

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14552 - L2 Version 2
Chandra X-Ray Center

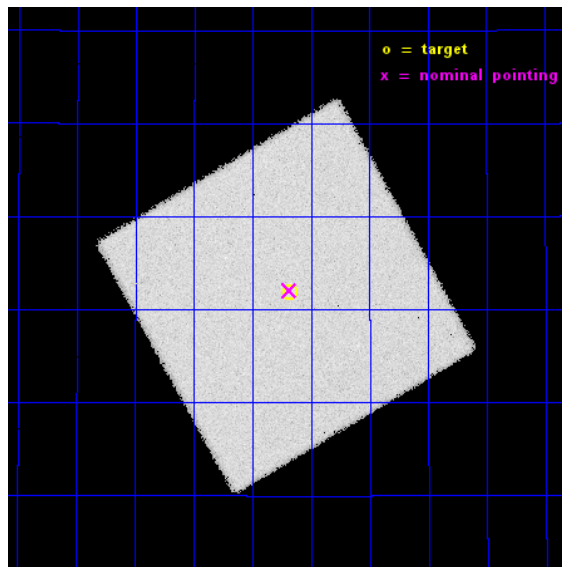
L2 Processing Date : Dec 2 2014

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1 Front

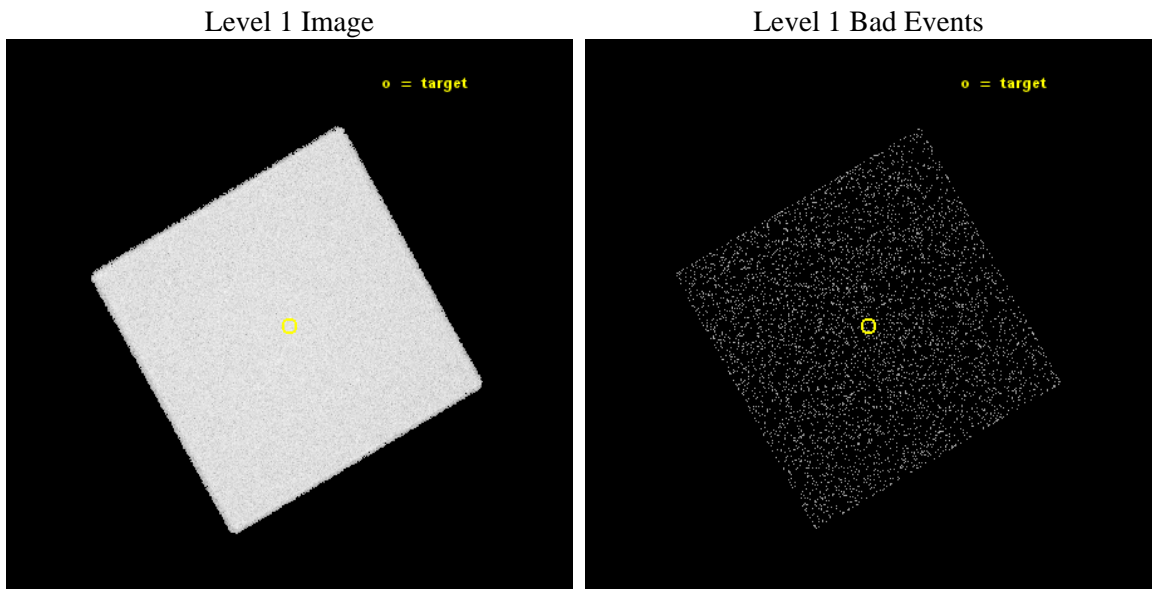
seq_num	200853	Sequence number
obs_id	14552	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	BD+28 4211	Source name
ra_targ	327.795833	Observer's specified target RA [deg]
dec_targ	28.864	Observer's specified target Dec [deg]
ra_nom	327.79610195813	Nominal RA [deg]
dec_nom	28.867919103673	Nominal Dec [deg]
roll_nom	105.18691111793	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4177.1314762831	[s]
livetime	4129.5189809104	Ontime multiplied by DTCOR
l2events	429645	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	4177.1314762831	[s]
caldbver	4.6.4	 	l1events	643514	Number of level 1 events
date	2014-12-03T03:52:15	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

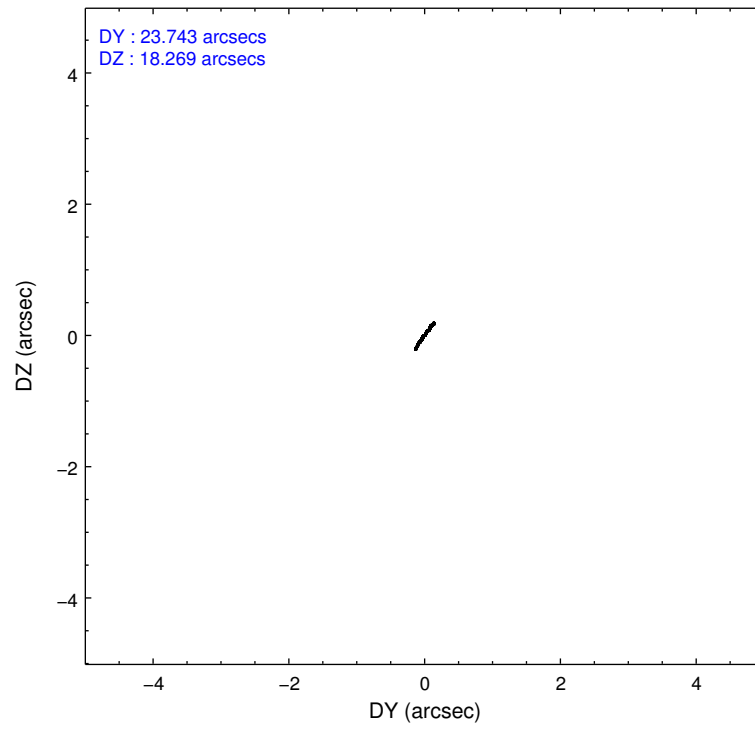
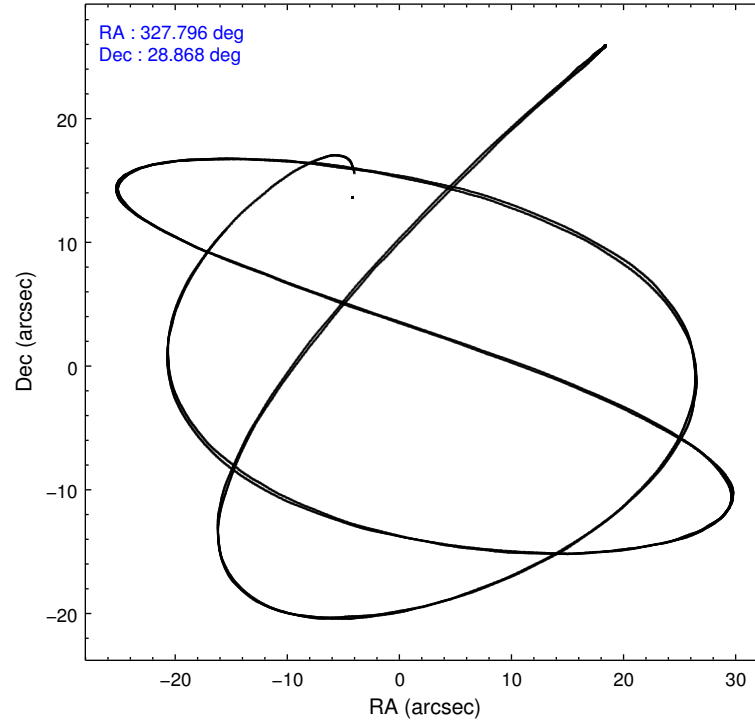
	segment 0
level 1 events	643514
rejected events	85250
rejected %	13%

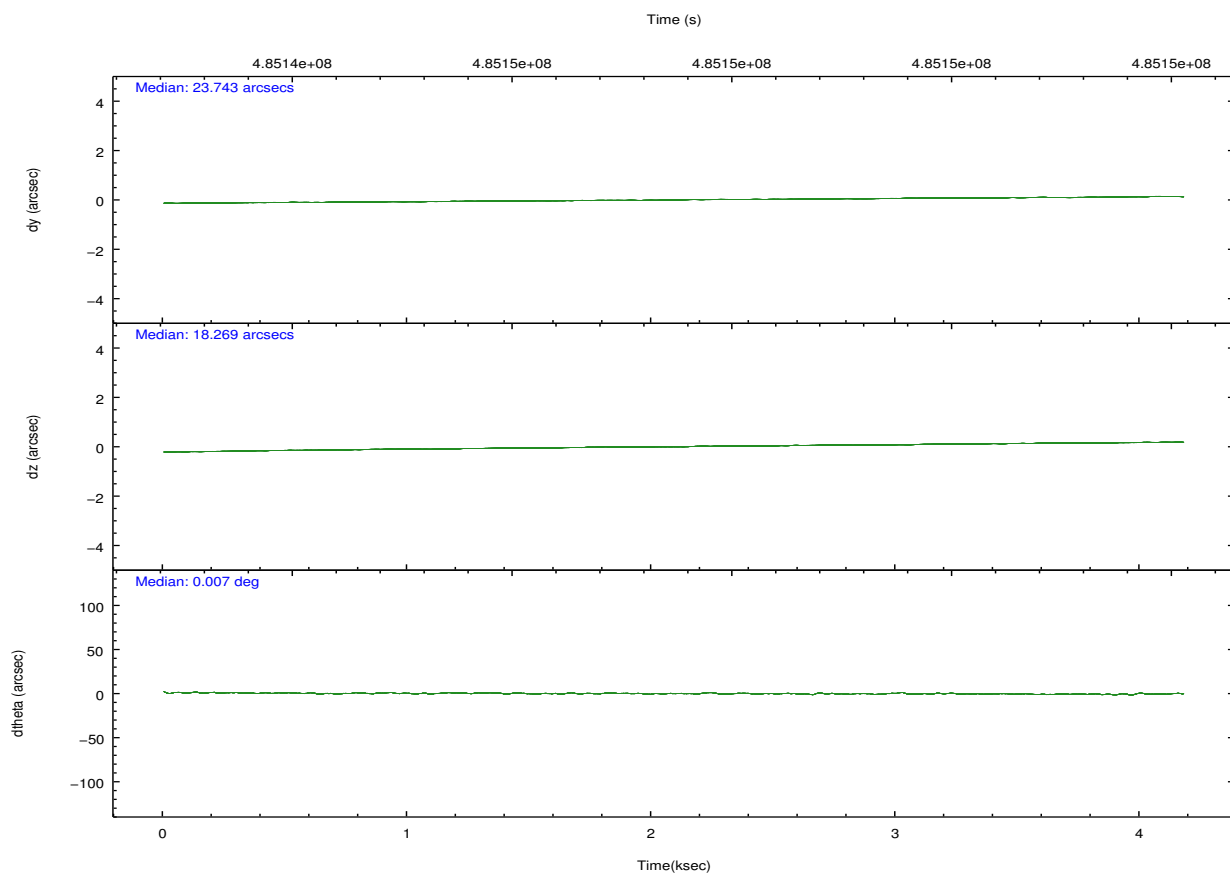
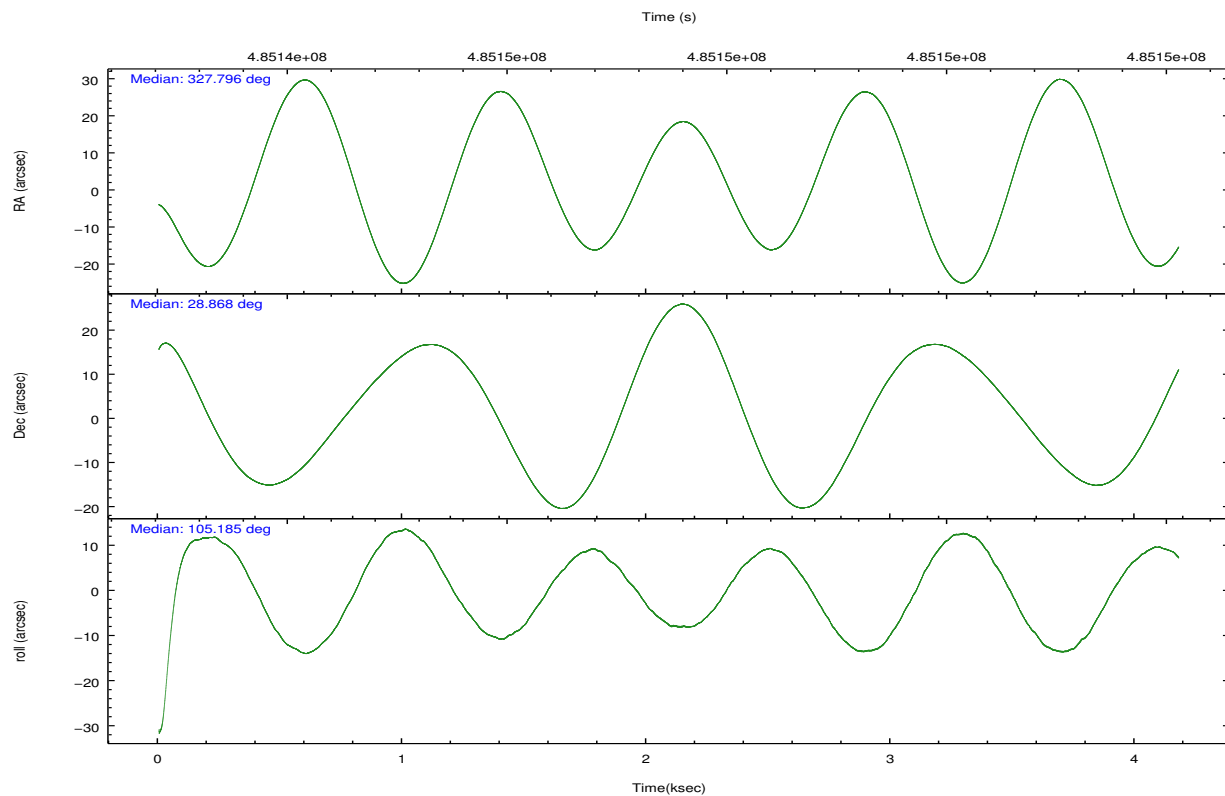
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	327.818907	327.7961019581281
[deg] Pointing Dec	28.849475	28.86791910367286
[deg] Pointing Roll	105.271508	105.1869111179311
[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)	485144824.184000	485144140.77701
Observation start date	2013-05-17T02:25:57	2013-05-17T02:15:40
[s] Observation end time (MET)	485148824.184000	485149030.02728
Observation end date	2013-05-17T03:32:37	2013-05-17T03:37:10

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



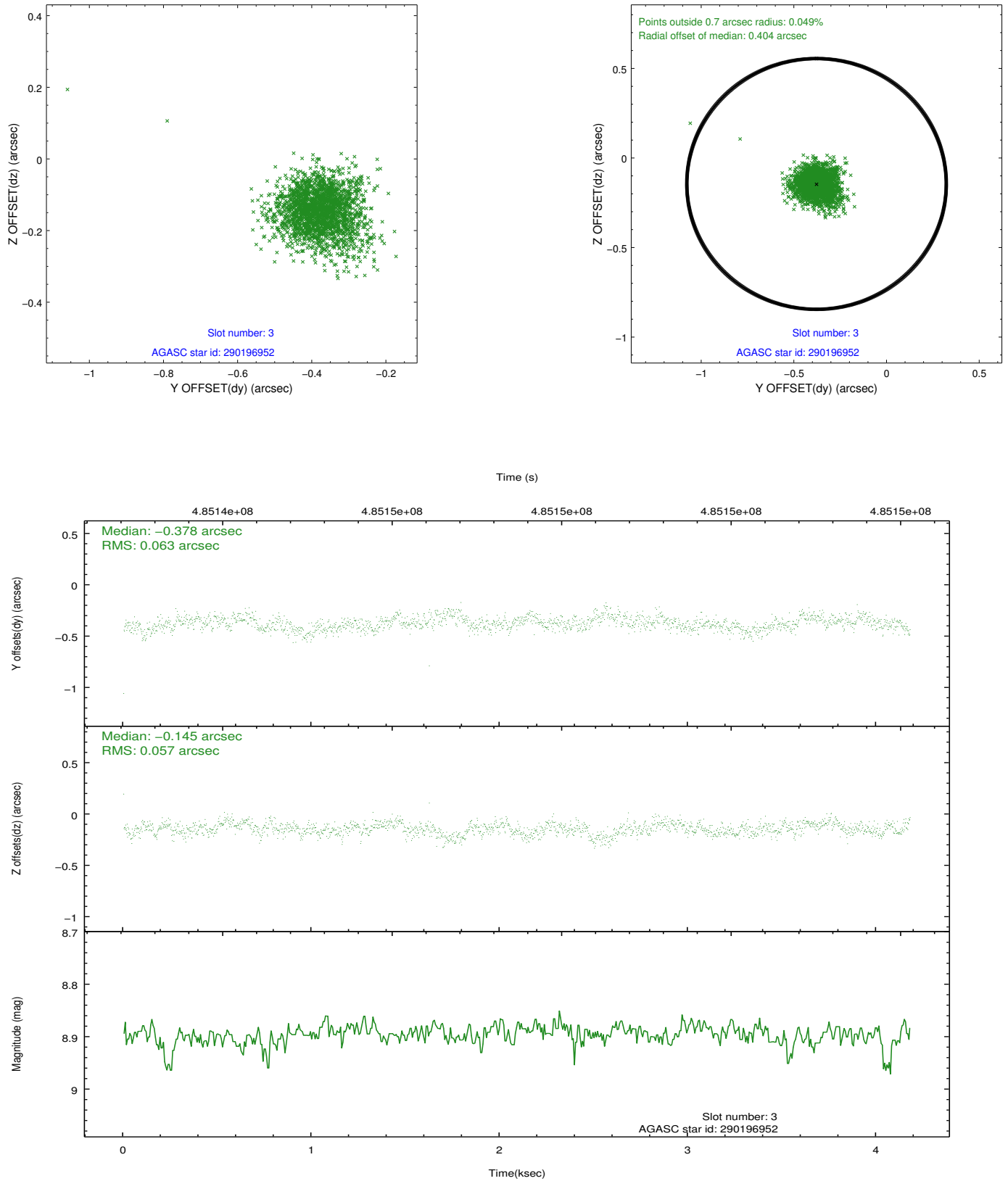


Slot Statistics

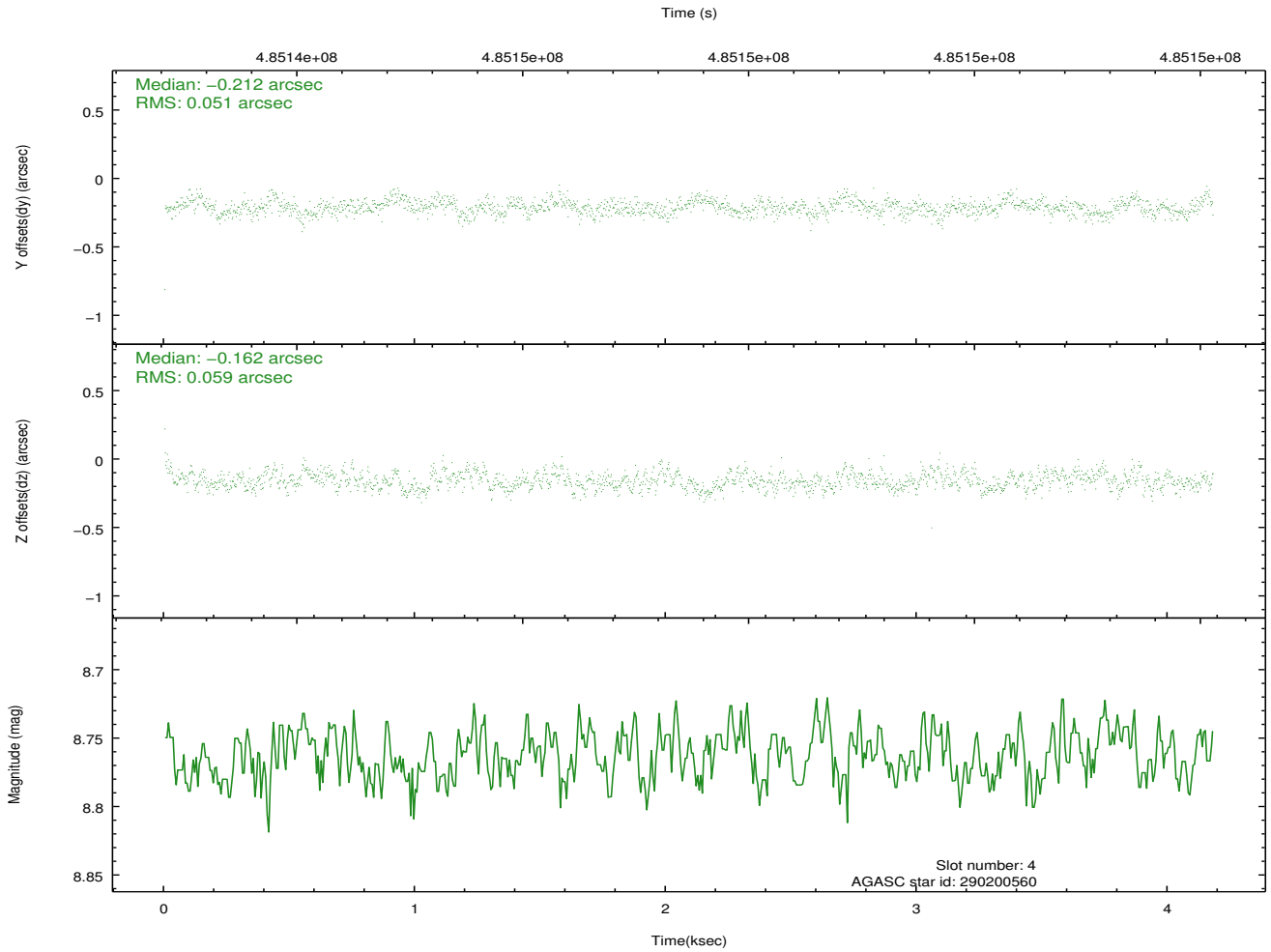
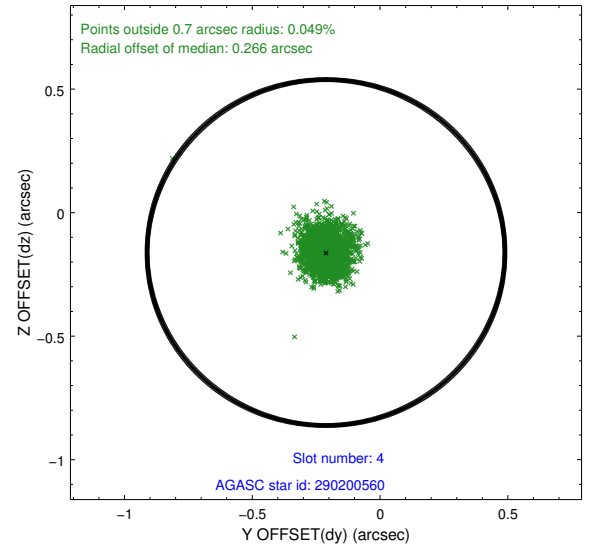
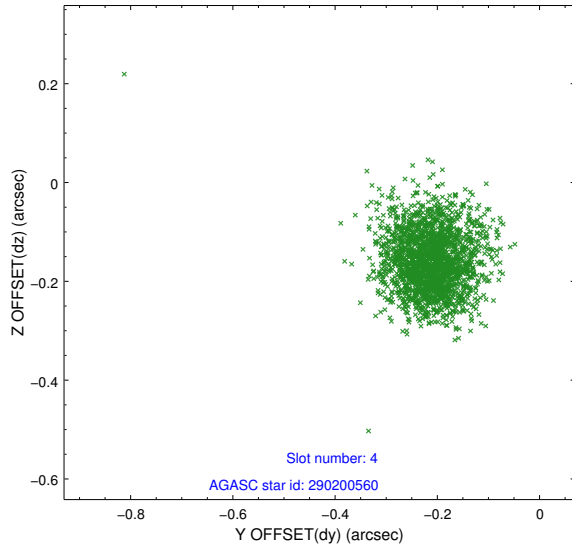
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.95	1019	-0.100	0.055	0.008	0.013	0.000000	0.000000	-779.86	-1306.41
1	FID		HRC-I-2	6.99	1019	0.238	-0.116	0.008	0.013	0.000000	0.000000	832.34	-1309.40
2	FID		HRC-I-3	7.03	1019	-0.020	-0.028	0.007	0.011	0.000000	0.000000	-1207.49	996.78
3	GUIDE	used	290196952	8.90	2039	-0.378	-0.145	0.086	0.147	327.005636	29.328263	2344.03	2005.06
4	GUIDE	used	290200560	8.76	2033	-0.212	-0.162	0.082	0.133	327.372314	29.080363	1175.95	1136.02
5	GUIDE	used	290205440	9.01	2036	0.087	-0.034	0.102	0.165	327.455720	28.671112	-314.12	1274.81
6	GUIDE	used	290206480	8.01	2038	0.117	-0.050	0.083	0.135	327.650917	28.767178	-145.10	589.55
7	GUIDE	used	290203952	7.12	2038	0.384	0.388	0.080	0.130	328.477846	28.341934	-2306.74	-1532.40

2.4 Star Slots

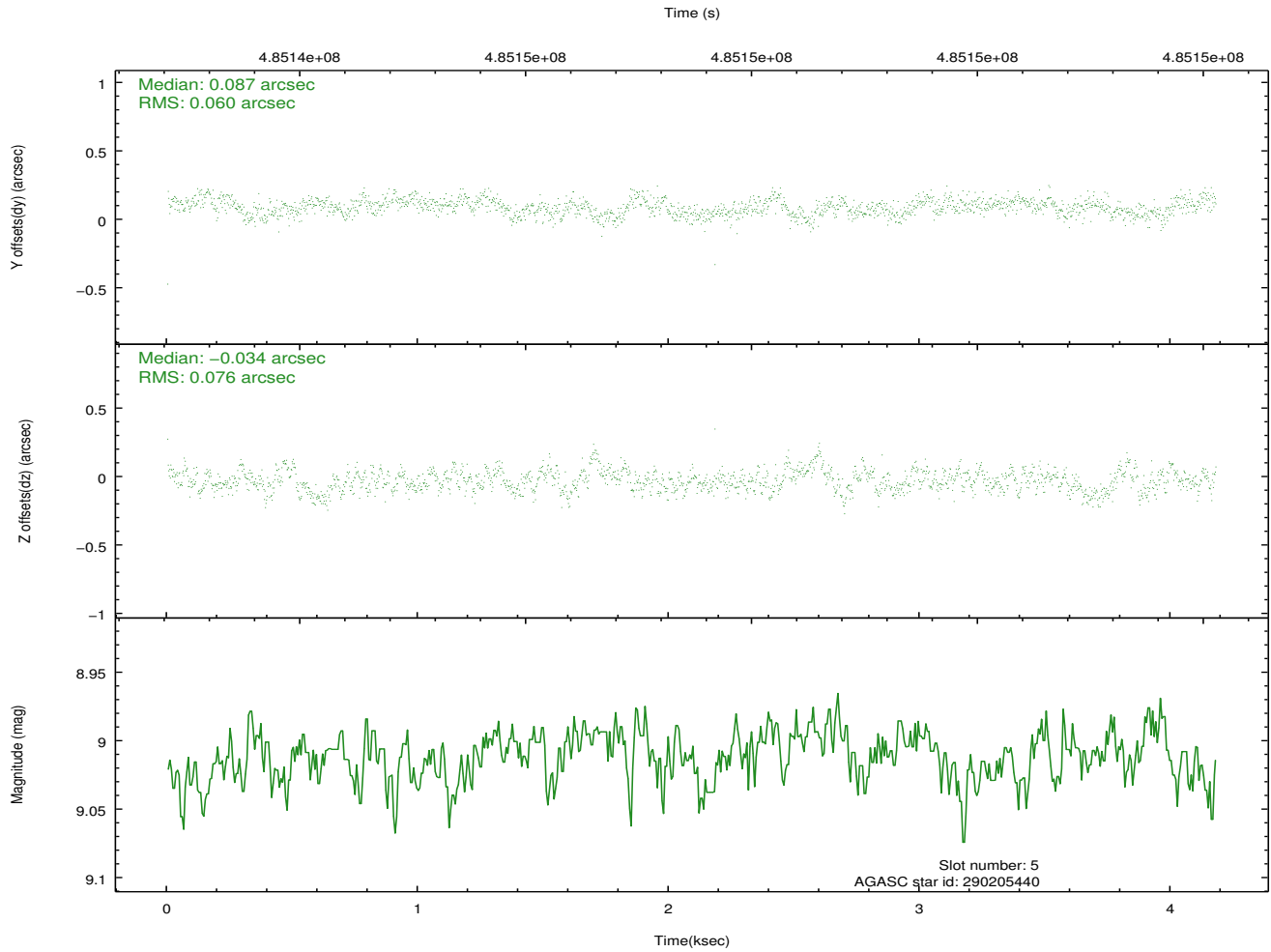
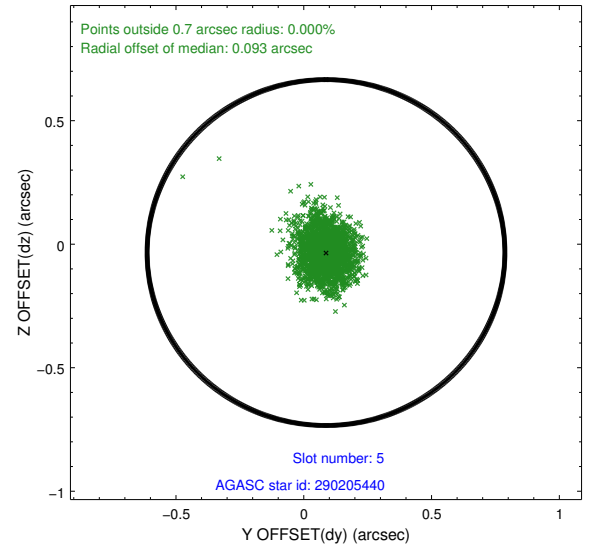
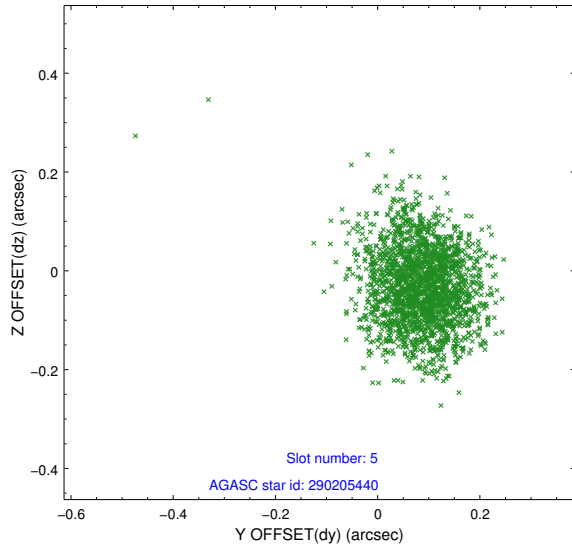
2.4.1 Slot 3



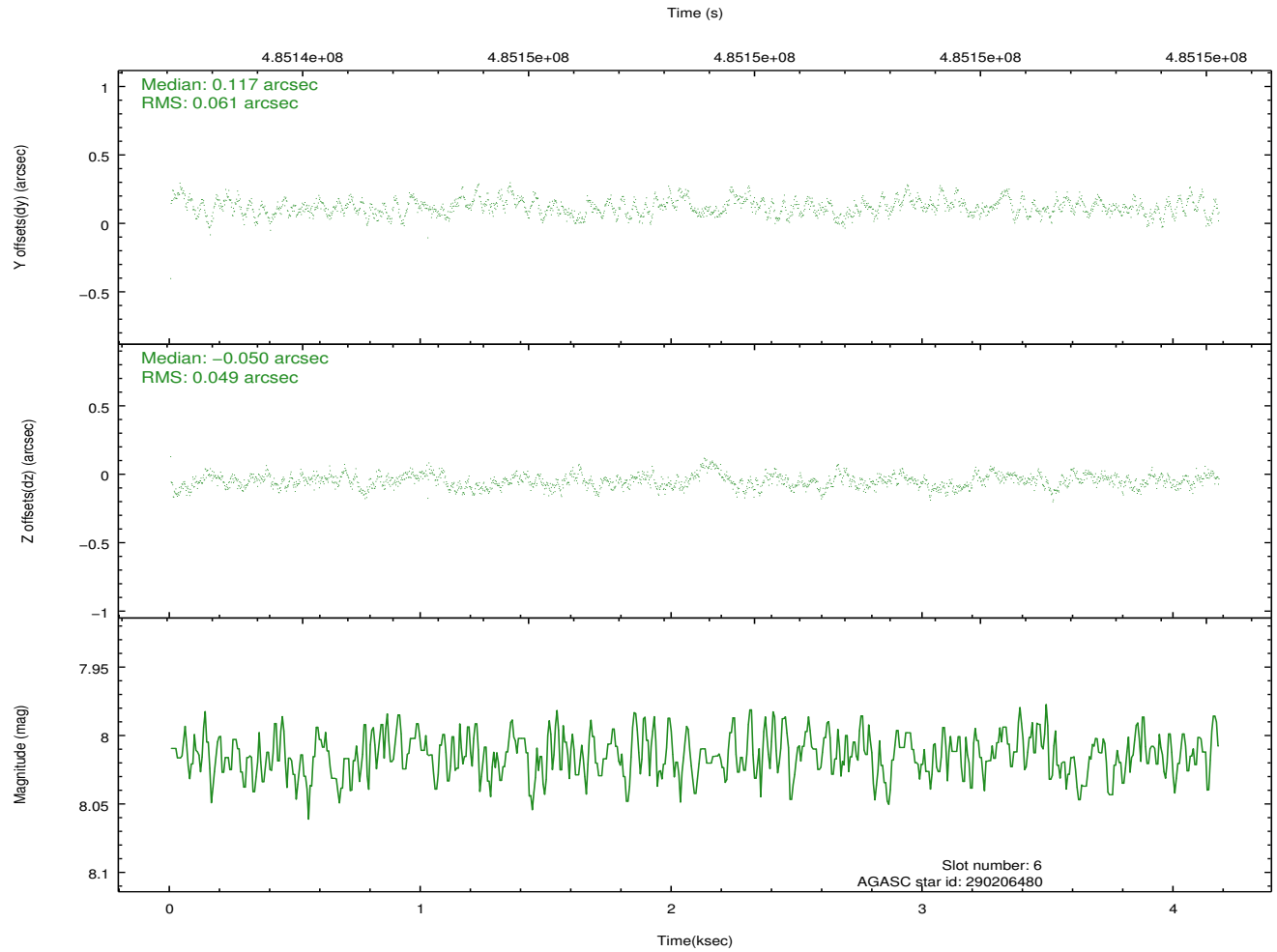
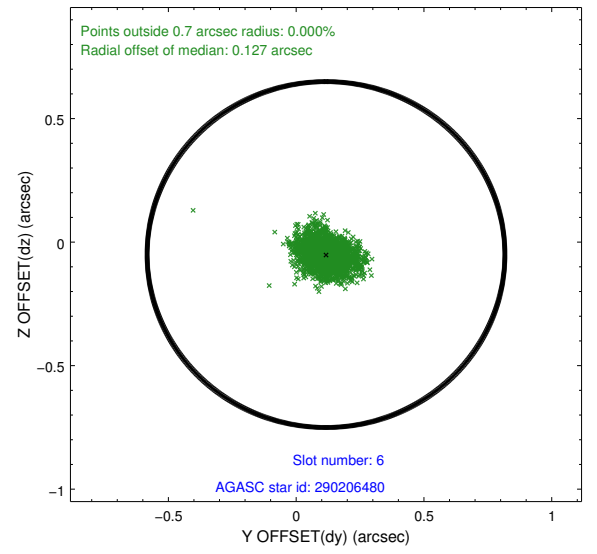
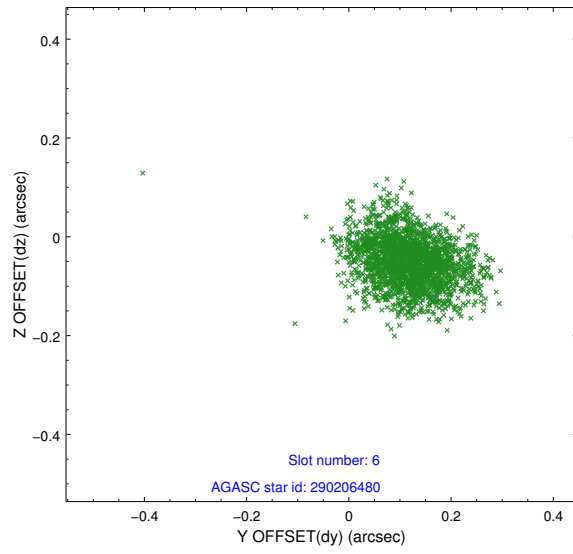
2.4.2 Slot 4



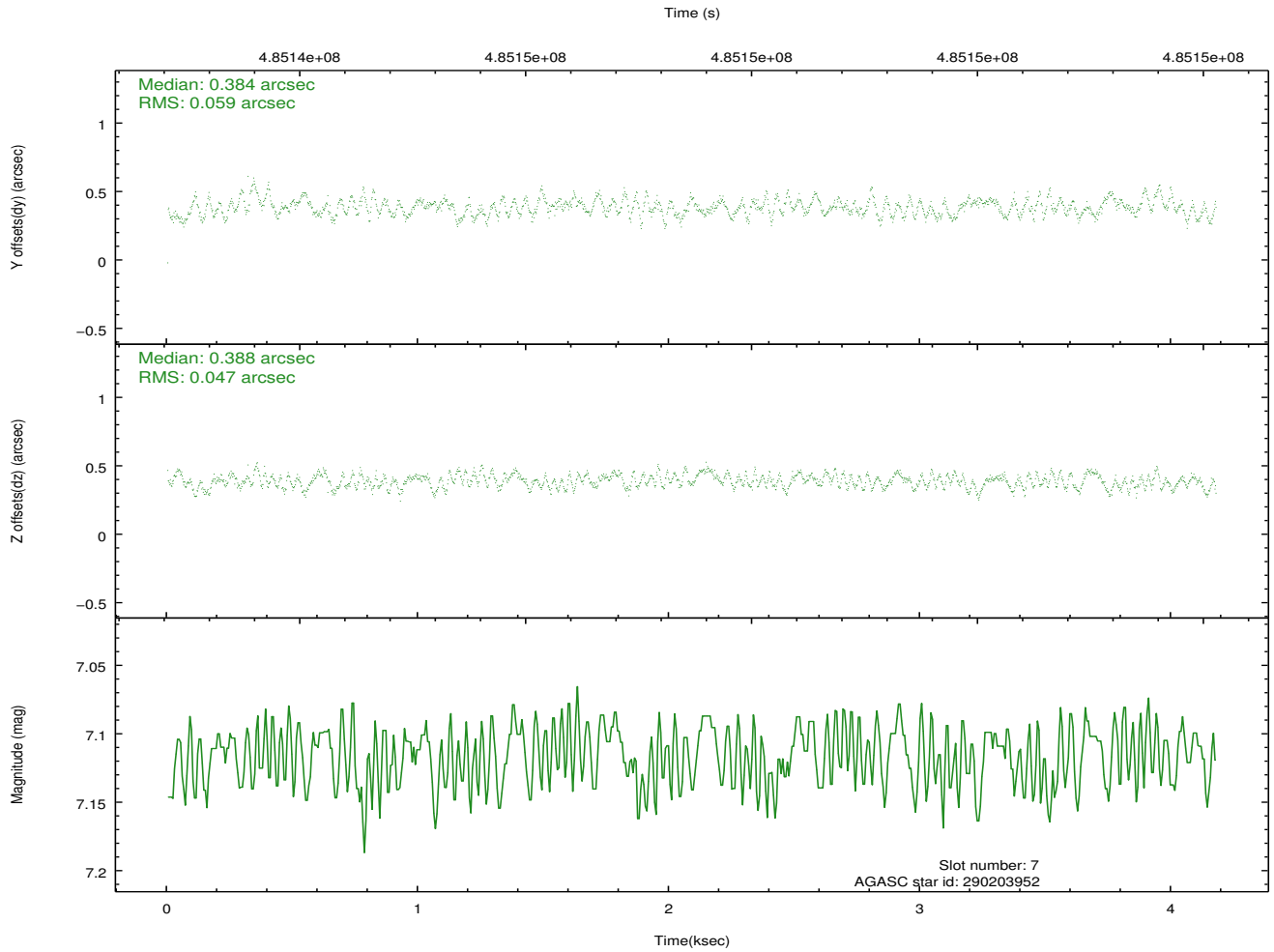
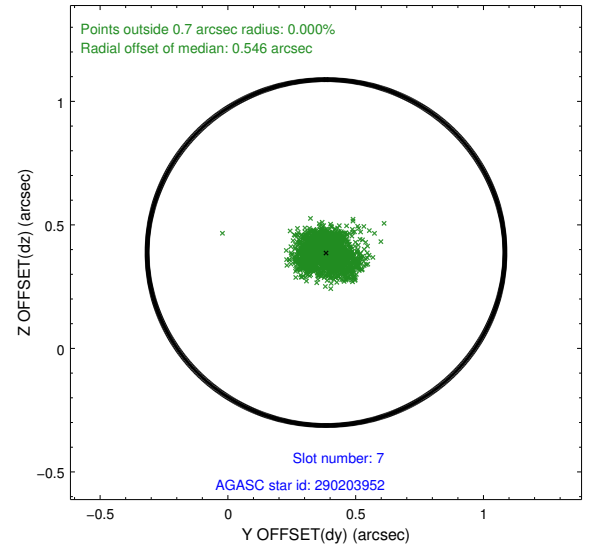
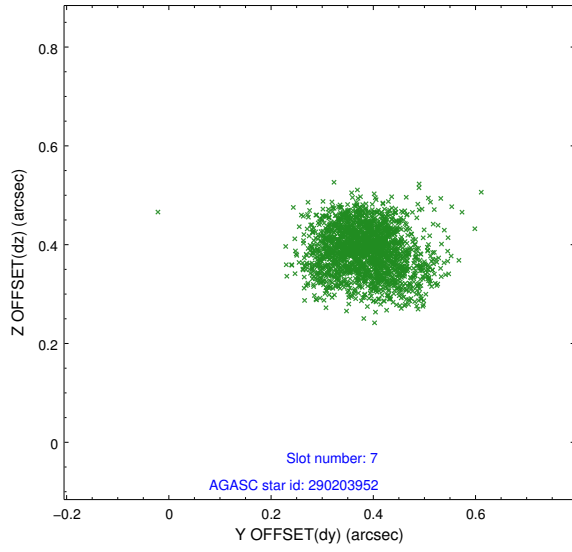
2.4.3 Slot 5



2.4.4 Slot 6

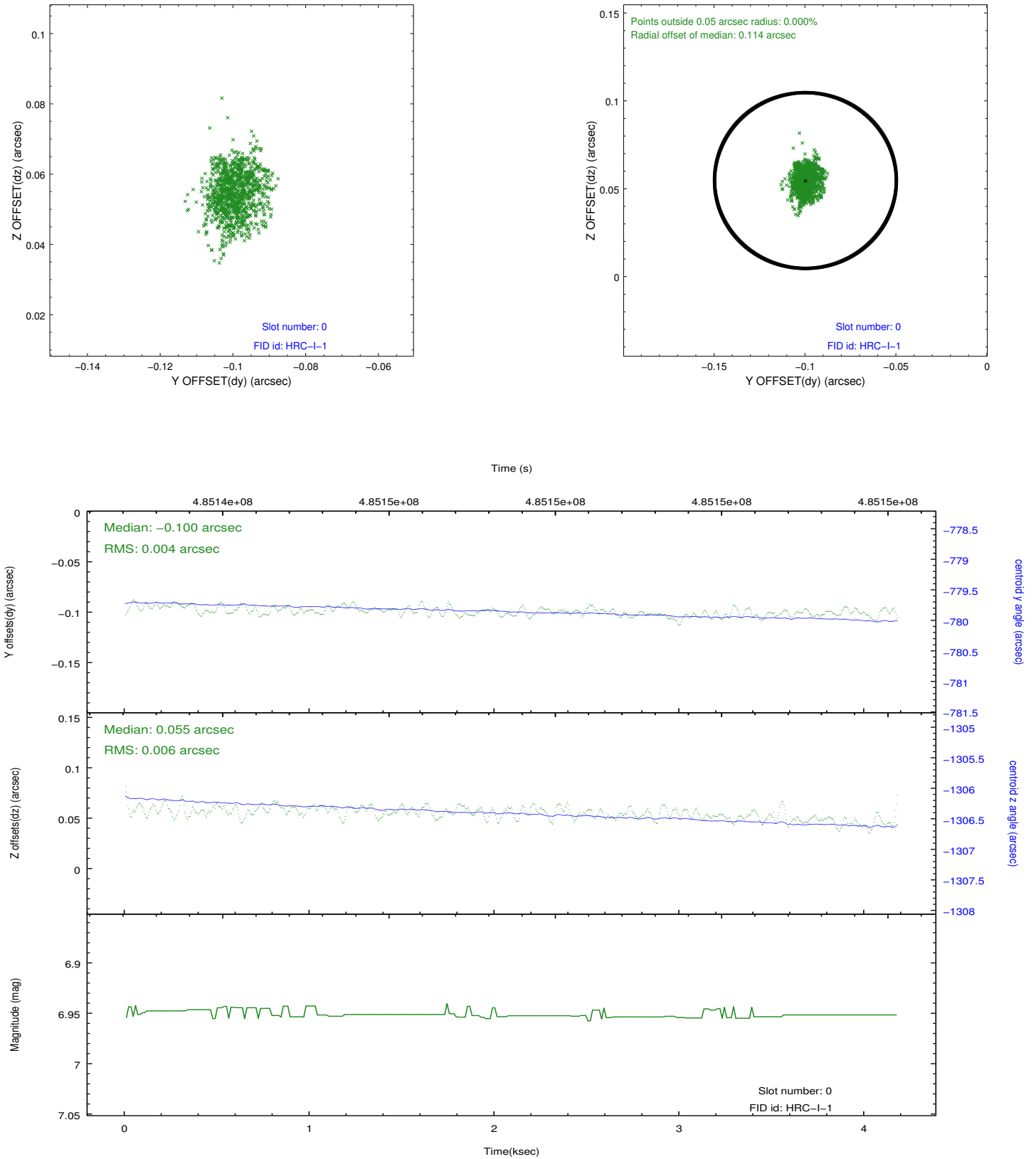


2.4.5 Slot 7

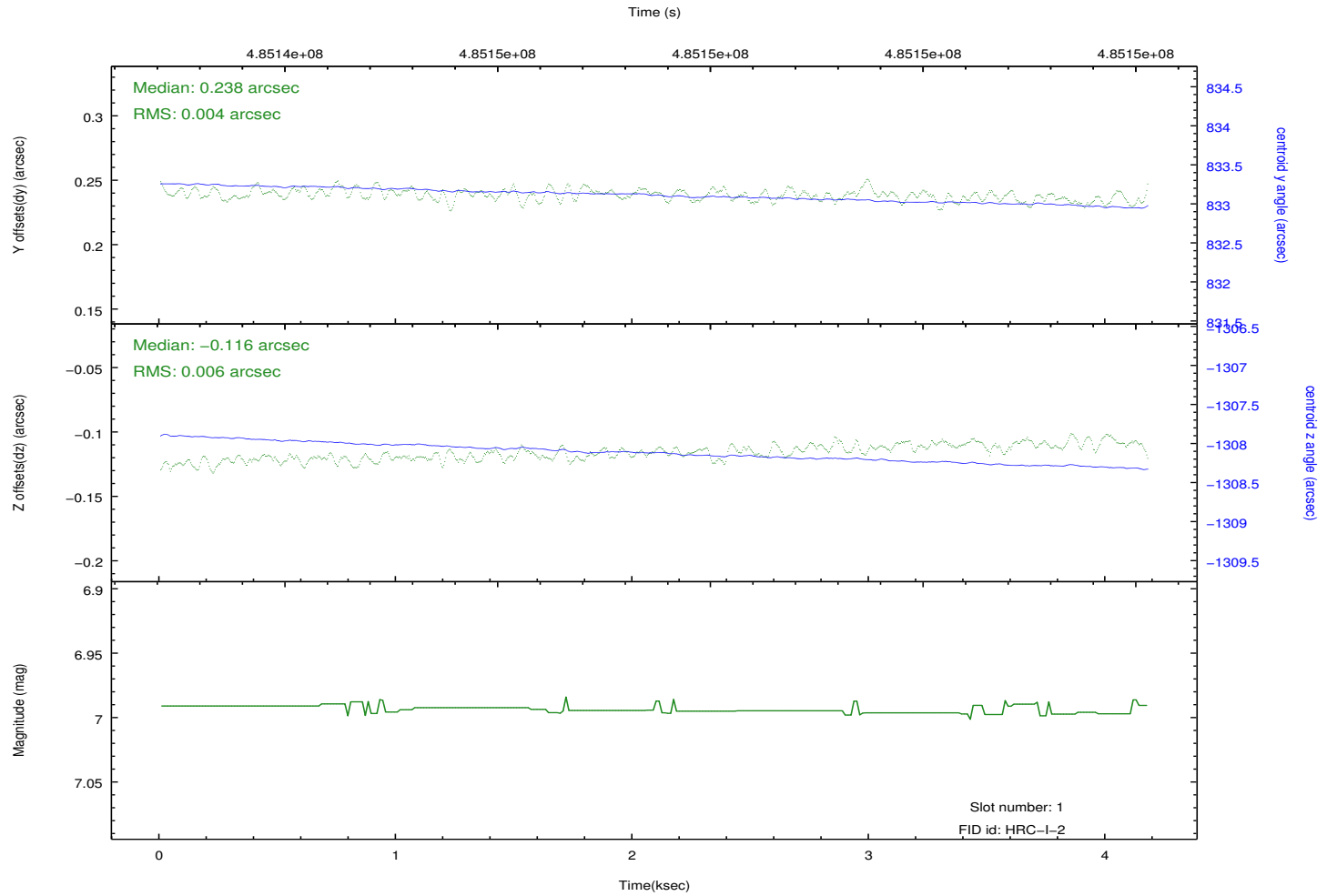
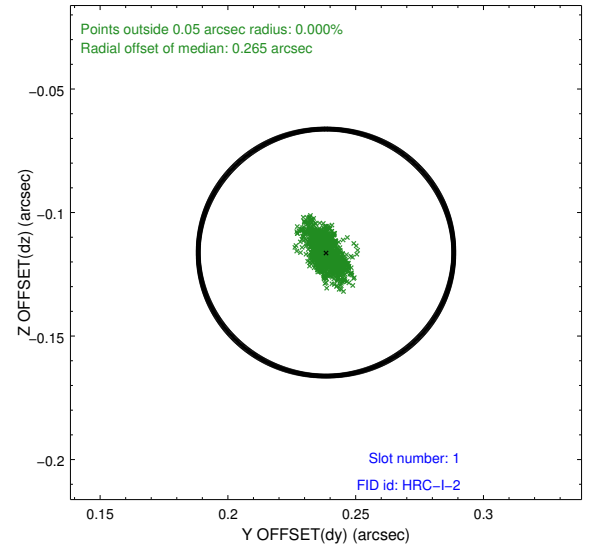
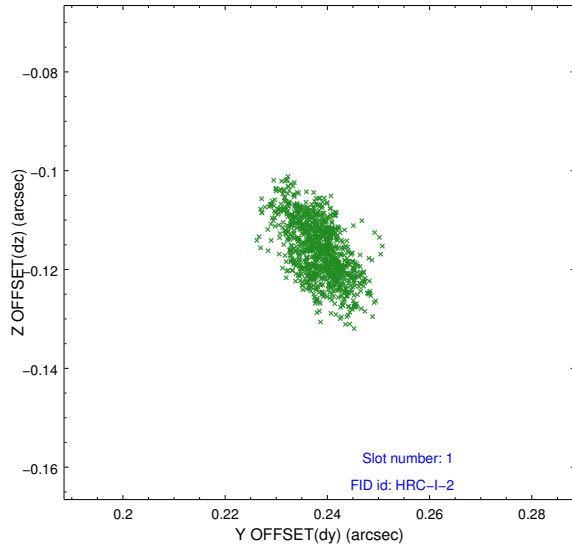


2.5 FID Slots

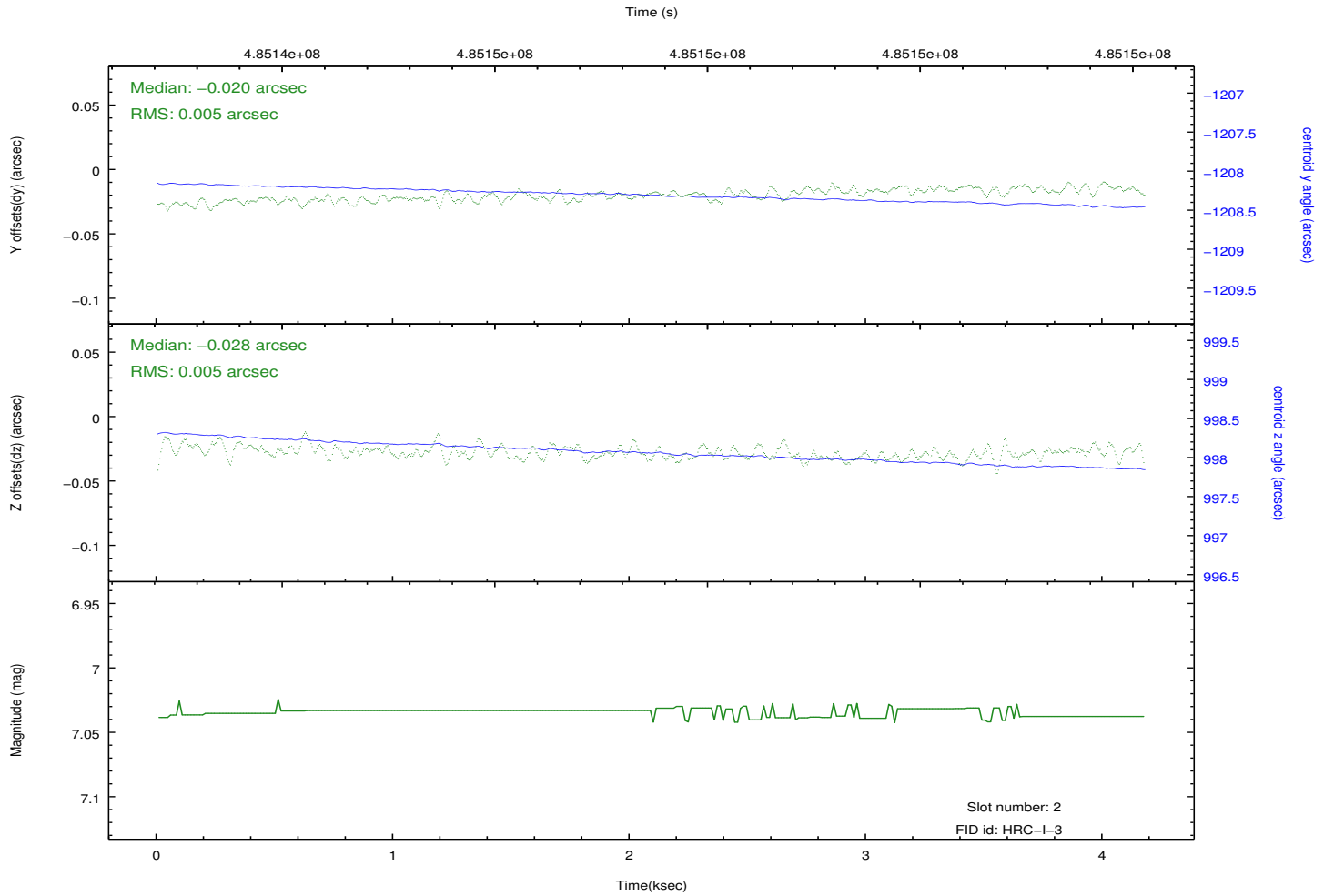
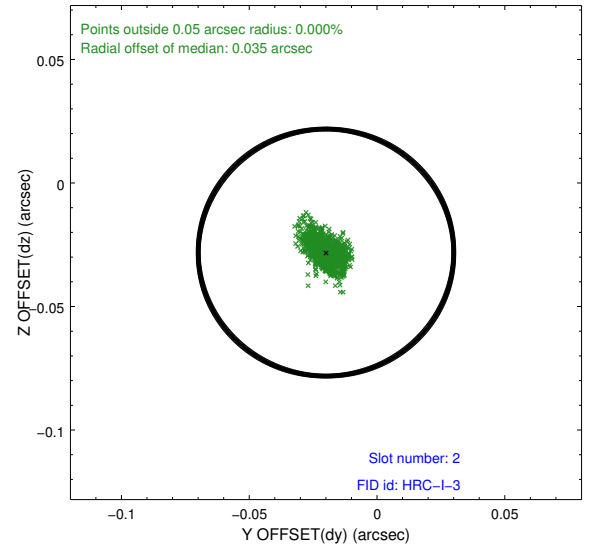
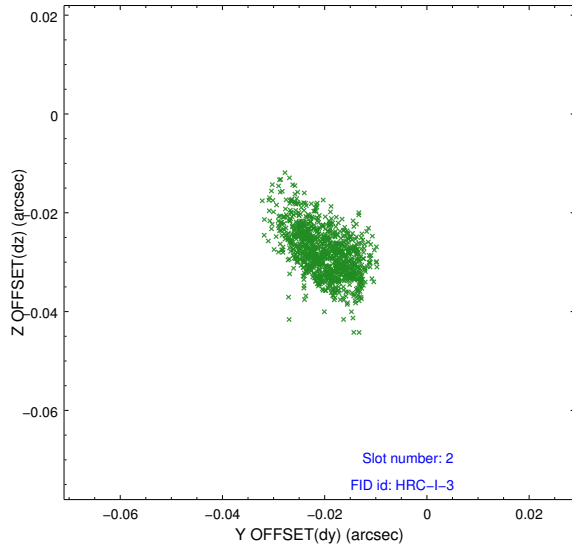
2.5.1 Slot 0



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	4.1771314762831

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.