

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 14232 - L2 Version 2
Chandra X-Ray Center

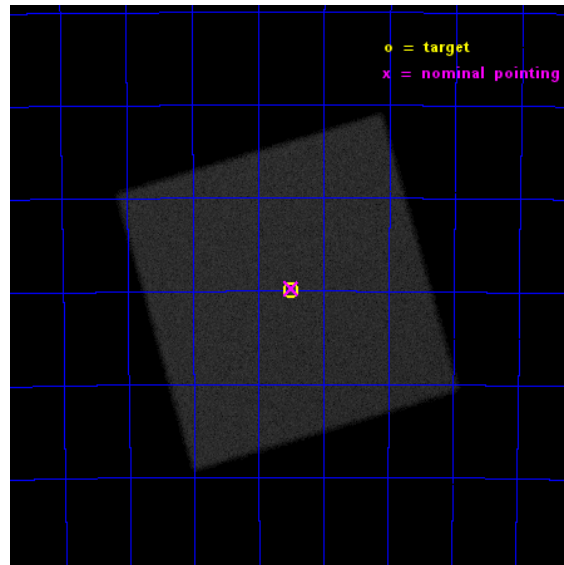
L2 Processing Date : Dec 8 2014

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1 Front

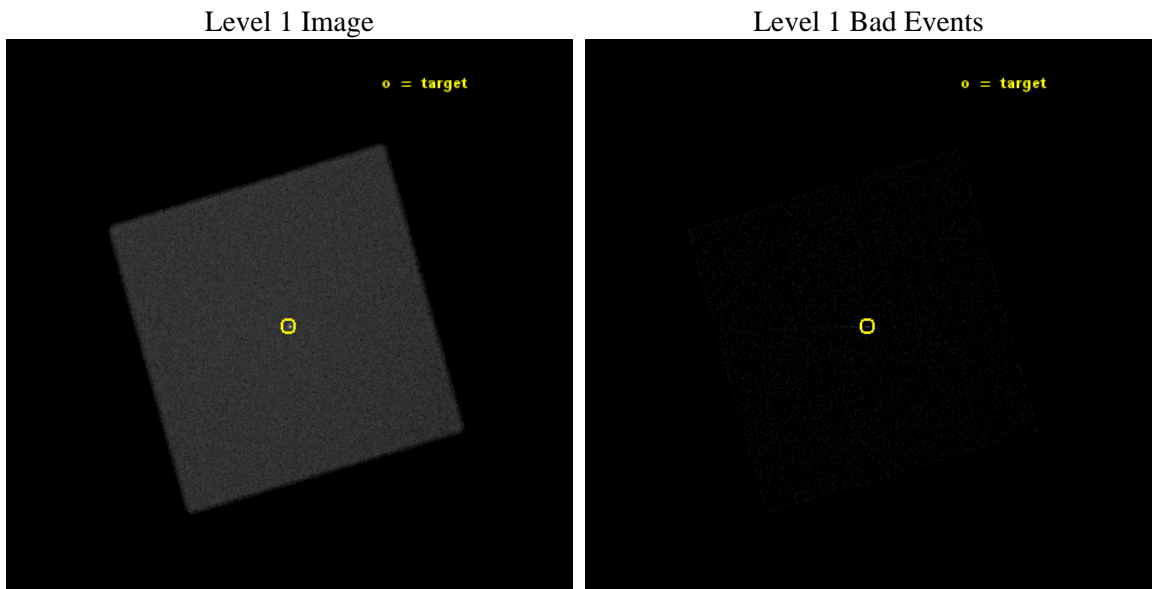
seq_num	200824	Sequence number
obs_id	14232	Observation id
title	Alpha Cen: Climbing out of a Coronal Recession?	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.874167	Observer's specified target RA [deg]
dec_targ	-60.833139	Observer's specified target Dec [deg]
ra_nom	219.87321889448	Nominal RA [deg]
dec_nom	-60.828942614537	Nominal Dec [deg]
roll_nom	118.85212422577	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10125.97555536	[s]
livetime	10050.664773151	Ontime multiplied by DTCOR
l2events	592371	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	10125.97555536	[s]
caldsver	4.6.4	 	l1events	925354	Number of level 1 events
date	2014-12-08T09:50:42	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

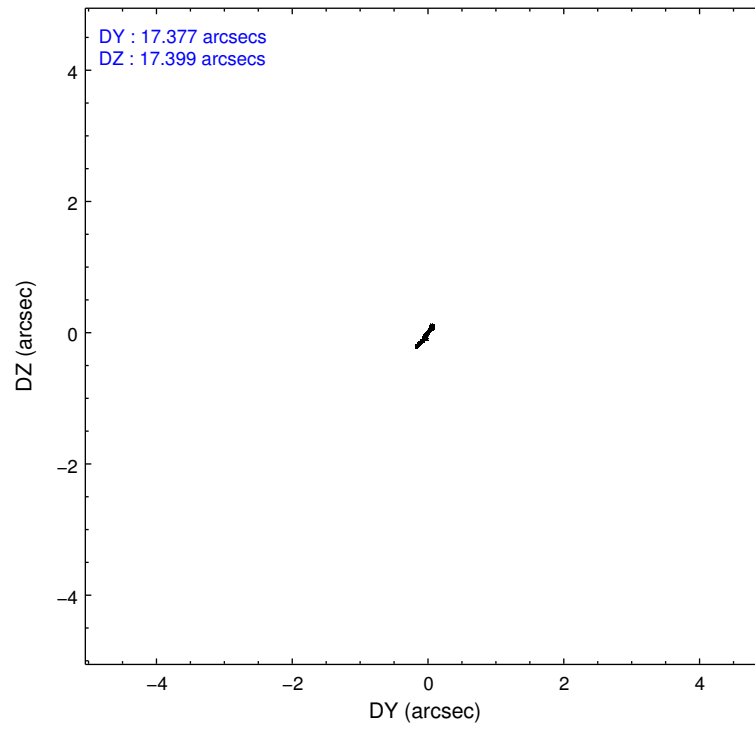
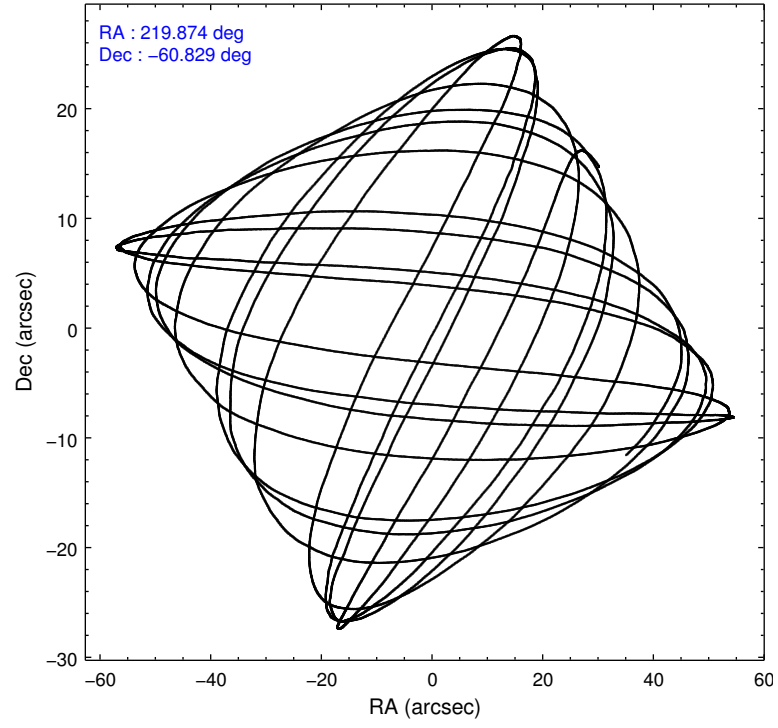
Level 1 Events

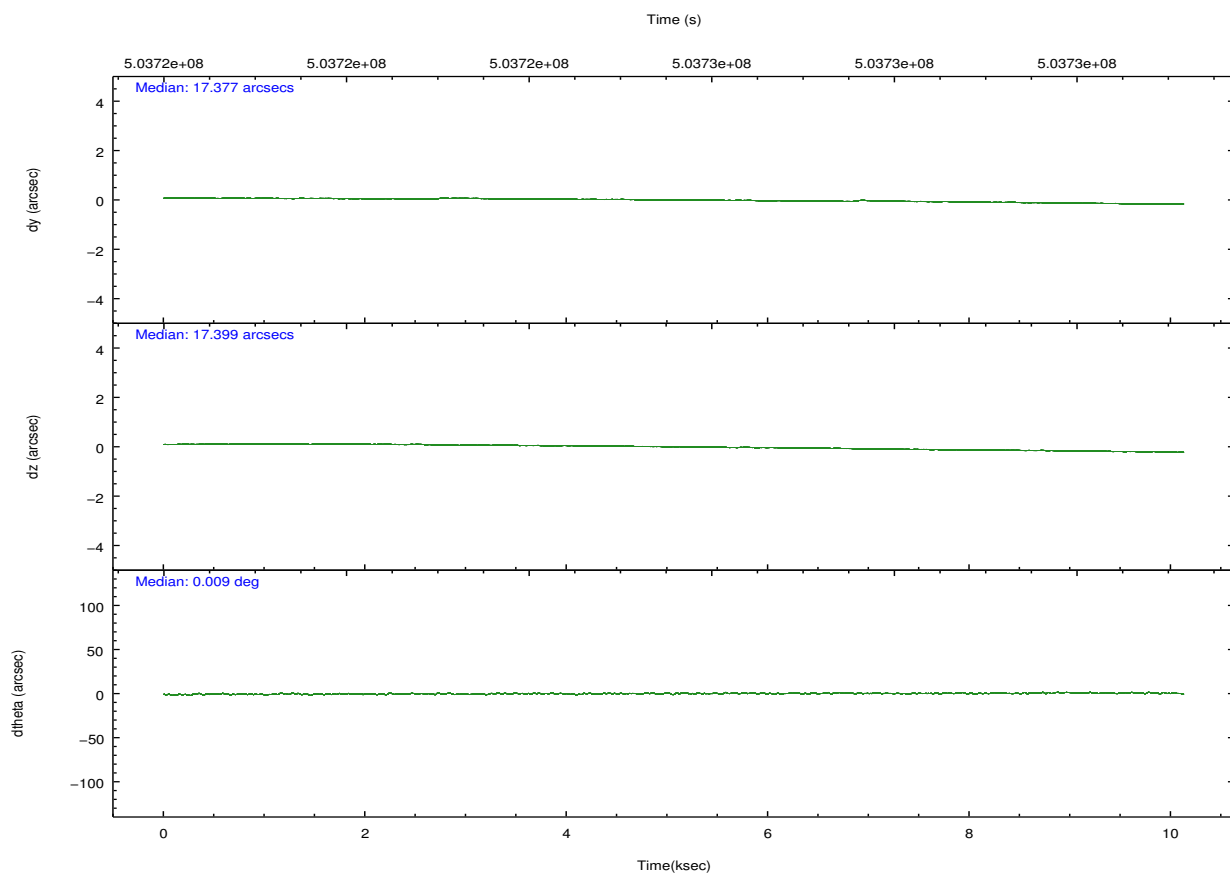
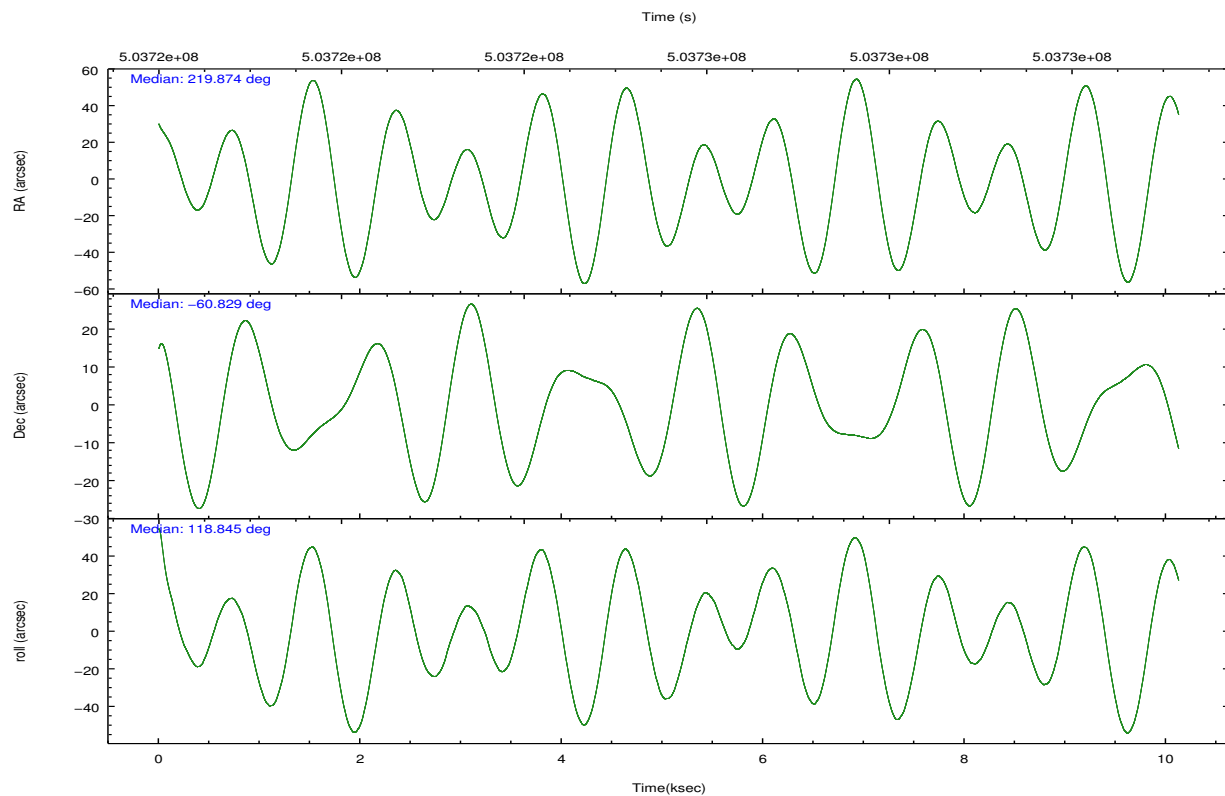
	segment 0
level 1 events	925354
rejected events	134111
rejected %	14%

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	219.921510	219.8732188944754			
[deg] Pointing Dec	-60.842473	-60.82894261453689			
[deg] Pointing Roll	118.989753	118.8521242257662			
[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)	503720644.184000	503719223.56547			
Observation start date	2013-12-18T02:22:57	2013-12-18T02:00:23			
[s] Observation end time (MET)	503730644.184000	503731118.17862			
Observation end date	2013-12-18T05:09:37	2013-12-18T05:18:38			

2.3 Aspect



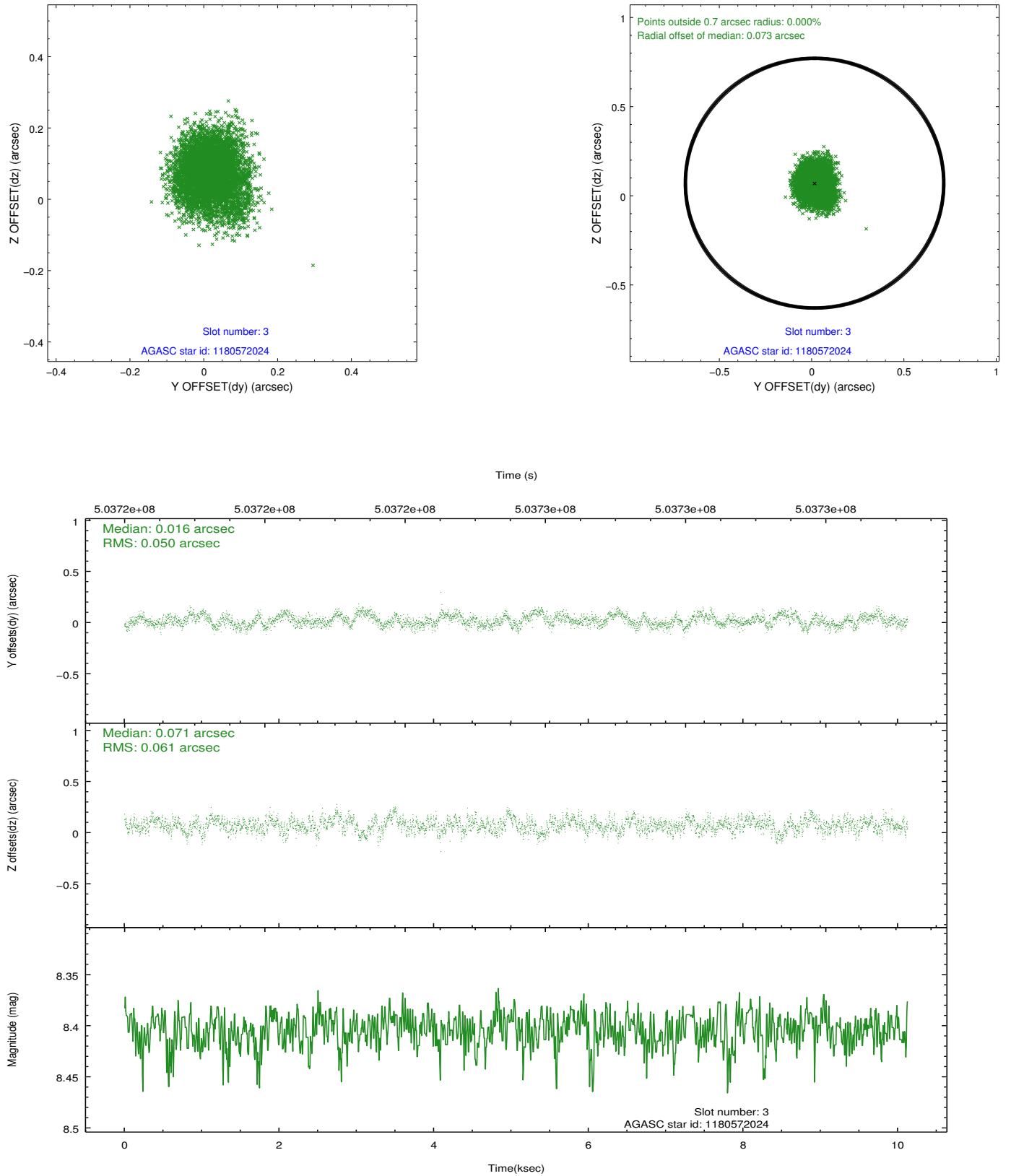


Slot Statistics

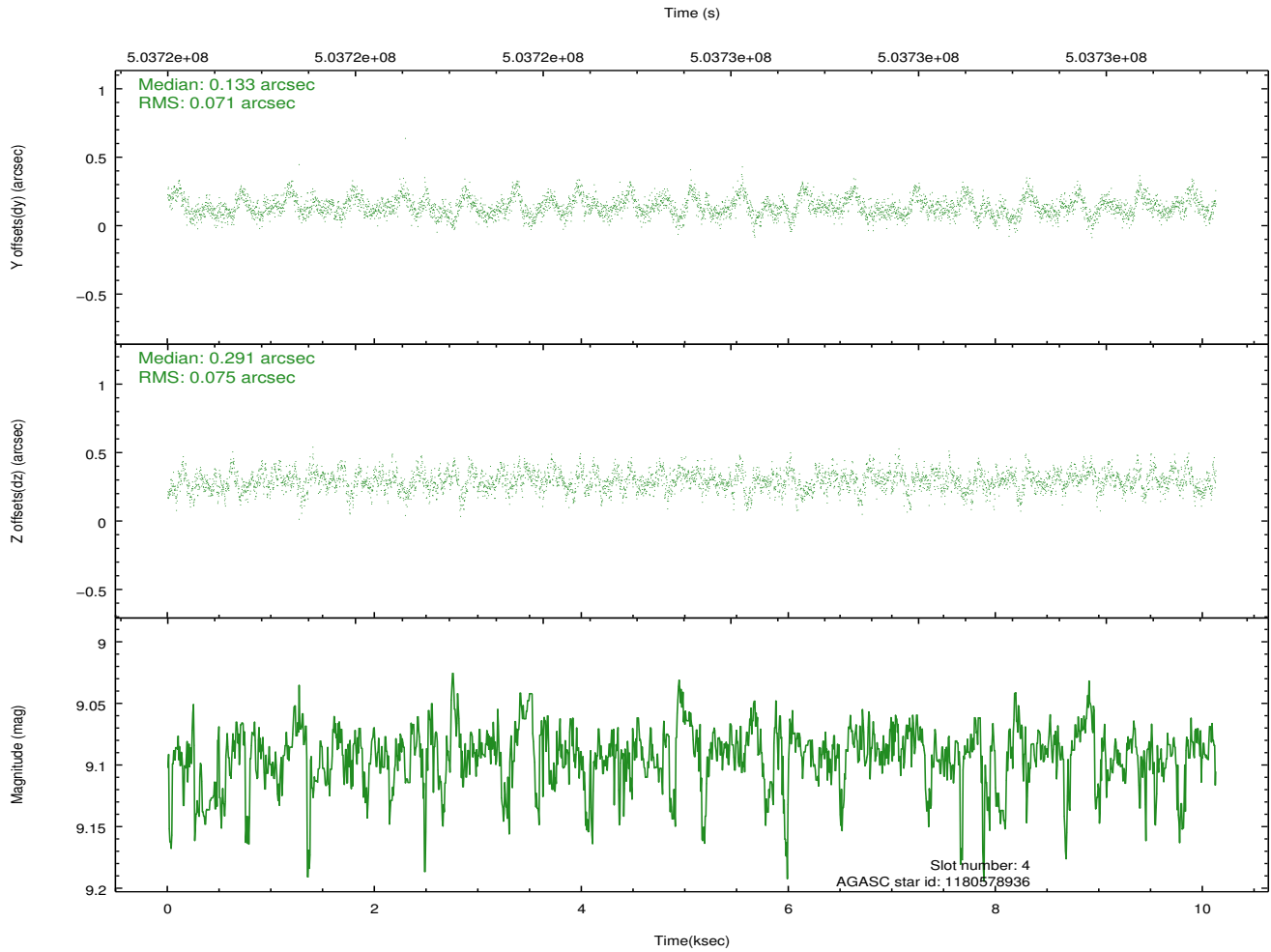
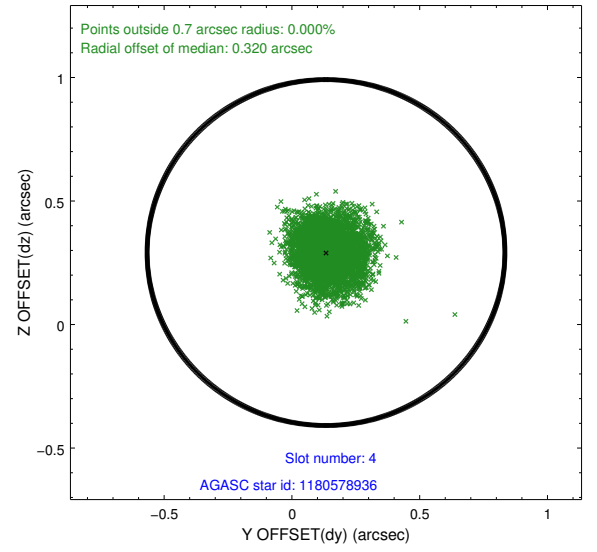
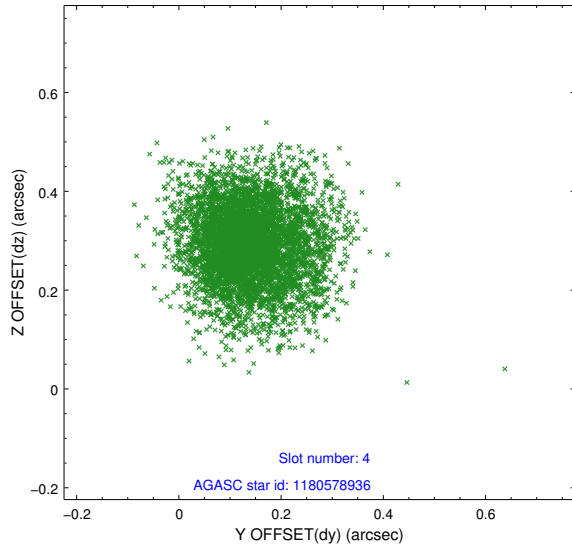
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.97	2470	-0.085	0.068	0.007	0.013	0.000000	0.000000	-773.32	-1305.46
1	FID		HRC-I-2	7.00	2470	0.253	-0.152	0.007	0.013	0.000000	0.000000	839.34	-1307.78
2	FID		HRC-I-3	7.05	2470	-0.049	-0.005	0.006	0.011	0.000000	0.000000	-1201.42	998.51
3	GUIDE	used	1180572024	8.40	4940	0.016	0.071	0.085	0.135	220.930377	-60.981487	-1302.82	-1291.20
4	GUIDE	used	1180578936	9.09	4940	0.133	0.291	0.109	0.182	220.919358	-61.155393	-1836.36	-962.90
5	GUIDE	used	1180579504	9.58	4937	-0.048	-0.099	0.155	0.249	219.500103	-61.658654	-2223.41	2055.43
6	GUIDE	used	1180589152	9.27	4939	0.068	-0.280	0.112	0.179	219.760705	-61.382926	-1567.90	1186.42
7	GUIDE	used	1180612104	8.98	4937	-0.177	0.021	0.101	0.164	220.502279	-60.631704	162.92	-1261.32

2.4 Star Slots

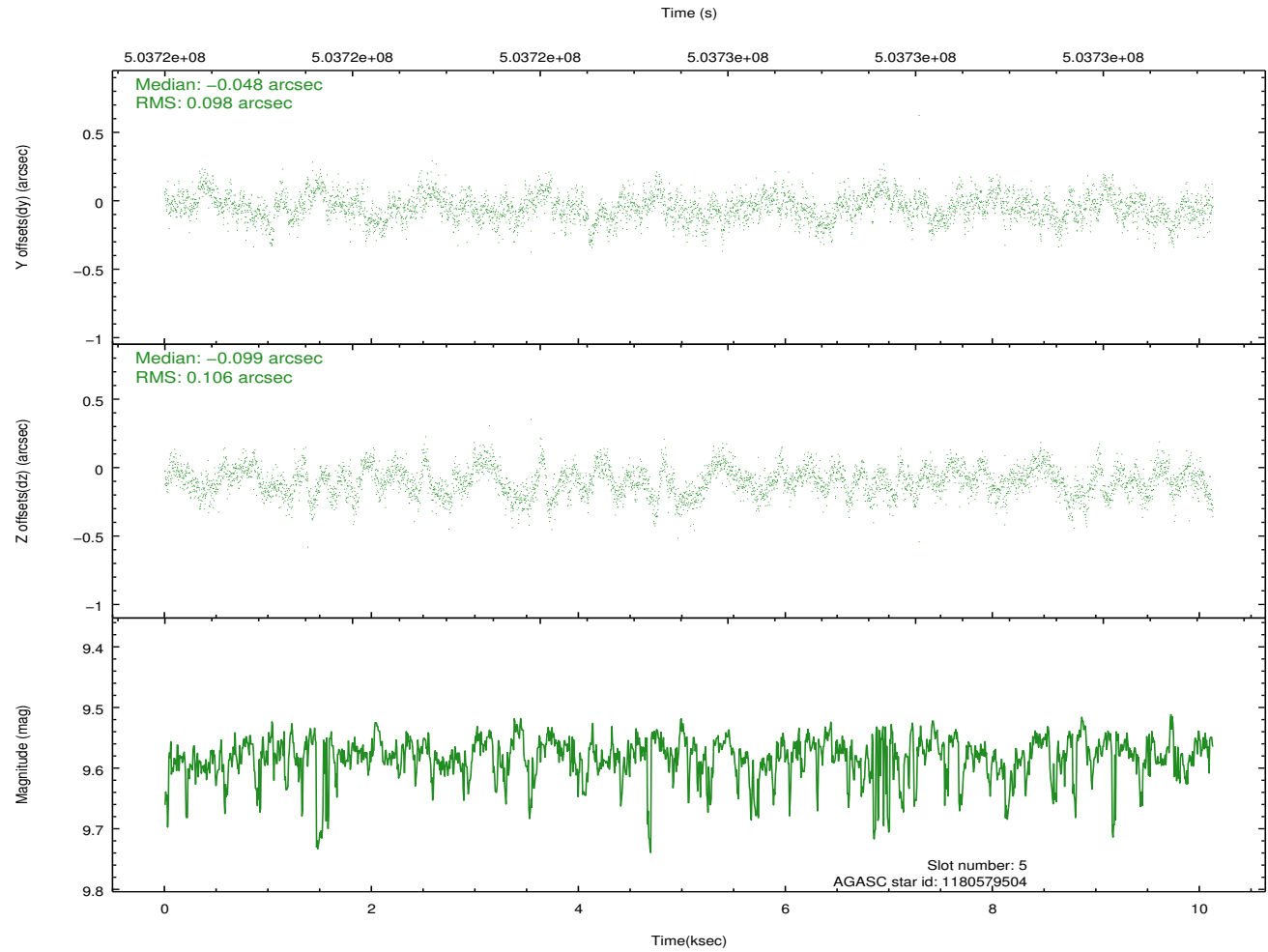
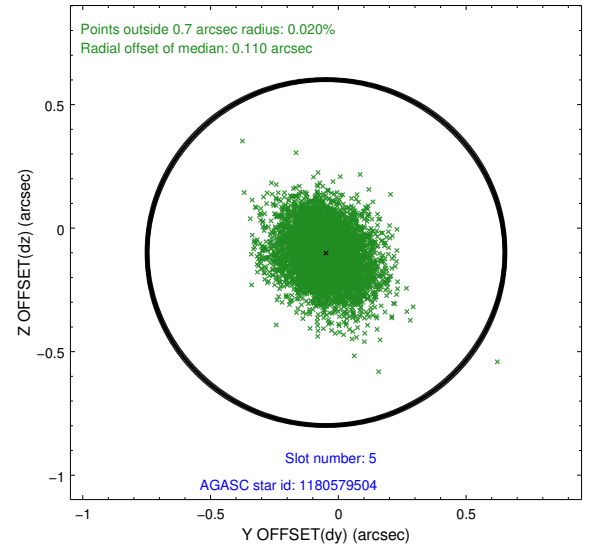
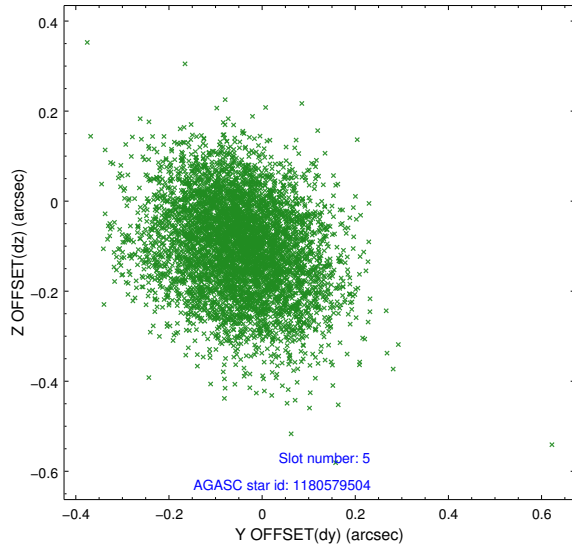
2.4.1 Slot 3



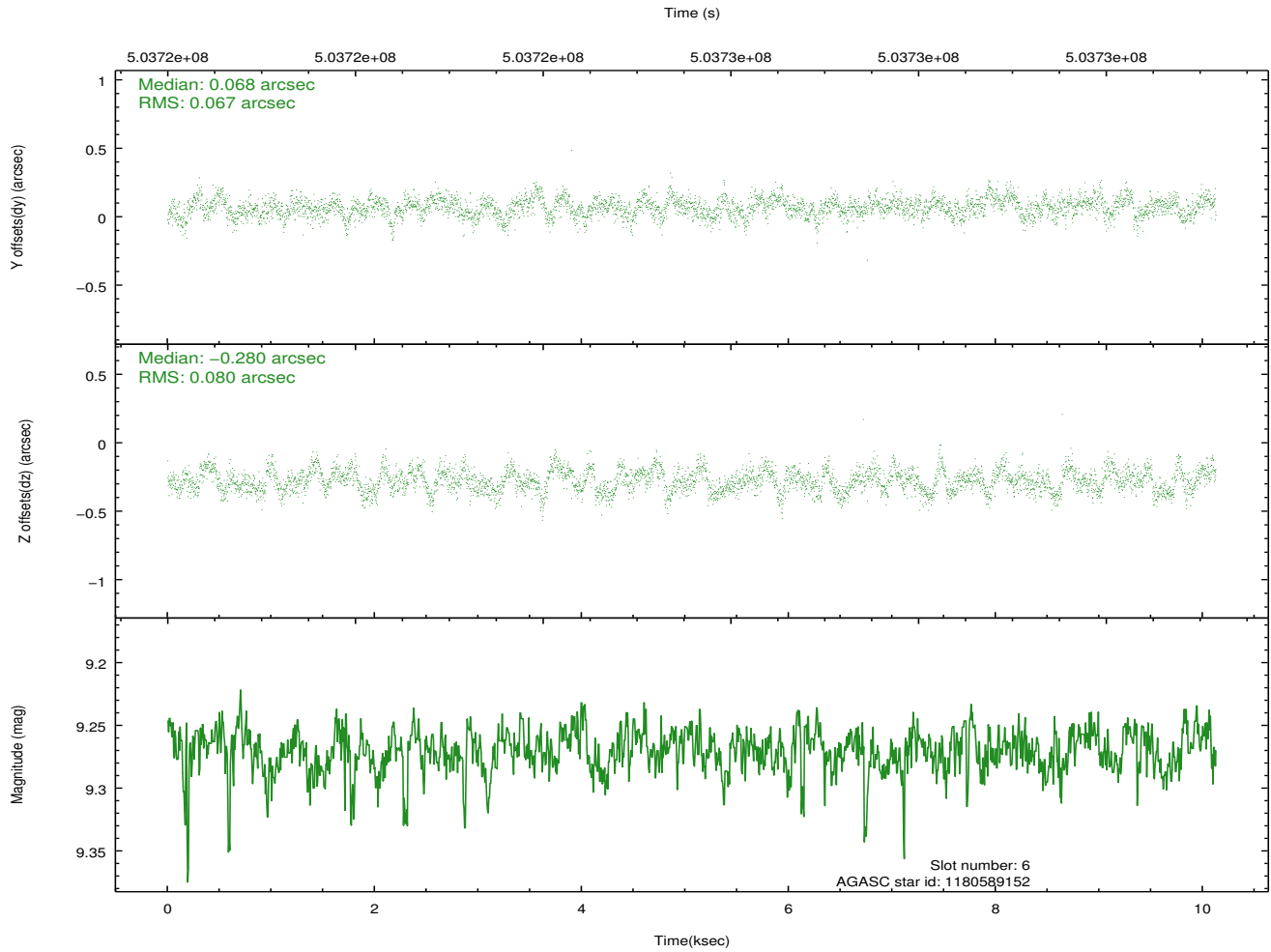
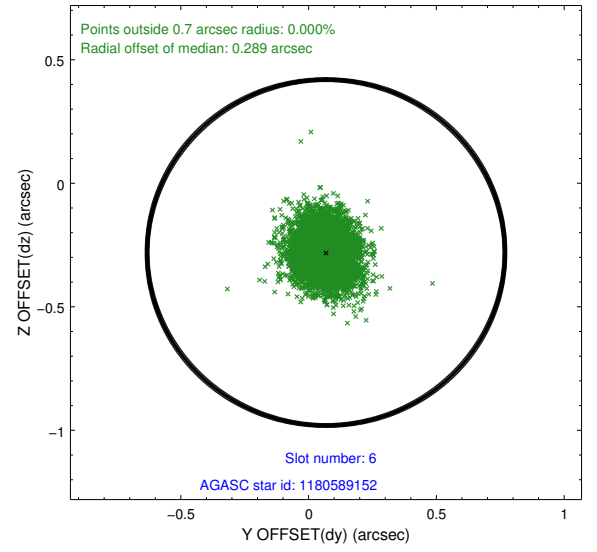
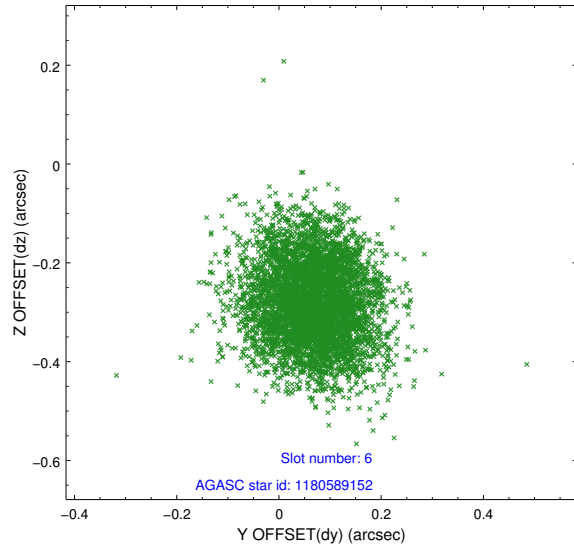
2.4.2 Slot 4



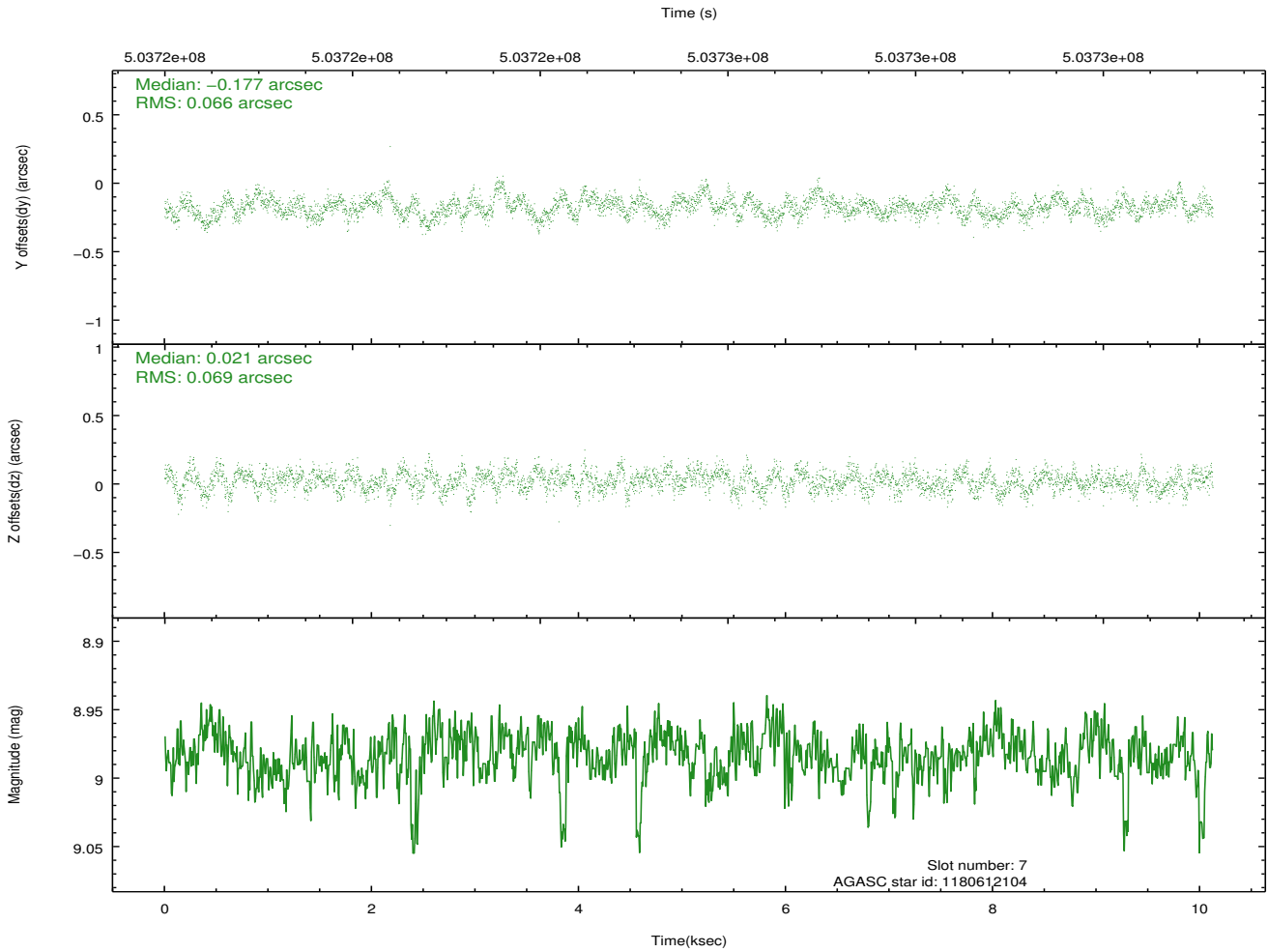
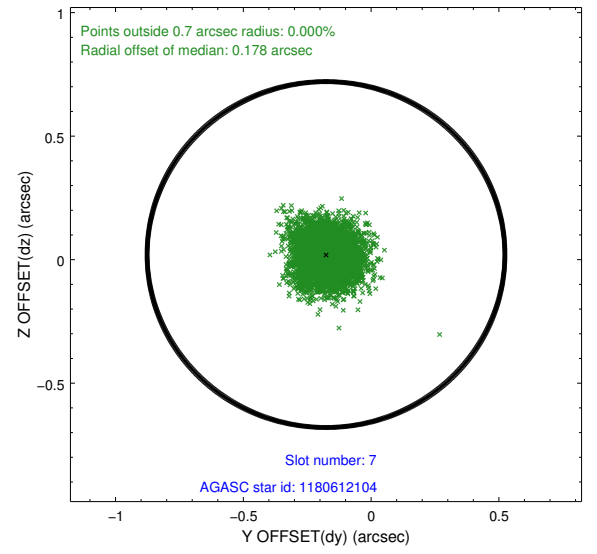
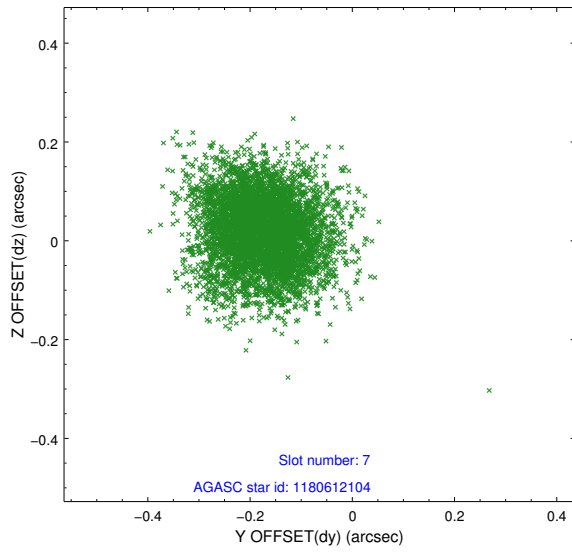
2.4.3 Slot 5



2.4.4 Slot 6

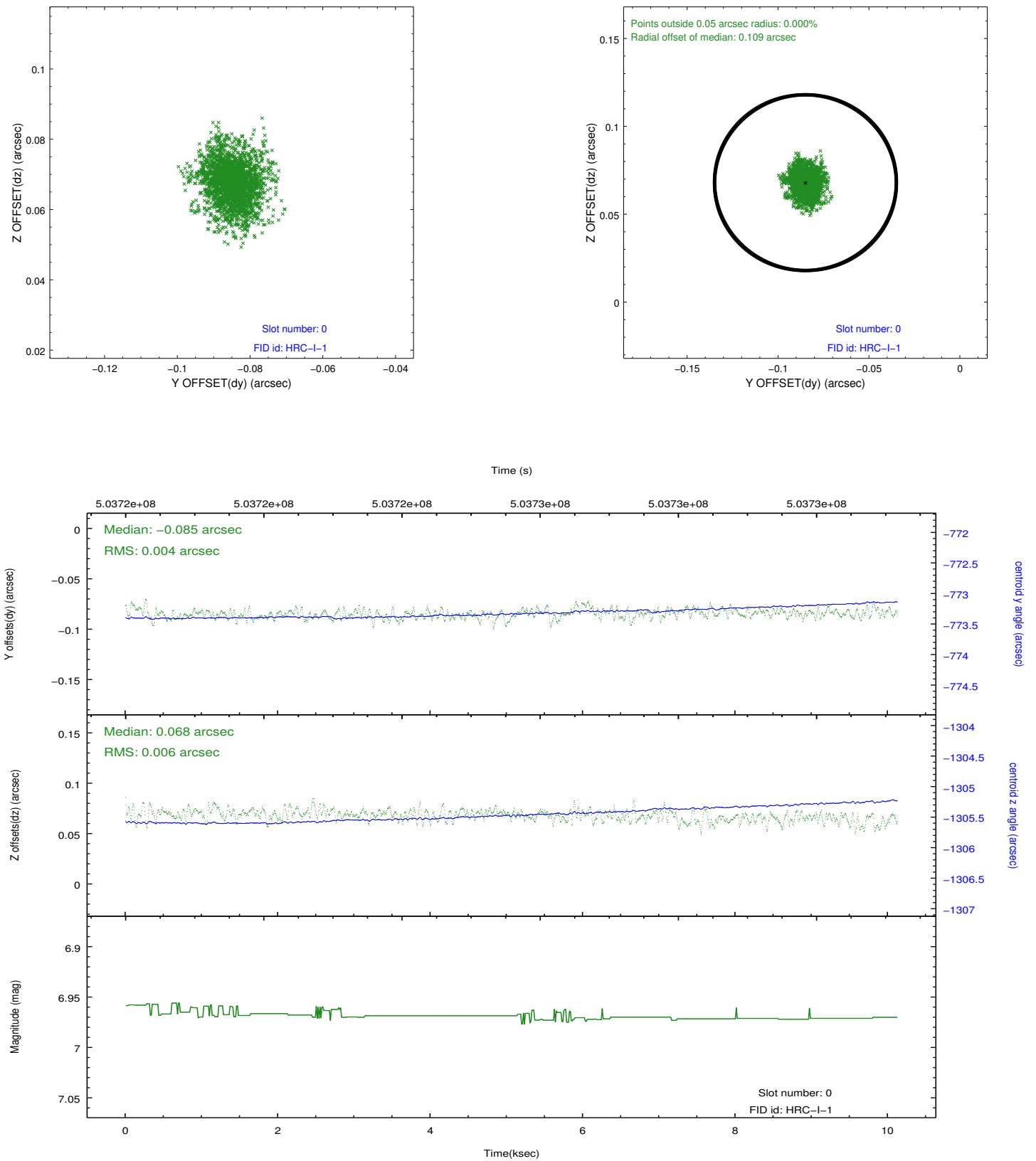


2.4.5 Slot 7

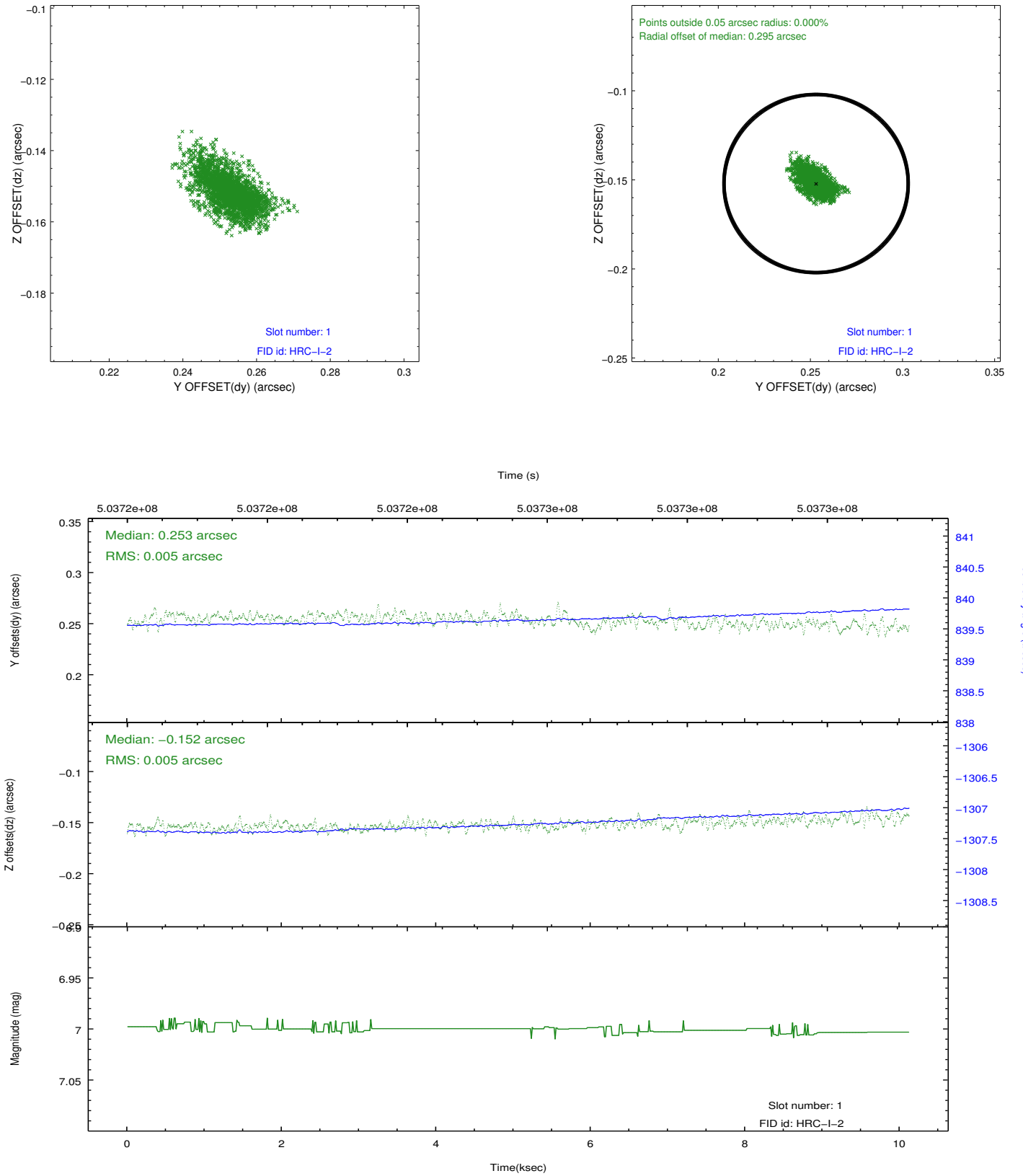


2.5 FID Slots

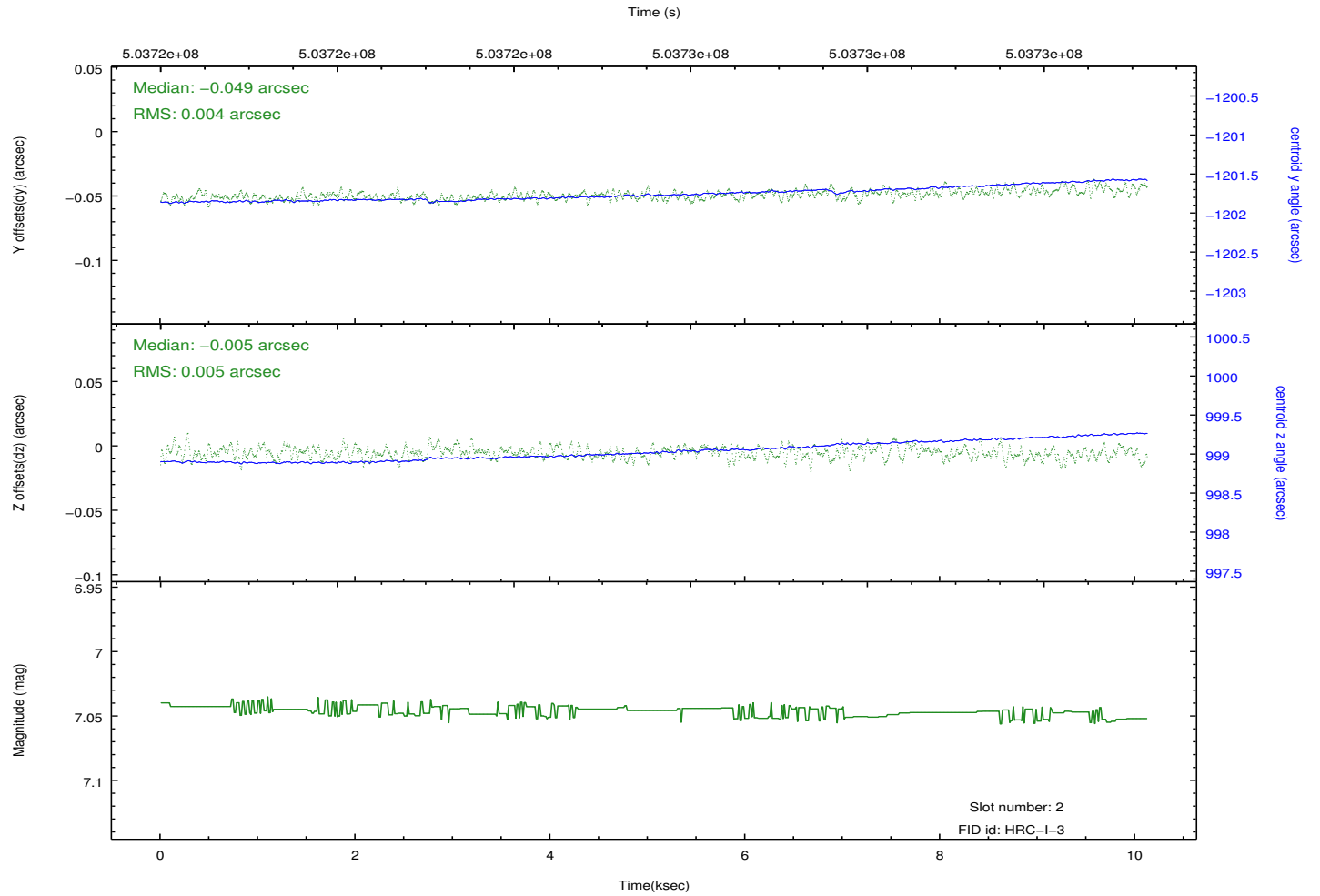
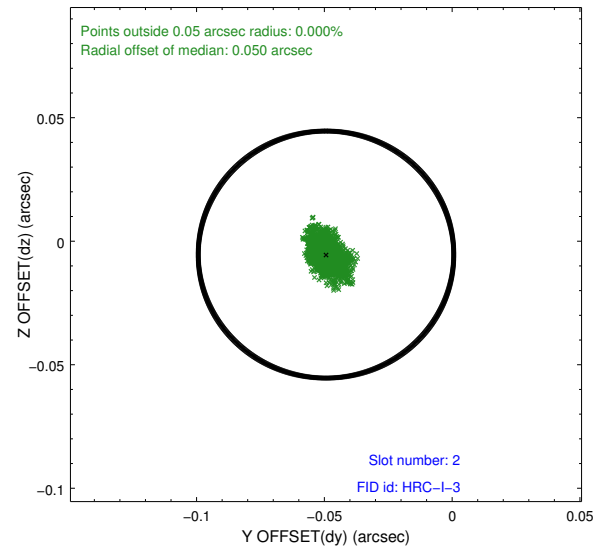
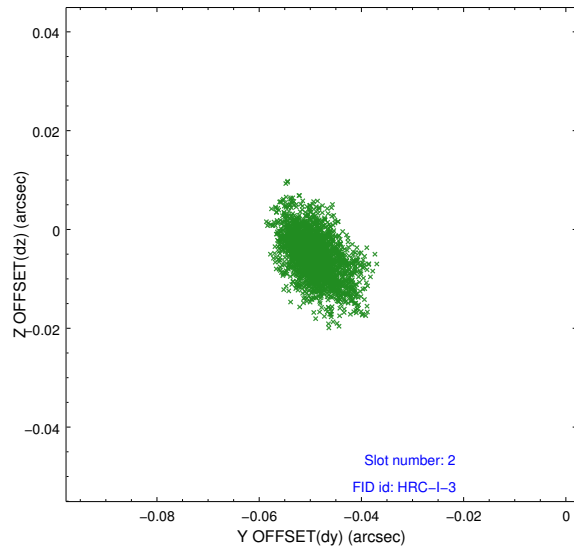
2.5.1 Slot 0



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)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.12597555536

A.2 Comments

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.