

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 14233 - L2 Version 2
Chandra X-Ray Center

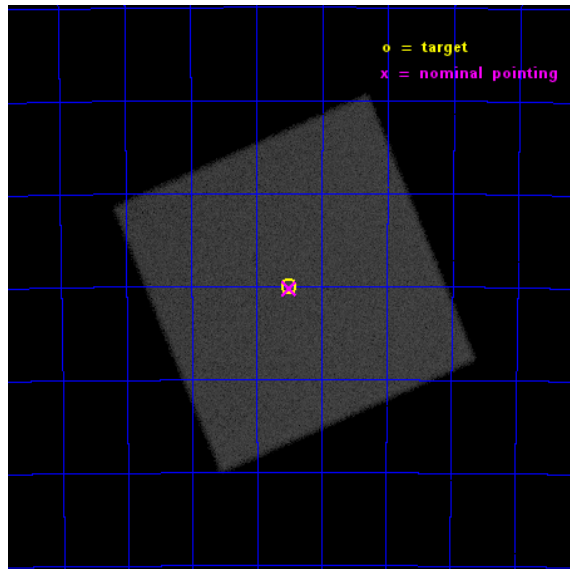
L2 Processing Date : Dec 11 2014

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1 Front

seq_num	200825	Sequence number
obs_id	14233	Observation id
title	Alpha Cen: Climbing out of a Coronal Recession?	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.874167	Observer's specified target RA [deg]
dec_targ	-60.833139	Observer's specified target Dec [deg]
ra_nom	219.87409785258	Nominal RA [deg]
dec_nom	-60.837341543914	Nominal Dec [deg]
roll_nom	292.01943178261	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9689.5817863345	[s]
livetime	9619.8244589186	Ontime multiplied by DTCOR
l2events	547667	Number of level 2 events

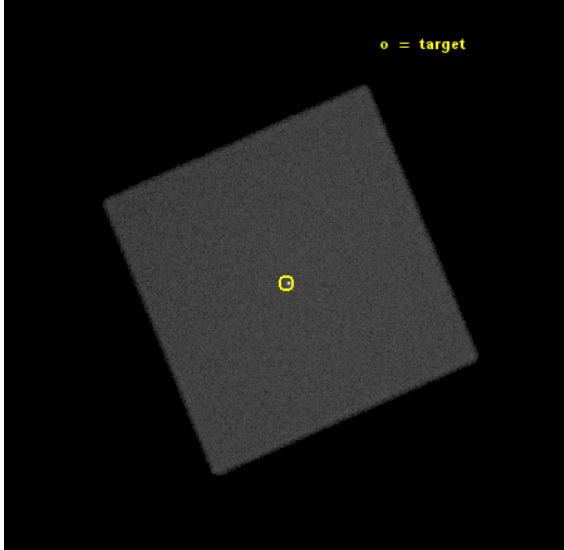


2 OBI

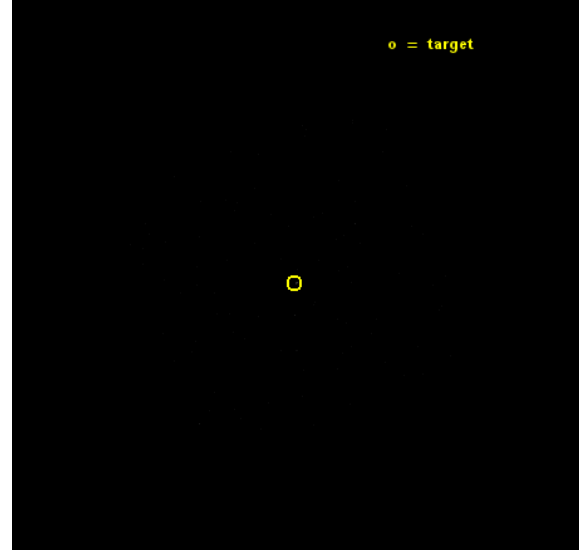
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	9500.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	9689.5817863345	[s]
caldbver	4.6.4	 	l1events	752489	Number of level 1 events
date	2014-12-12T01:38:28	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

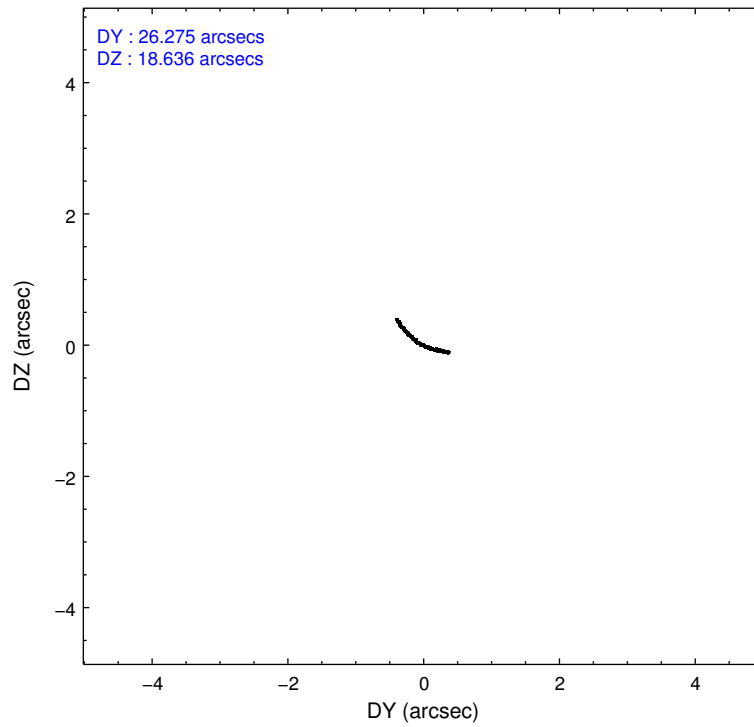
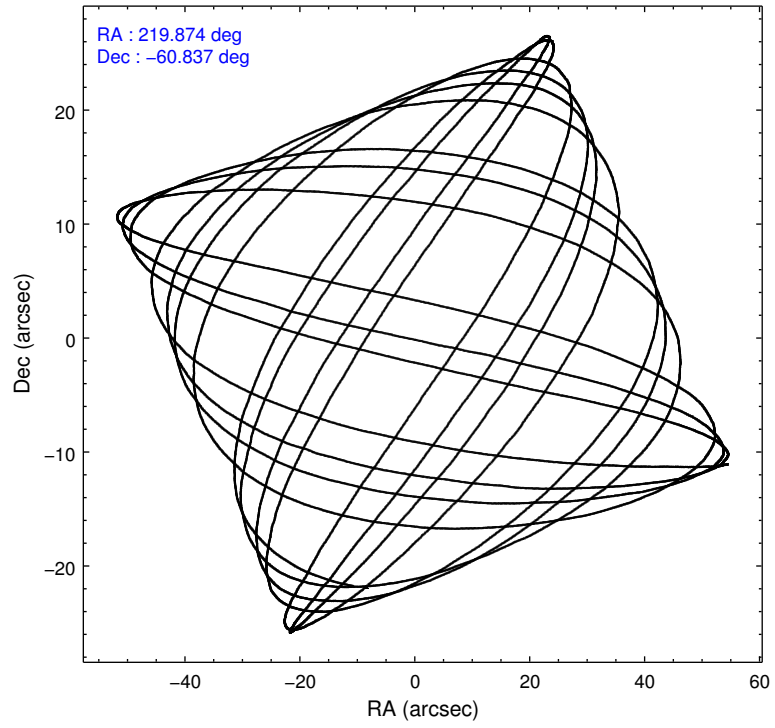
Level 1 Events

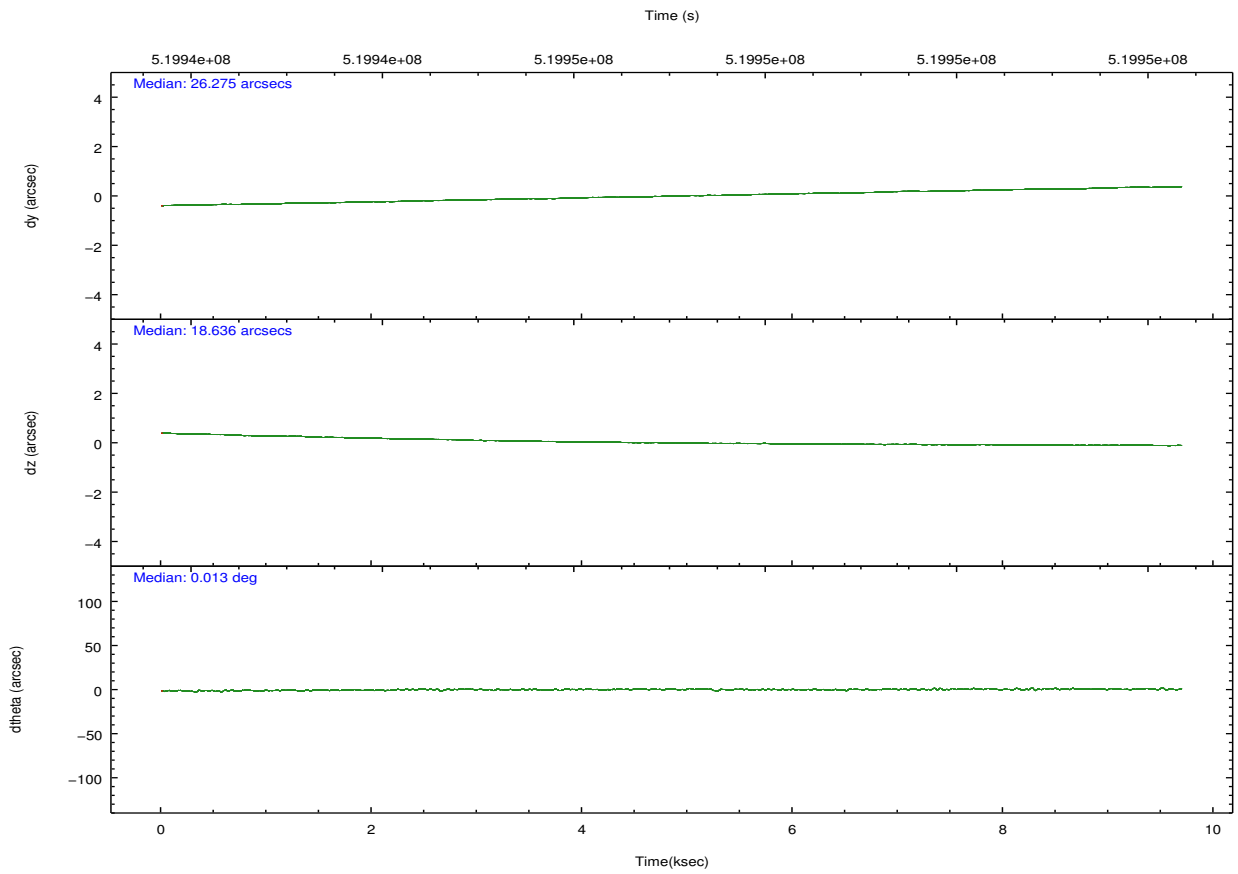
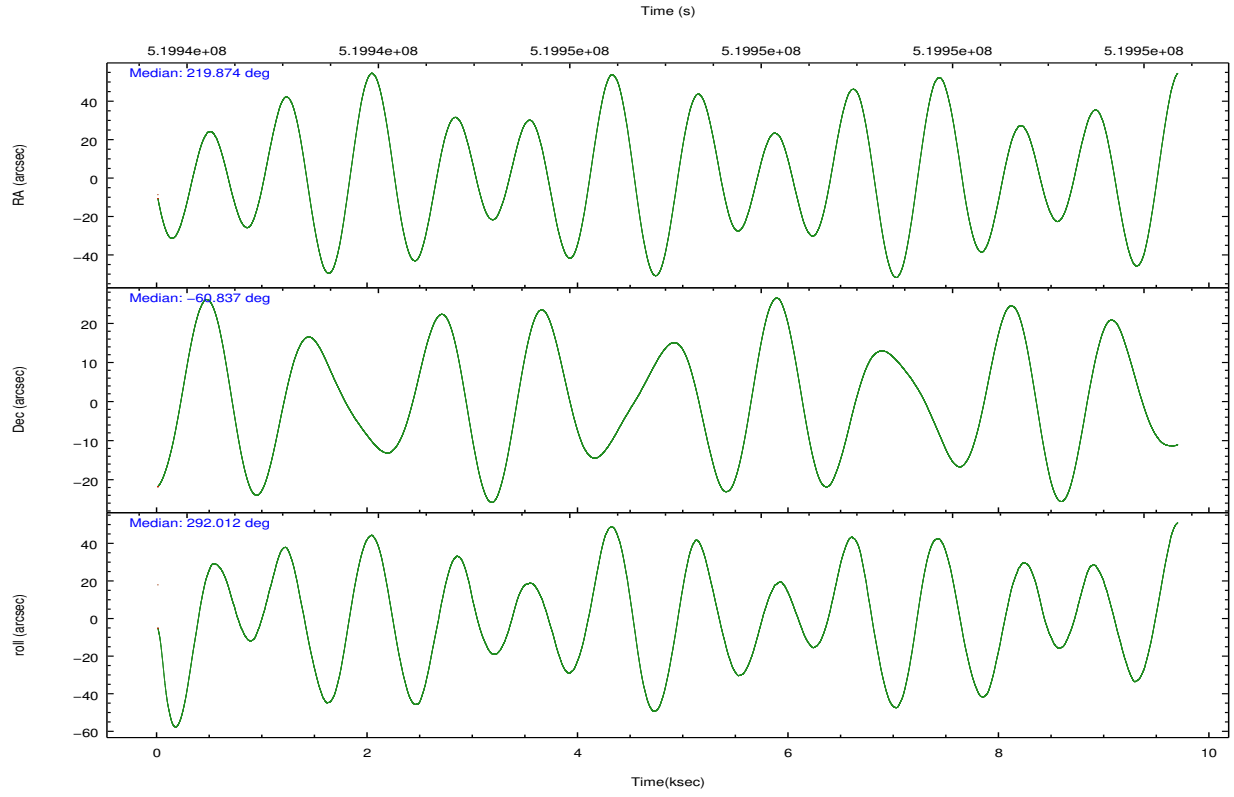
	segment 0
level 1 events	752489
rejected events	21002
rejected %	2%

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	219.829459	219.8740978525768			
[deg] Pointing Dec	-60.821120	-60.8373415439137			
[deg] Pointing Roll	292.075936	292.0194317826105			
[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)	519942380.184000	519941788.75955			
Observation start date	2014-06-23T20:25:13	2014-06-23T20:16:28			
[s] Observation end time (MET)	519951880.184000	519952672.21015			
Observation end date	2014-06-23T23:03:33	2014-06-23T23:17:52			

2.3 Aspect





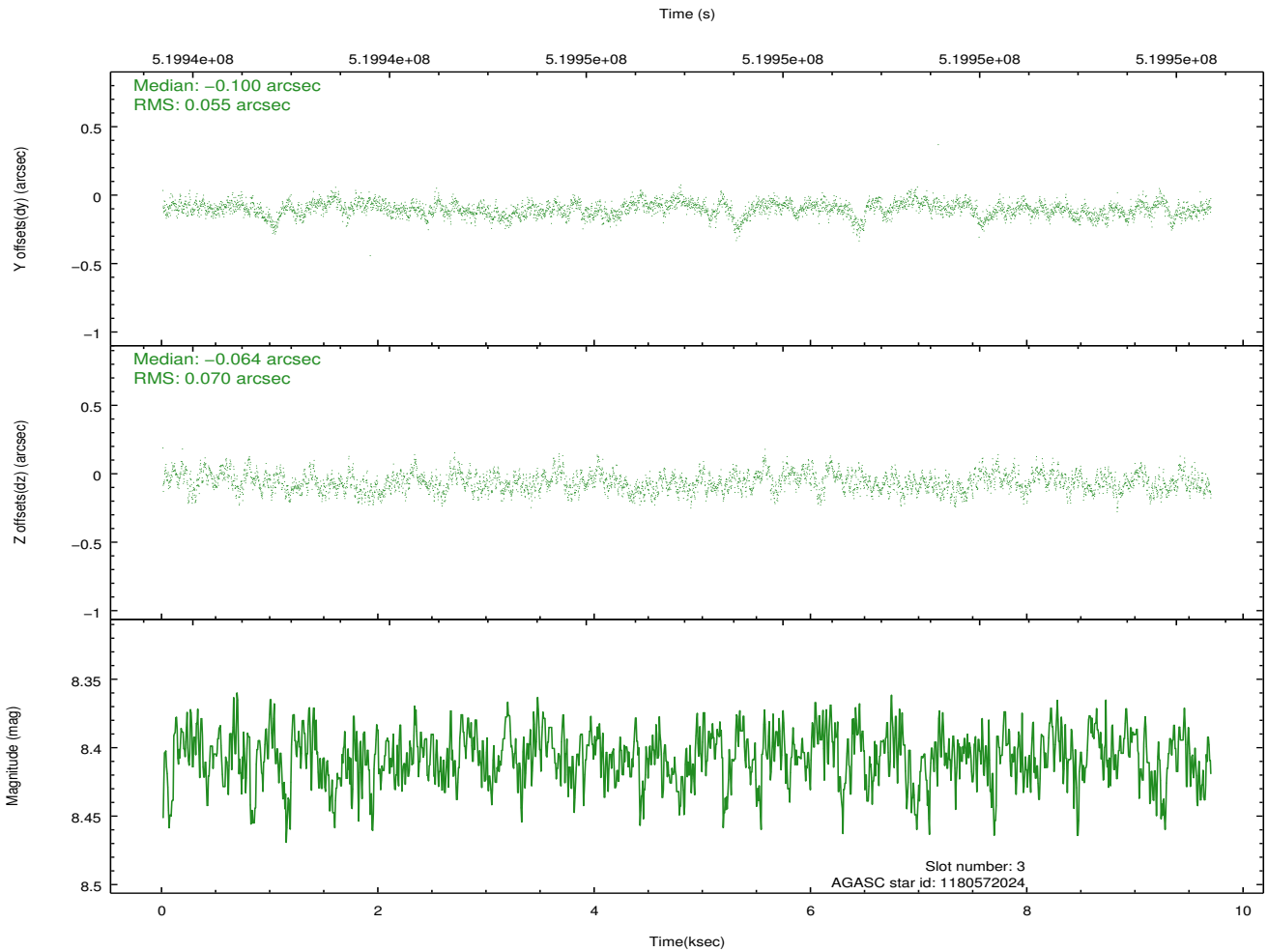
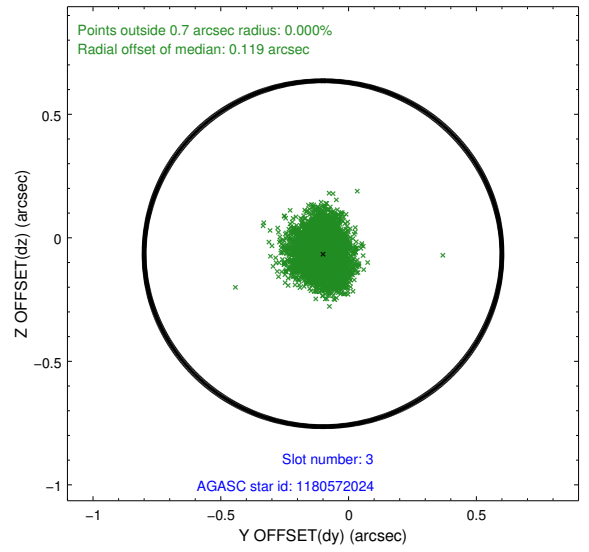
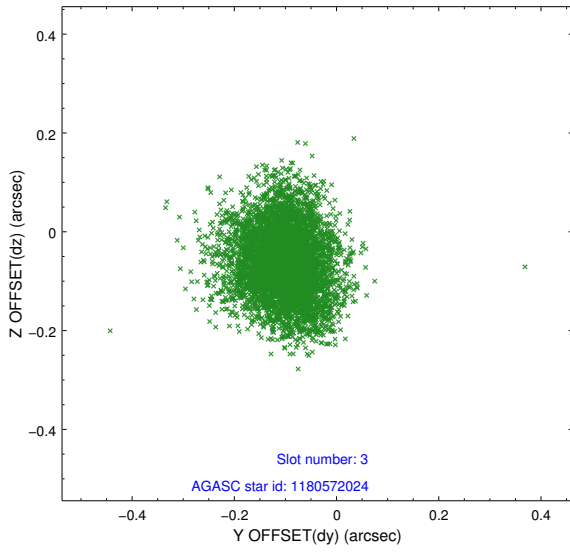
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	2363	-0.080	-0.030	0.008	0.013	0.000000	0.000000	-782.57	-1306.84
1	FID		HRC-I-3	7.08	2364	-0.181	-0.138	0.013	0.023	0.000000	0.000000	-1211.30	997.09
2	FID		HRC-I-4	7.00	2363	0.374	0.079	0.009	0.015	0.000000	0.000000	1260.35	995.69
3	GUIDE	used	1180572024	8.41	4727	-0.100	-0.064	0.094	0.152	220.930377	-60.981487	1272.73	1558.66
4	GUIDE	used	1180578936	9.08	4728	-0.059	-0.223	0.115	0.184	220.919358	-61.155393	1841.72	1296.29
5	GUIDE	used	1180589152	9.28	4726	0.038	0.229	0.120	0.193	219.760705	-61.382926	1830.81	-869.25
6	GUIDE	used	1180612104	9.01	4725	0.044	0.042	0.103	0.169	220.502279	-60.631704	-179.05	1354.64
7	GUIDE	used	1180603392	9.23	4723	0.067	0.012	0.154	0.251	221.526441	-61.206550	2427.48	2191.25

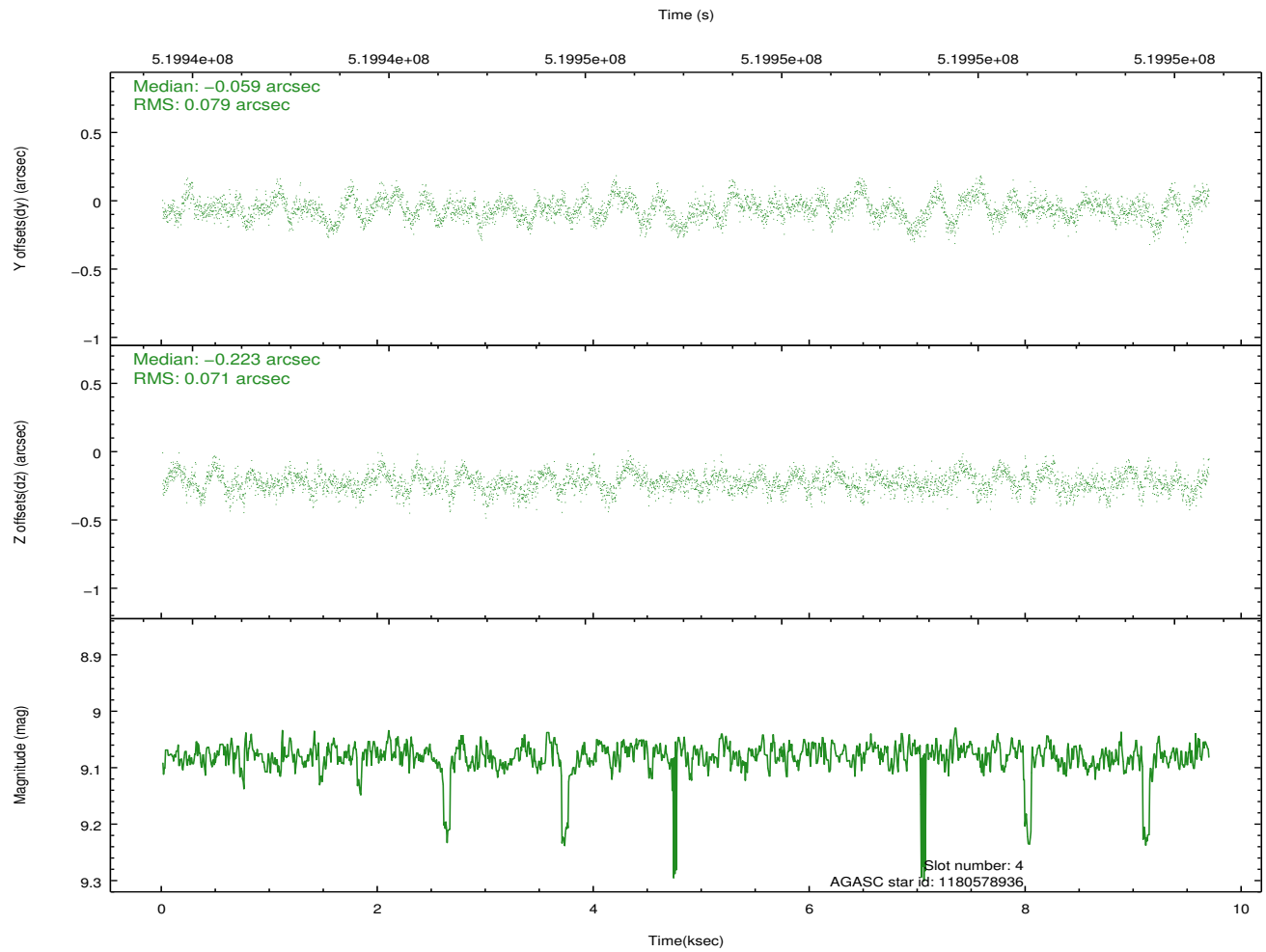
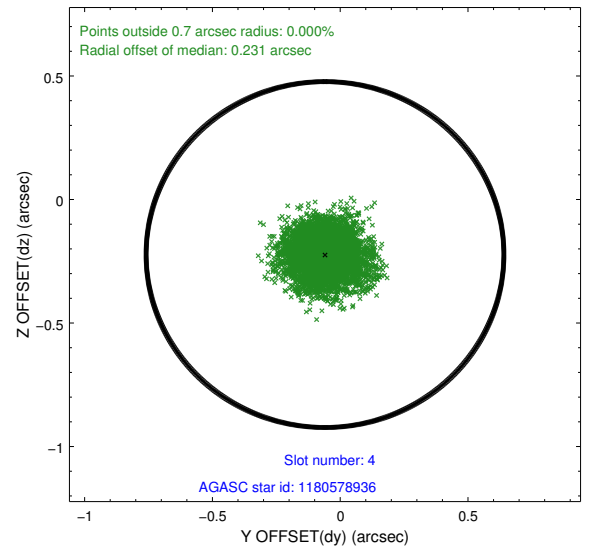
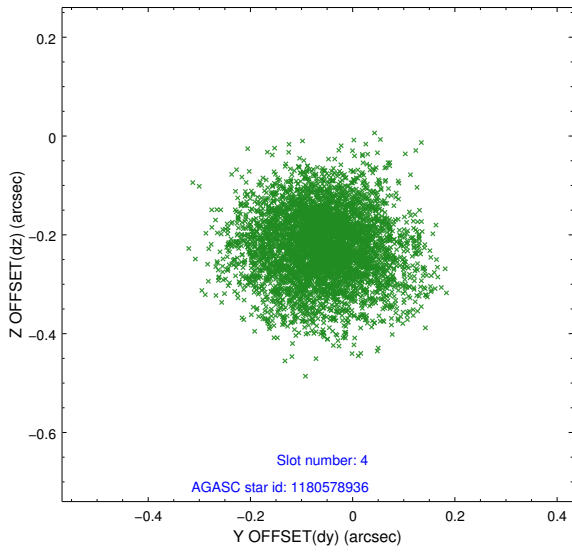
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2.4 Star Slots

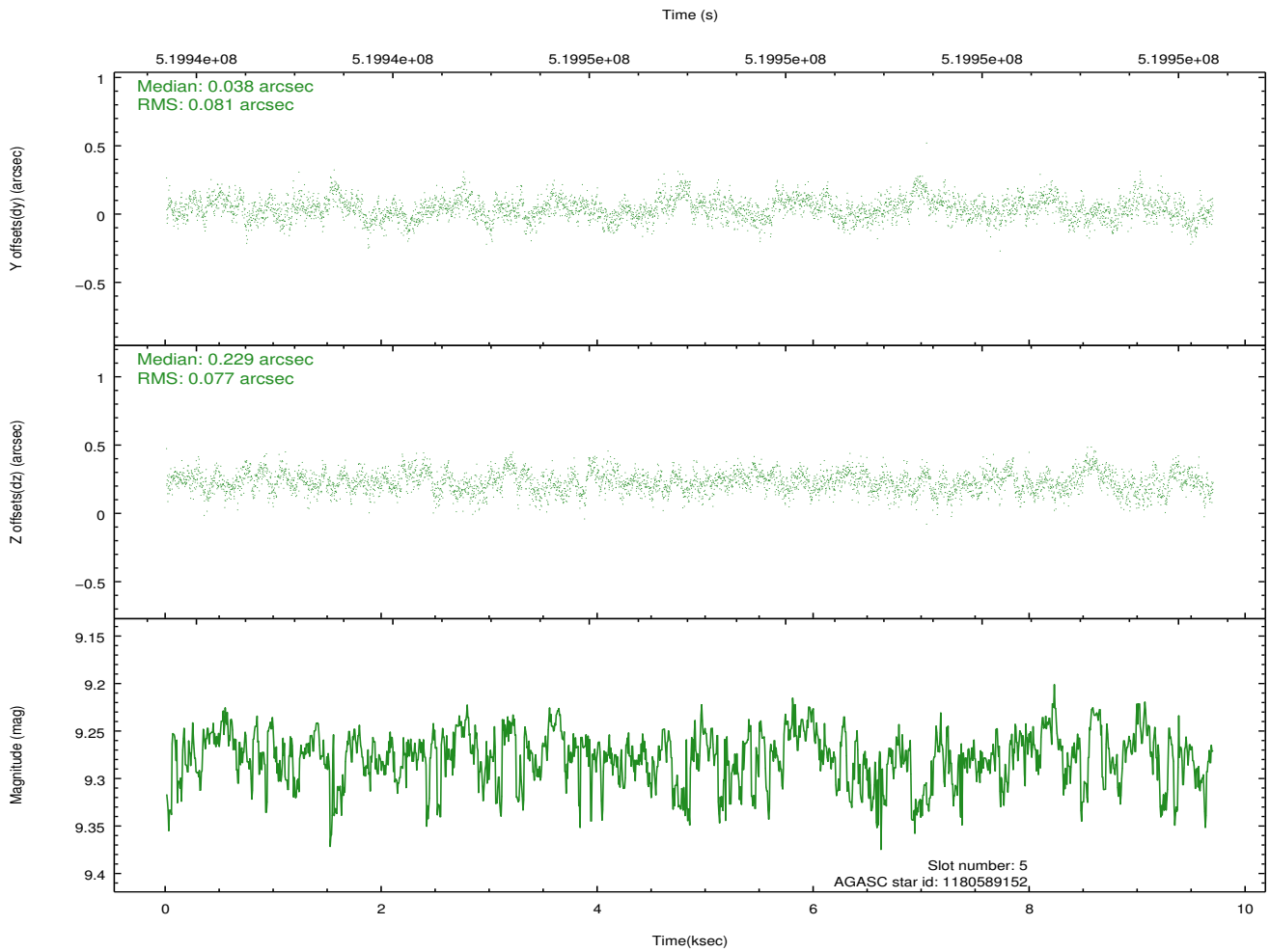
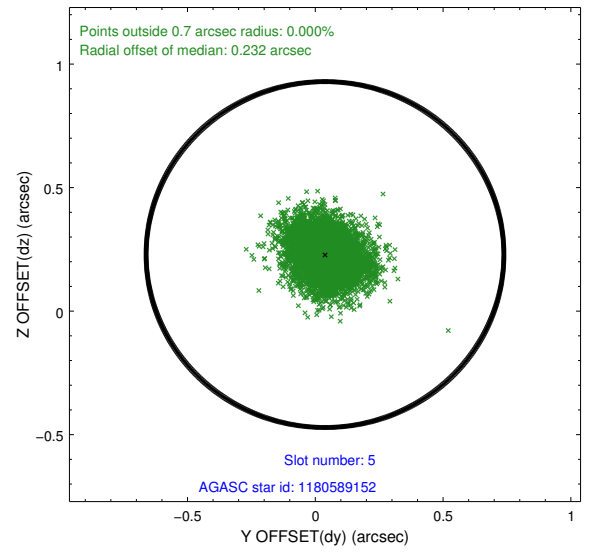
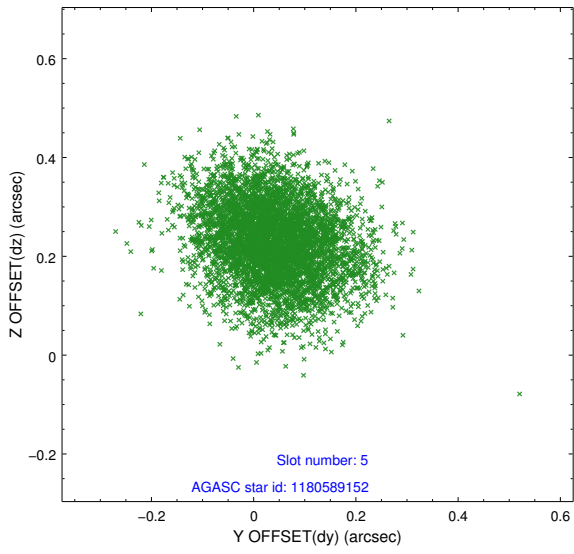
2.4.1 Slot 3



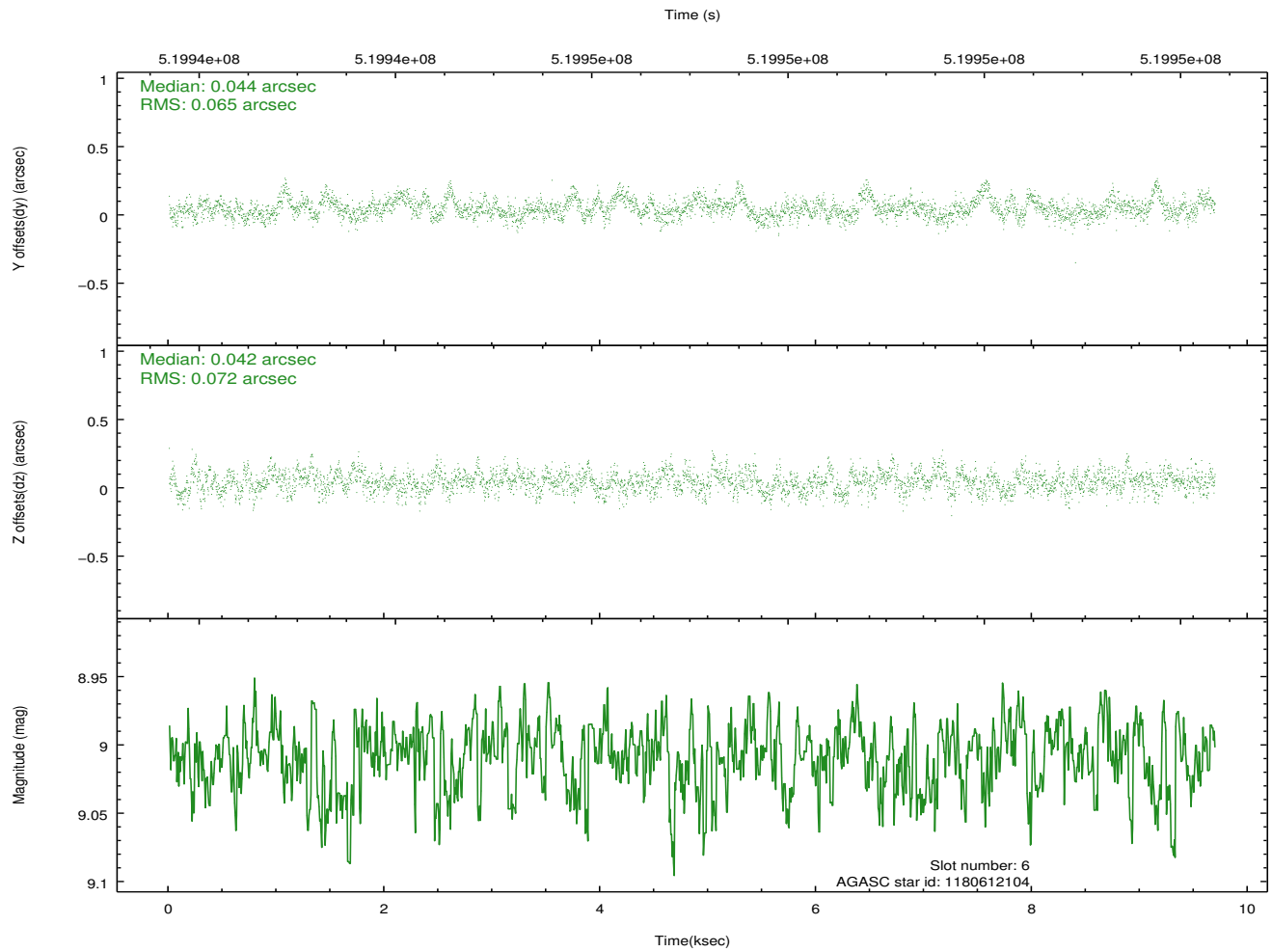
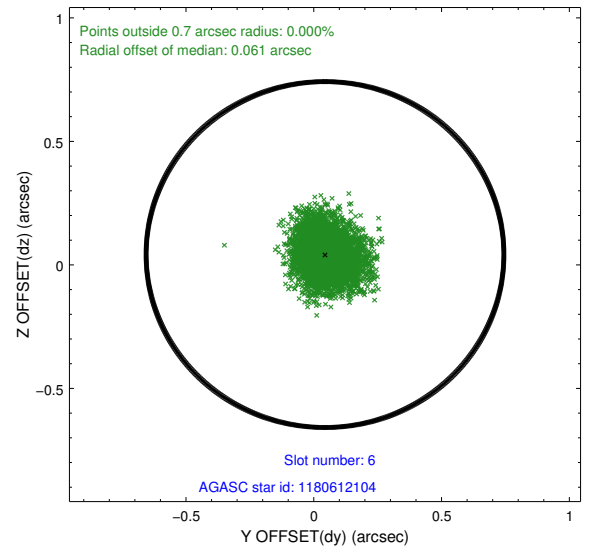
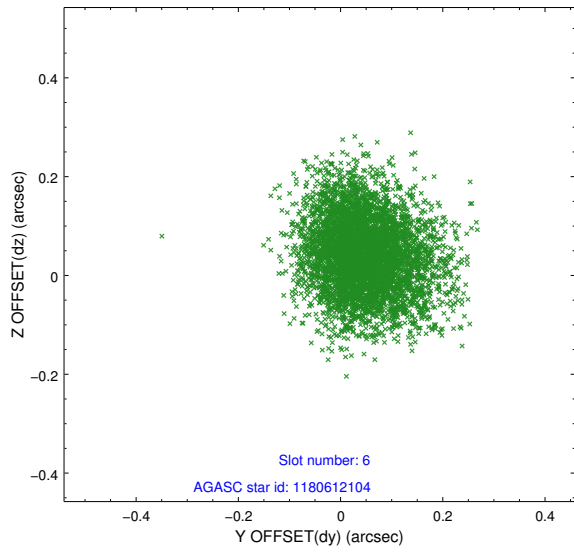
2.4.2 Slot 4



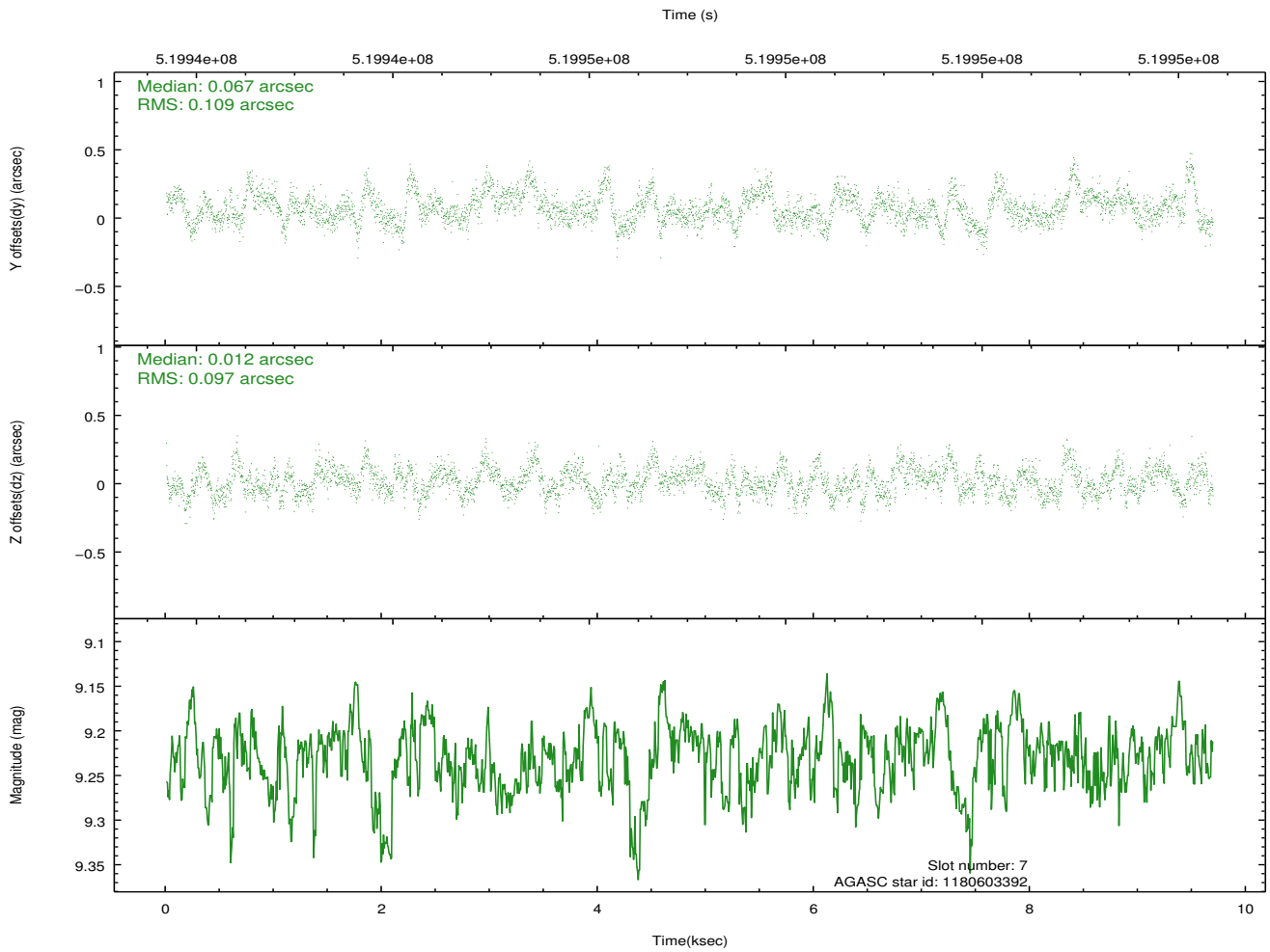
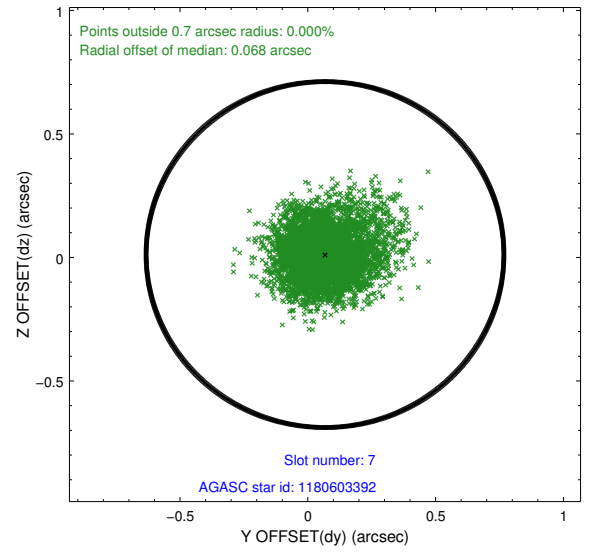
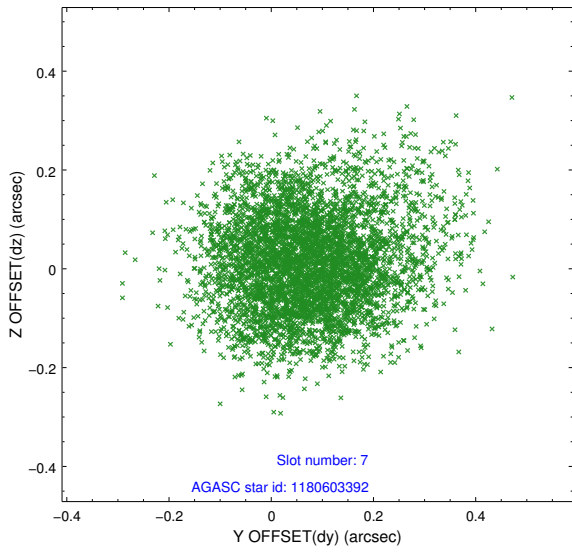
2.4.3 Slot 5



2.4.4 Slot 6

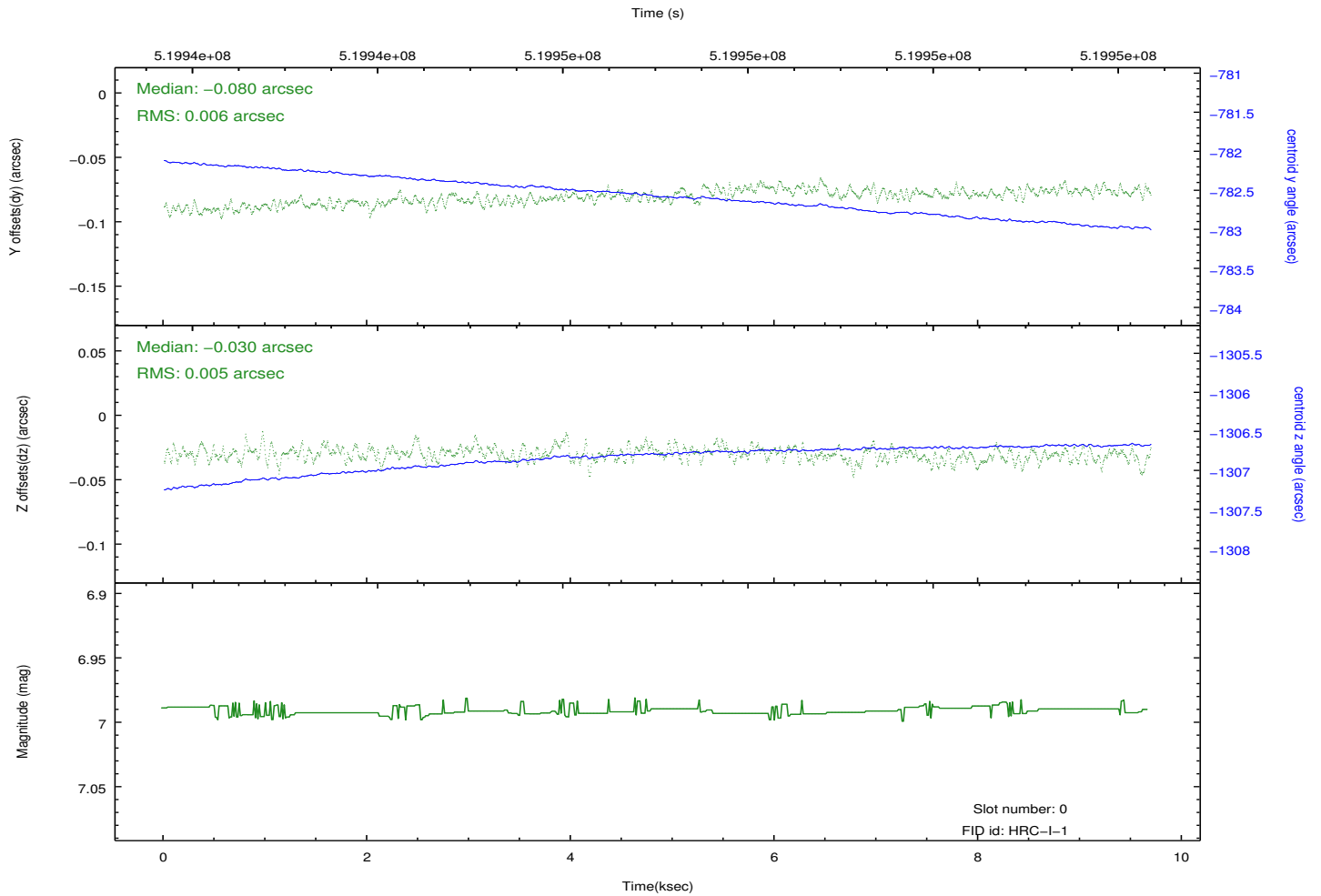
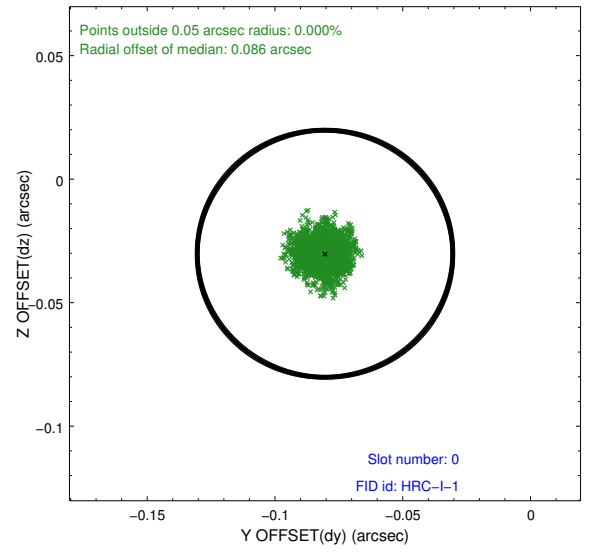
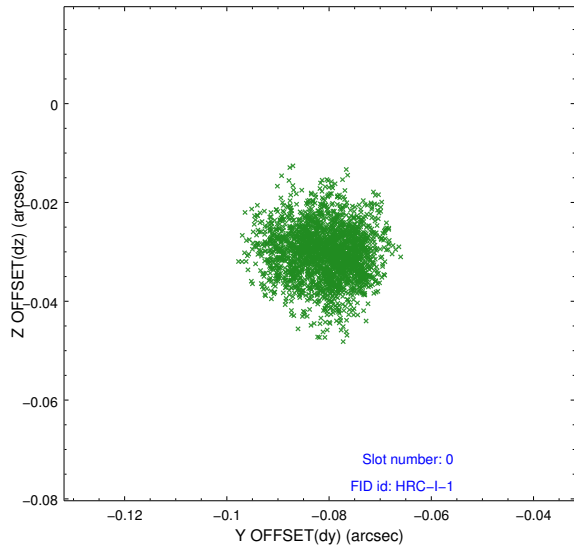


2.4.5 Slot 7

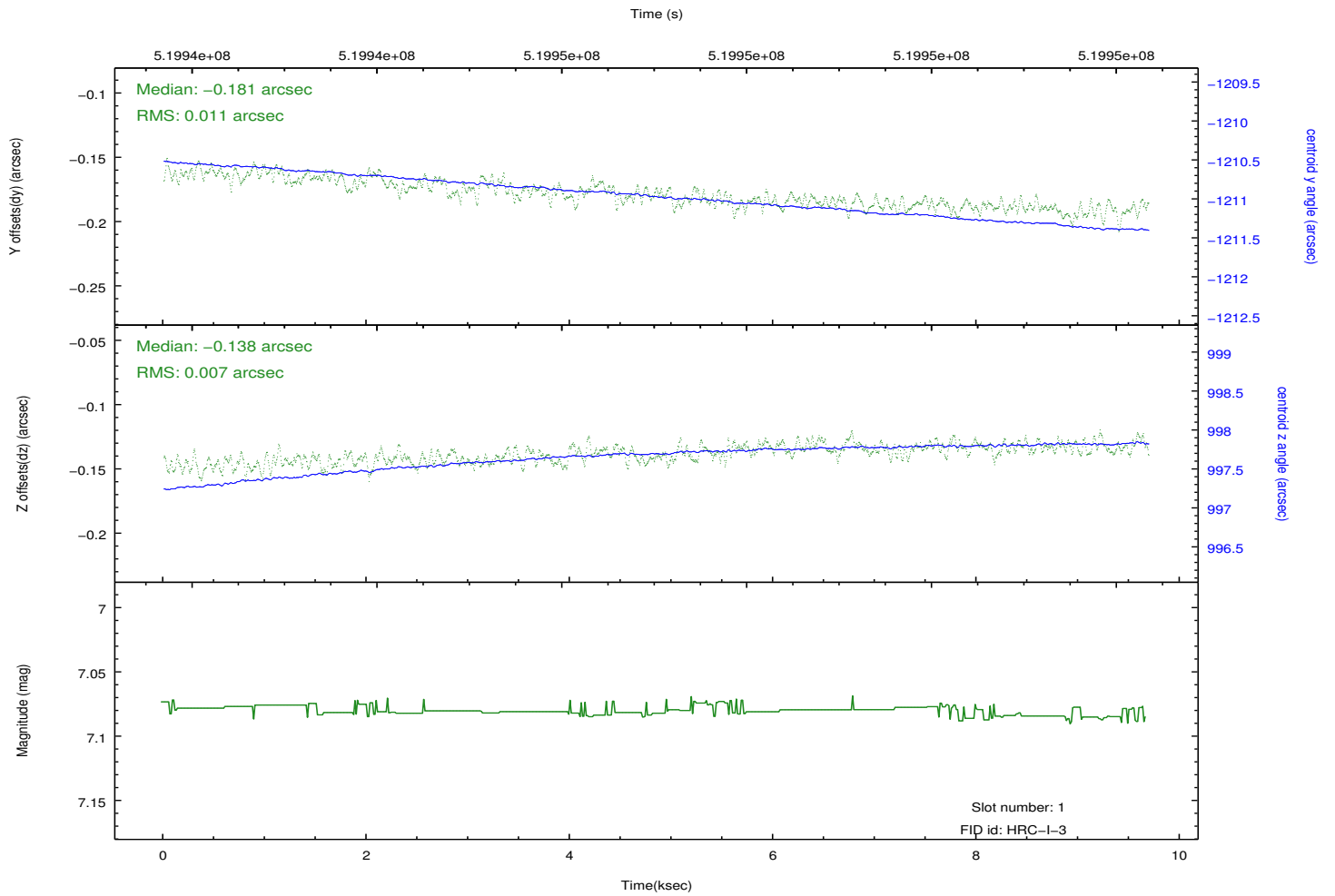
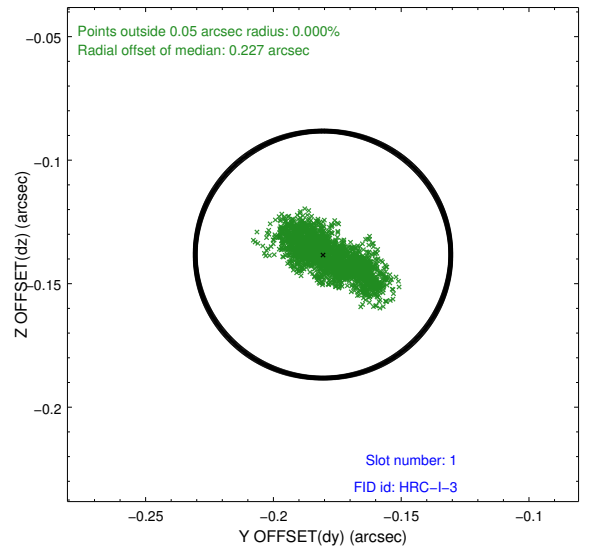
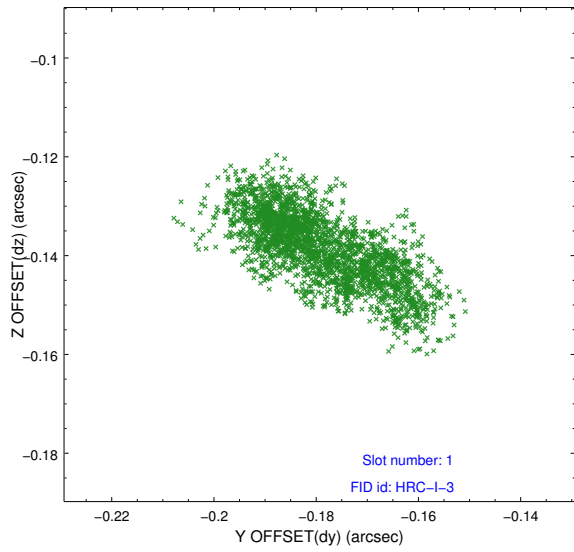


2.5 FID Slots

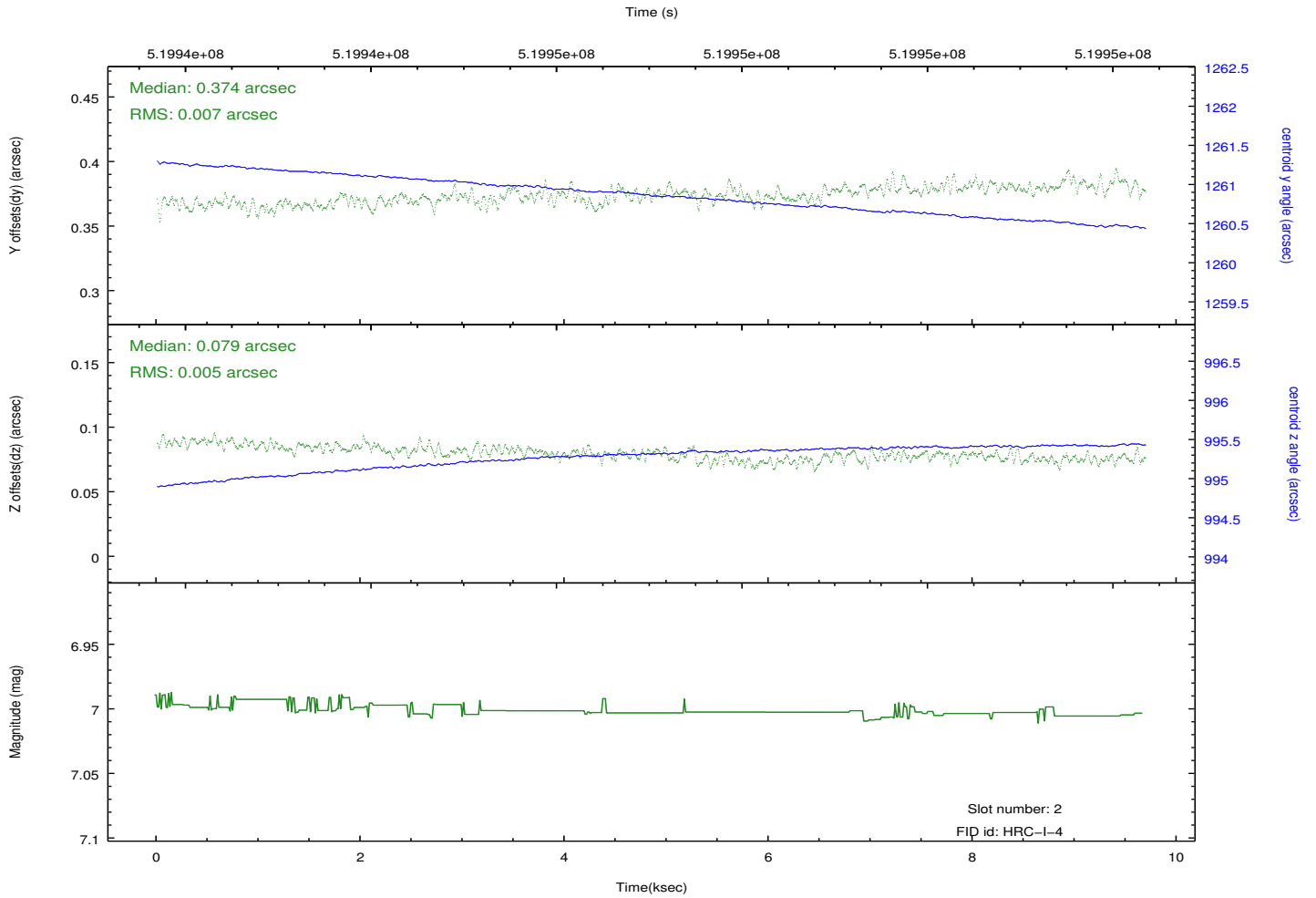
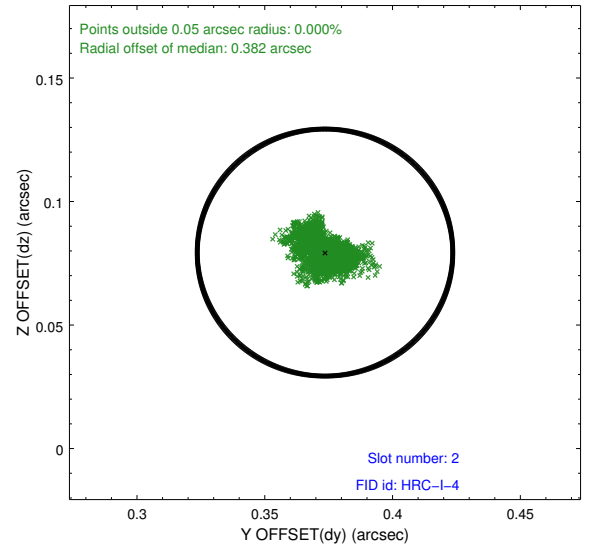
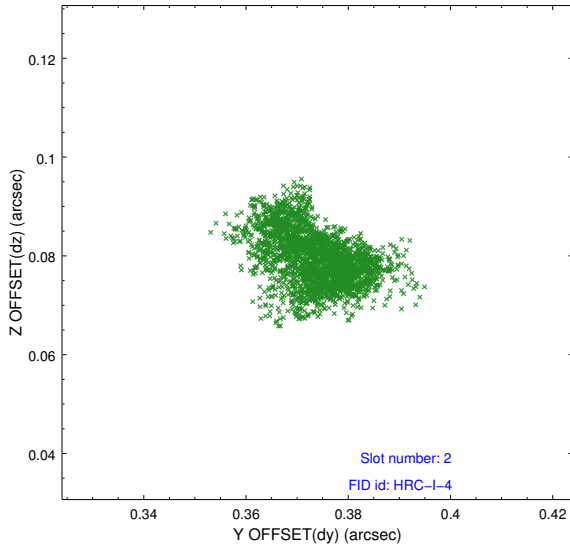
2.5.1 Slot 0



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)	2014.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.6895817863345

A.2 Comments

Joint Proposal with HST. Monitor constraint met.

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.