

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14549 - L2 Version 2
Chandra X-Ray Center

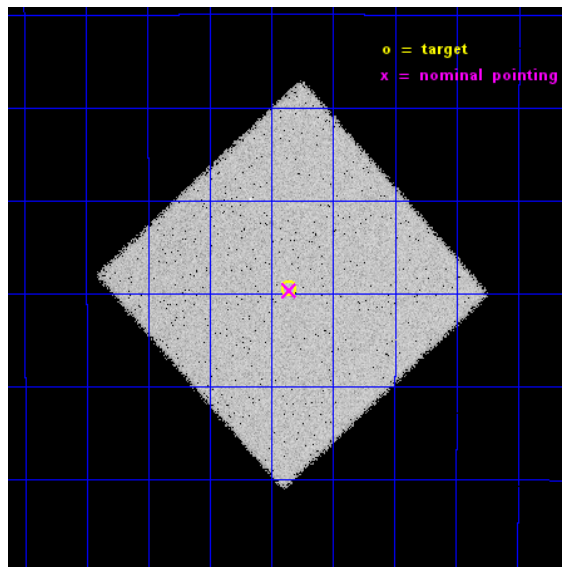
L2 Processing Date : Dec 3 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

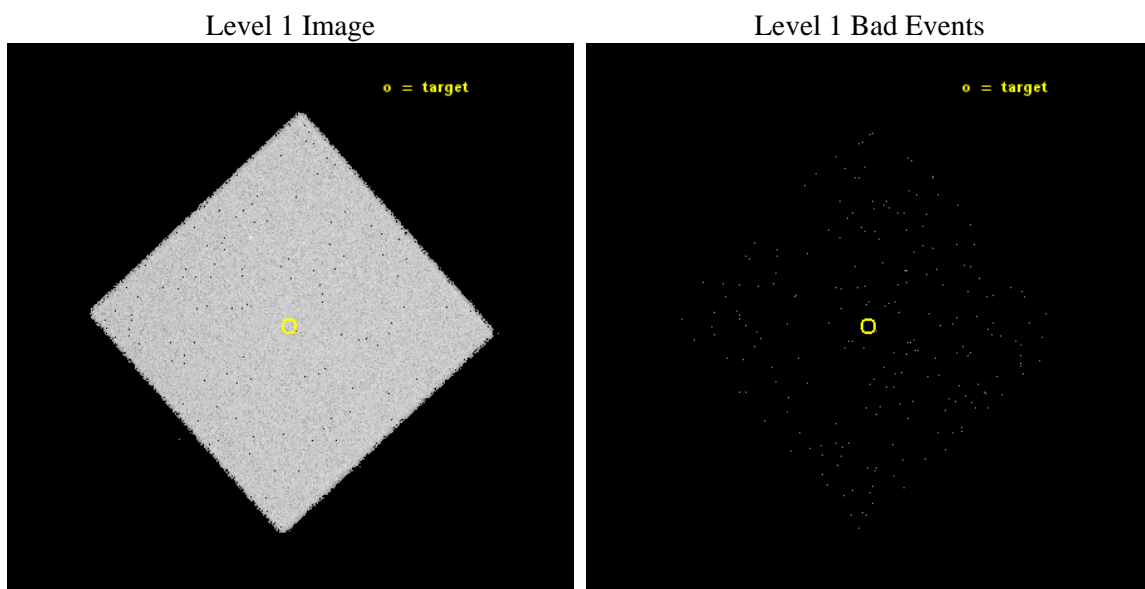
seq_num	200850	Sequence number
obs_id	14549	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	BD-22 3804	Source name
ra_targ	218.089583	Observer's specified target RA [deg]
dec_targ	-22.657111	Observer's specified target Dec [deg]
ra_nom	218.08845342601	Nominal RA [deg]
dec_nom	-22.66117162112	Nominal Dec [deg]
roll_nom	272.70300639592	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4183.025226891	[s]
livetime	4152.9647101198	Ontime multiplied by DTCOR
l2events	228770	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	4183.025226891	[s]
caldbver	4.6.4	 	l1events	381010	Number of level 1 events
date	2014-12-03T09:00:14	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

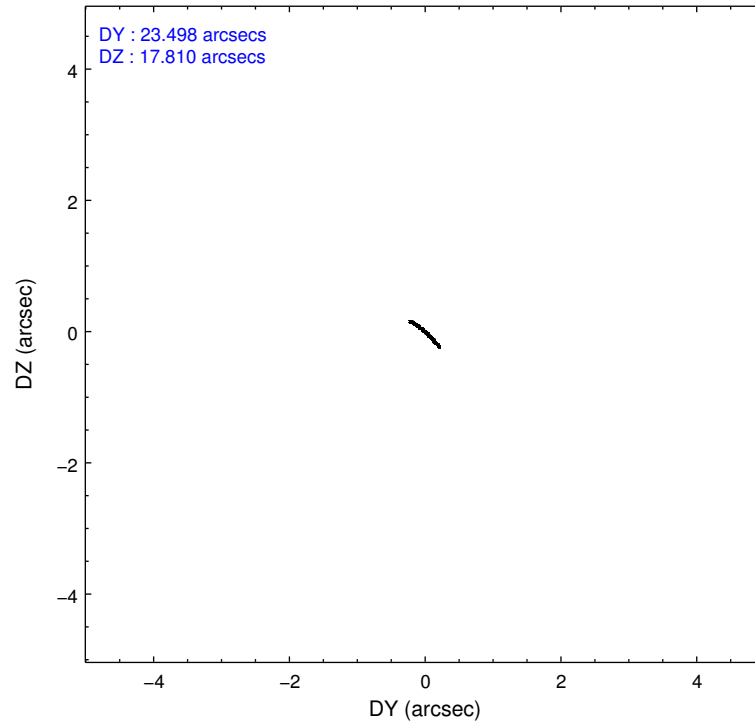
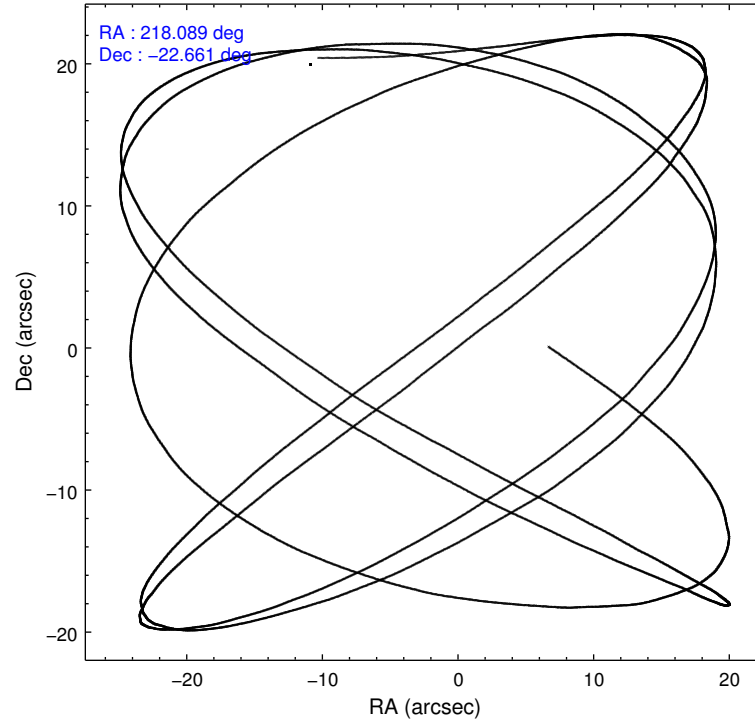
Level 1 Events

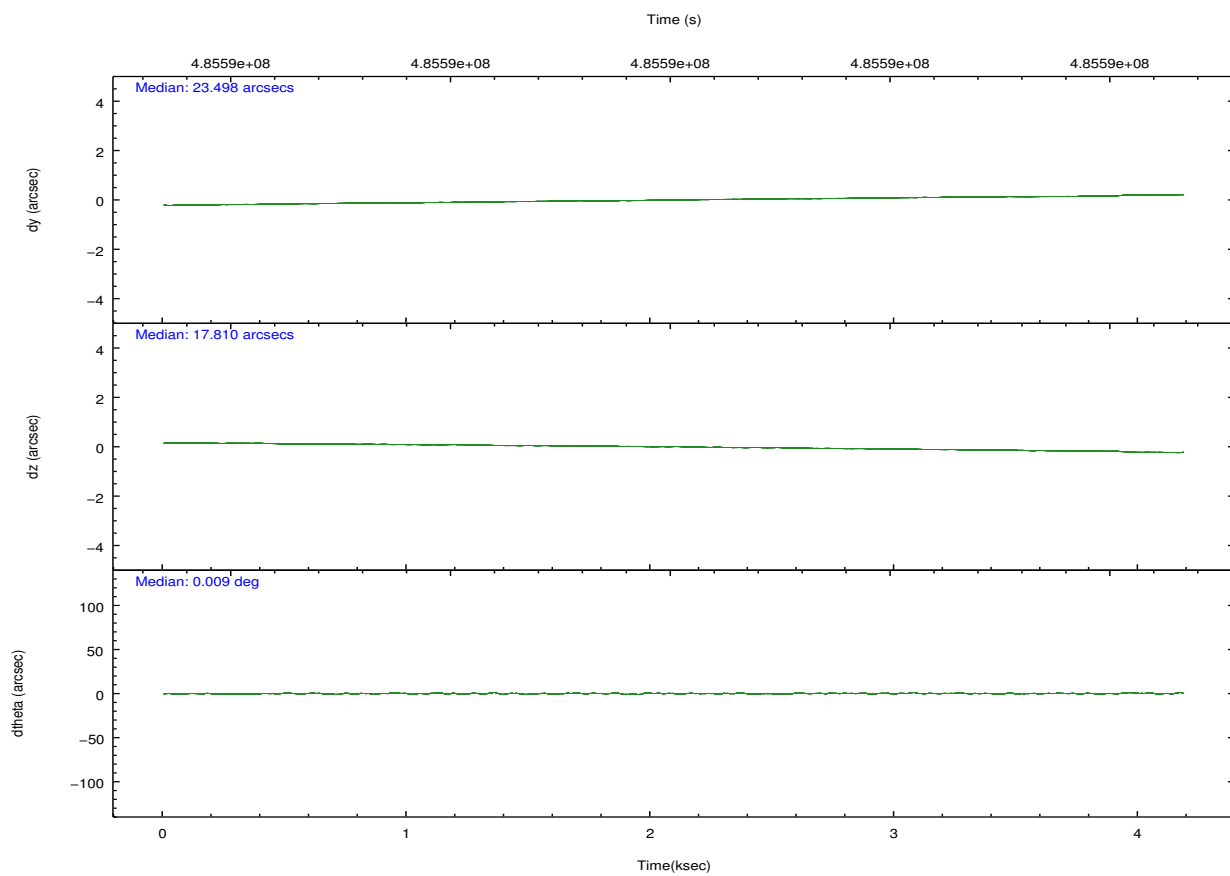
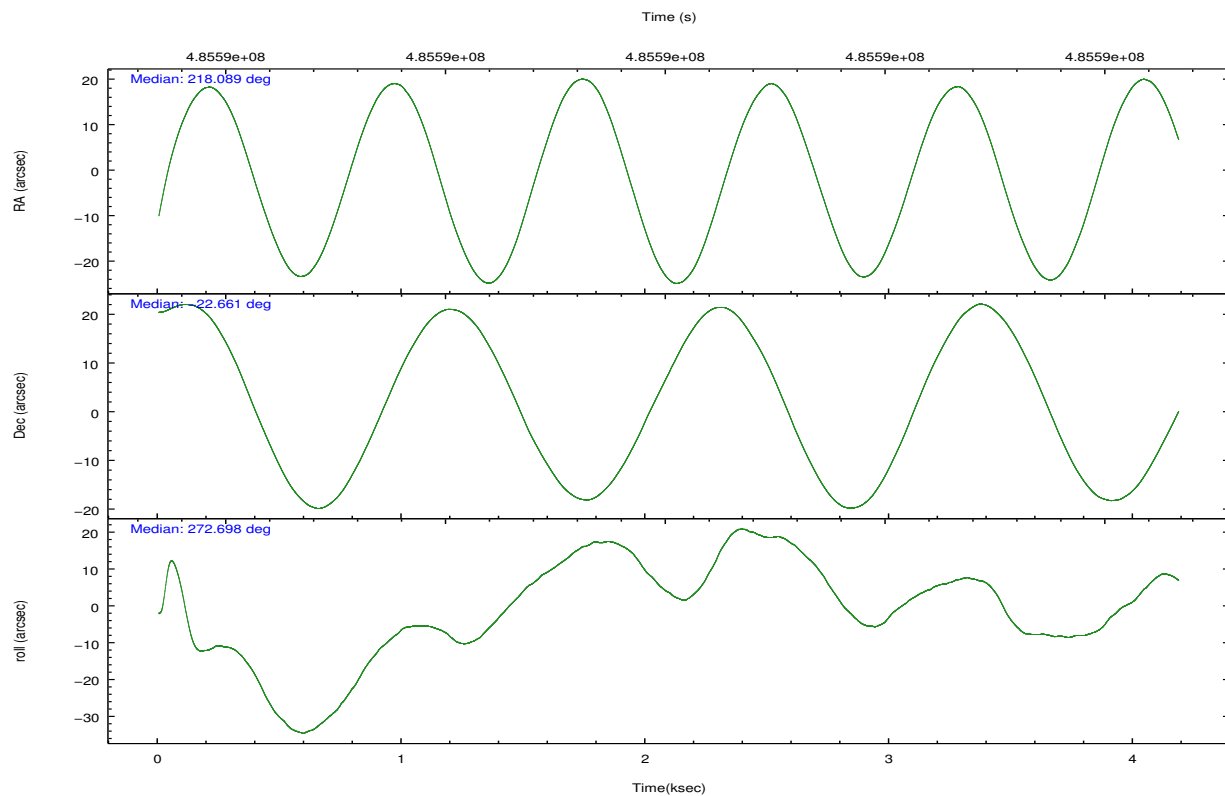
	segment 0
level 1 events	381010
rejected events	69835
rejected %	18%

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	218.071612	218.0884534260052			
[deg] Pointing Dec	-22.638565	-22.66117162112048			
[deg] Pointing Roll	272.791945	272.7030063959198			
[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)	485590111.184000	485589052.81365			
Observation start date	2013-05-22T06:07:24	2013-05-22T05:50:52			
[s] Observation end time (MET)	485594111.184000	485595457.5265			
Observation end date	2013-05-22T07:14:04	2013-05-22T07:37:37			

2.3 Aspect



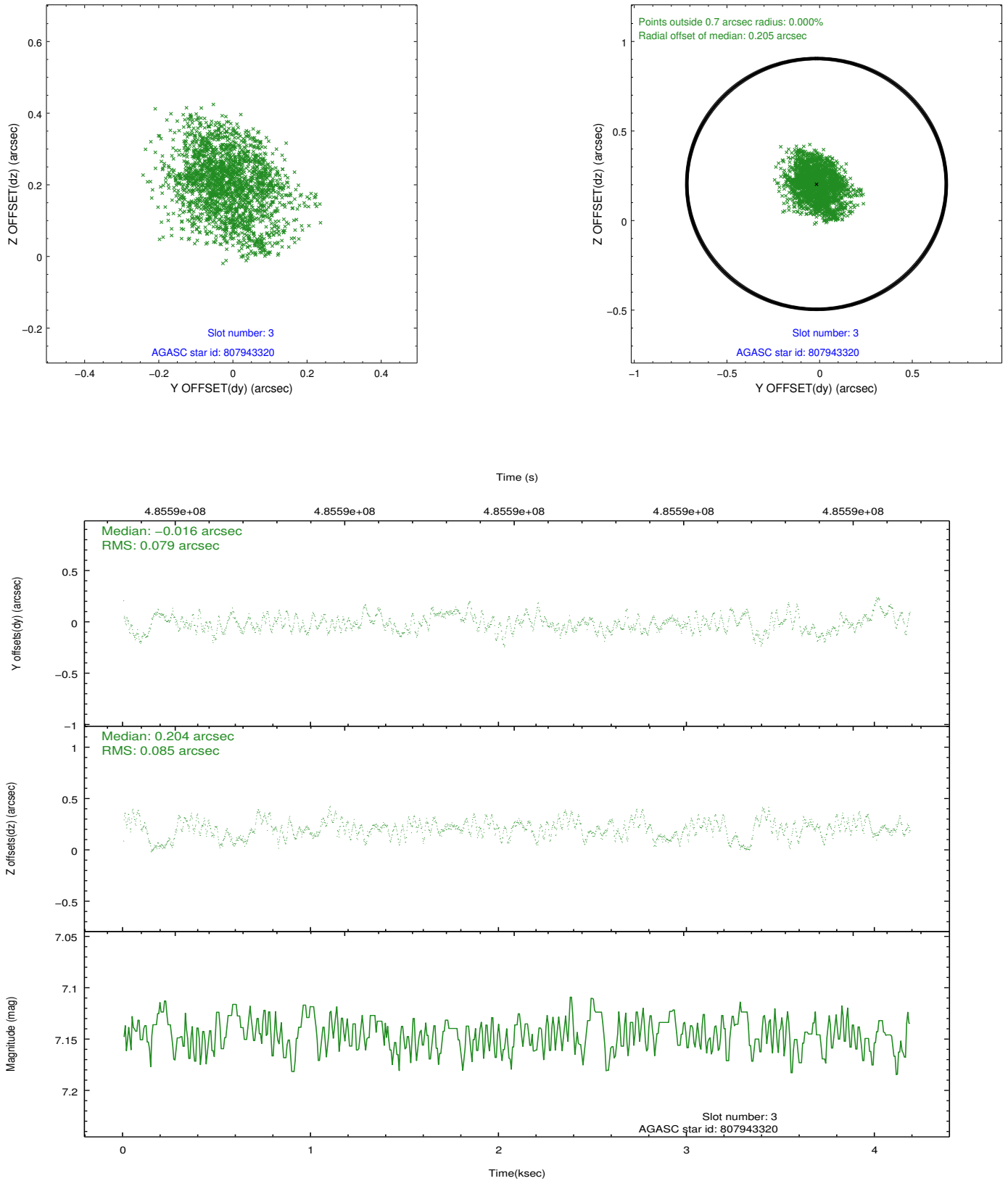


Slot Statistics

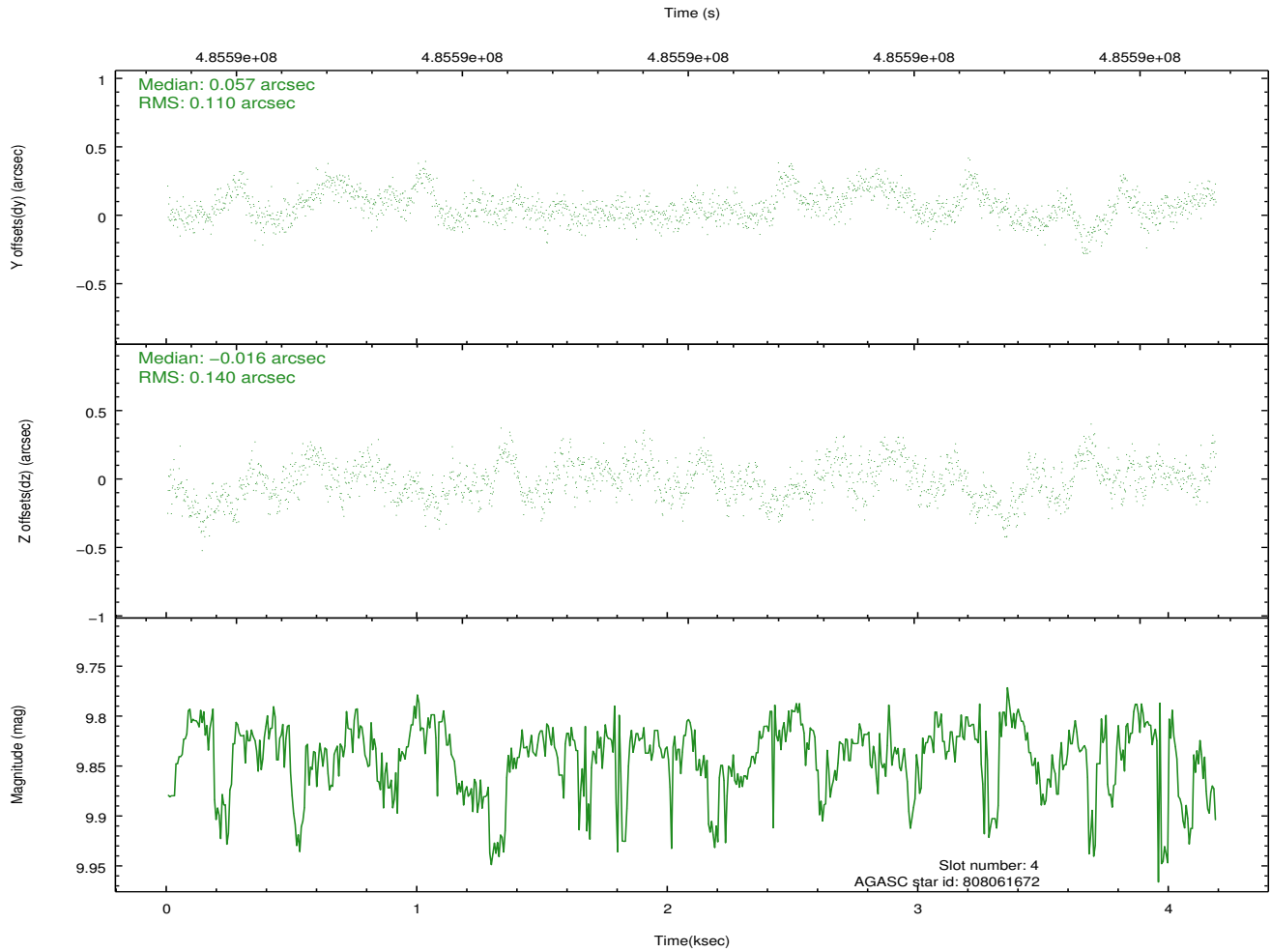
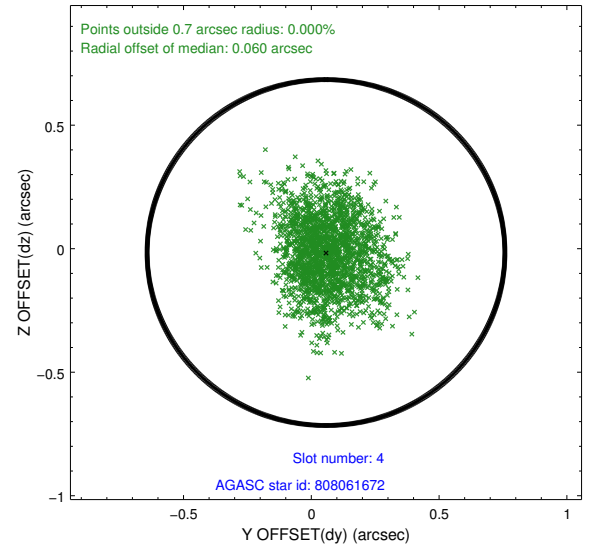
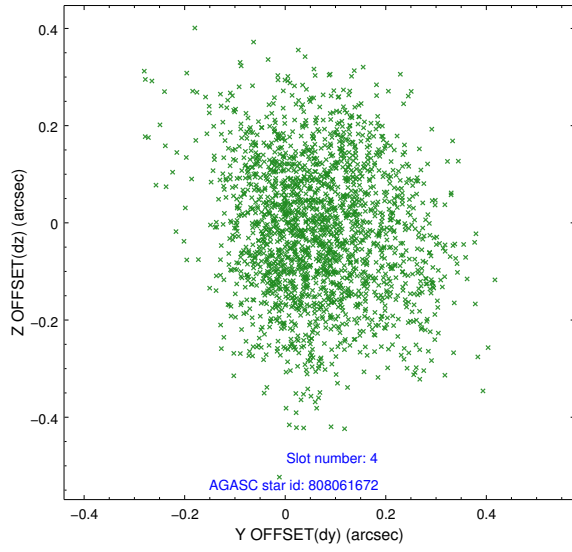
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	6.99	1021	0.090	-0.067	0.007	0.011	0.000000	0.000000	833.19	-1307.60
1	FID		HRC-I-3	7.04	1021	-0.210	0.024	0.005	0.010	0.000000	0.000000	-1207.41	997.35
2	FID		HRC-I-4	6.96	1021	0.239	-0.043	0.006	0.011	0.000000	0.000000	1262.32	997.13
3	GUIDE	used	807943320	7.15	2042	-0.016	0.204	0.125	0.201	217.668603	-22.460916	-701.90	-1309.08
4	GUIDE	used	808061672	9.84	2037	0.057	-0.016	0.190	0.310	218.480473	-22.307132	-1123.37	1415.40
5	GUIDE	used	884083312	9.86	2022	0.107	0.001	0.226	0.359	217.844774	-23.083086	1562.37	-828.41
6	GUIDE	used	884084544	10.05	2025	-0.158	-0.232	0.259	0.424	218.442765	-22.756757	487.35	1208.29
7	GUIDE	used	884080712	10.12	1996	-0.025	0.041	0.274	0.439	218.391646	-22.916369	1052.19	1010.38

2.4 Star Slots

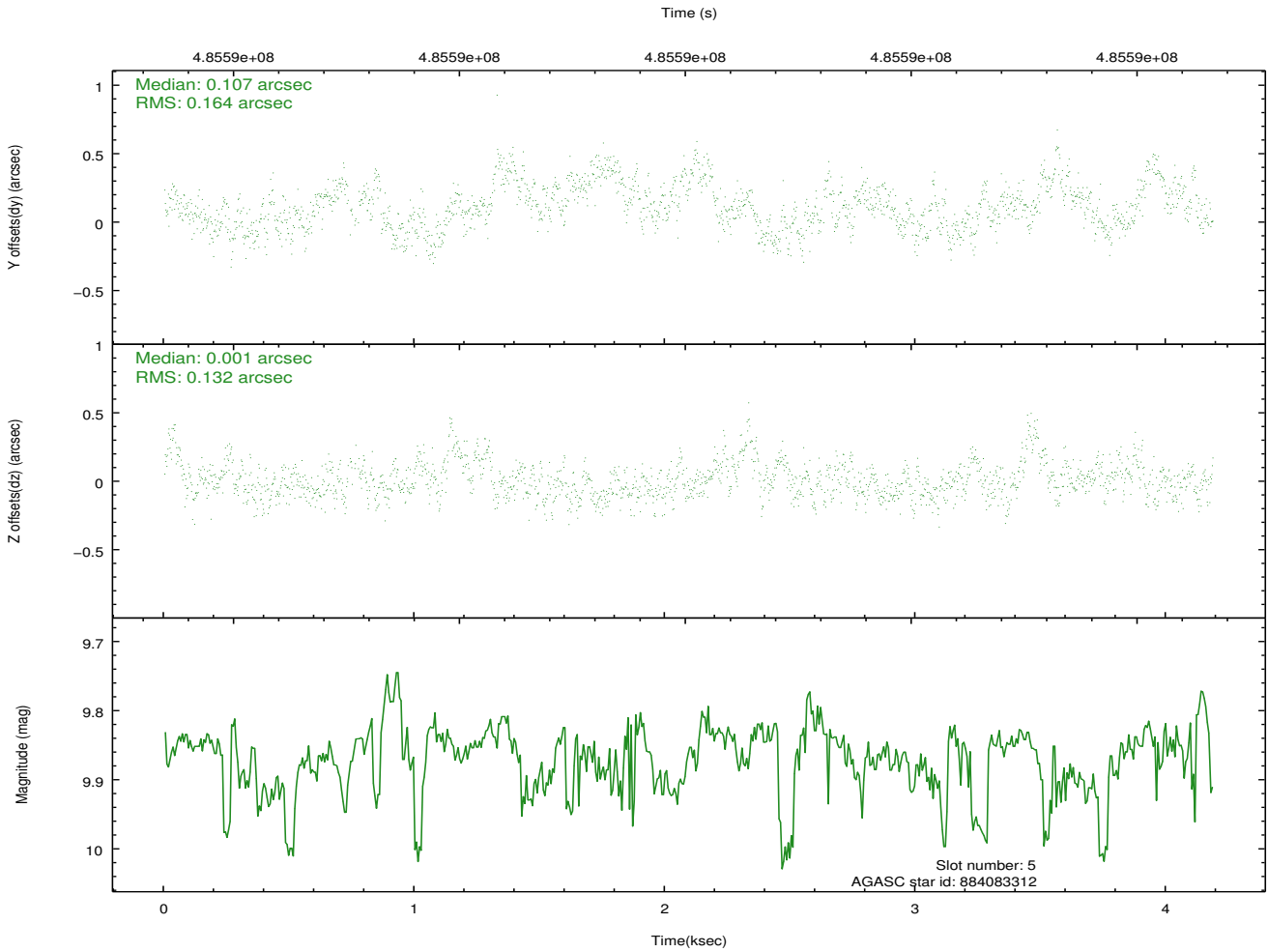
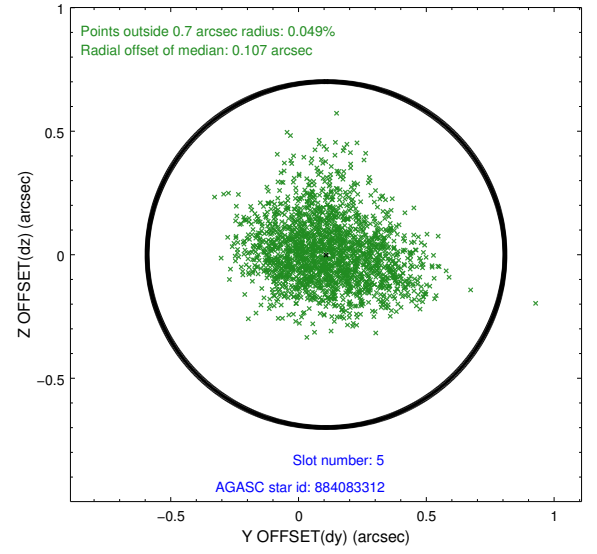
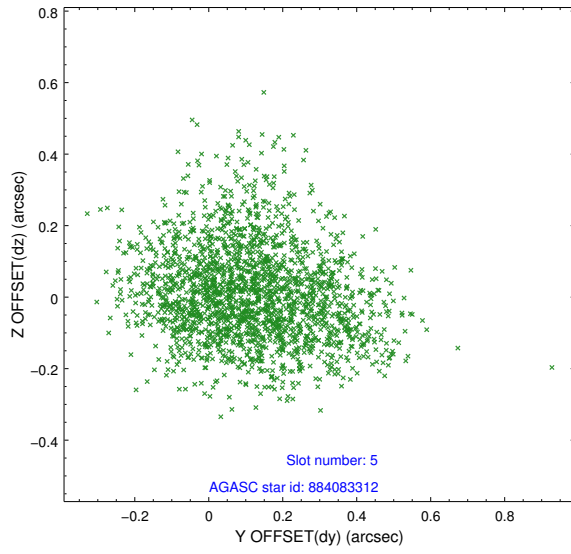
2.4.1 Slot 3



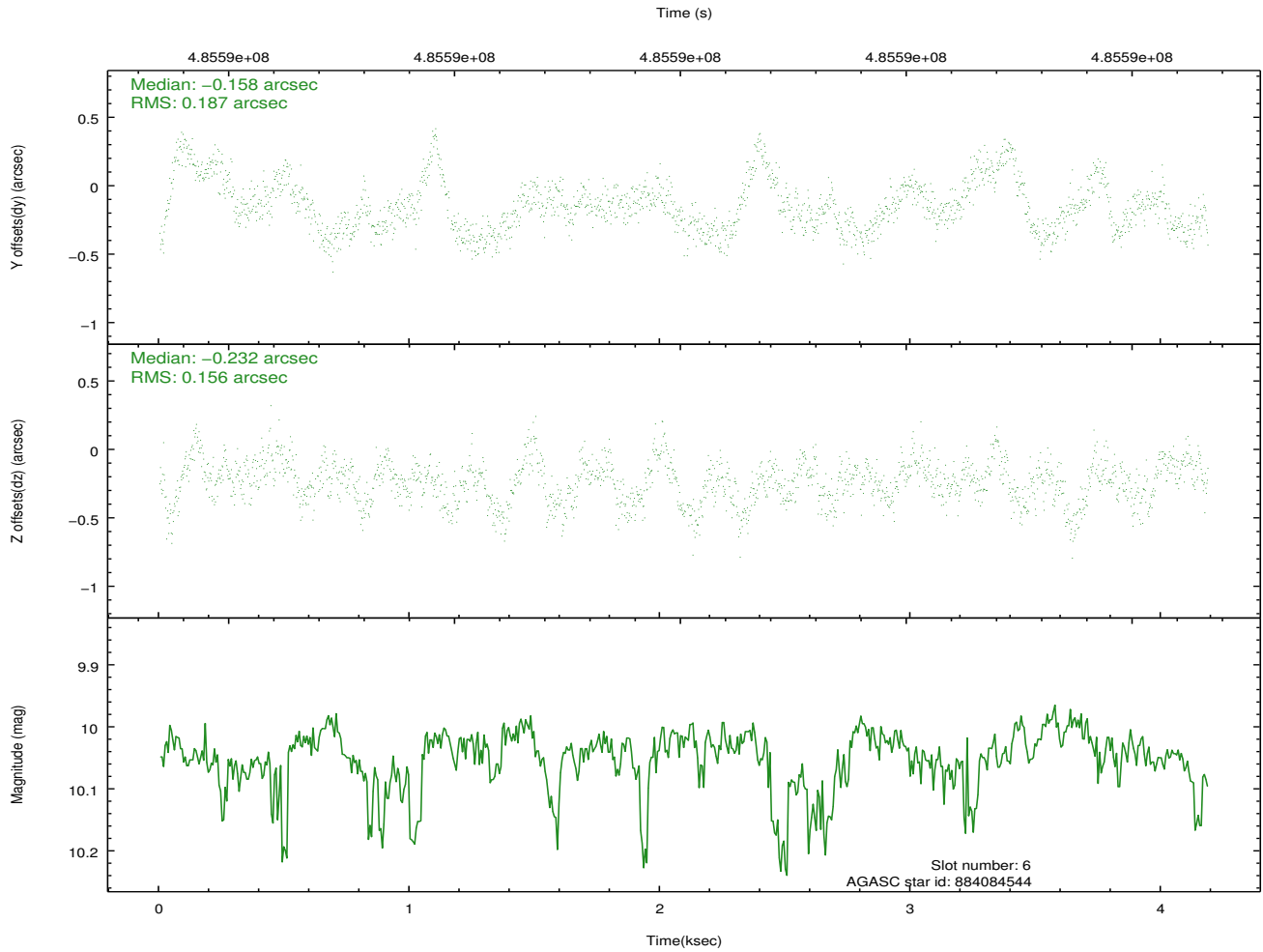
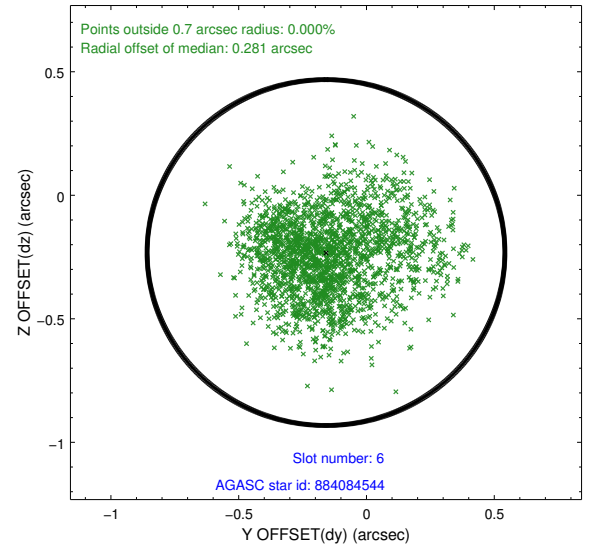
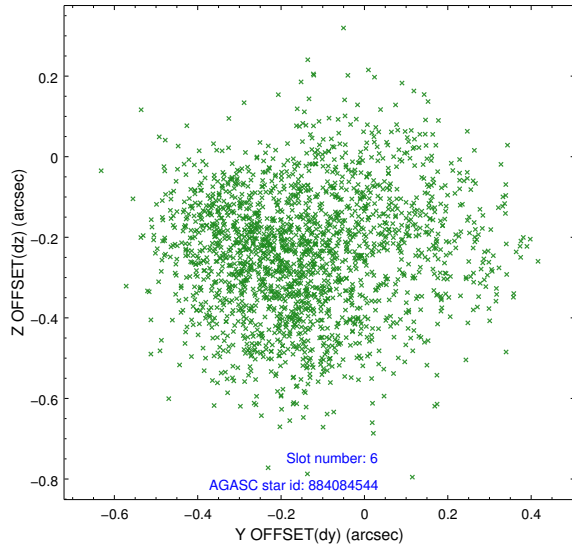
2.4.2 Slot 4



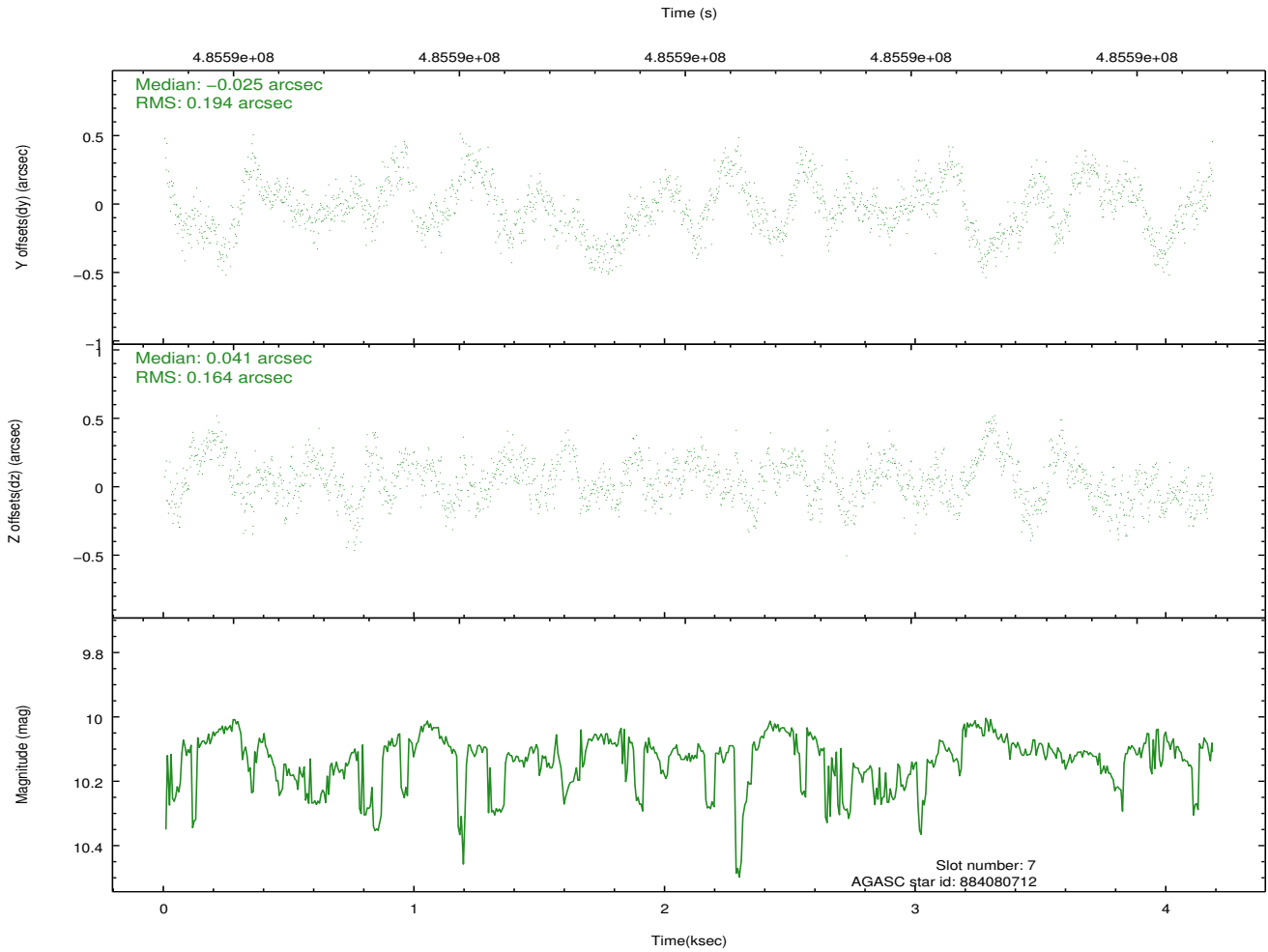
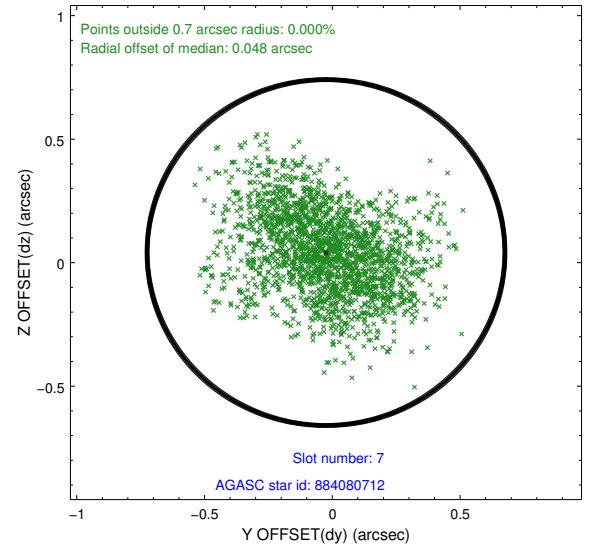
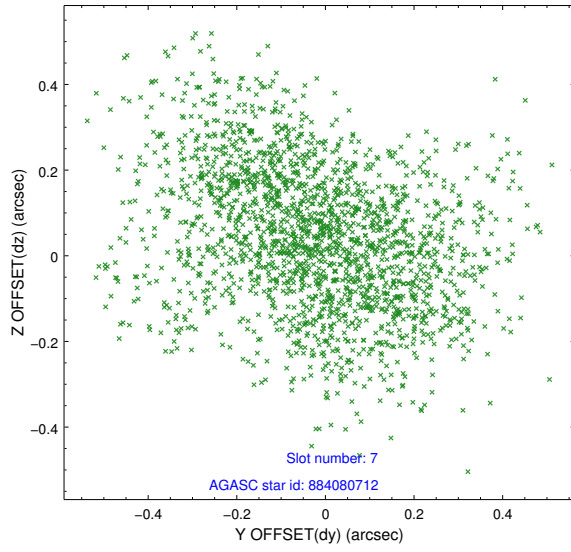
2.4.3 Slot 5



2.4.4 Slot 6

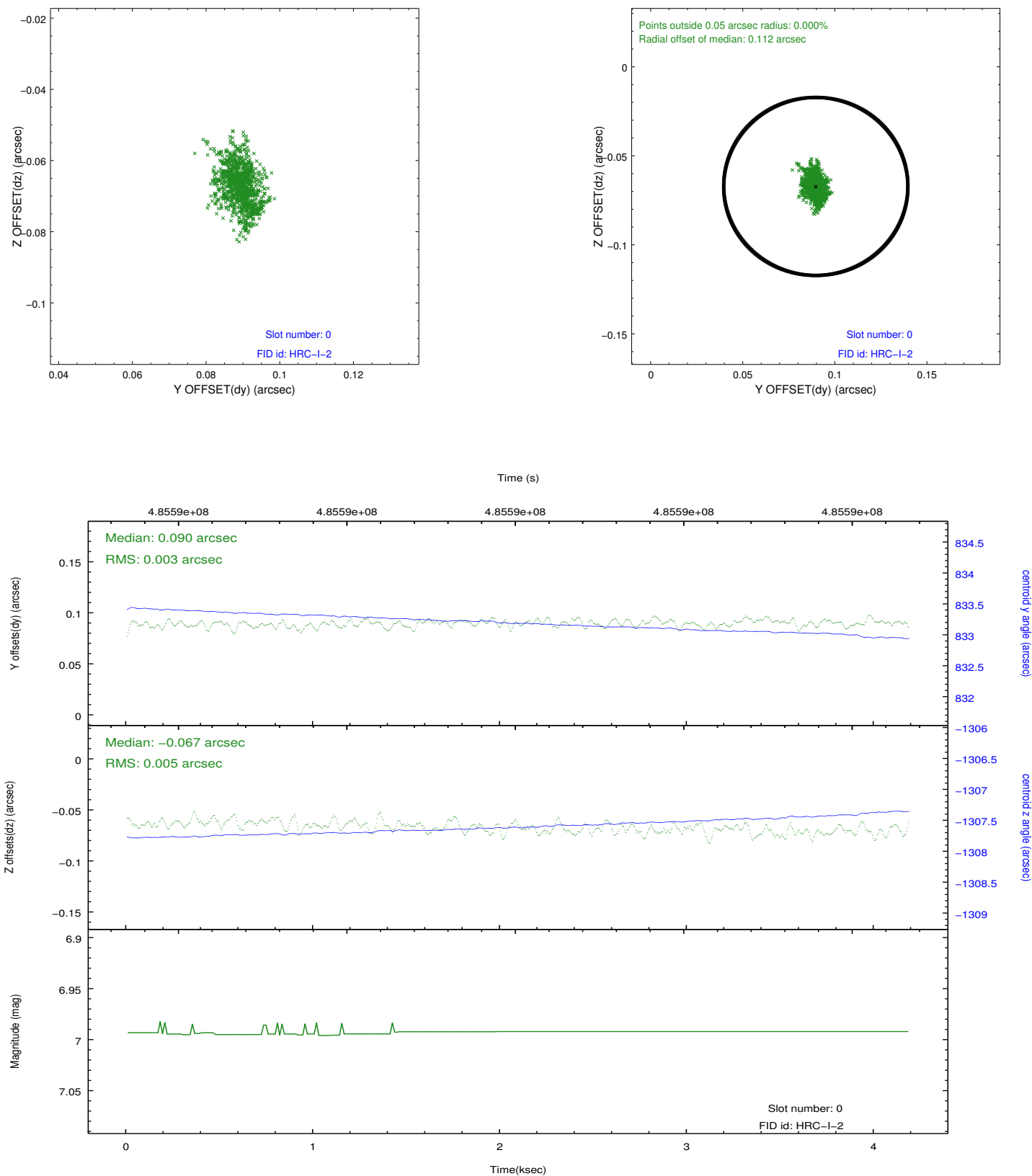


2.4.5 Slot 7

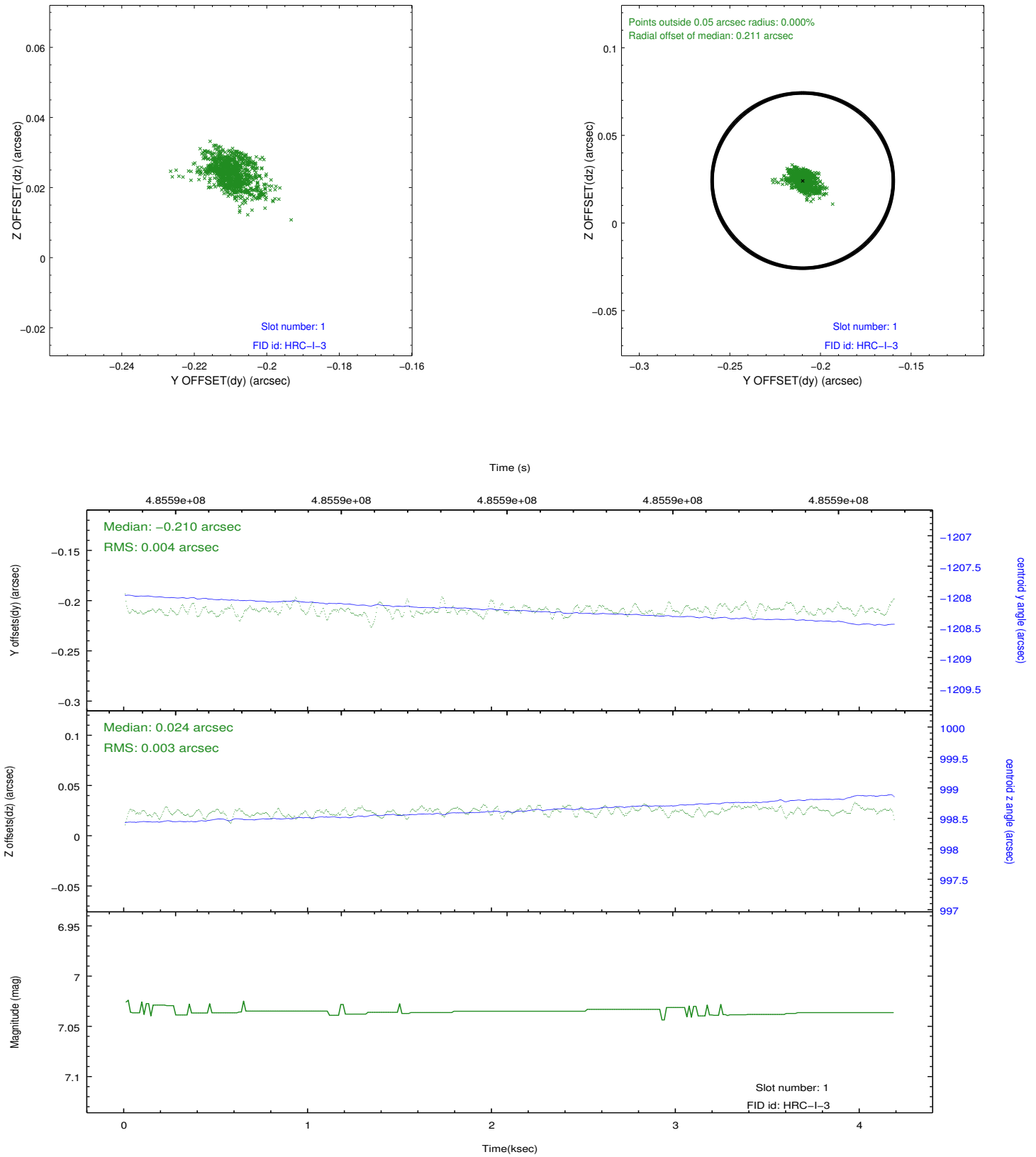


2.5 FID Slots

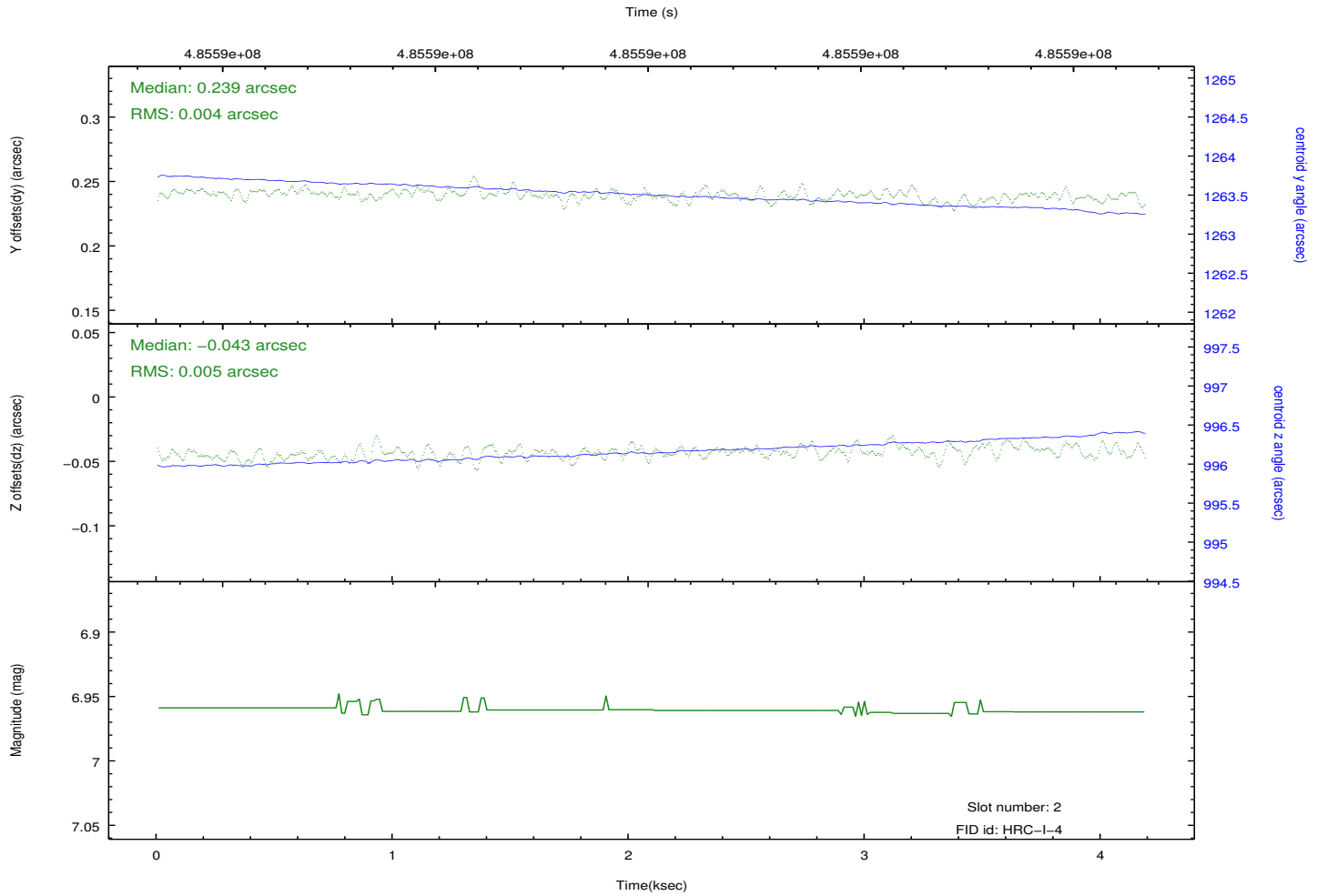
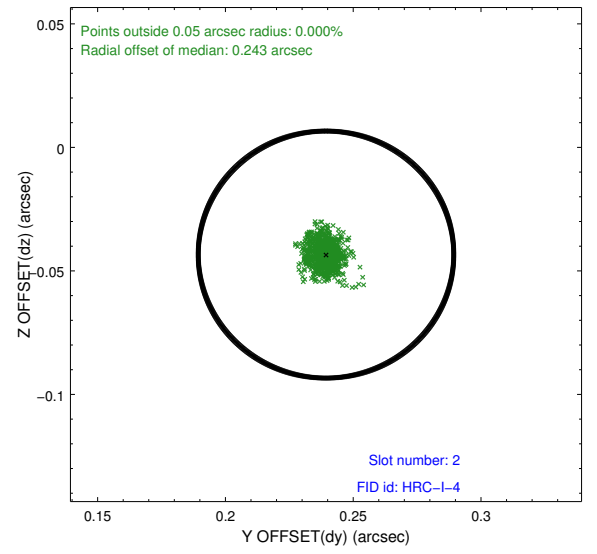
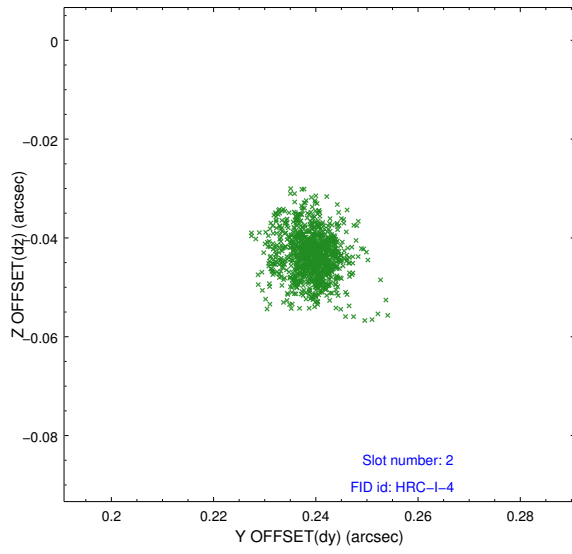
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.183025226891

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.