

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2871 - L2 Version 4
Chandra X-Ray Center

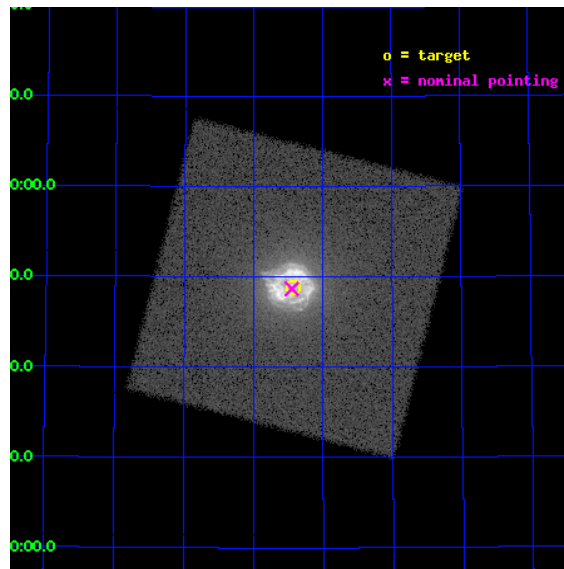
L2 Processing Date : Oct 2 2012

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1 Front

seq_num	590260	Sequence number
obs_id	2871	Observation id
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [HRC-I, Offsets=0,0,0]	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.86194504858	Nominal RA [deg]
dec_nom	58.811448699312	Nominal Dec [deg]
roll_nom	329.33806373425	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4981.7564509809	[s]
livetime	4921.8137353947	Ontime multiplied by DTCOR
l2events	581985	Number of level 2 events

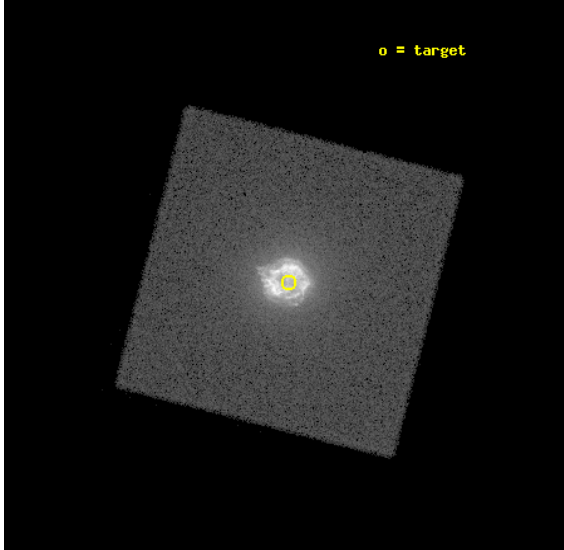


2 OBI

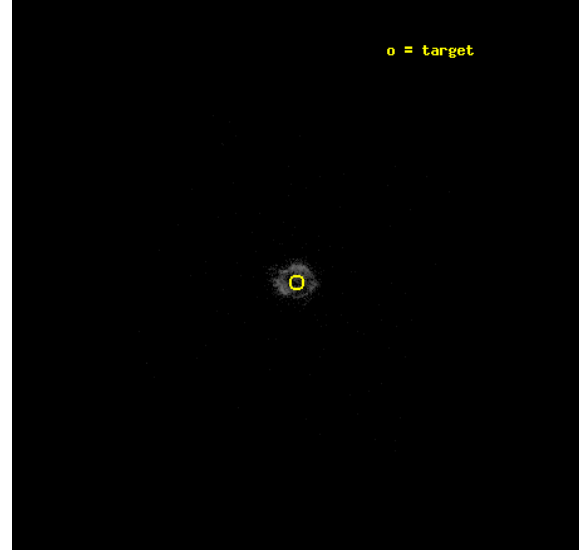
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4981.7564509809	[s]
caldbver	4.5.2	 	l1events	701722	Number of level 1 events
date	2012-10-02T05:05:55	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

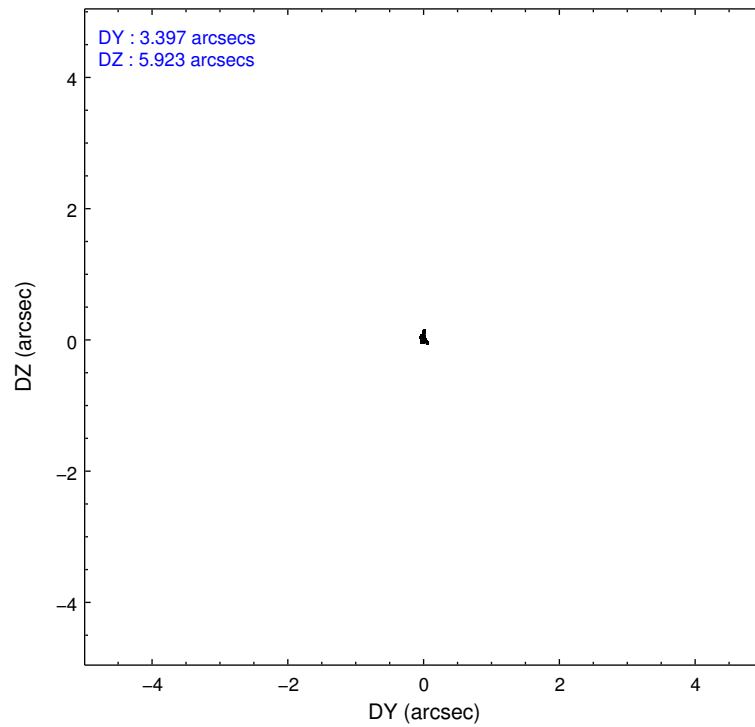
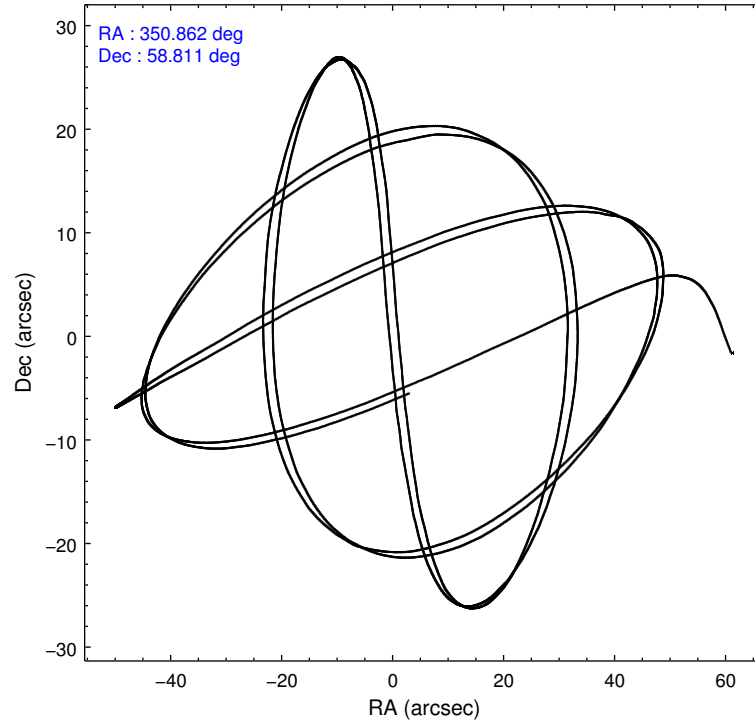
Level 1 Events

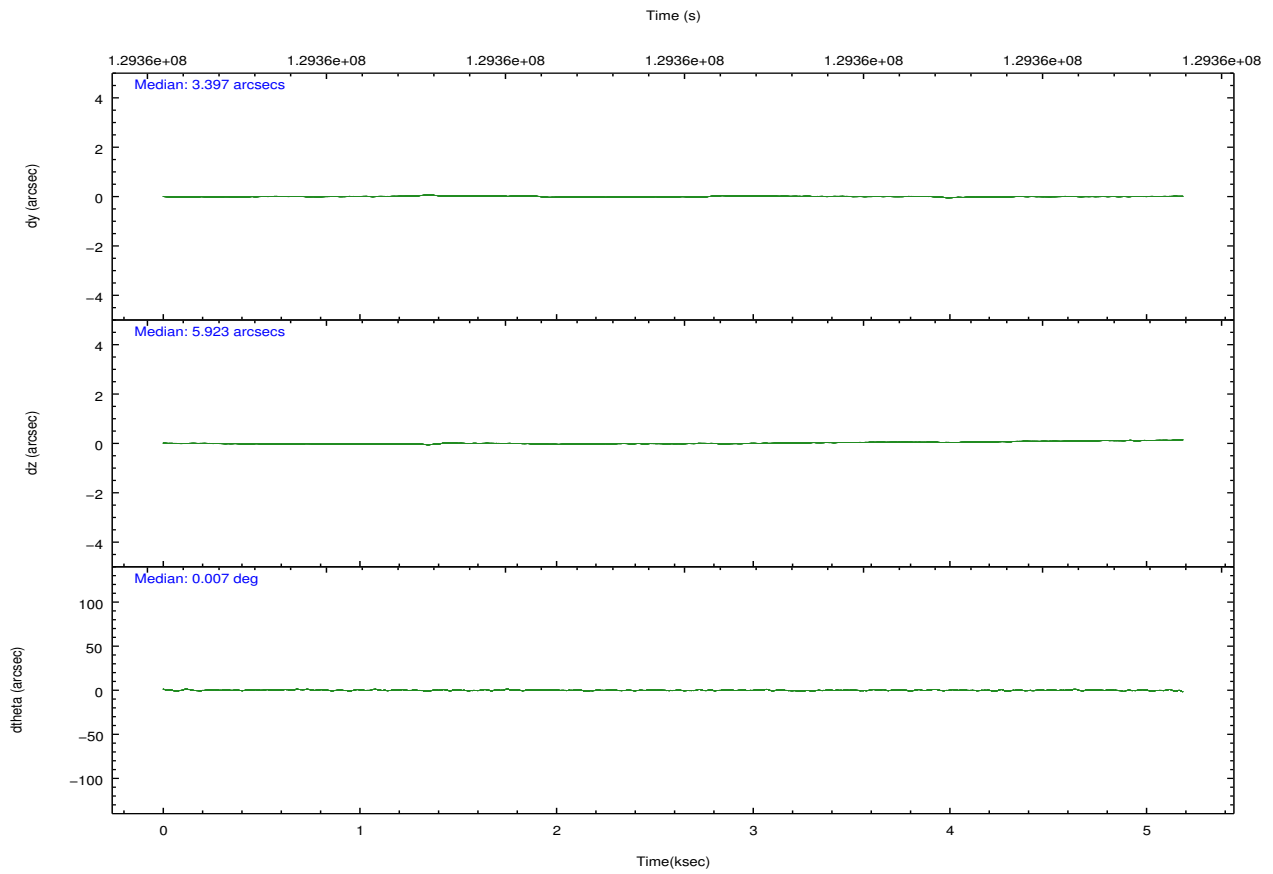
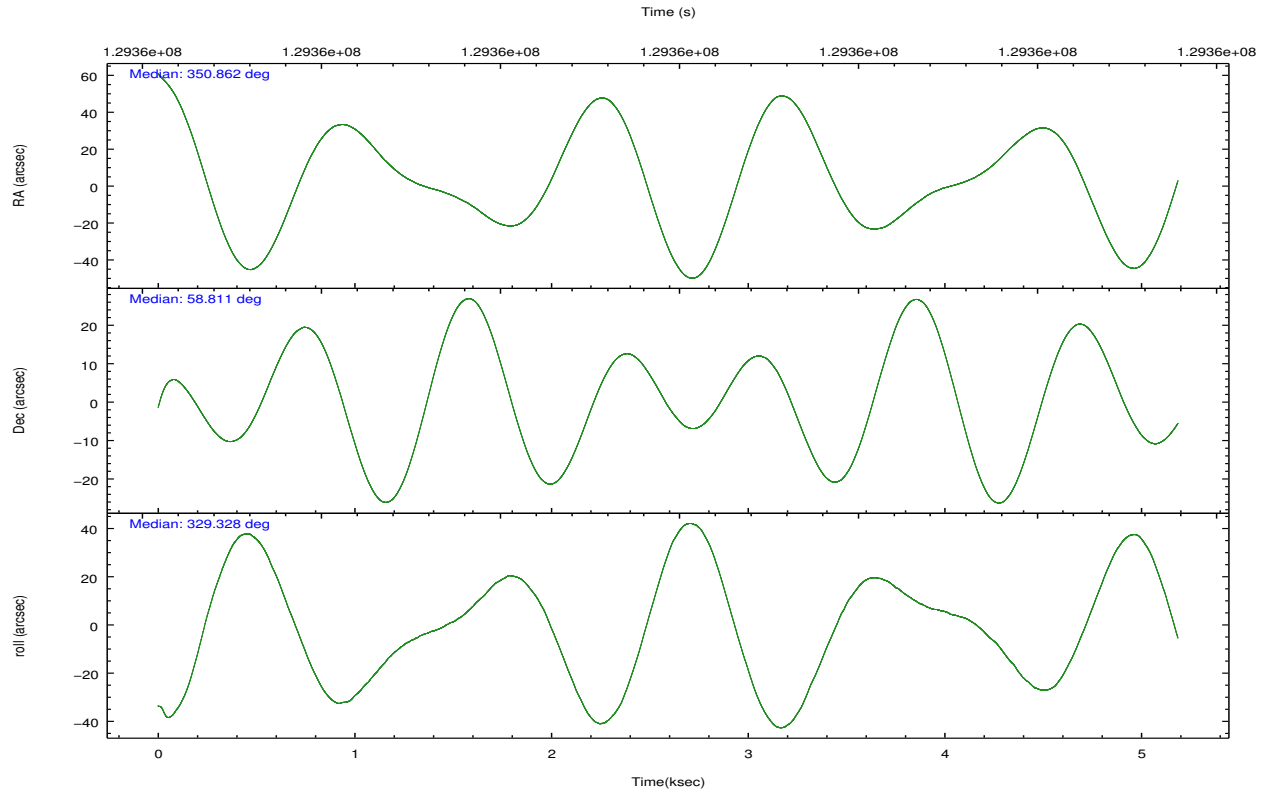
	segment 0
level 1 events	701722
rejected events	9204
rejected %	1%

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	350.809973	350.8619450485843			
[deg] Pointing Dec	58.811164	58.8114486993116			
[deg] Pointing Roll	329.477985	329.338063734252			
[s] Window start time (MET)	126230464.184000	126230464.184000			
[s] Window stop time (MET)	131241664.184000	131241664.184000			
[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)	129358530.184000	129357764.96272			
Observation start date	2002-02-06T04:54:26	2002-02-06T04:42:44			
[s] Observation end time (MET)	129363530.184000	129363797.60046			
Observation end date	2002-02-06T06:17:46	2002-02-06T06:23:17			

2.3 Aspect



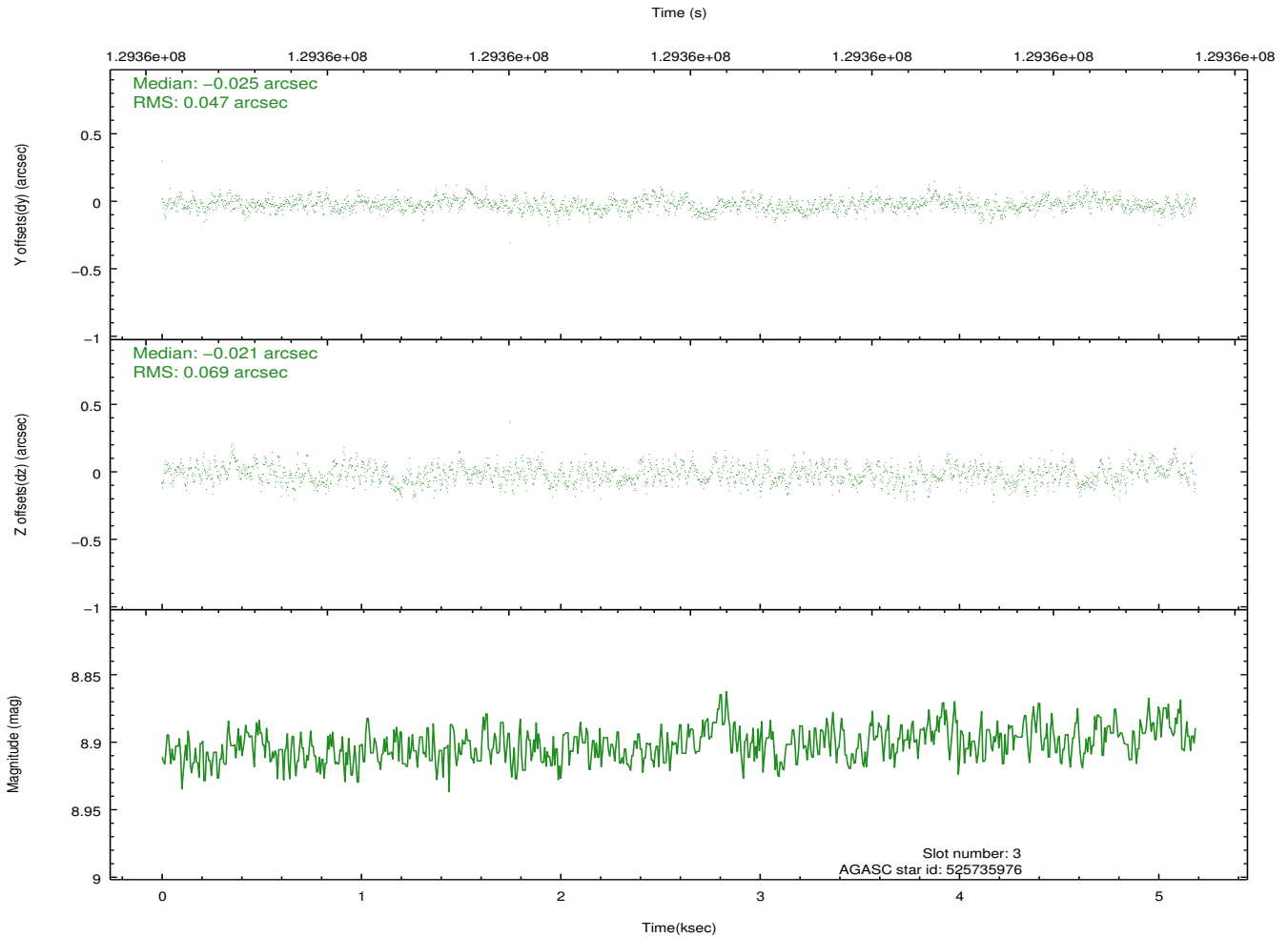
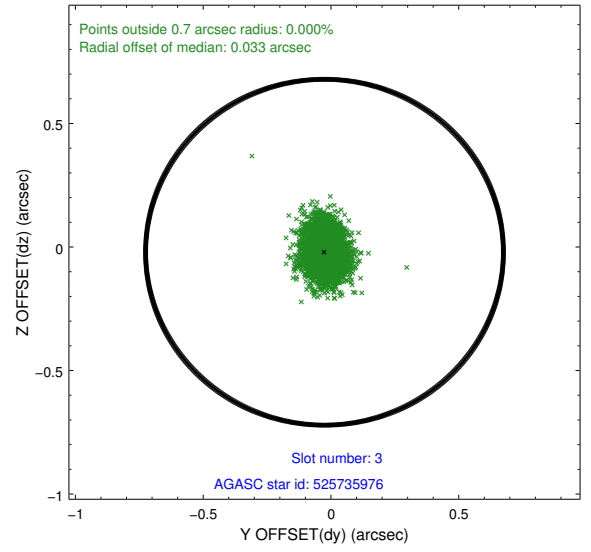
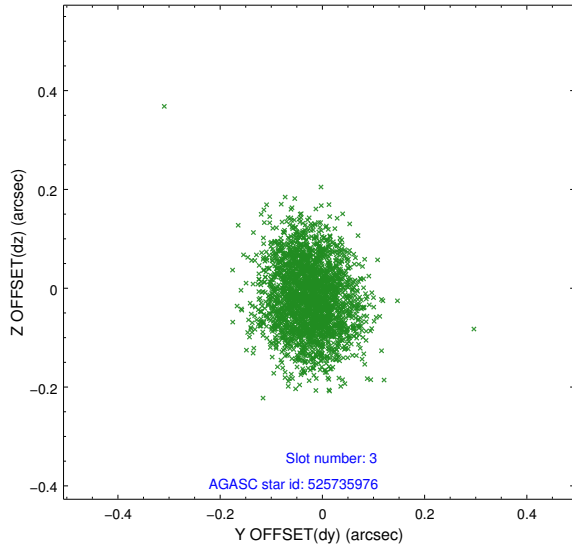


Slot Statistics

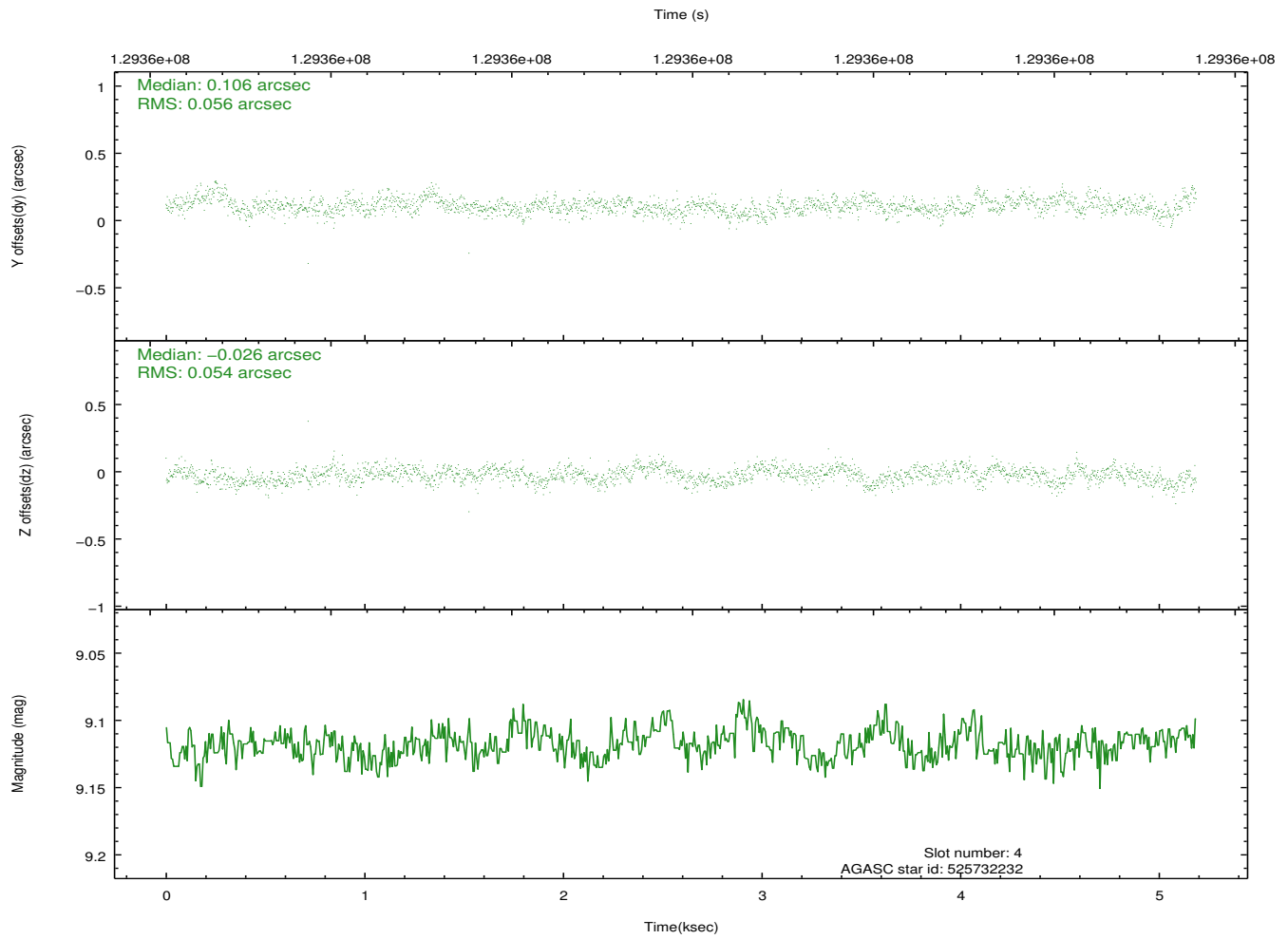
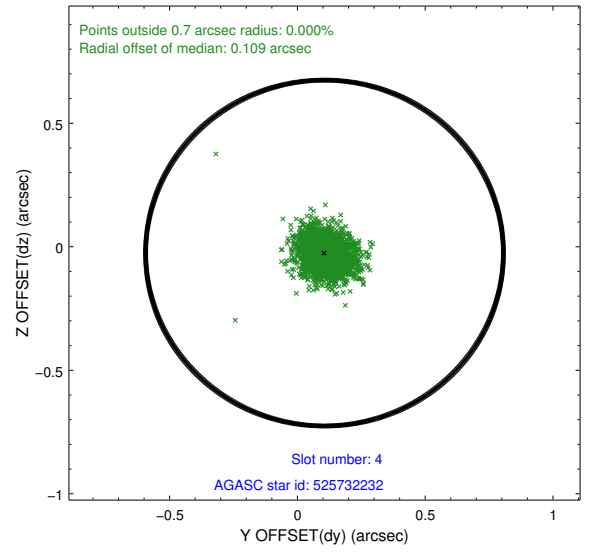
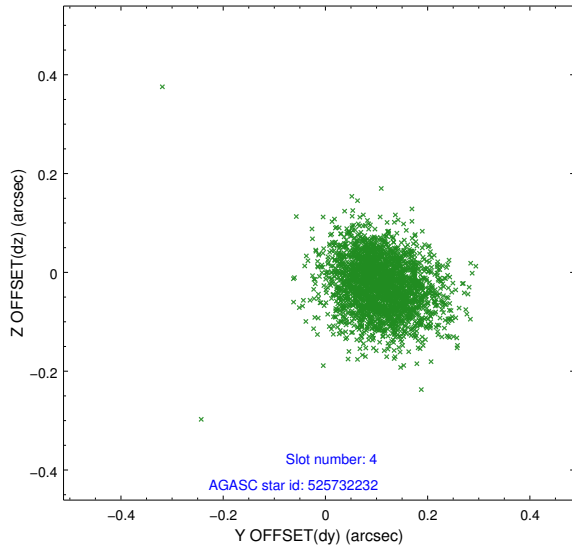
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1265	0.009	0.030	0.007	0.011	0.000000	0.000000	-758.84	-1293.80
1	FID	HRC-I-2	7.00	1265	0.067	-0.039	0.006	0.010	0.000000	0.000000	853.25	-1296.42
2	FID	HRC-I-3	7.04	1265	0.043	-0.080	0.005	0.010	0.000000	0.000000	-1186.67	1009.62
3	GUIDE	525735976	8.90	2529	-0.025	-0.021	0.089	0.142	350.142956	58.277622	-115.56	-2290.40
4	GUIDE	525732232	9.12	2530	0.106	-0.026	0.081	0.133	351.669550	58.757012	1476.07	655.39
5	GUIDE	525736400	9.08	2531	0.014	0.079	0.079	0.129	350.974563	59.175145	-404.33	1283.63
6	GUIDE	525609504	9.07	2530	0.000	0.018	0.094	0.152	349.896632	58.356658	-661.37	-2274.96
7	GUIDE	525737208	9.39	2527	-0.098	-0.049	0.100	0.156	351.154109	59.407897	-550.02	2171.20

2.4 Star Slots

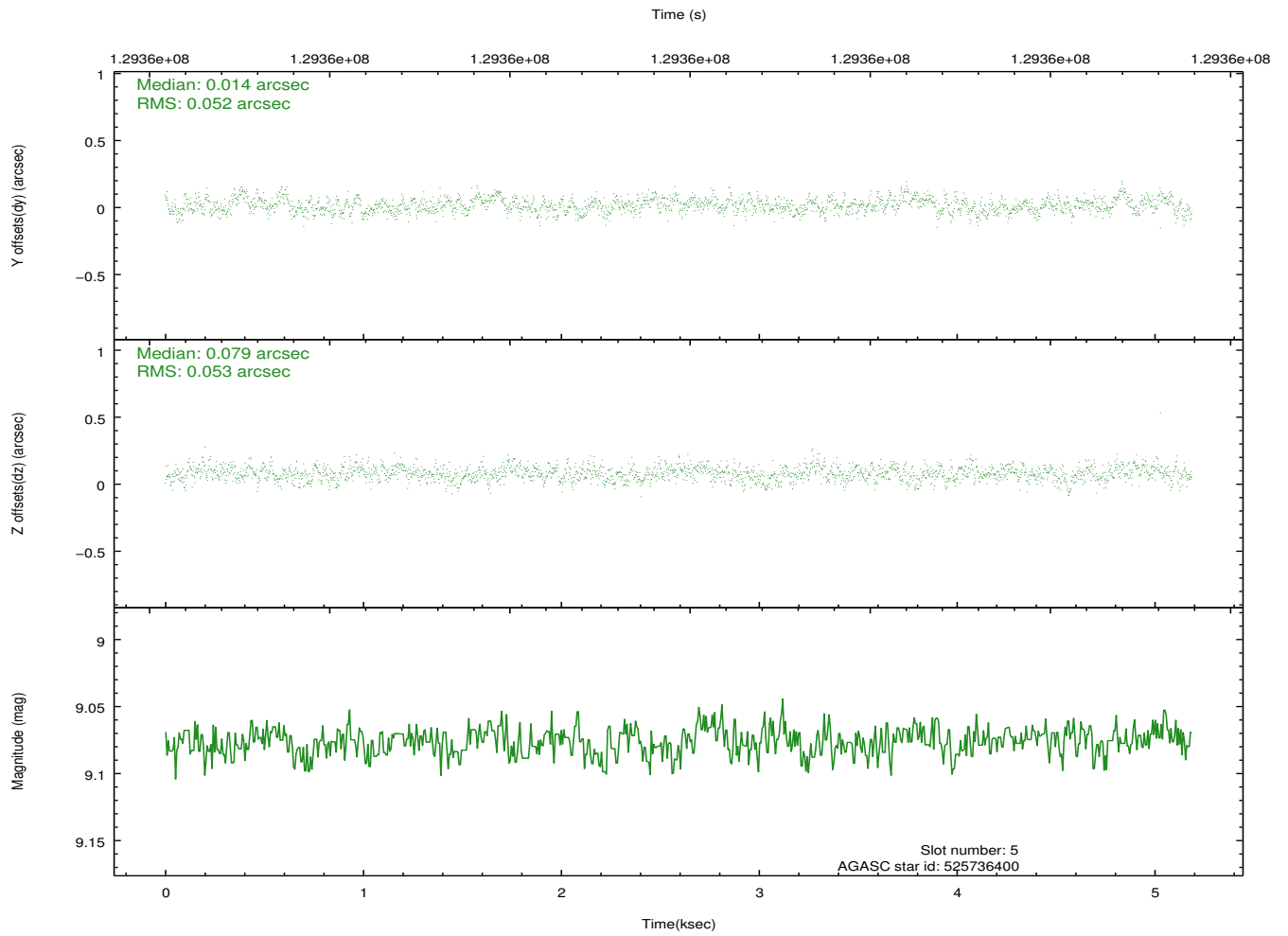
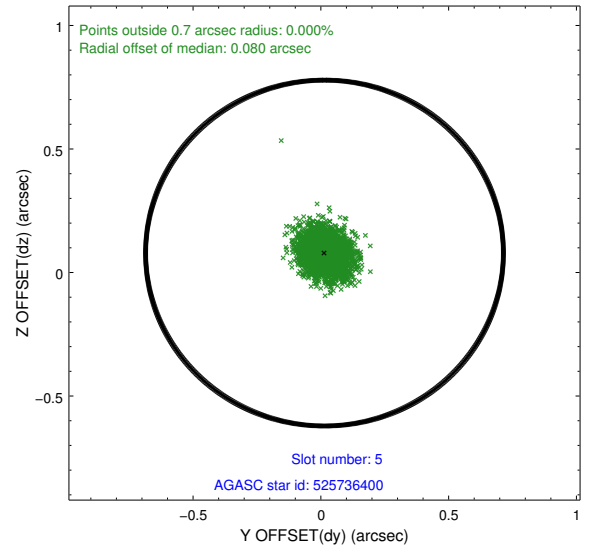
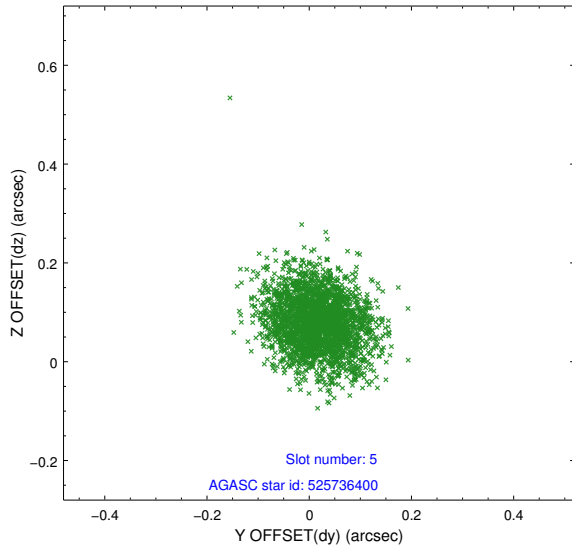
2.4.1 Slot 3



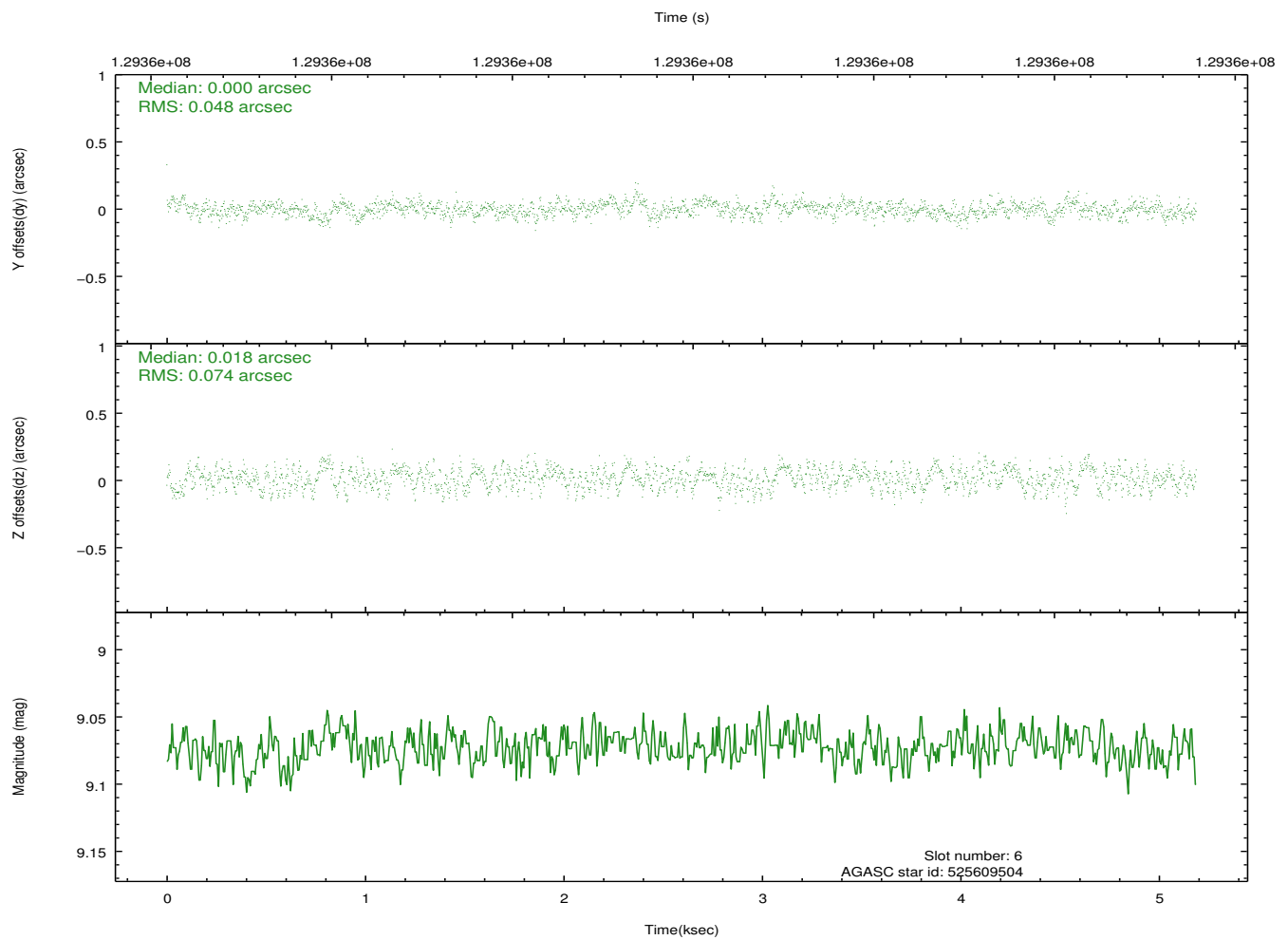
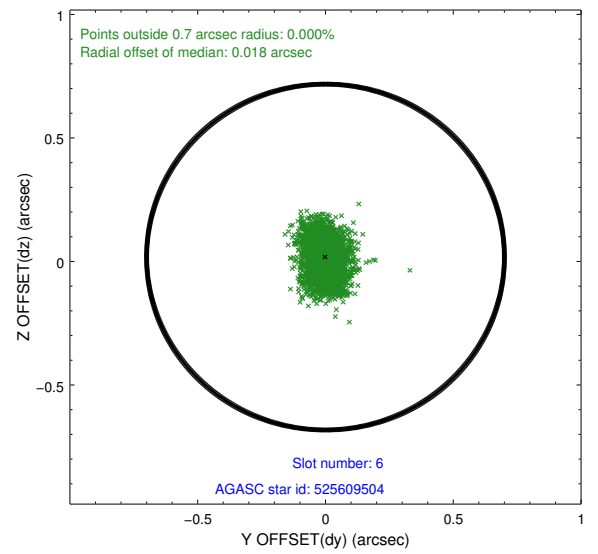
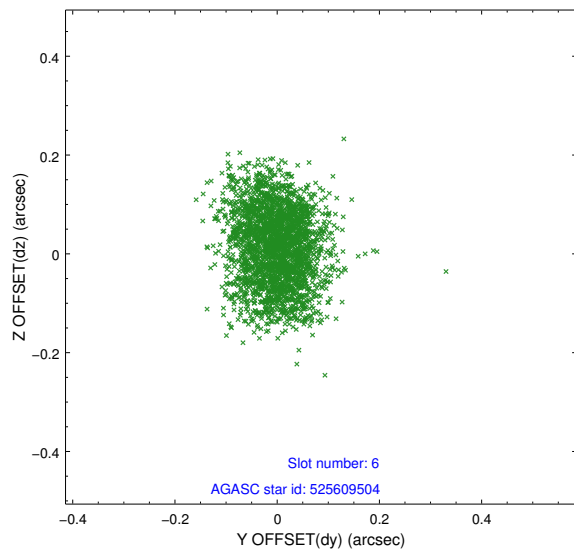
2.4.2 Slot 4



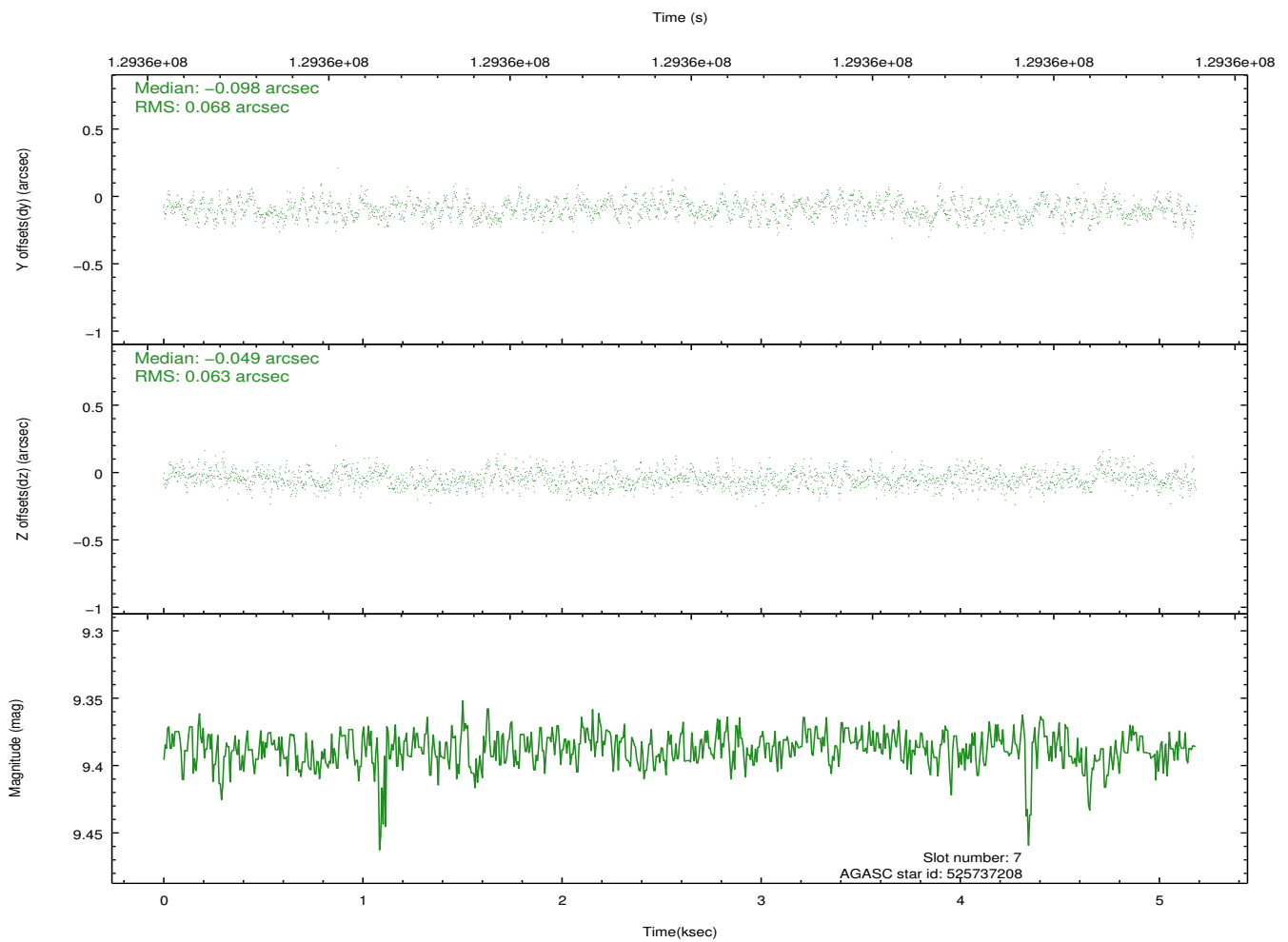
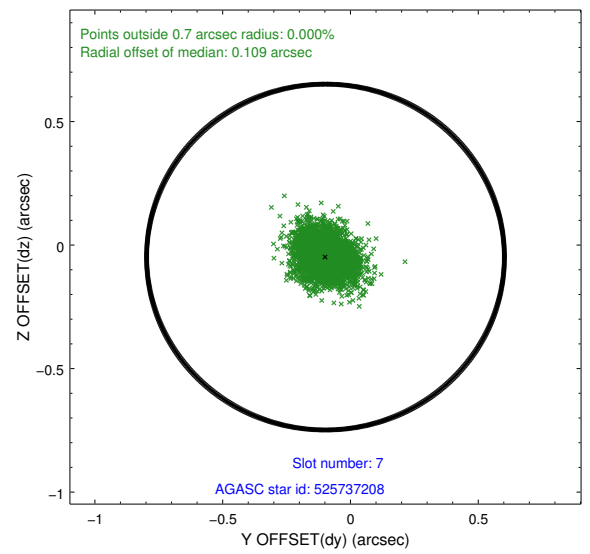
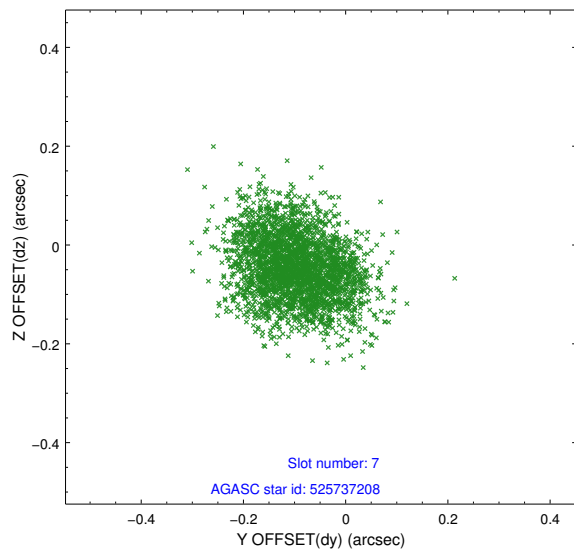
2.4.3 Slot 5



2.4.4 Slot 6

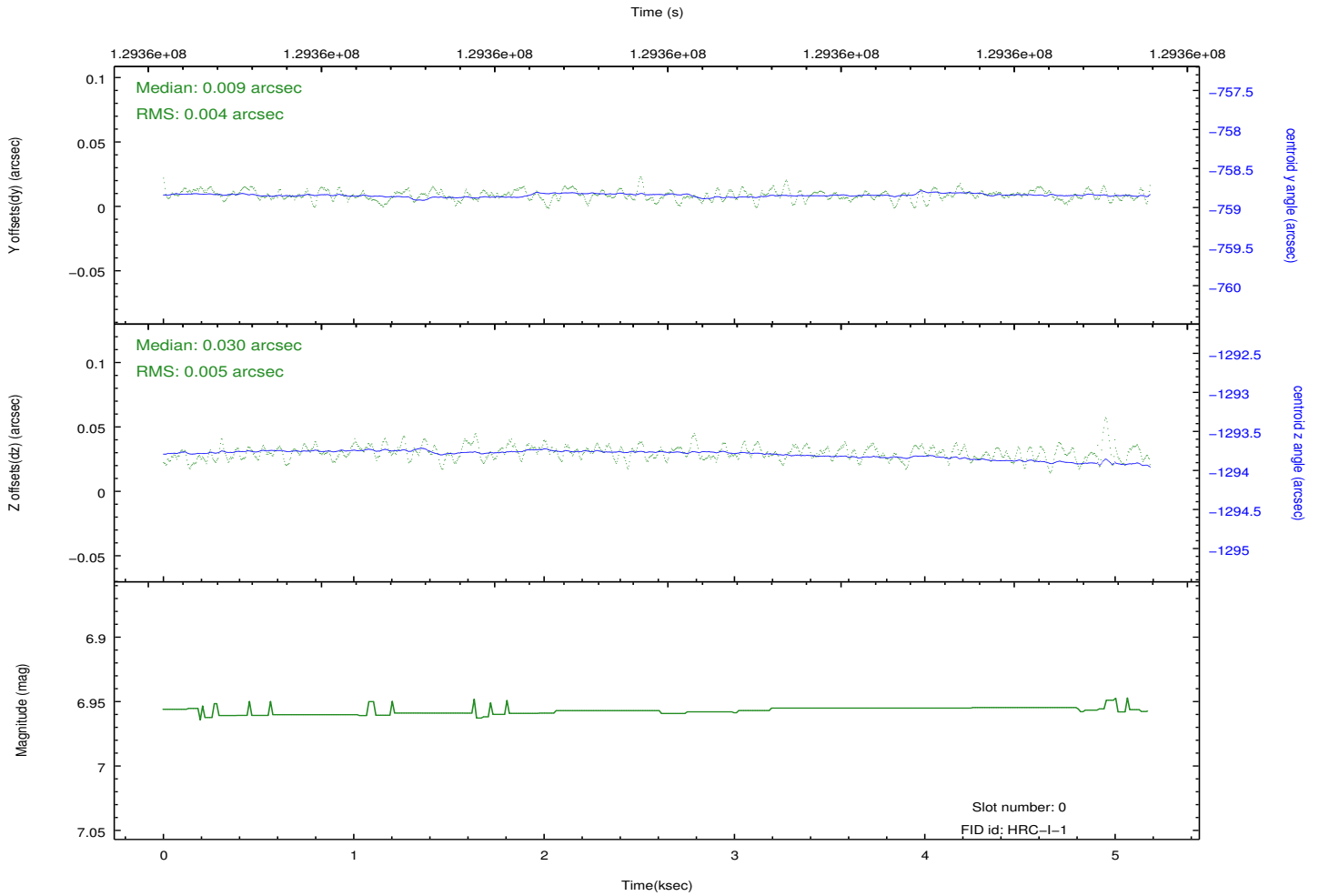
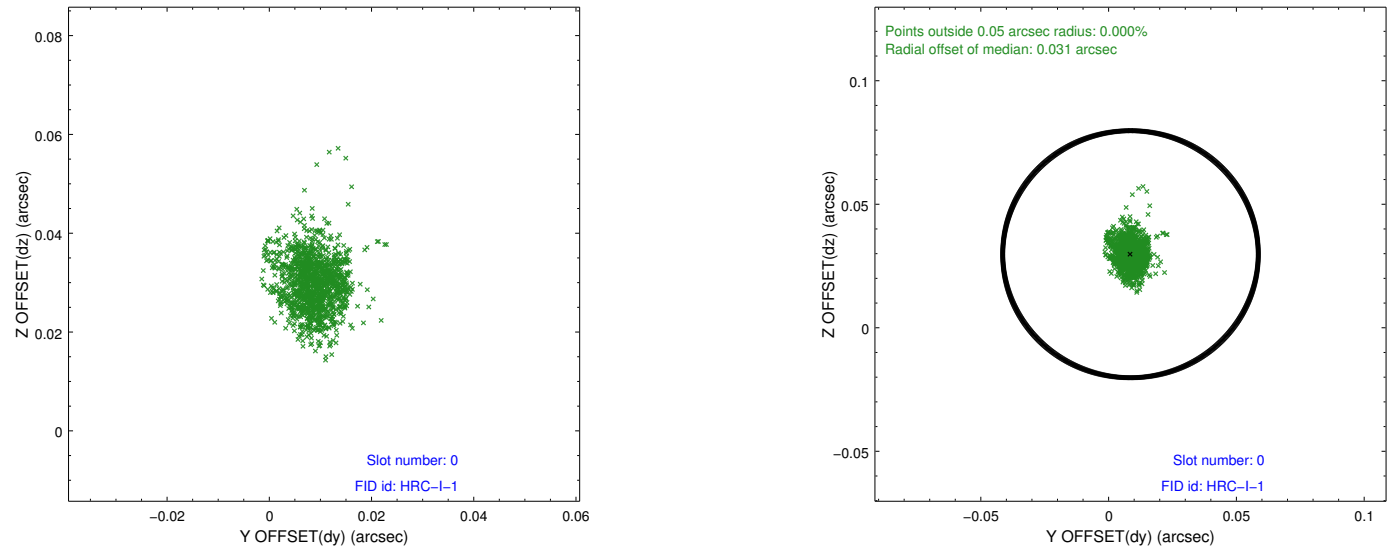


2.4.5 Slot 7

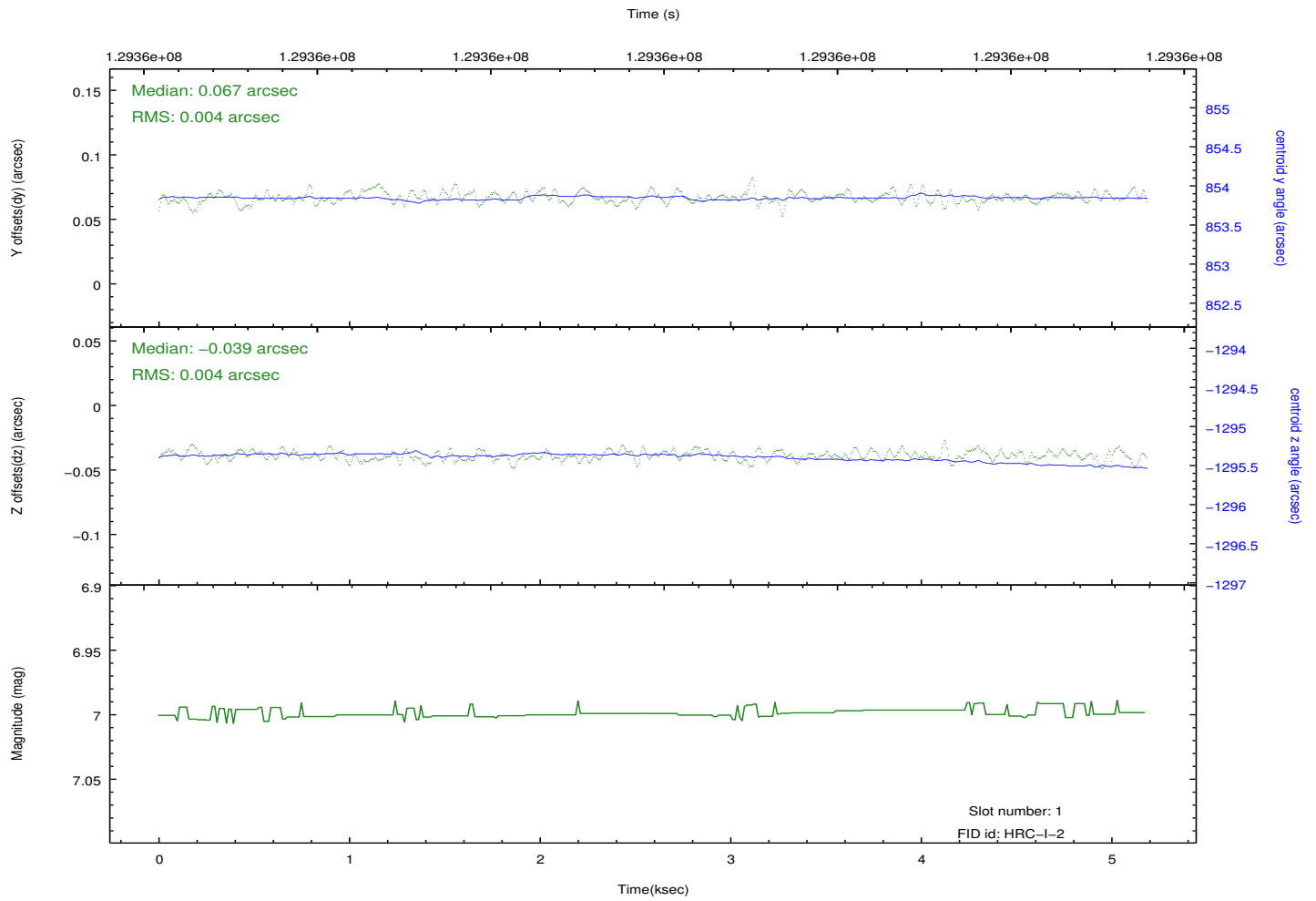
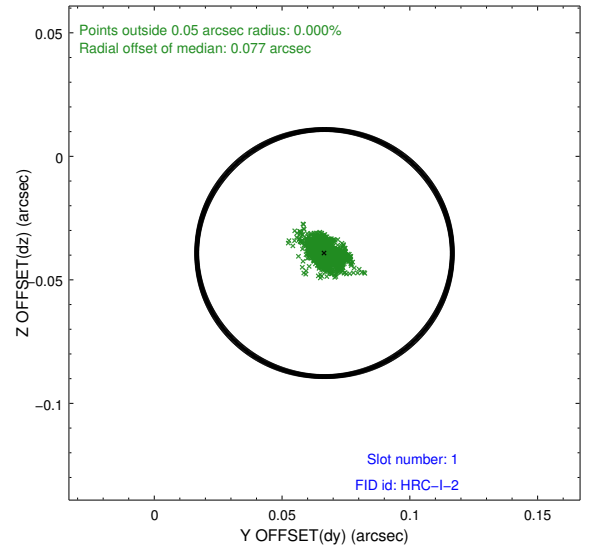
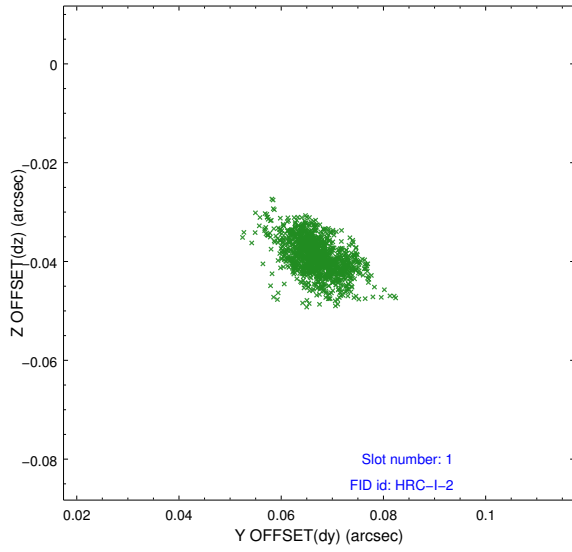


2.5 FID Slots

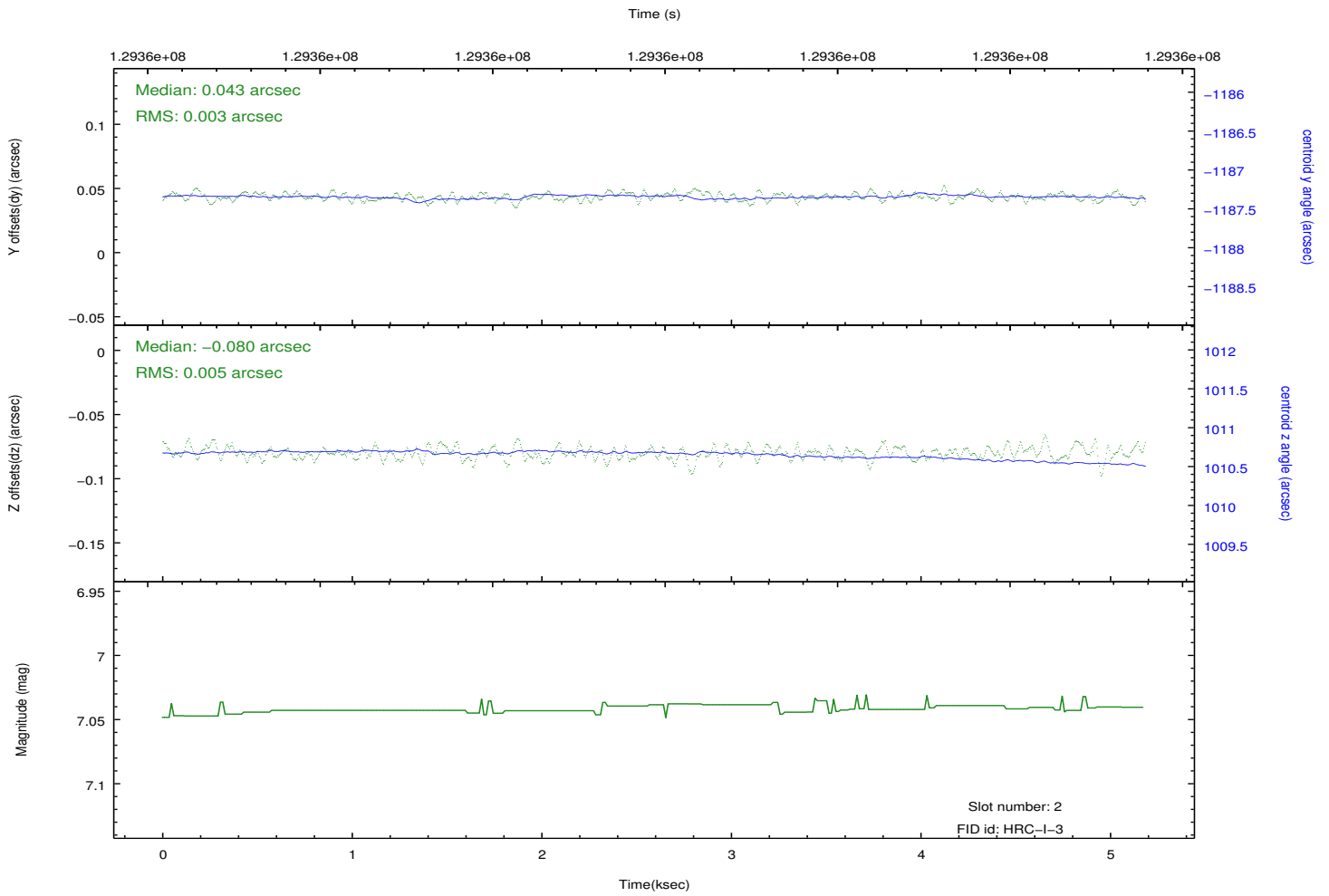
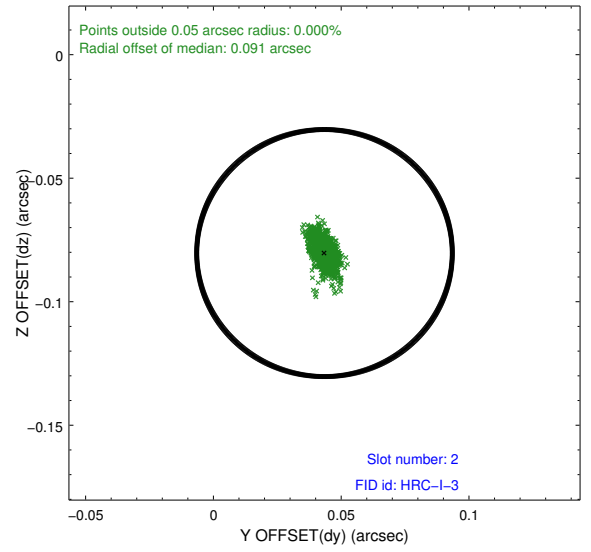
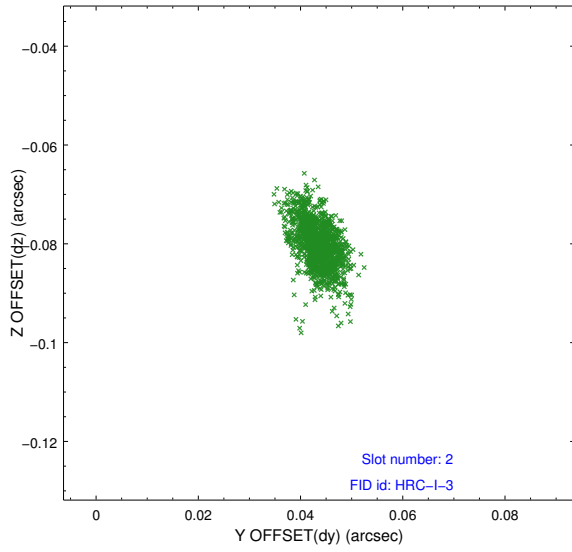
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.981

A.2 Comments

Window preference met.