - L2 Version 1
Chandra X-Ray Center

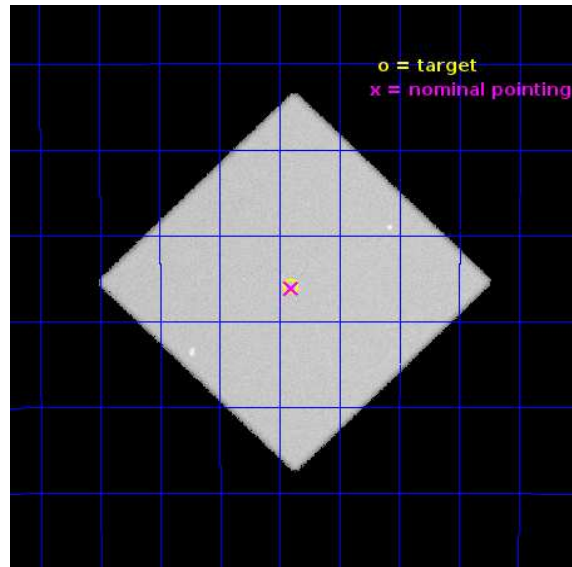
L2 Processing Date : Aug 31 2014

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1 Front

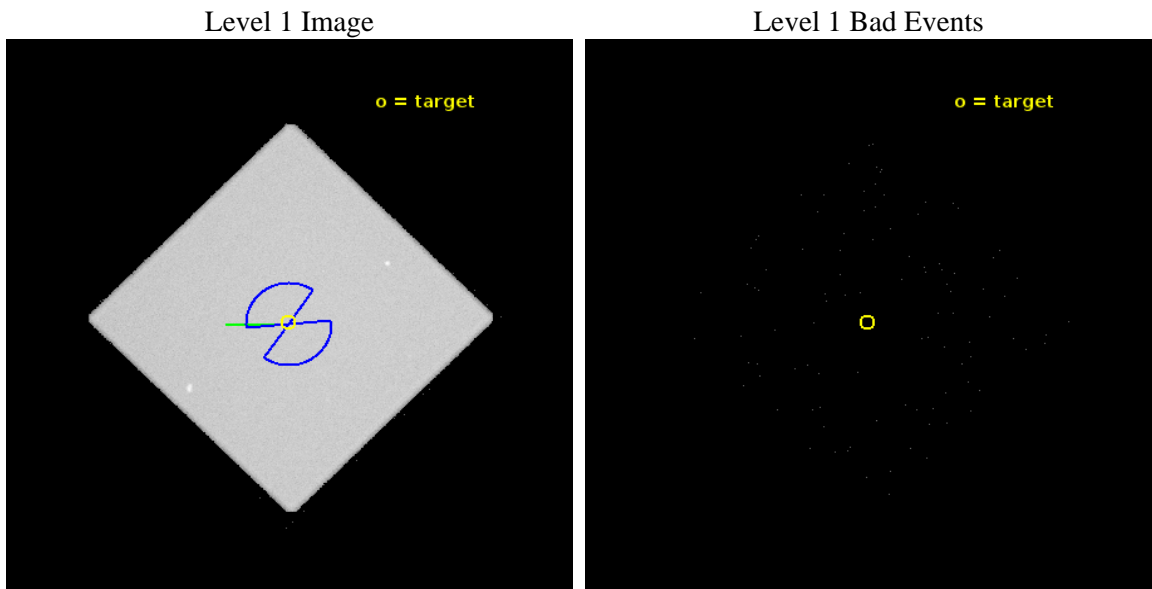
seq_num	200947	Sequence number
obs_id	15734	Observation id
title	X-Raying the Scorpion's Heart	Proposal title
observer	Dr. Vinay Kashyap	Principal investigator
object	Antares	Source name
ra_targ	247.352083	Observer's specified target RA [deg]
dec_targ	-26.432	Observer's specified target Dec [deg]
ra_nom	247.35040250719	Nominal RA [deg]
dec_nom	-26.435994566759	Nominal Dec [deg]
roll_nom	269.90376296313	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24182.826340377	[s]
livetime	23981.786431815	Ontime multiplied by DTCOR
l2events	1580365	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	24000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	24182.826340377	[s]
caldbver	4.6.2	 	l1events	2157467	Number of level 1 events
date	2014-08-31T11:15:28	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

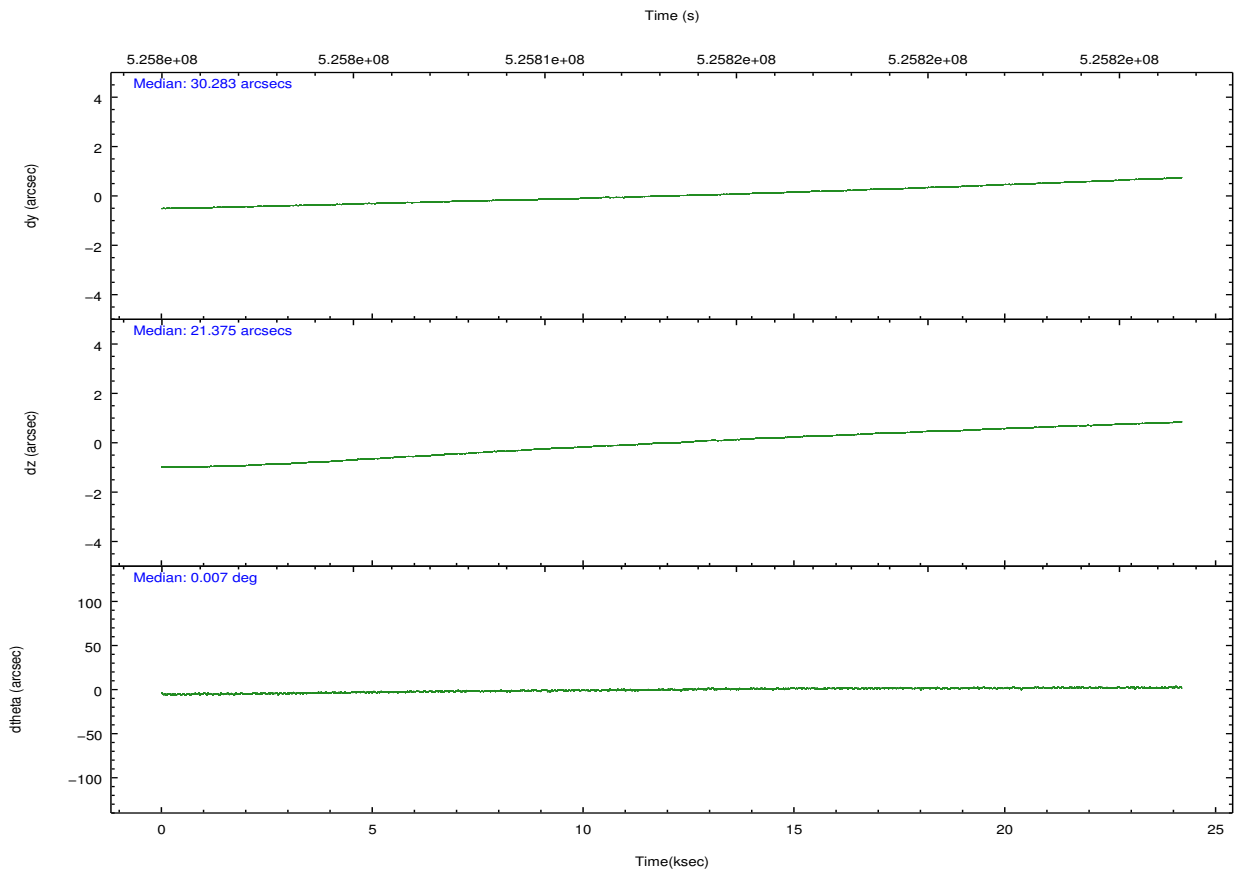
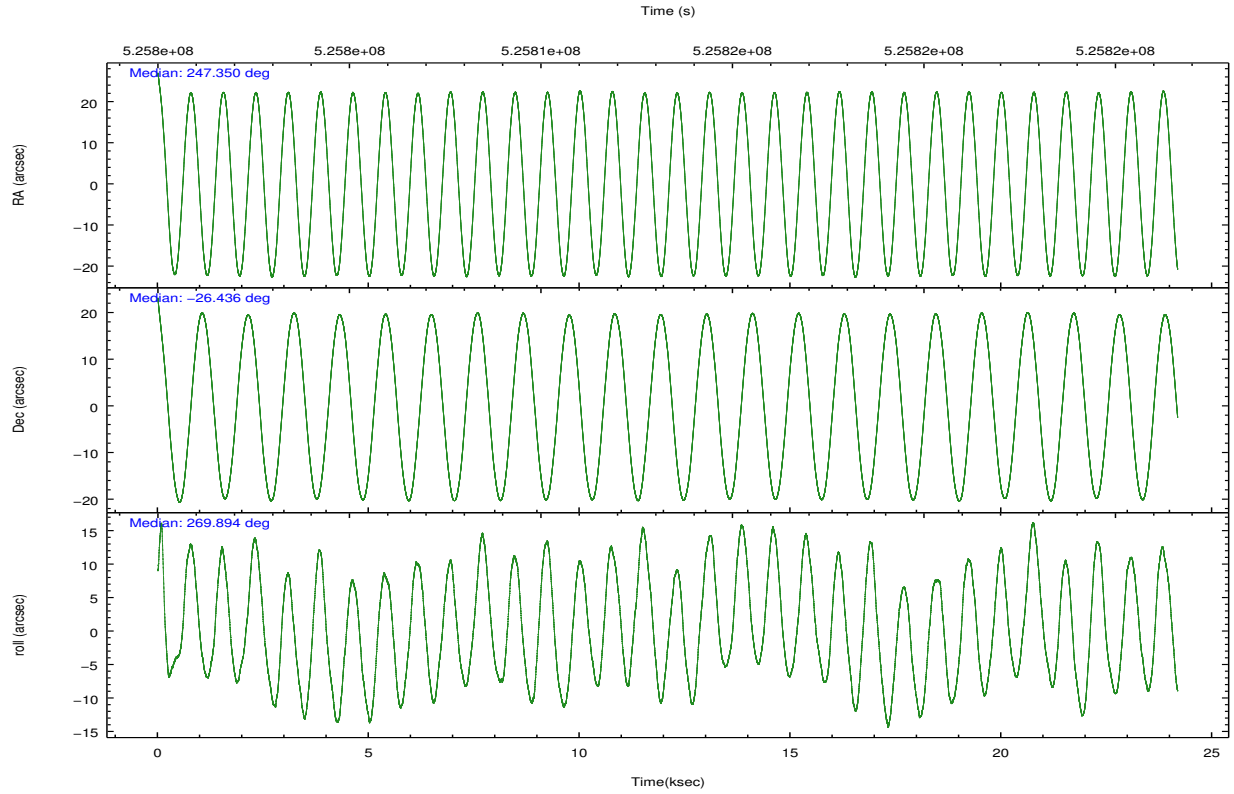
Level 1 Events

	segment 0
level 1 events	2157467
rejected events	38862
rejected %	1%

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	247.334588	247.3504025071923			
[deg] Pointing Dec	-26.412674	-26.43599456675897			
[deg] Pointing Roll	269.992216	269.9037629631284			
[deg] Roll angle	150.000000	150.000000			
[deg] Roll tolerance	65.000000	65.000000			
Roll constraint allows 180D rotation	Y	Y			
[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)	525801412.184000	525800744.94666			
Observation start date	2014-08-30T15:55:45	2014-08-30T15:45:44			
[s] Observation end time (MET)	525825412.184000	525826153.67307			
Observation end date	2014-08-30T22:35:45	2014-08-30T22:49:13			

2.3 Aspect

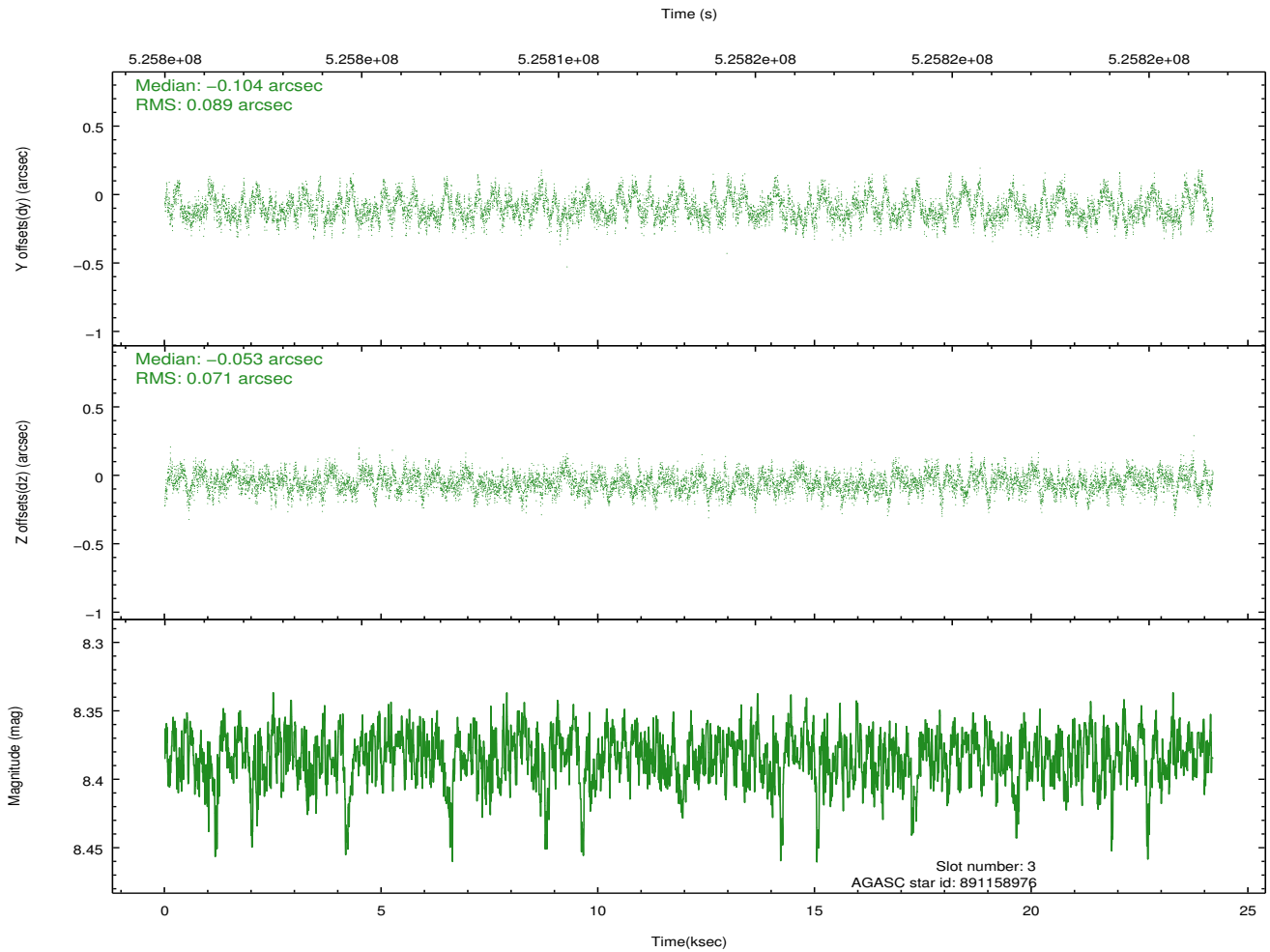
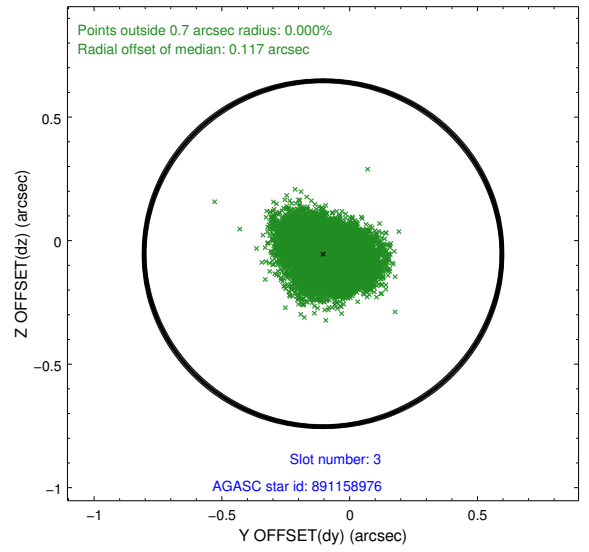
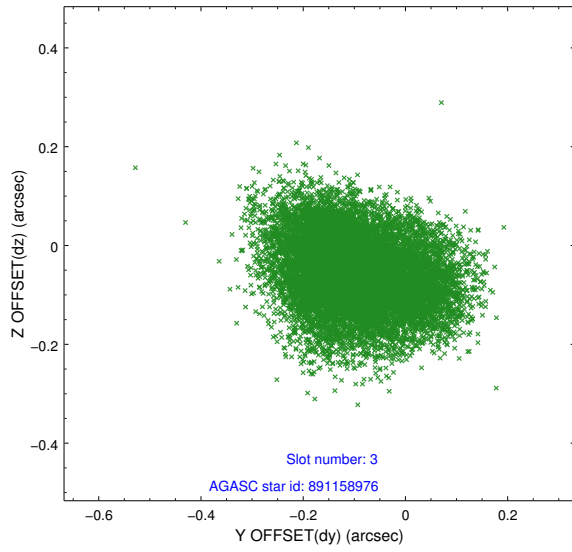


Slot Statistics

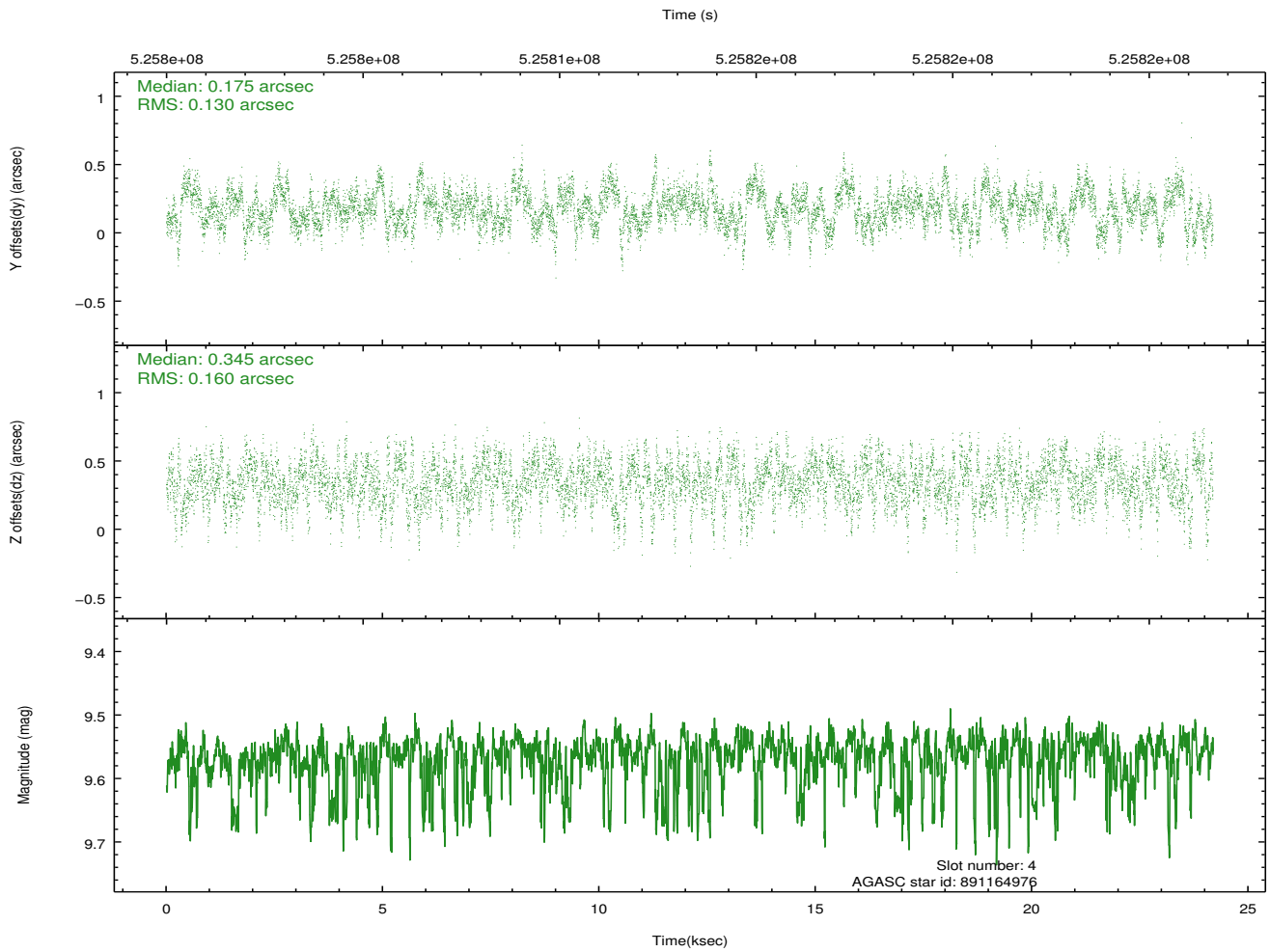
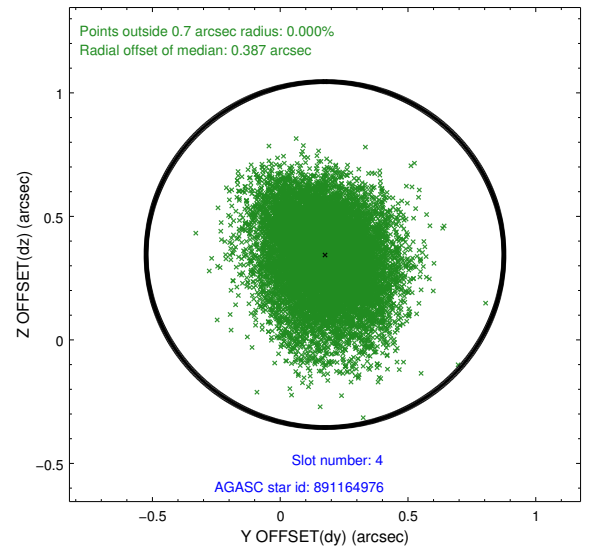
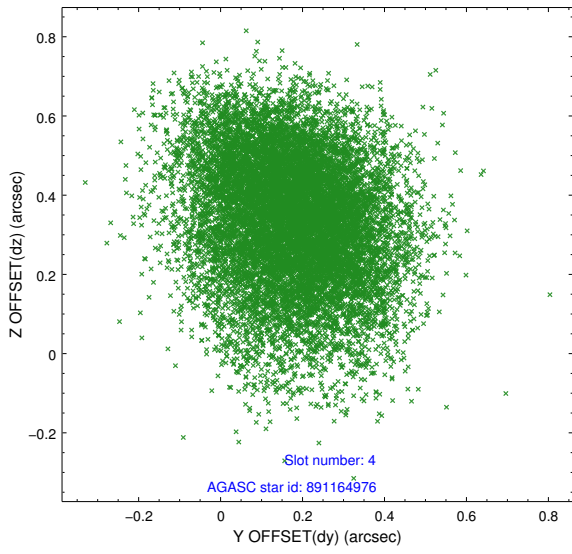
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	5898	-0.121	0.034	0.018	0.036	0.000000	0.000000	-786.64	-1309.59
1	FID	HRC-I-2	7.05	5899	0.247	-0.096	0.023	0.036	0.000000	0.000000	826.23	-1311.47
2	FID	HRC-I-3	7.10	5899	-0.006	-0.026	0.021	0.029	0.000000	0.000000	-1214.92	994.68
3	GUIDE	891158976	8.38	11792	-0.104	-0.053	0.123	0.196	247.974532	-26.011386	-1439.58	2069.40
4	GUIDE	891164976	9.56	11787	0.175	0.345	0.219	0.355	247.216685	-26.198719	-768.89	-380.64
5	GUIDE	891686576	8.41	11792	-0.006	0.019	0.111	0.179	247.102242	-26.475465	227.26	-748.65
6	GUIDE	891691344	9.72	11783	-0.060	-0.344	0.229	0.379	247.957479	-26.612726	725.03	2004.82
7	GUIDE	891694800	8.68	11793	-0.010	0.031	0.132	0.210	247.146436	-26.681858	970.34	-604.58

2.4 Star Slots

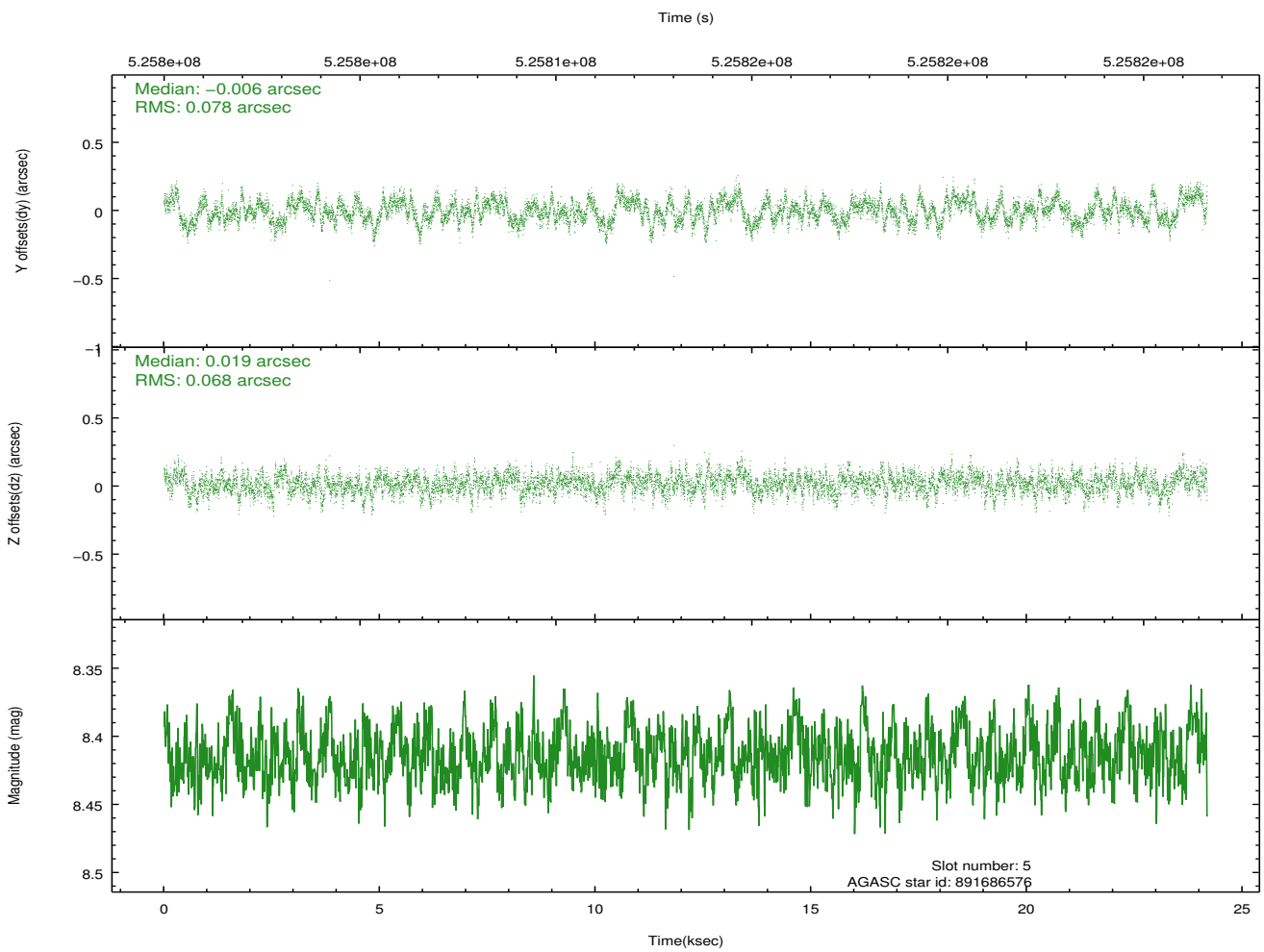
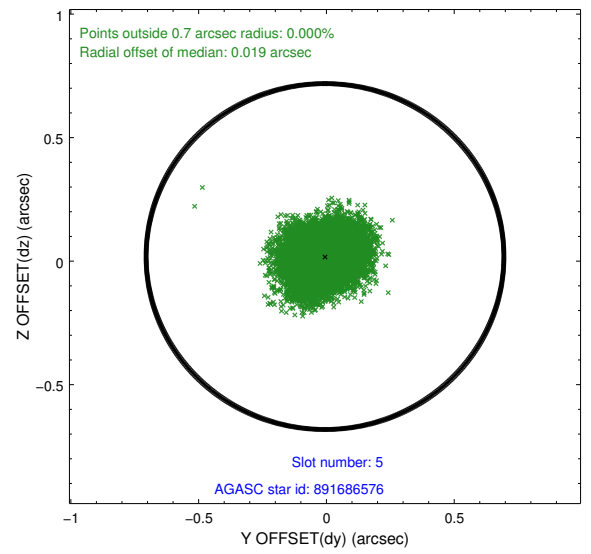
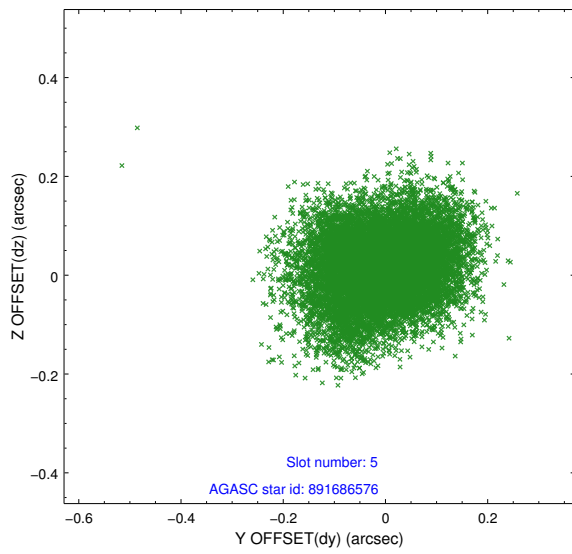
2.4.1 Slot 3



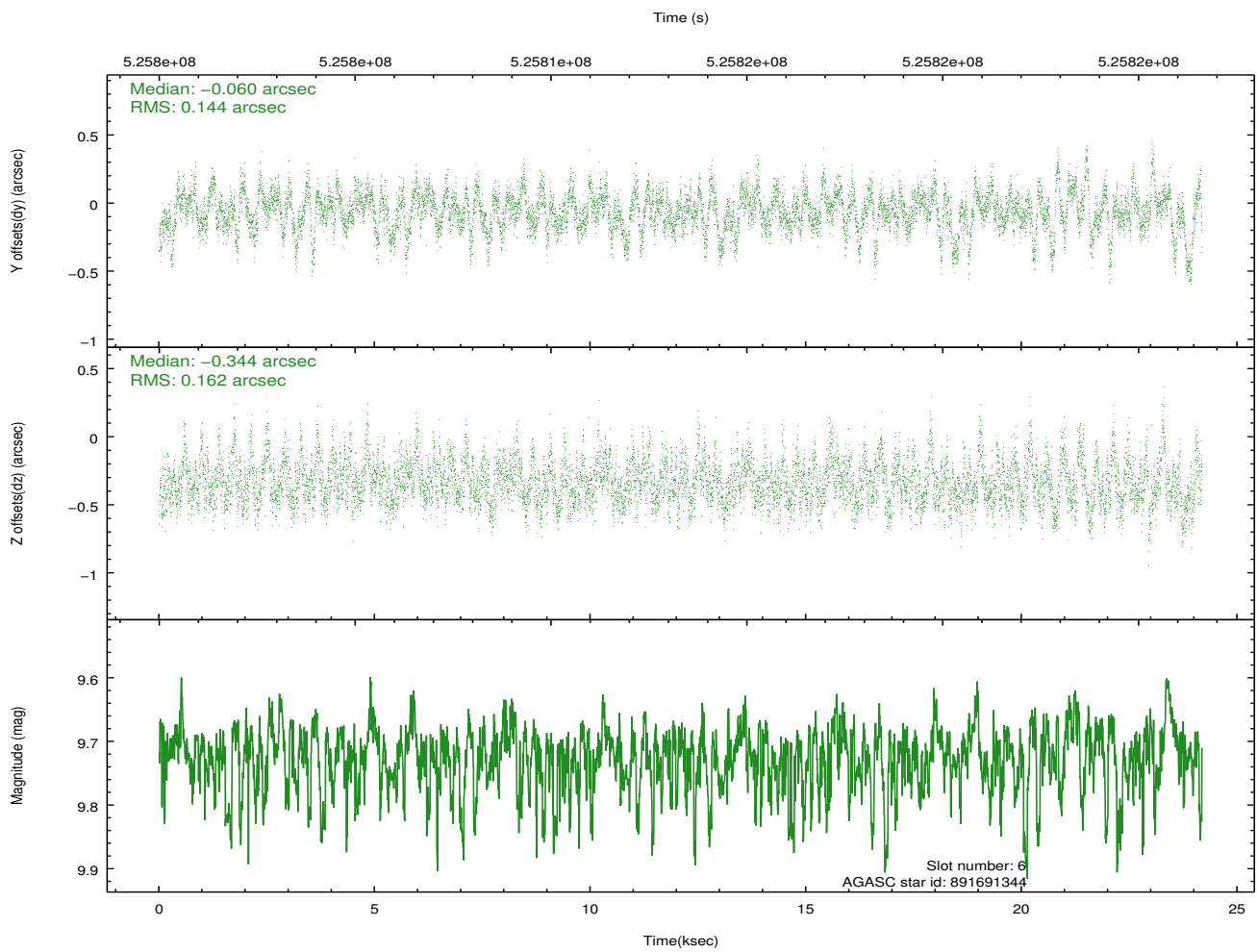
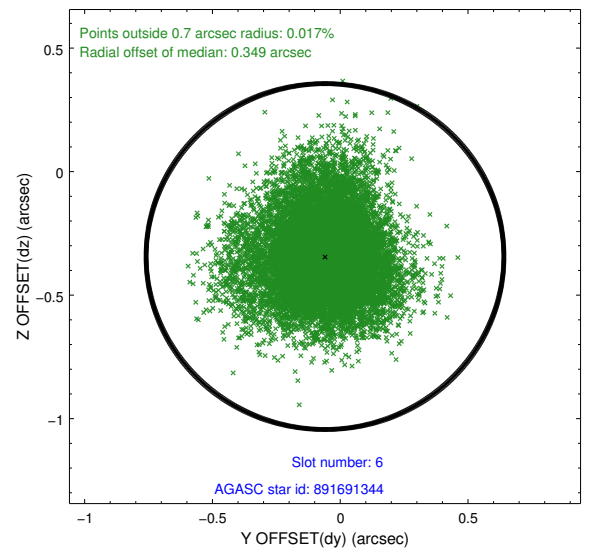
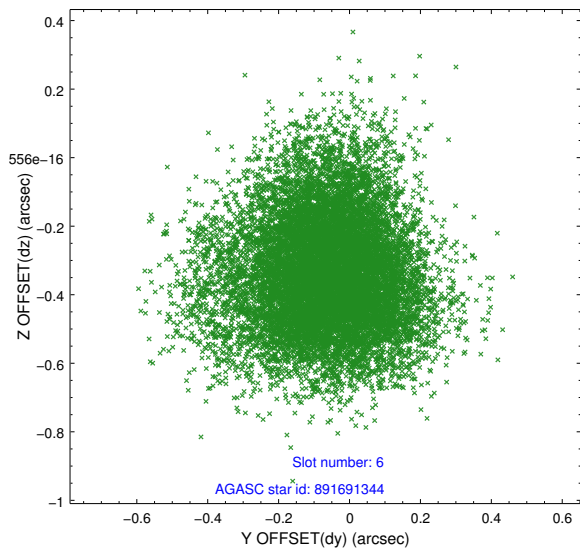
2.4.2 Slot 4



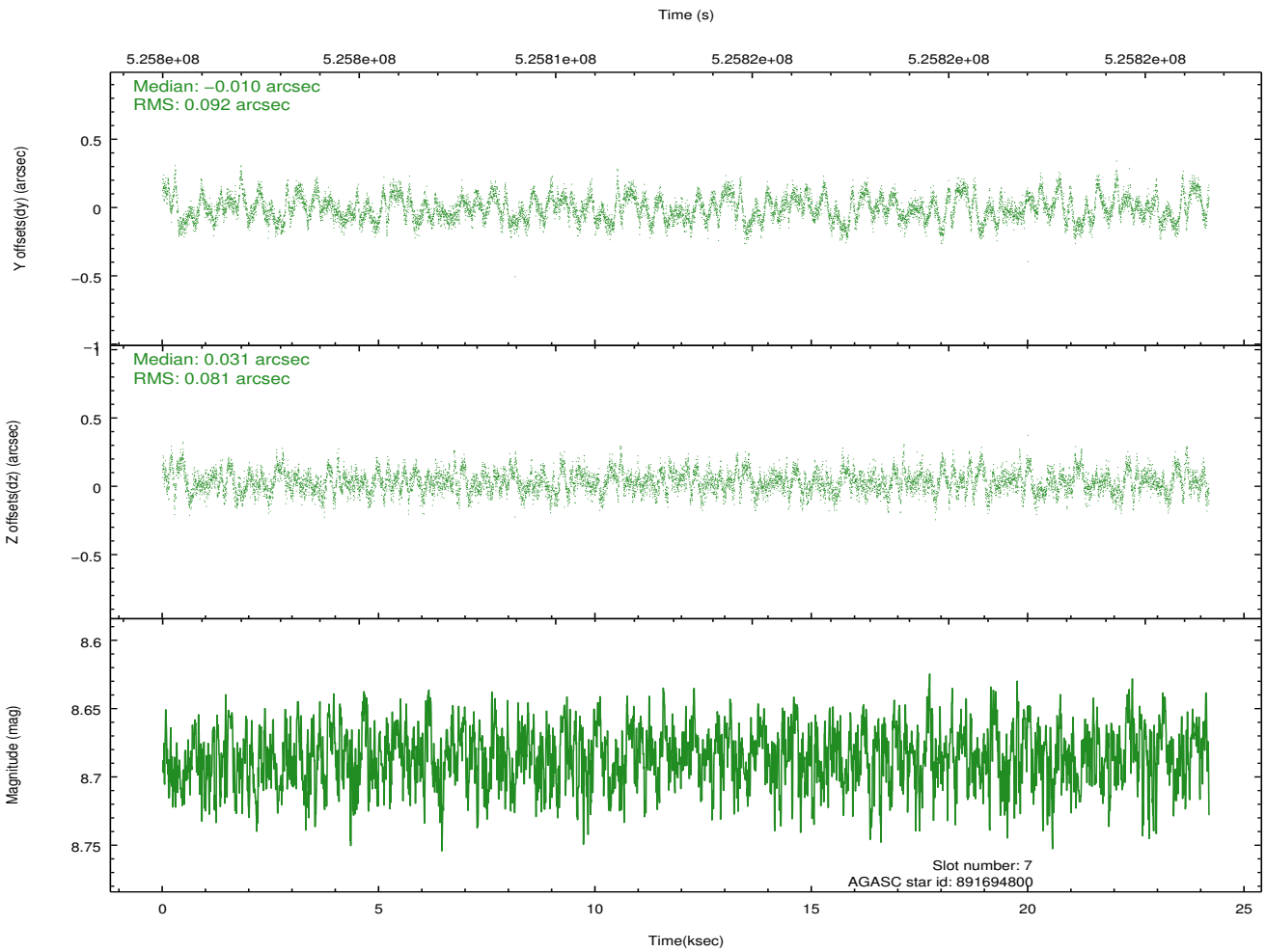
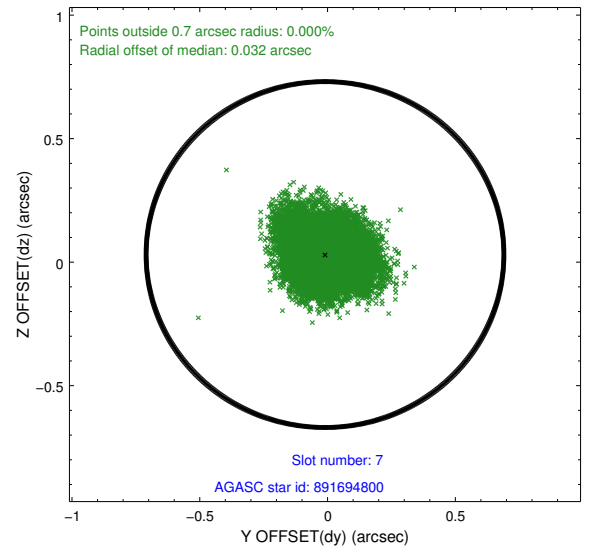
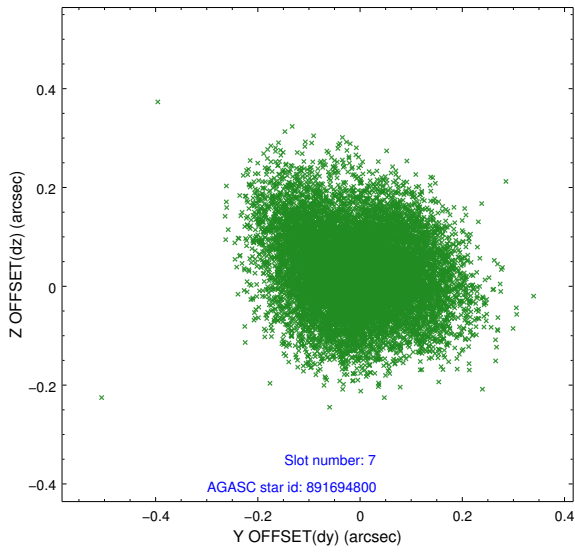
2.4.3 Slot 5



2.4.4 Slot 6

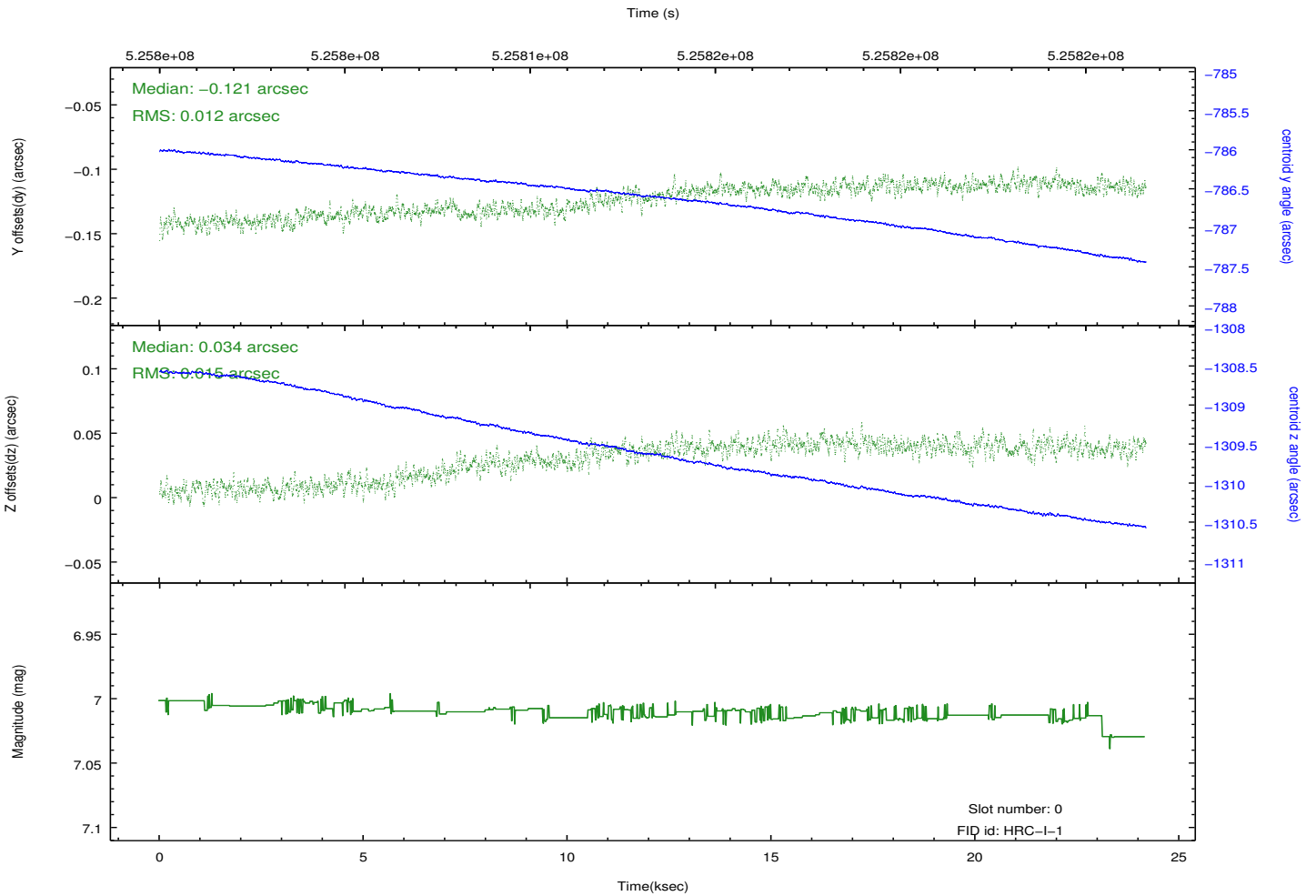
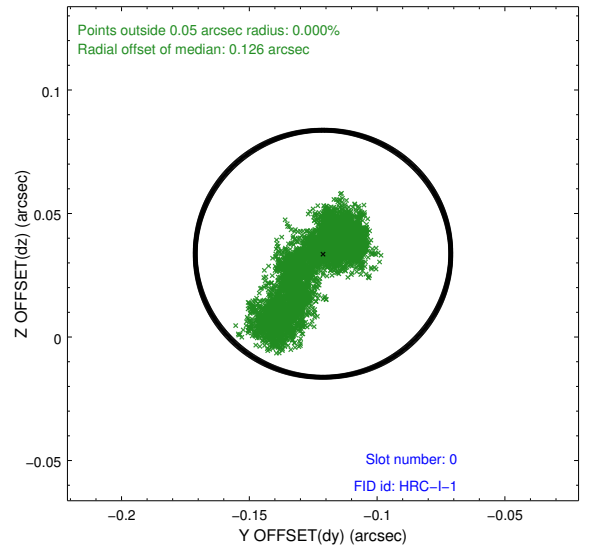
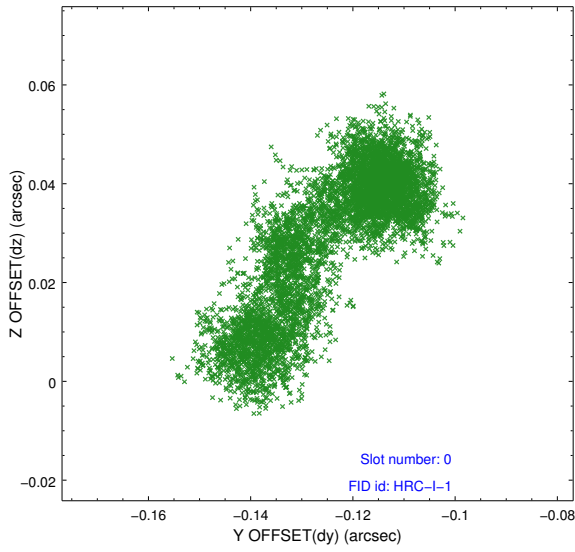


2.4.5 Slot 7

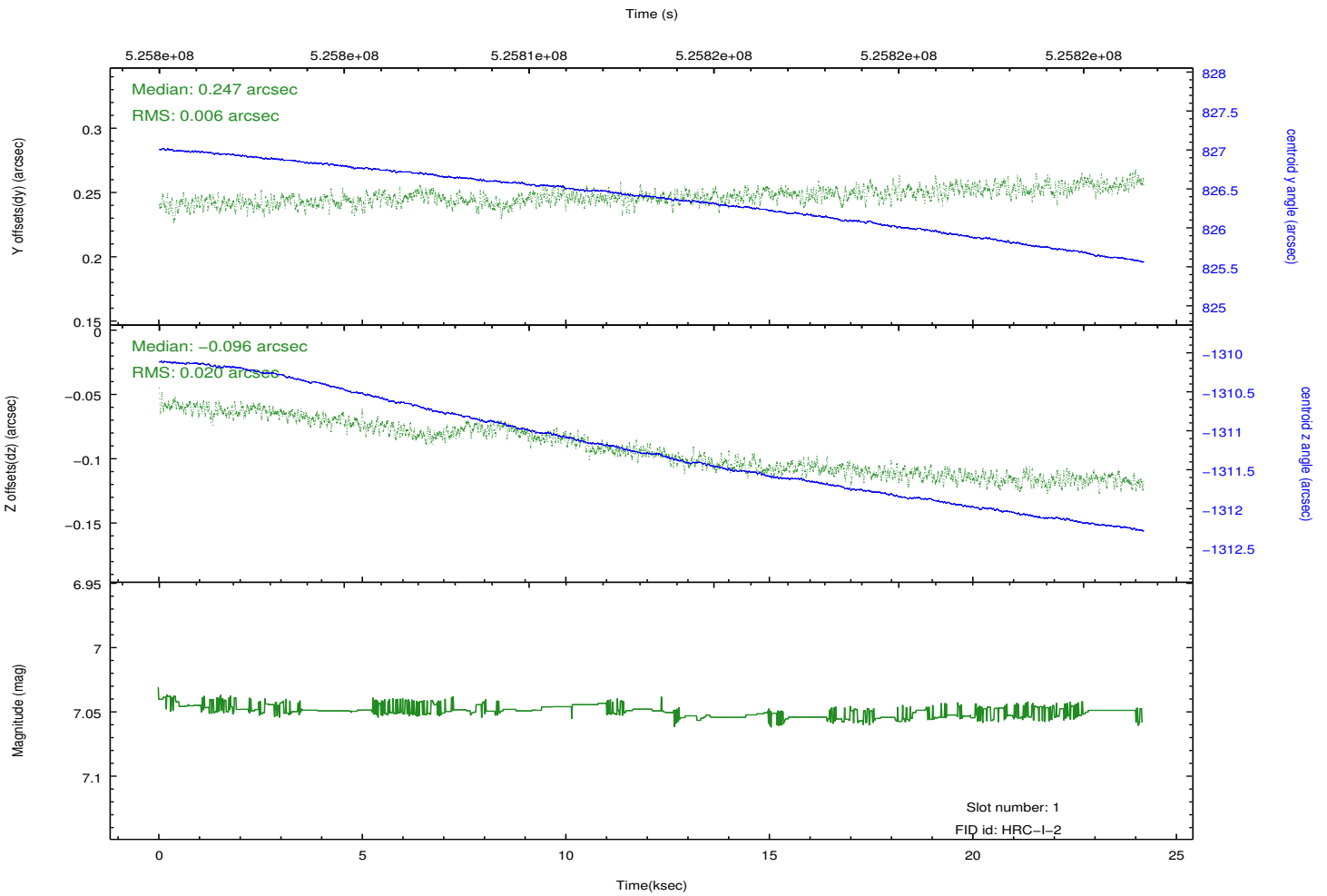
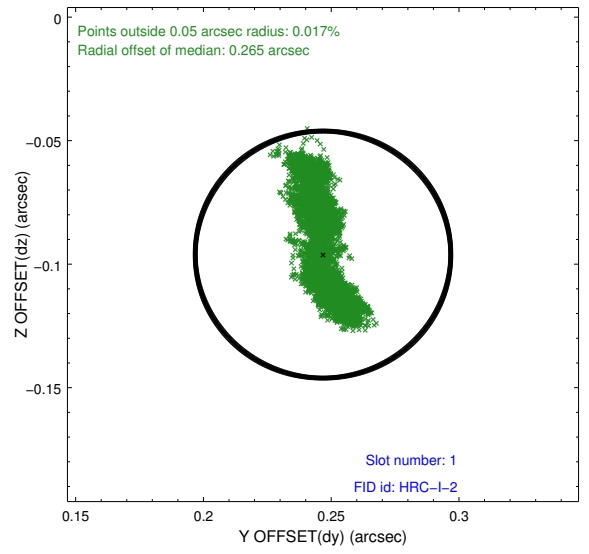
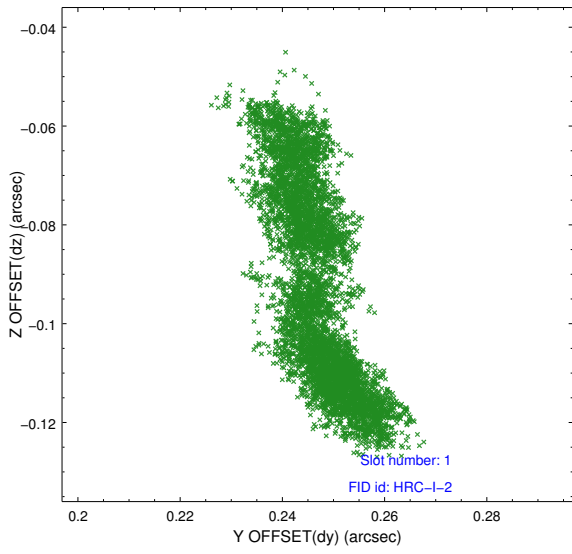


2.5 FID Slots

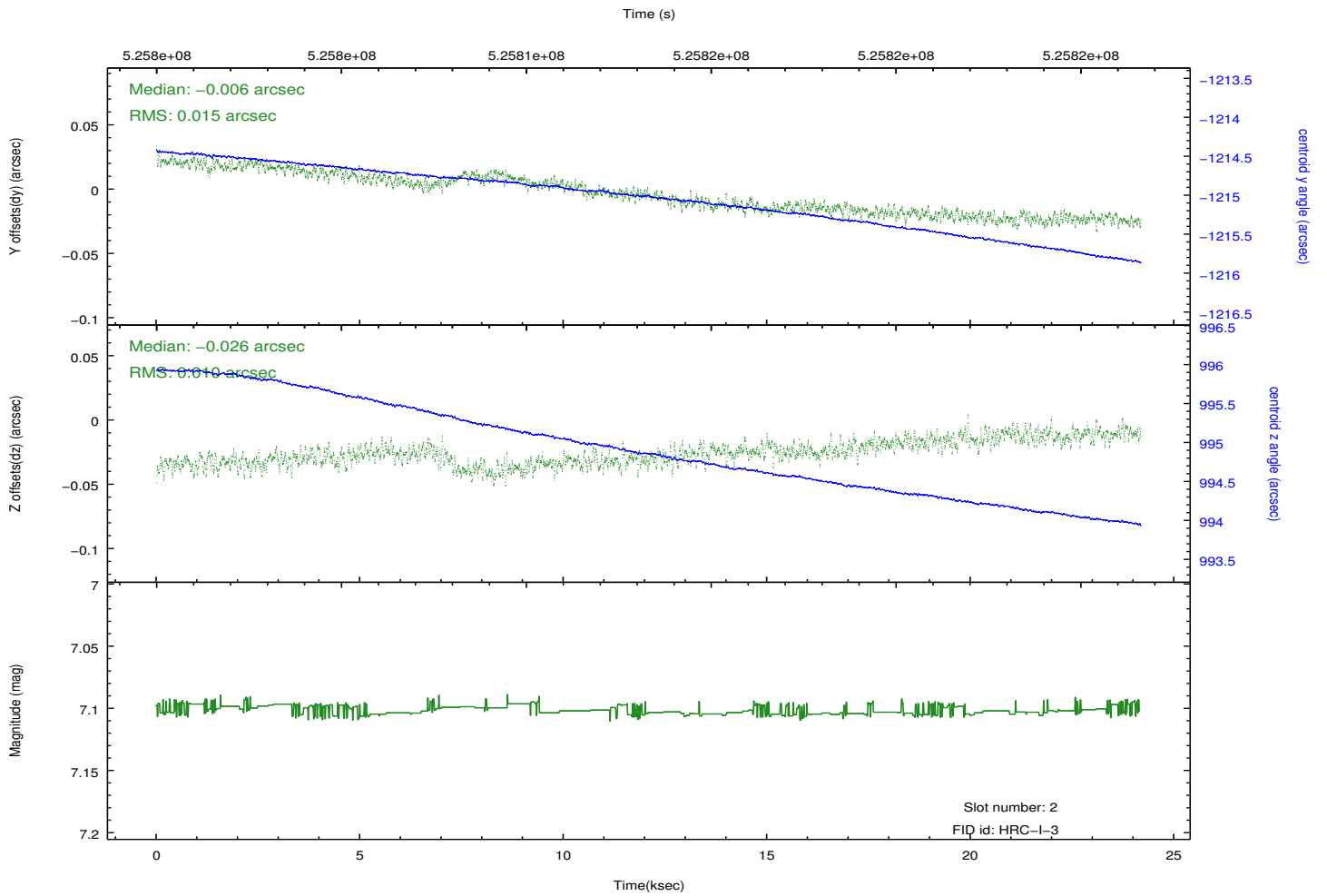
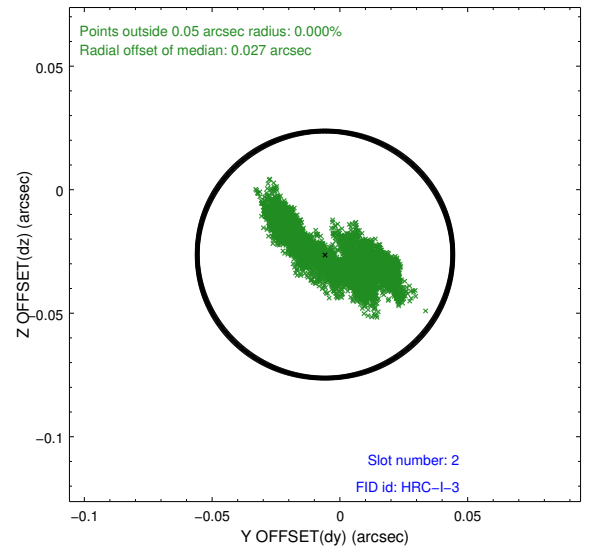
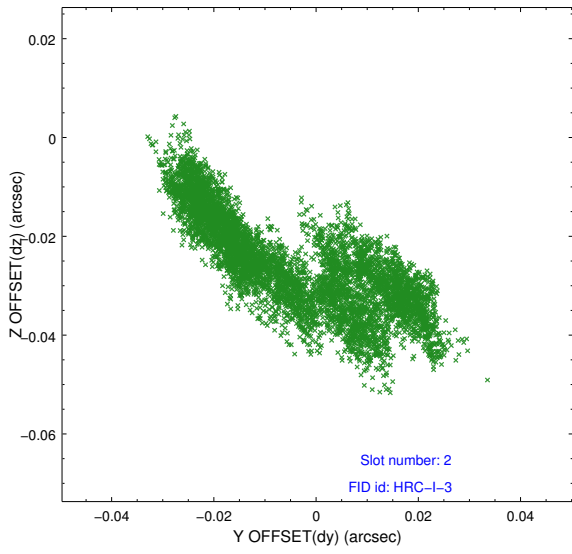
2.5.1 Slot 0



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)	2014.09.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.182826340377

A.2 Comments

Roll preference met.