

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15404 - L2 Version 2
Chandra X-Ray Center

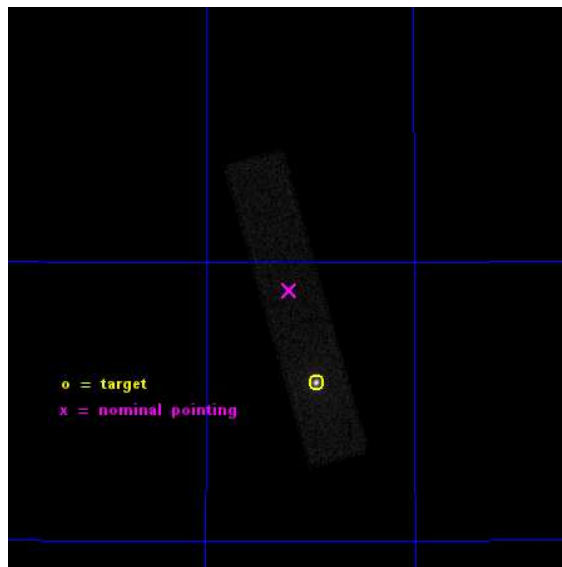
L2 Processing Date : Dec 1 2014

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1 Front

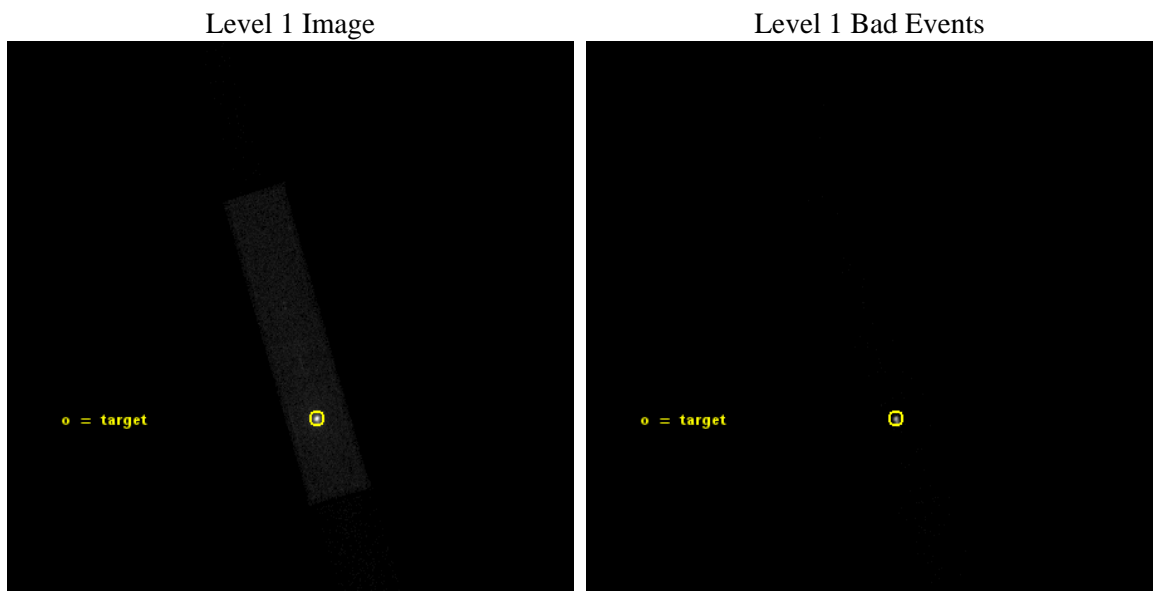
seq_num	291083	Sequence number
obs_id	15404	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.2995252491	Nominal RA [deg]
dec_nom	38.949294478087	Nominal Dec [deg]
roll_nom	73.315539176261	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1153.3813124299	[s]
livetime	991.96416731222	Ontime multiplied by DTCOR
l2events	201398	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	1153.3813124299	[s]
caldbver	4.6.4	 	l1events	268126	Number of level 1 events
date	2014-12-01T19:10:35	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

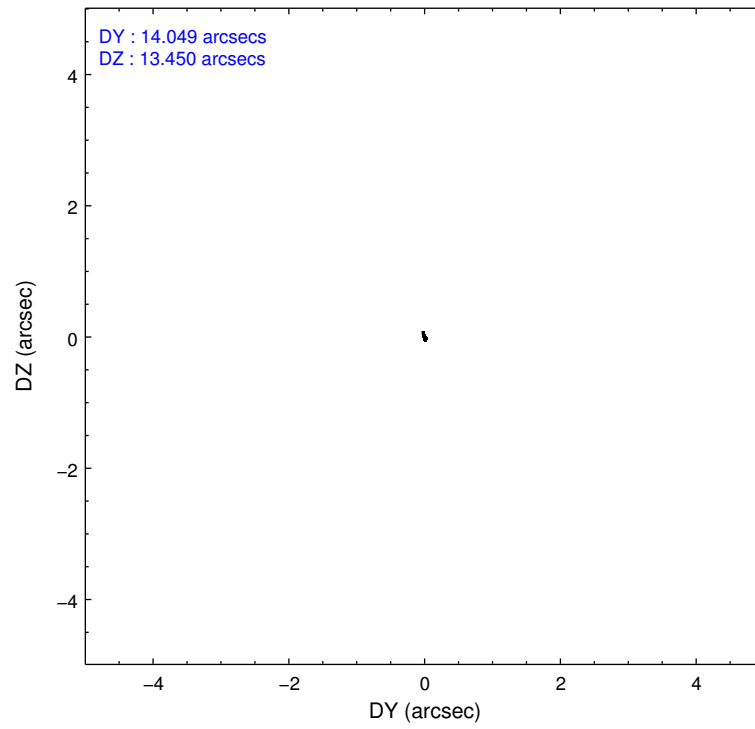
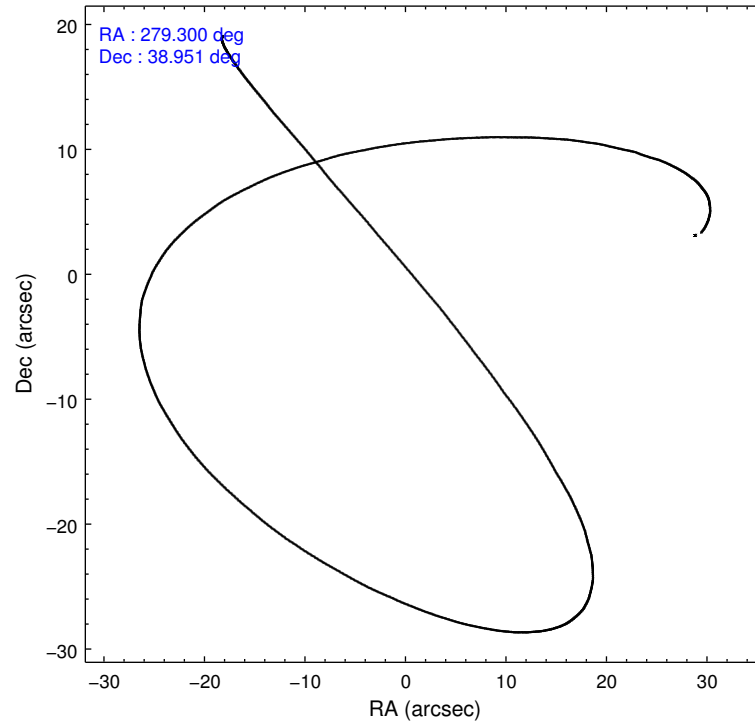
	segment 1	segment 2	segment 3
level 1 events	5541	261378	1207
rejected events	5487	48731	1185
rejected %	99%	18%	98%

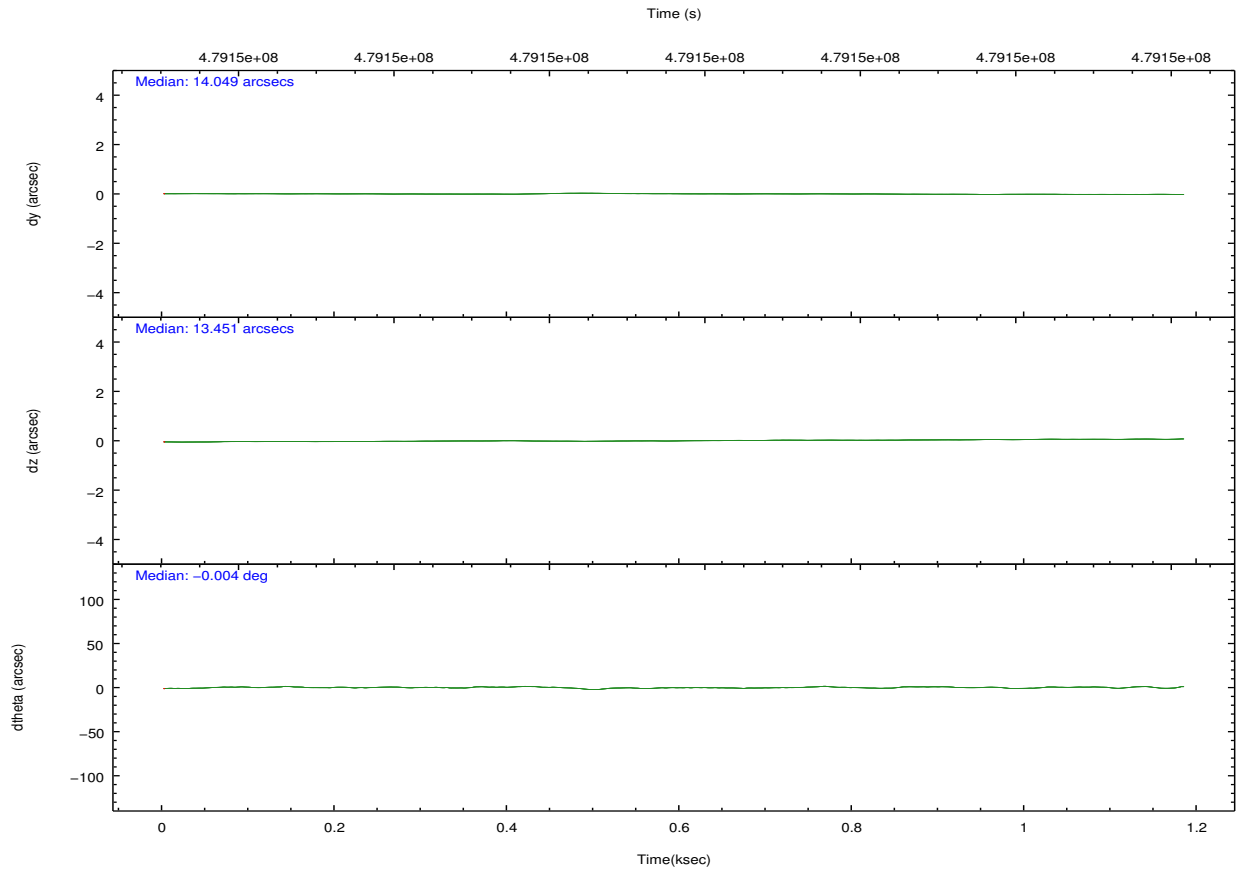
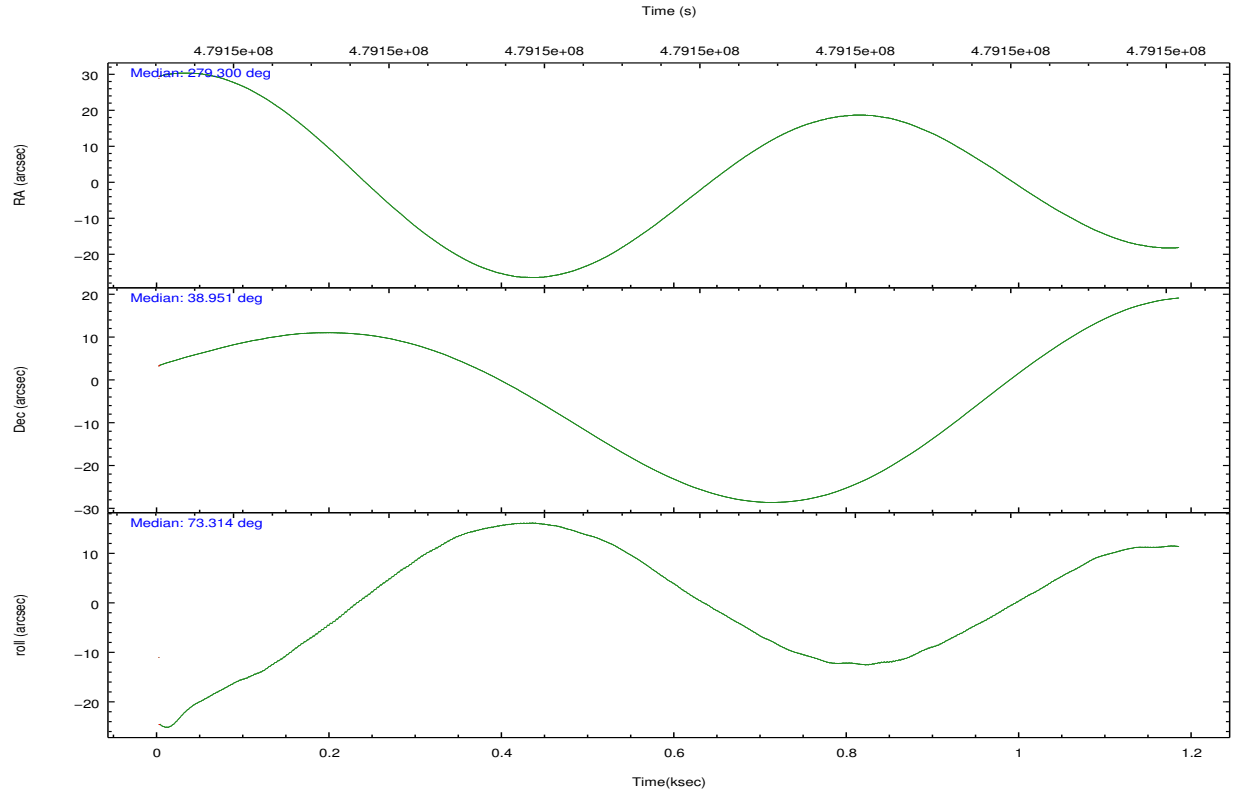
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.309583	279.2995252491023
[deg] Pointing Dec	38.921336	38.9492944780872
[deg] Pointing Roll	73.241927	73.31553917626087
[s] Window start time (MET)	478483267.184000	478483267.184000
[s] Window stop time (MET)	483667267.184000	483667267.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	479146555.184000	479146178.70232
Observation start date	2013-03-08T16:14:48	2013-03-08T16:09:38
[s] Observation end time (MET)	479147555.184000	479147689.0399
Observation end date	2013-03-08T16:31:28	2013-03-08T16:34:49

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

2.3 Aspect



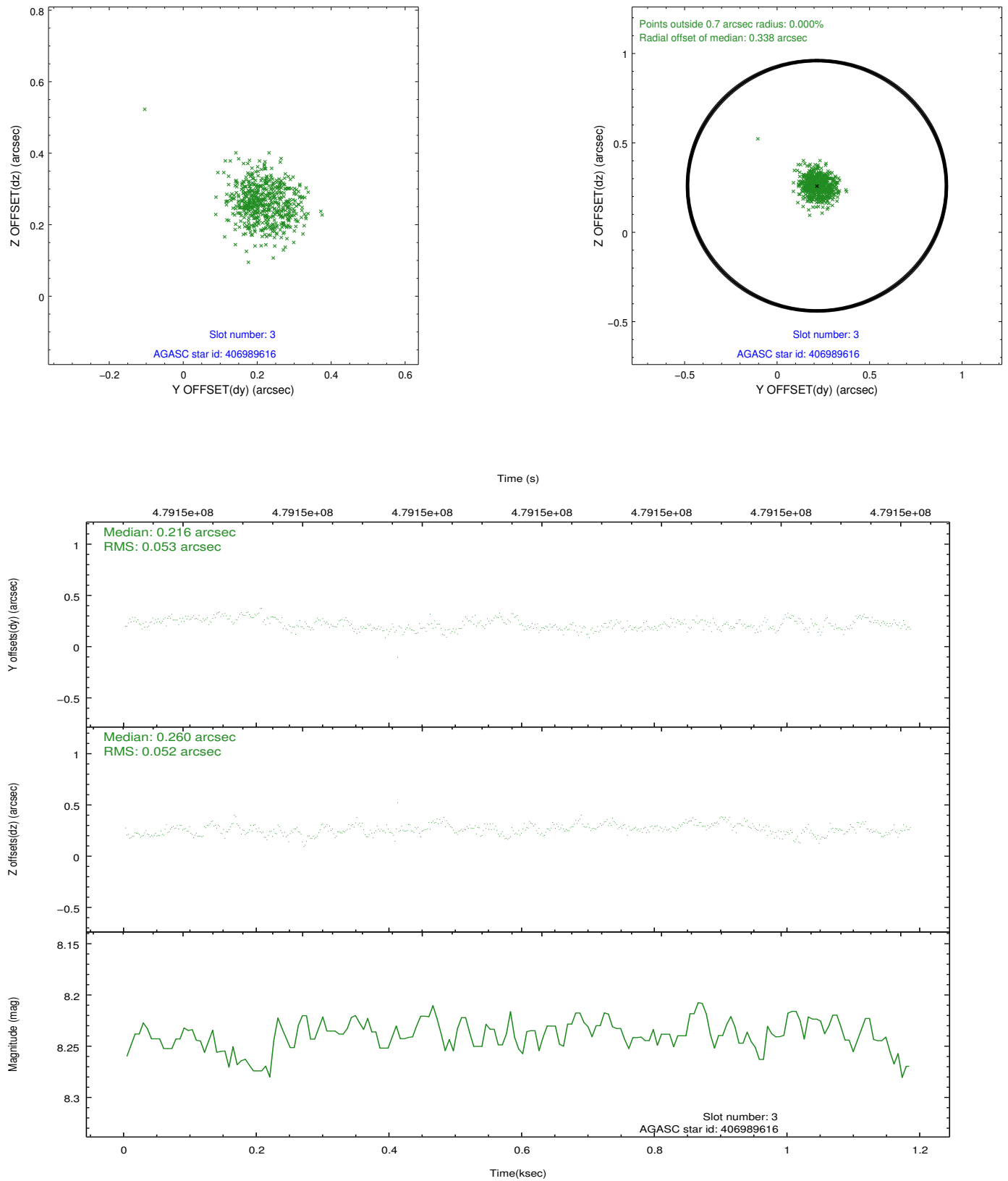


Slot Statistics

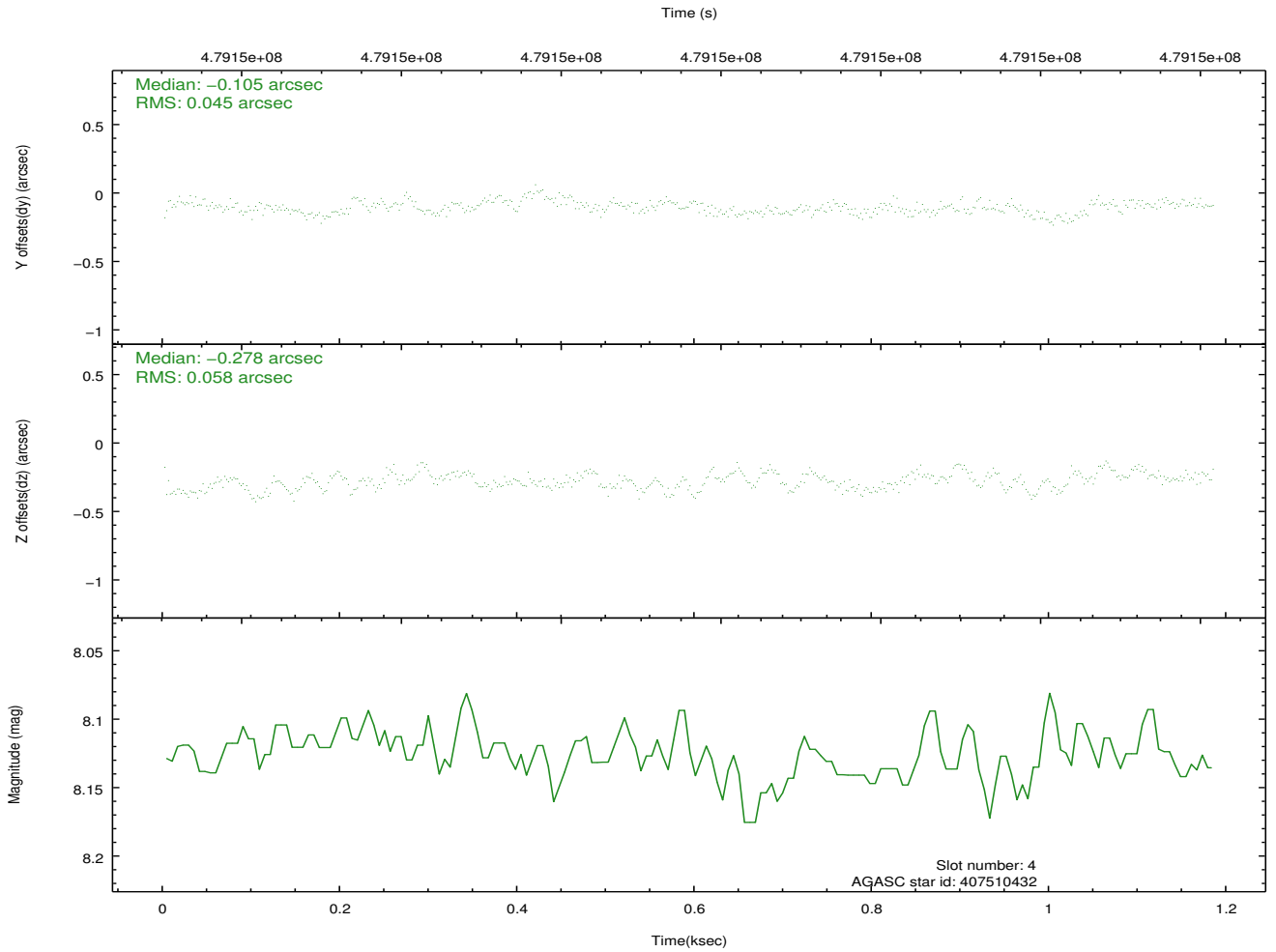
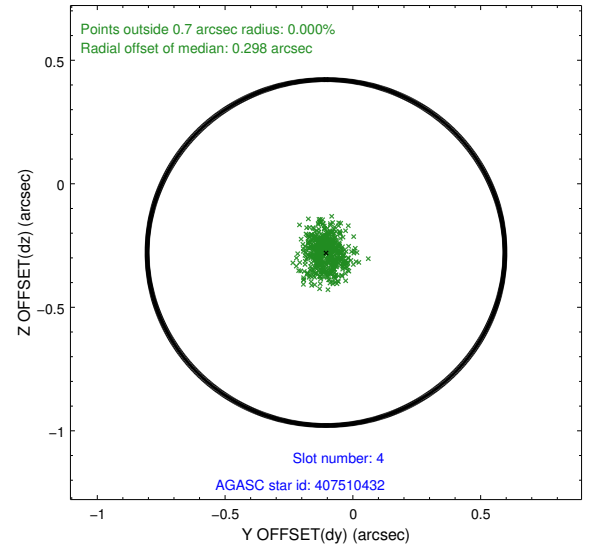
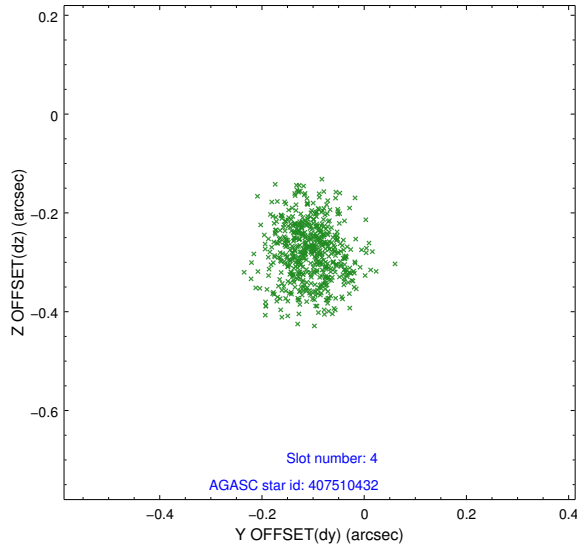
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.01	289	0.068	-0.166	0.008	0.012	0.000000	0.000000	-1168.43	-462.27
1	FID		HRC-S-2	6.98	289	0.221	-0.113	0.005	0.011	0.000000	0.000000	1227.34	-456.44
2	FID		HRC-S-3	7.00	289	0.101	-0.024	0.007	0.012	0.000000	0.000000	-1166.87	565.81
3	GUIDE	used	406989616	8.24	578	0.216	0.260	0.077	0.124	279.202881	38.520843	-1468.23	-127.33
4	GUIDE	used	407510432	8.13	578	-0.105	-0.278	0.079	0.128	278.762778	39.530640	1662.86	2087.52
5	GUIDE	used	407513096	8.16	578	-0.257	0.184	0.068	0.117	279.928965	39.436841	2280.41	-1108.04
6	GUIDE	used	407521232	8.64	578	0.009	0.071	0.108	0.168	279.628883	39.431715	2019.36	-321.37
7	GUIDE	used	406987272	6.94	577	0.143	-0.234	0.067	0.110	278.536588	38.437504	-2284.79	1587.72

2.4 Star Slots

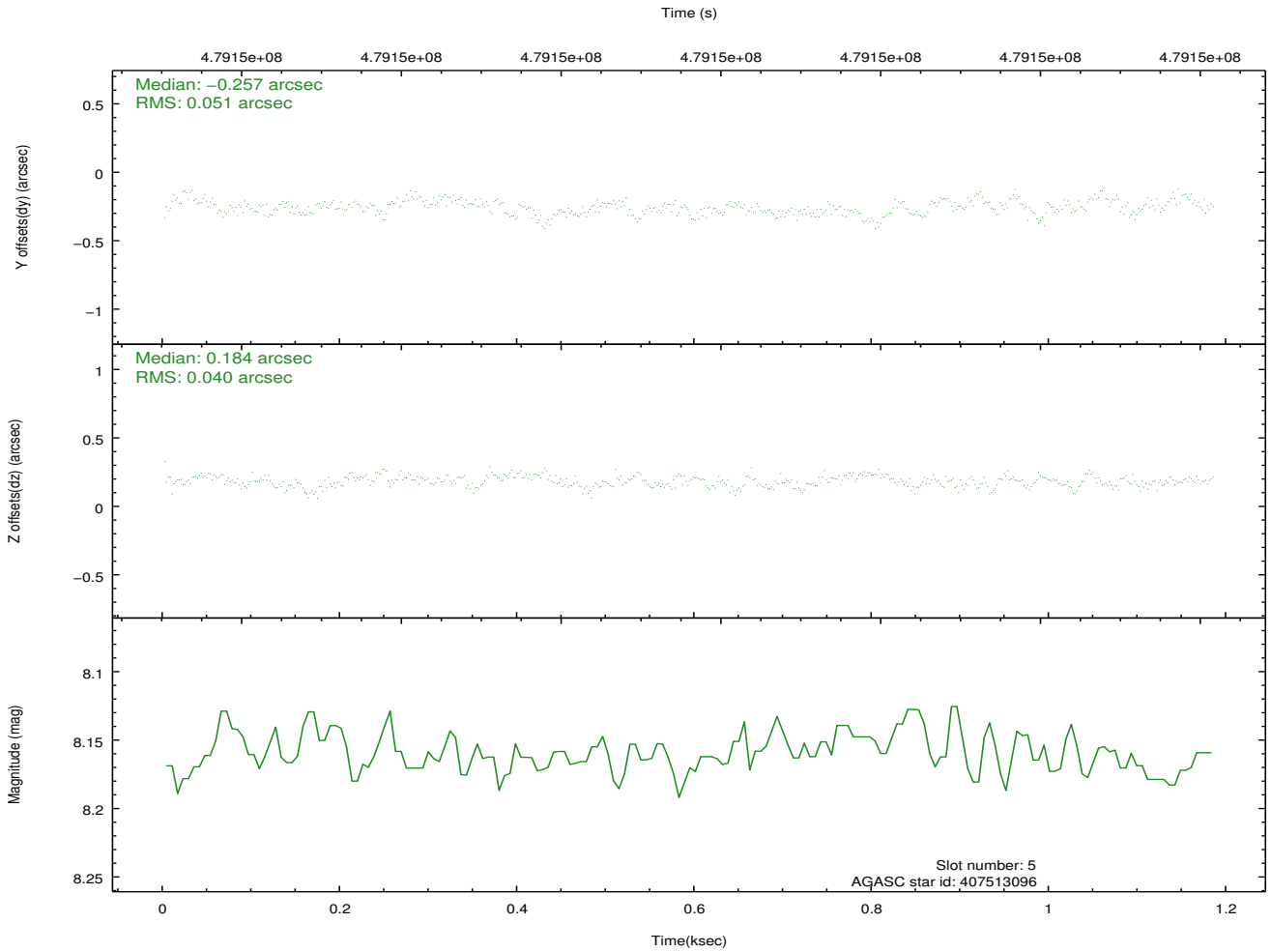
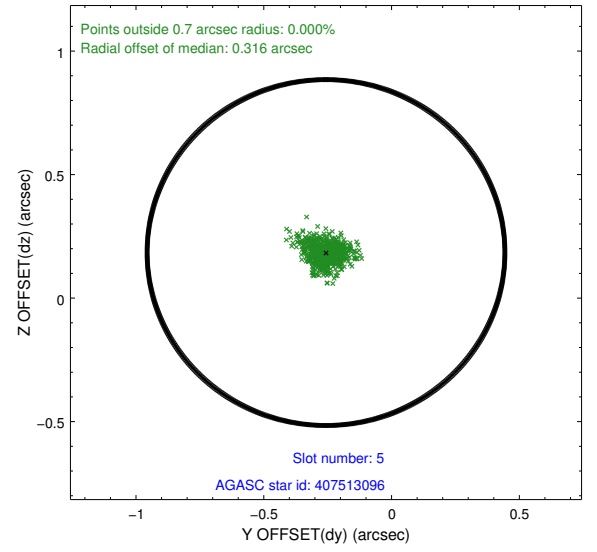
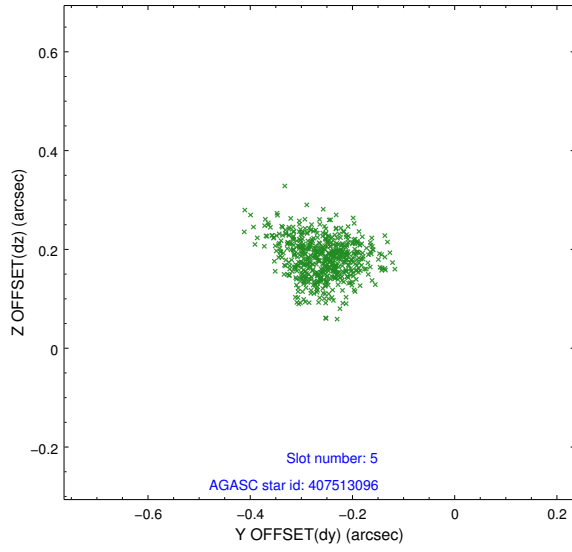
2.4.1 Slot 3



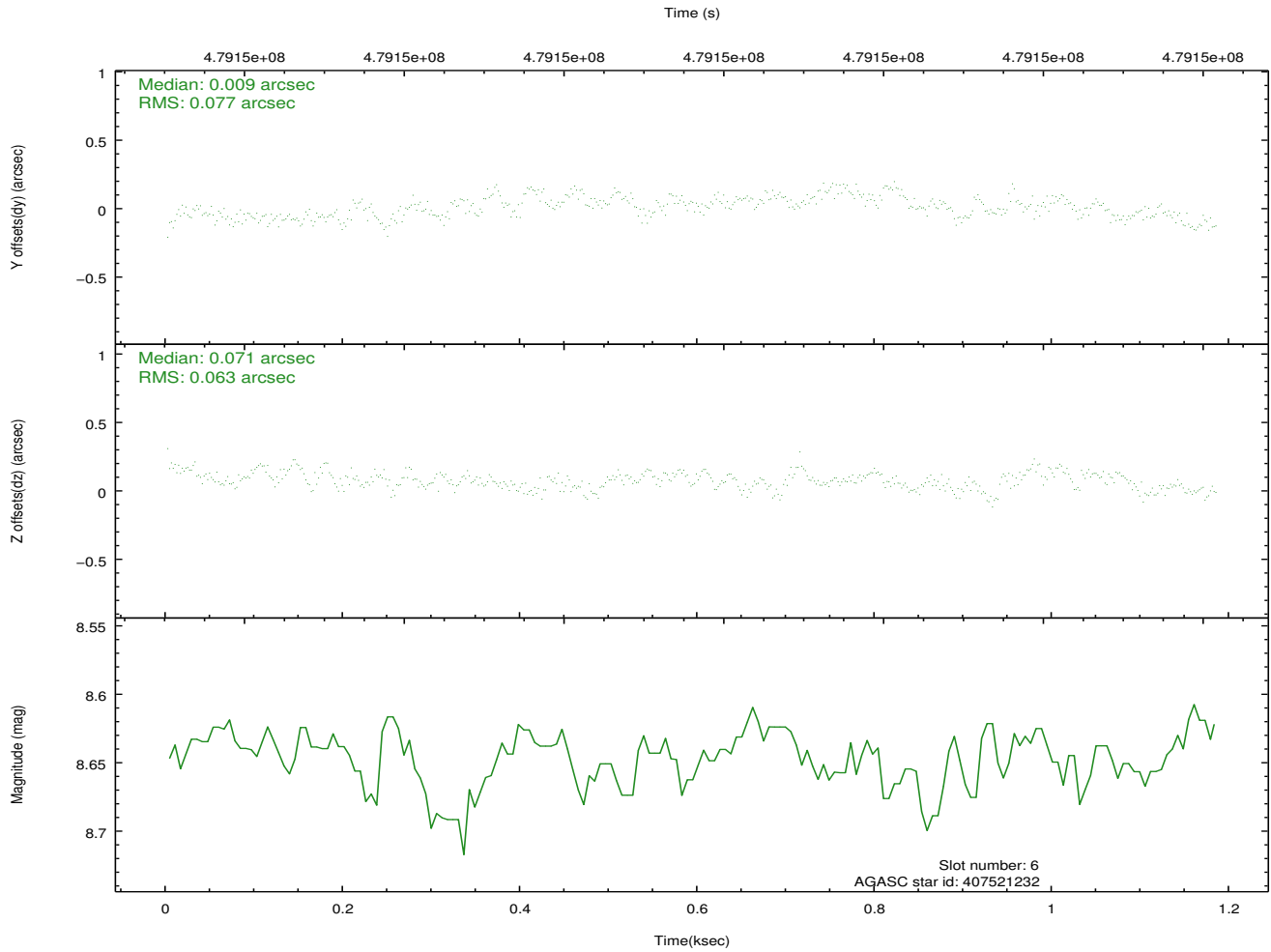
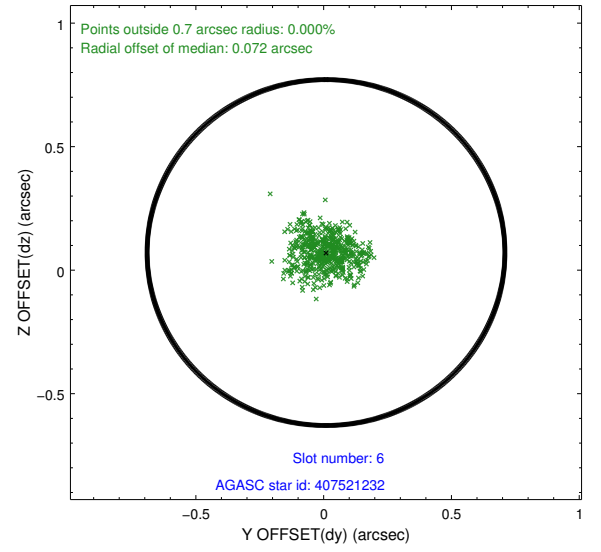
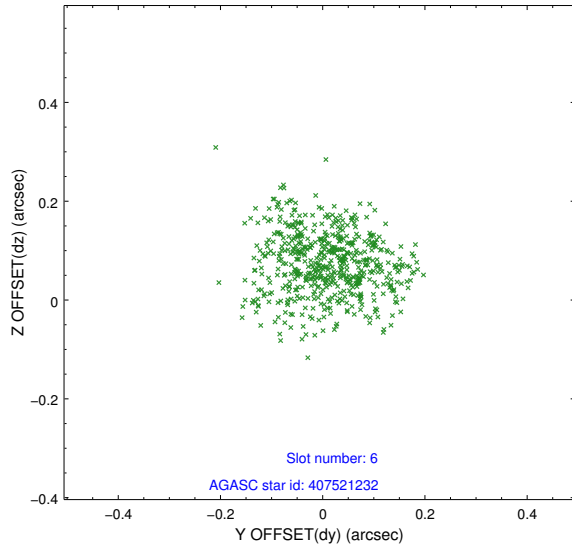
2.4.2 Slot 4



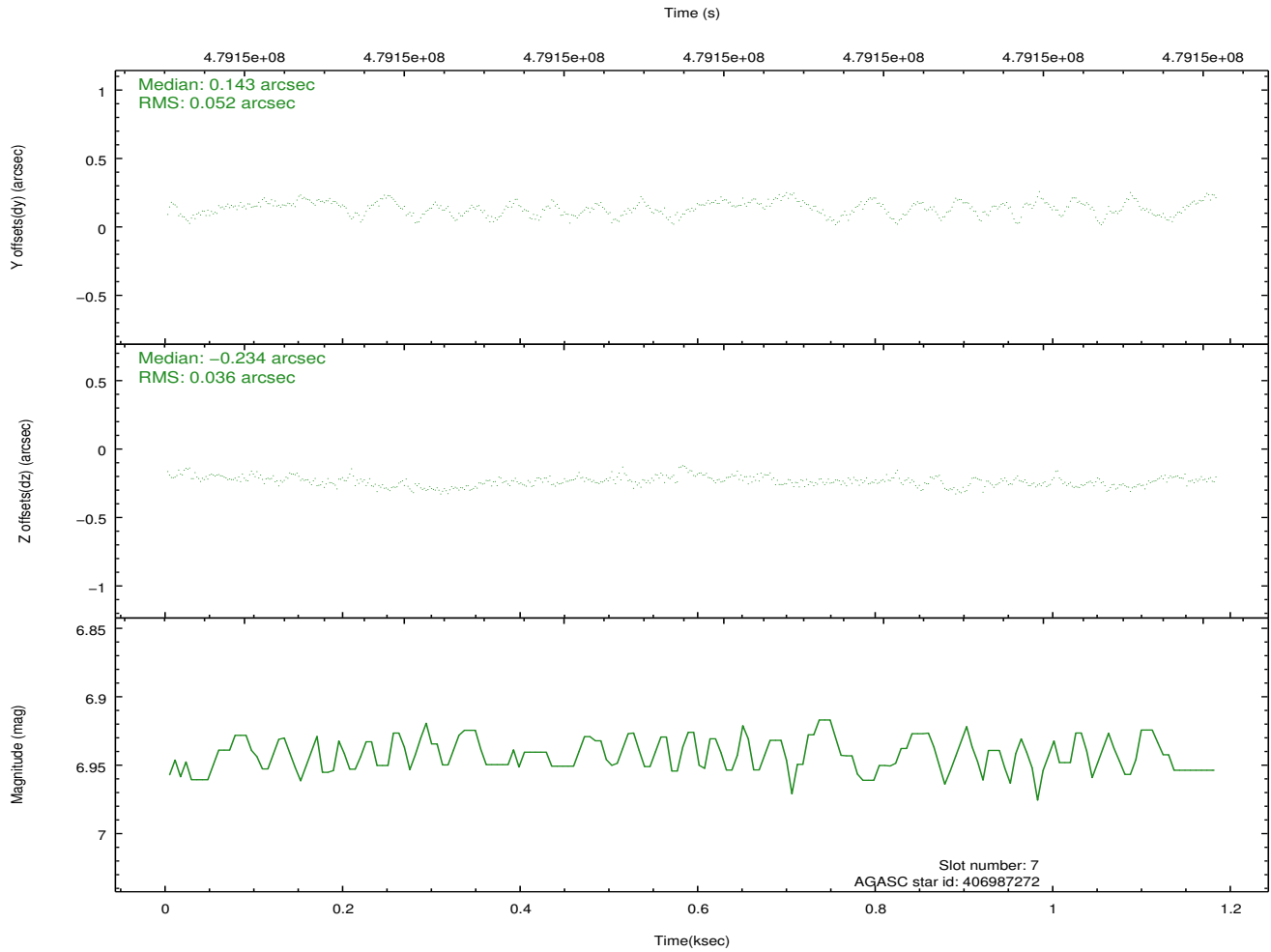
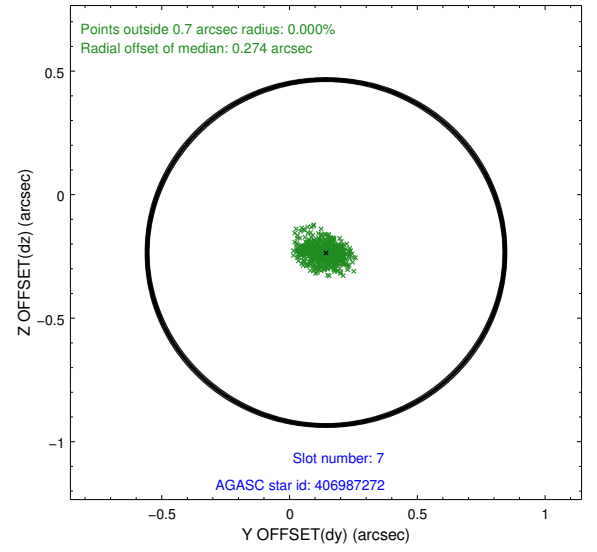
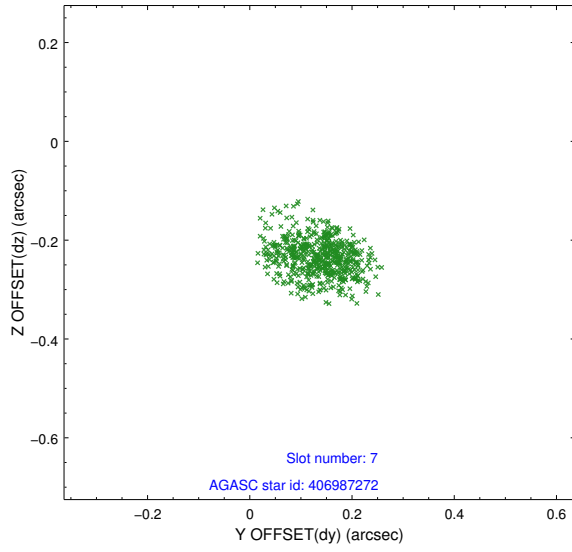
2.4.3 Slot 5



2.4.4 Slot 6

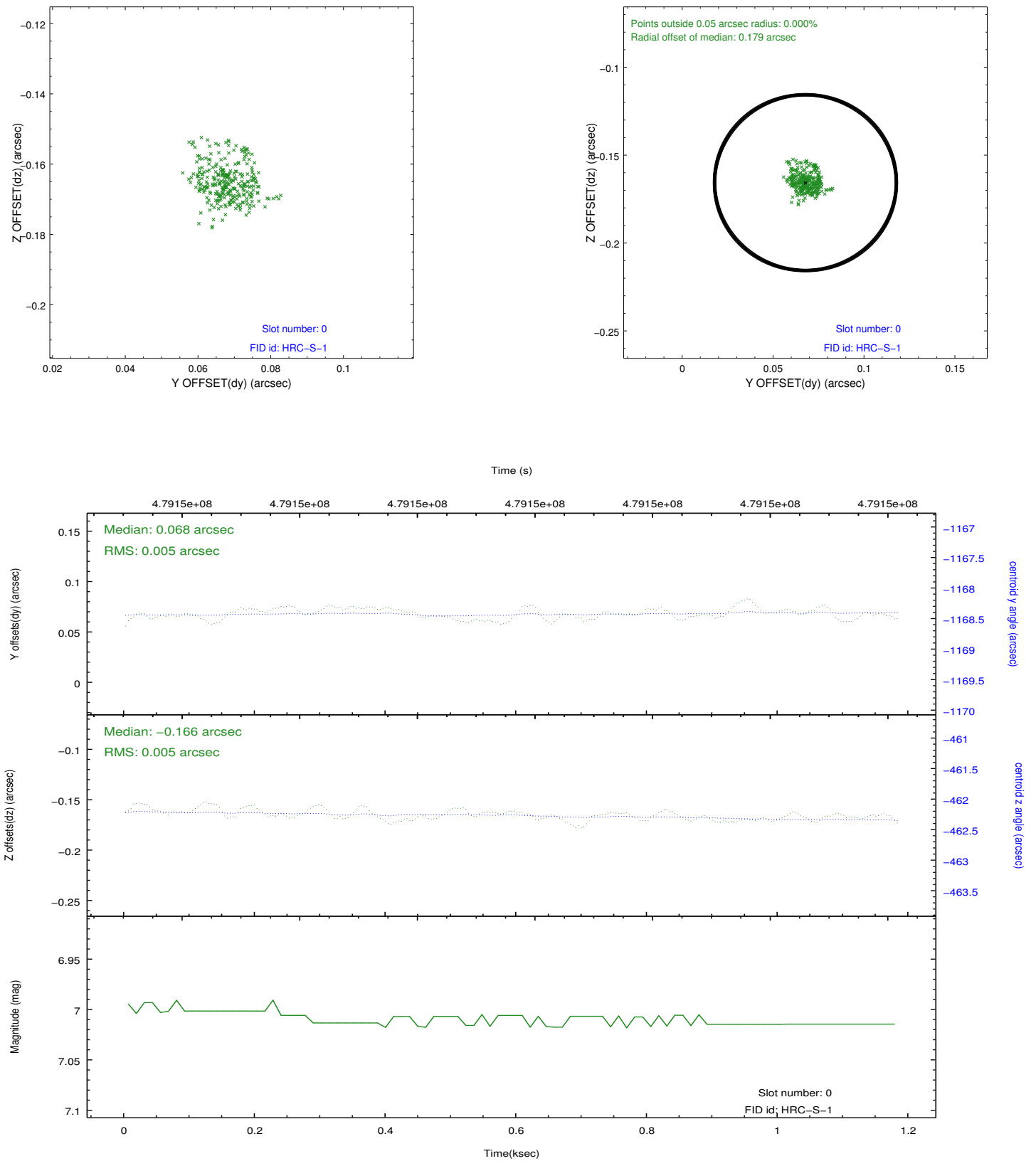


2.4.5 Slot 7

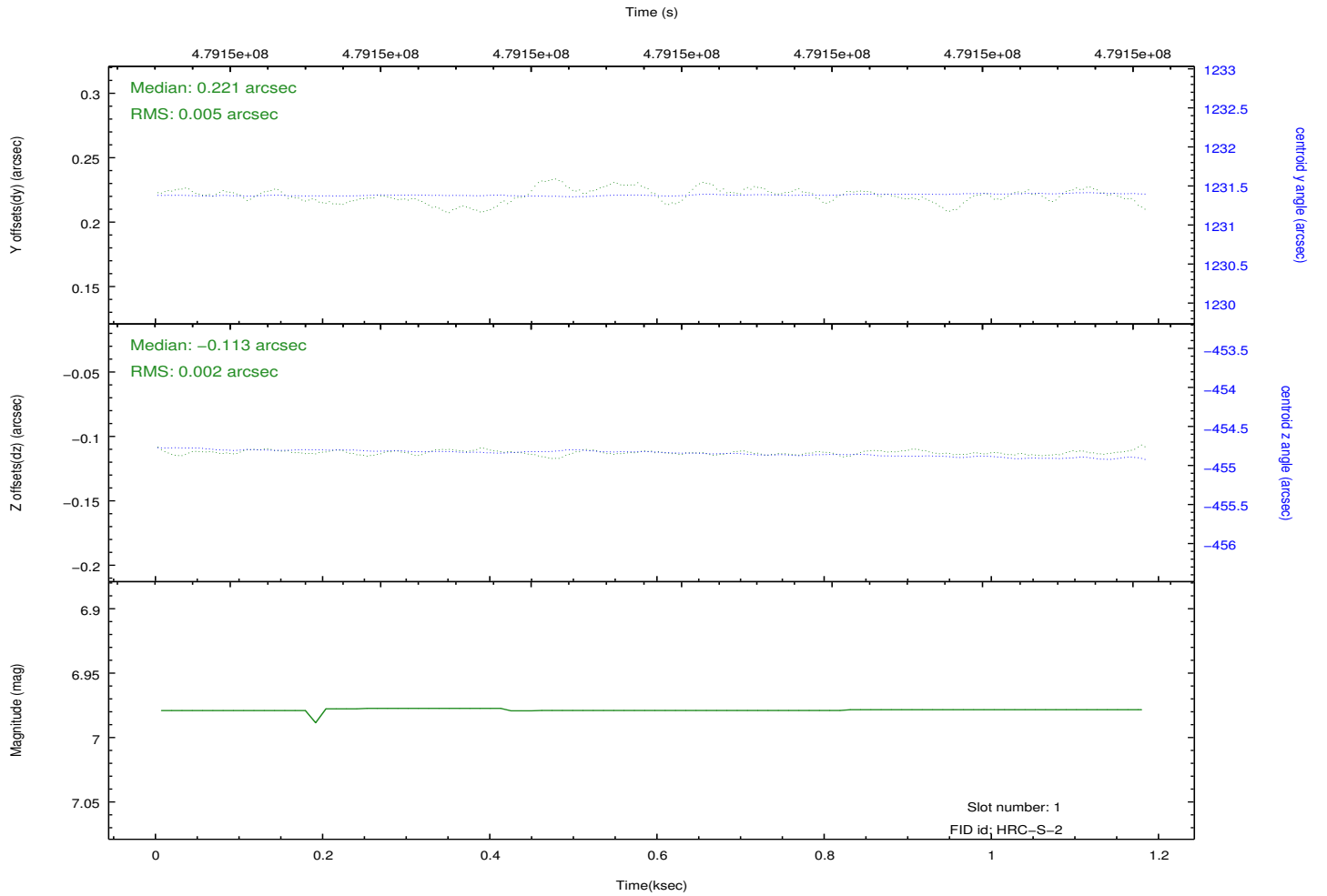
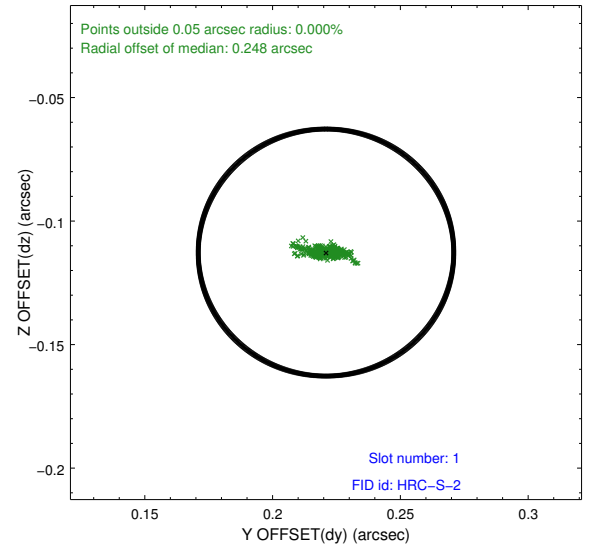
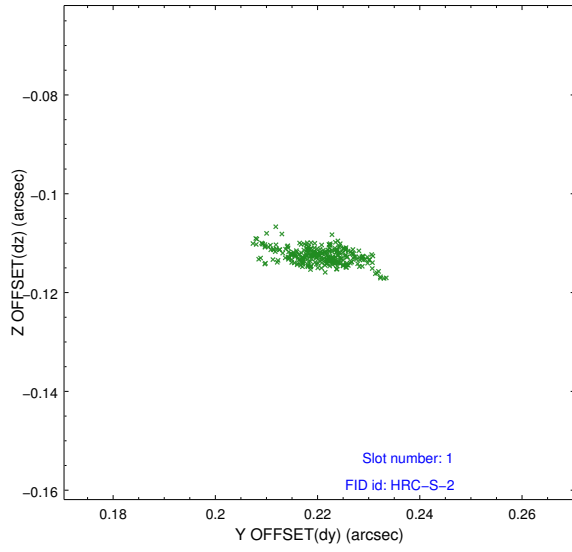


2.5 FID Slots

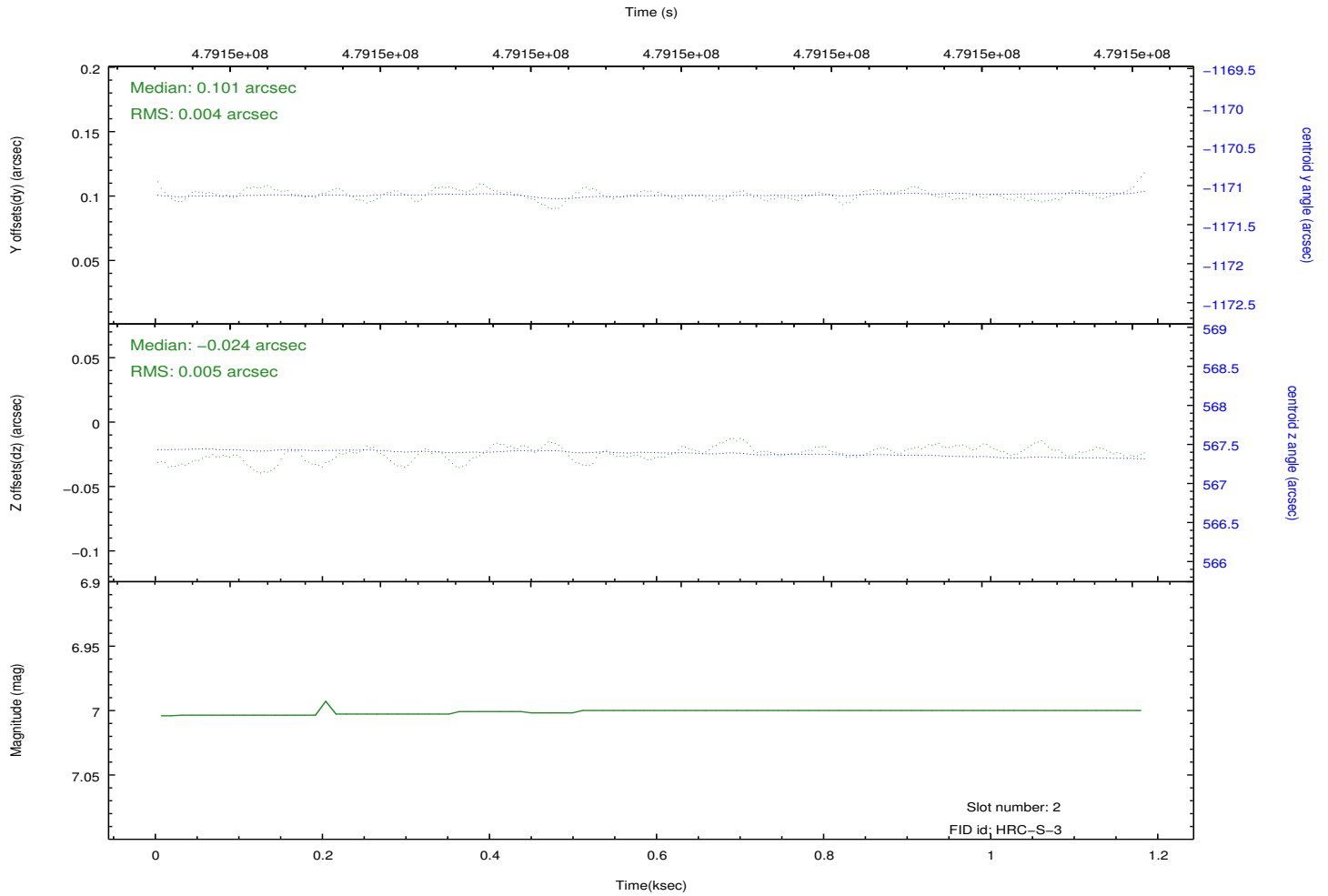
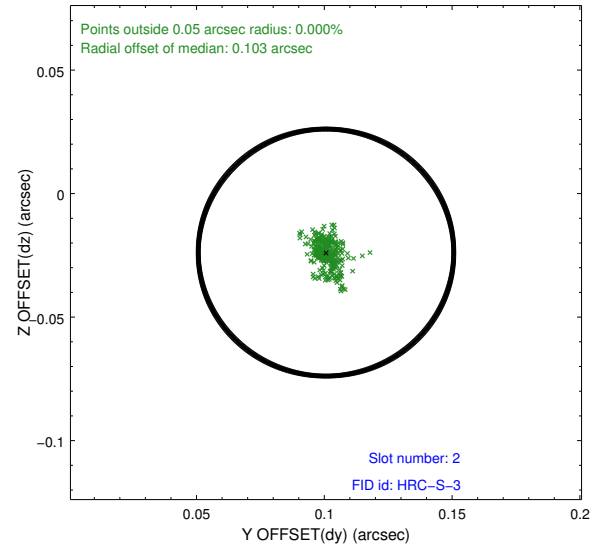
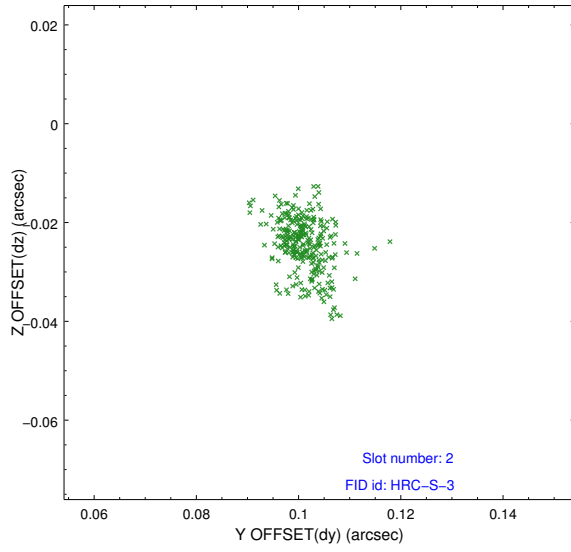
2.5.1 Slot 0



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)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813124299

A.2 Comments

Window preference met.

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.