

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15403 - L2 Version 2
Chandra X-Ray Center

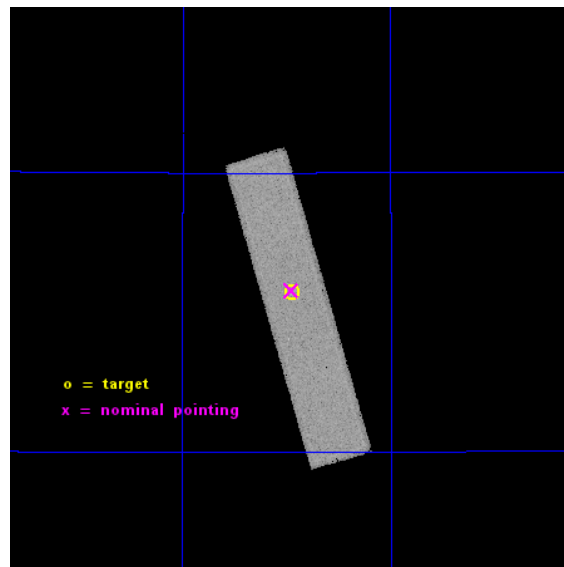
L2 Processing Date : Dec 1 2014

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1 Front

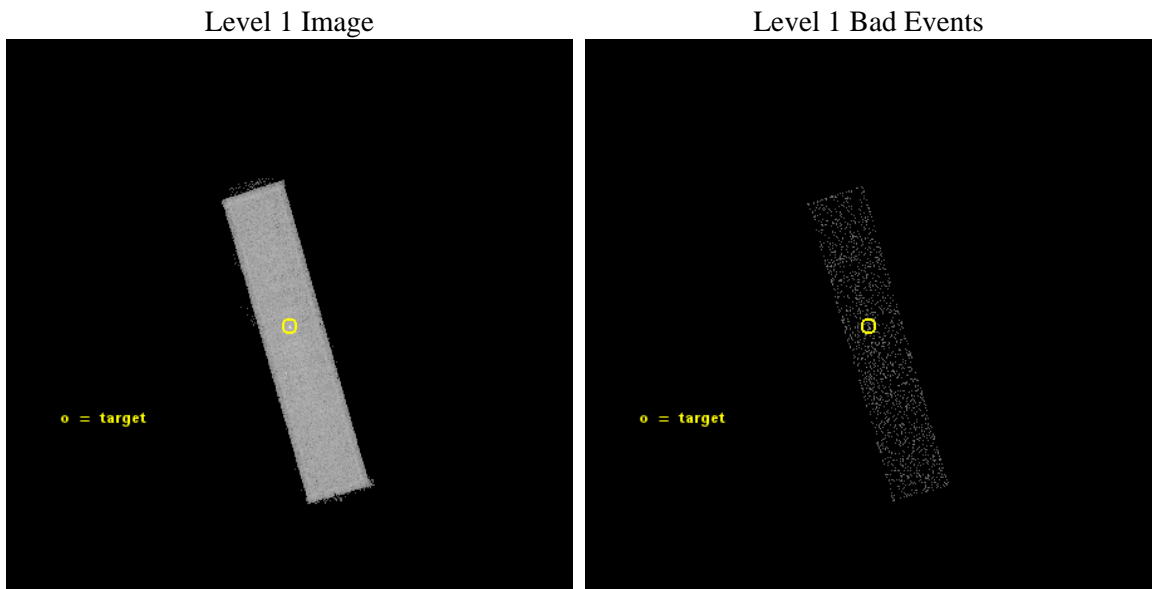
seq_num	291082	Sequence number
obs_id	15403	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.2380090266	Nominal RA [deg]
dec_nom	38.78931077998	Nominal Dec [deg]
roll_nom	73.367346745017	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2141.4813659191	[s]
livetime	2126.6968472926	Ontime multiplied by DTCOR
l2events	97573	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	2141.4813659191	[s]
caldbver	4.6.4	 	l1events	131832	Number of level 1 events
date	2014-12-02T00:10:08	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

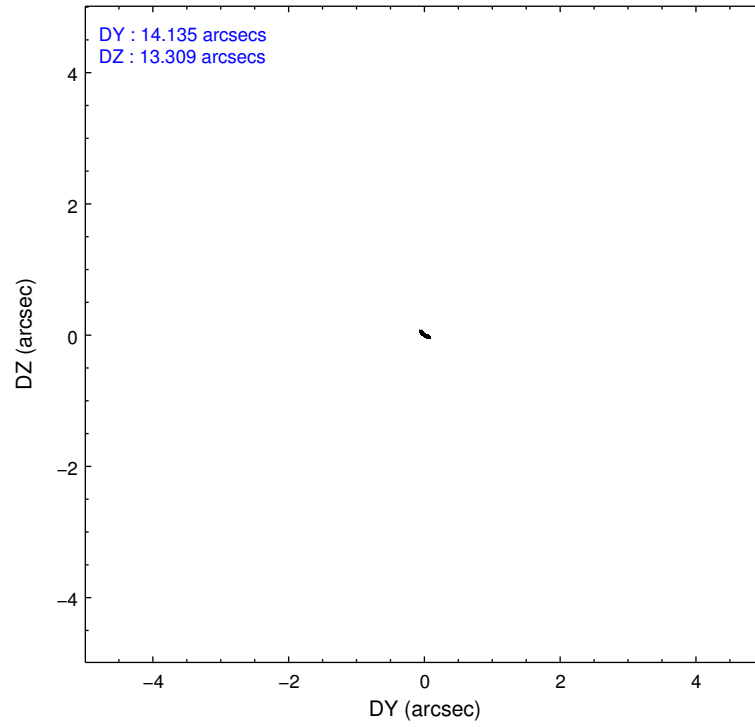
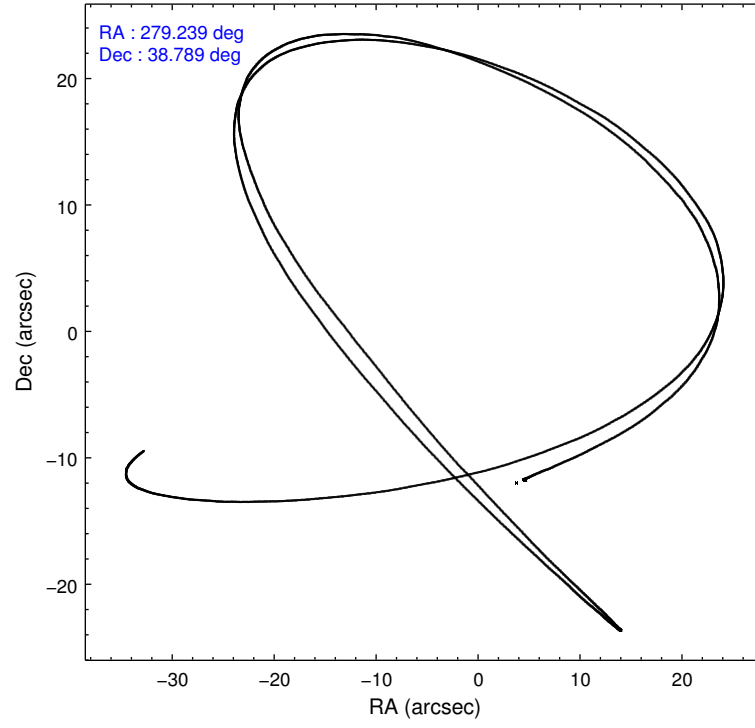
	segment 1	segment 2	segment 3
level 1 events	0	131832	0
rejected events	0	11299	0
rejected %	0%	8%	0%

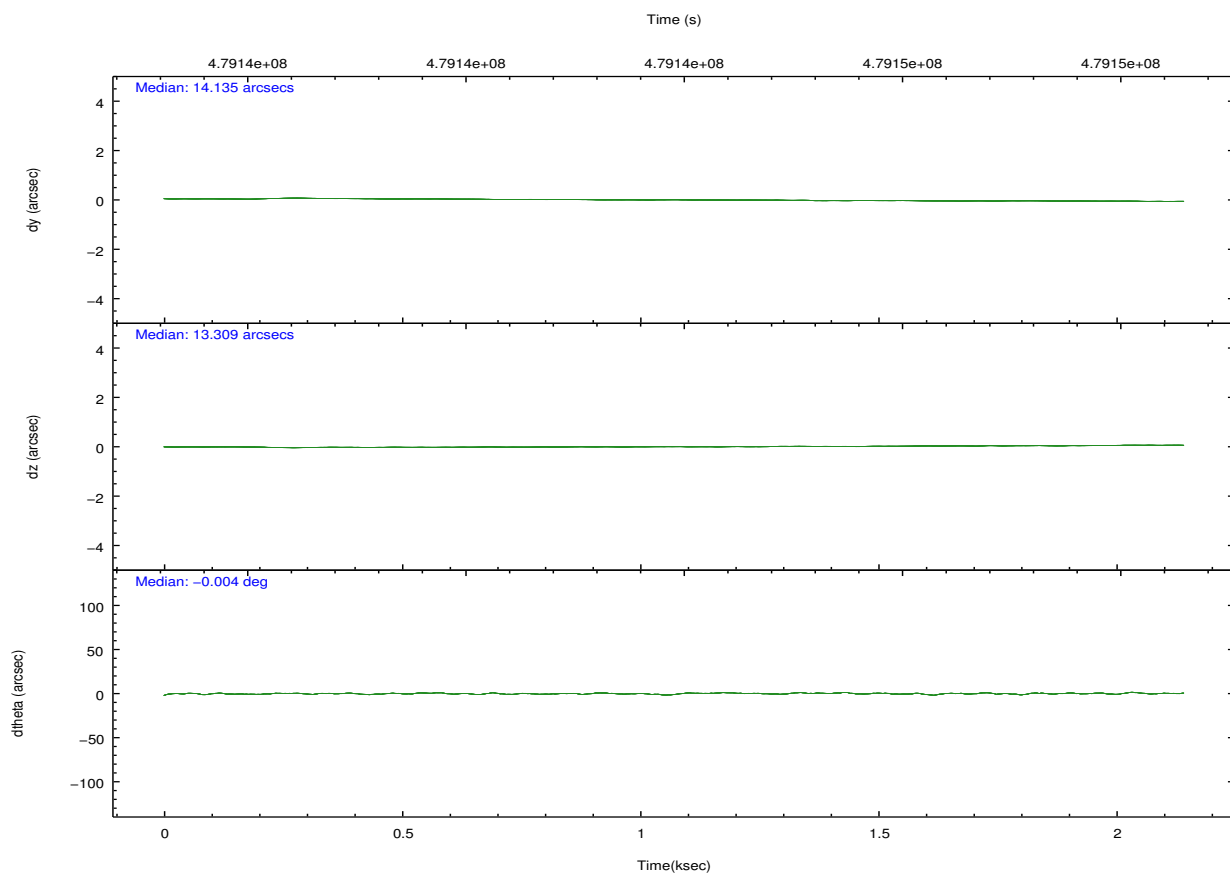
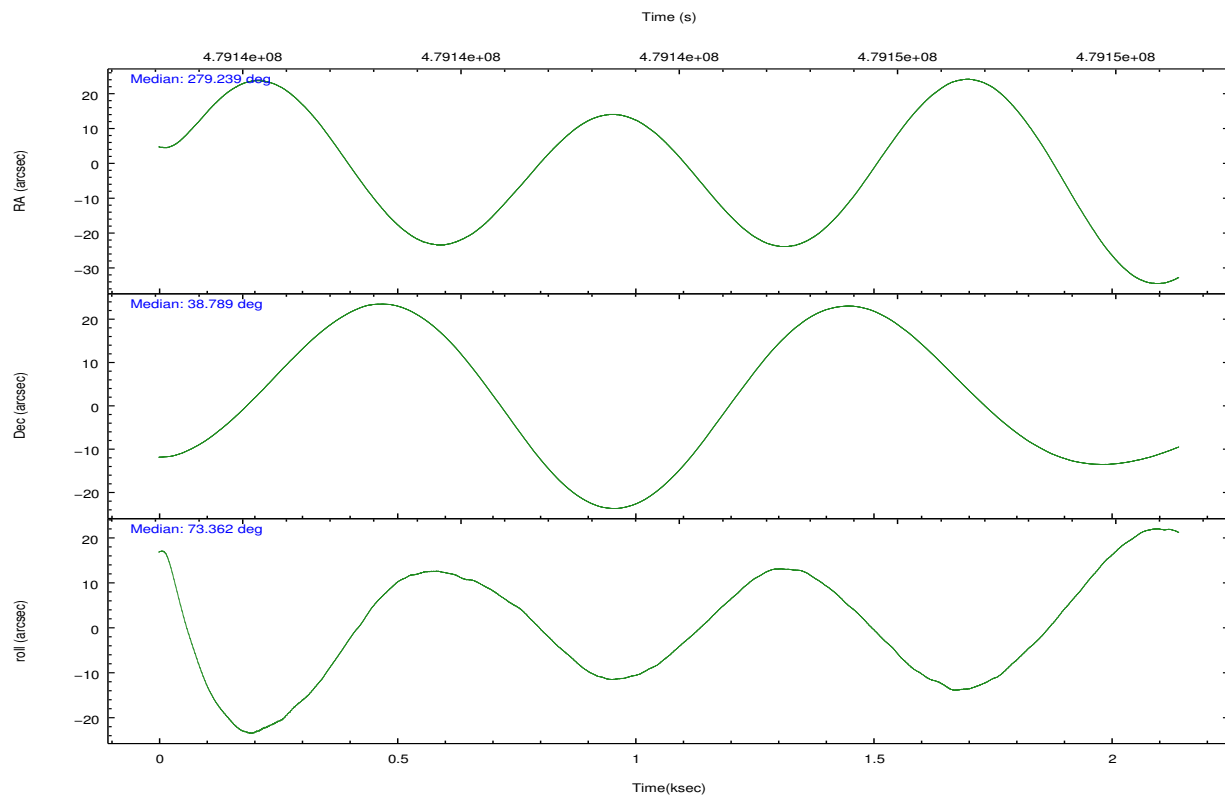
2.2 Compared Parameters

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	279.247961	279.2380090266004
[deg] Pointing Dec	38.761729	38.78931077997955
[deg] Pointing Roll	73.293648	73.36734674501668
[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)	479144045.184000	479142954.05214
Observation start date	2013-03-08T15:32:58	2013-03-08T15:15:54
[s] Observation end time (MET)	479146045.184000	479146178.70232
Observation end date	2013-03-08T16:06:18	2013-03-08T16:09:38

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

2.3 Aspect



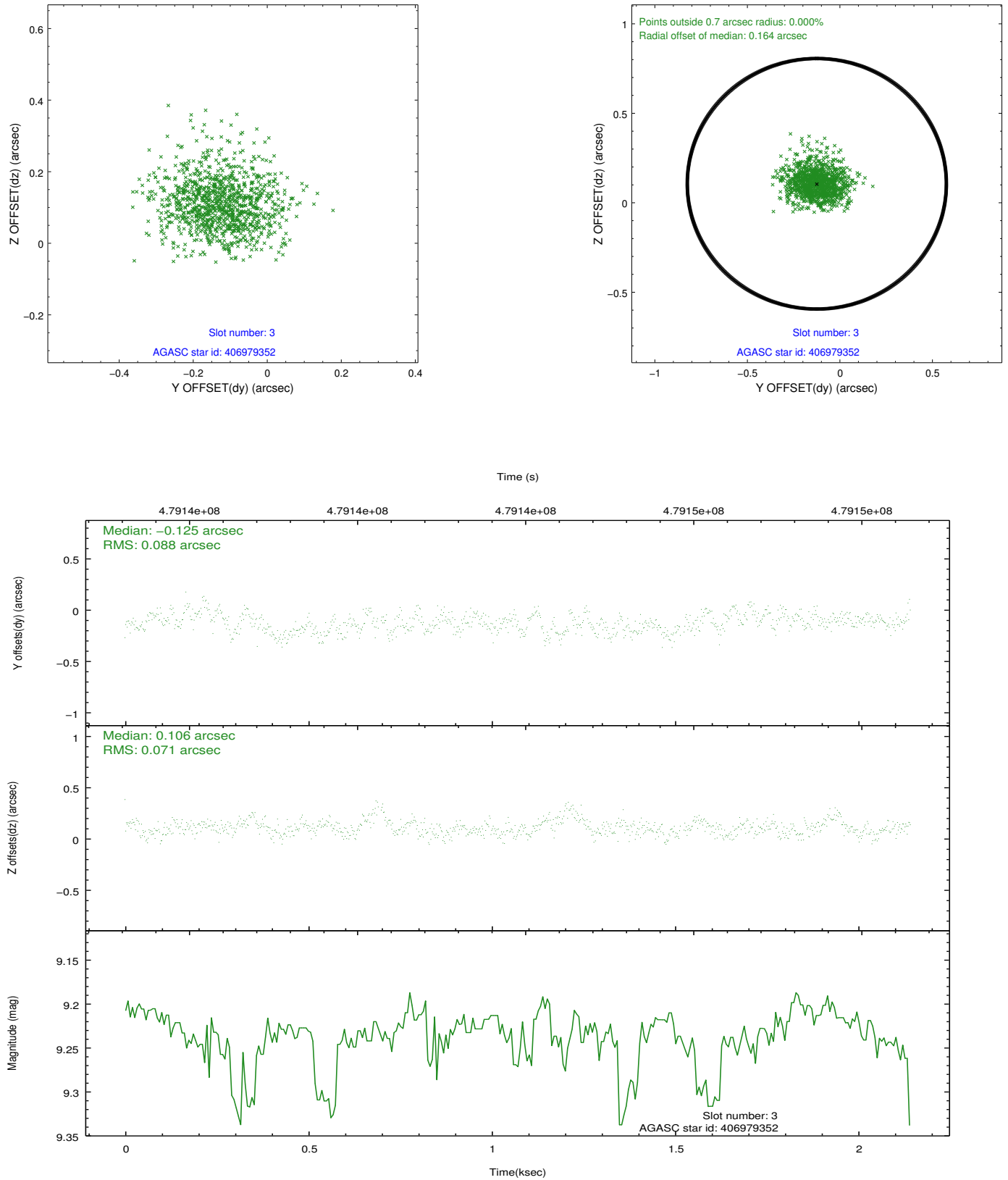


Slot Statistics

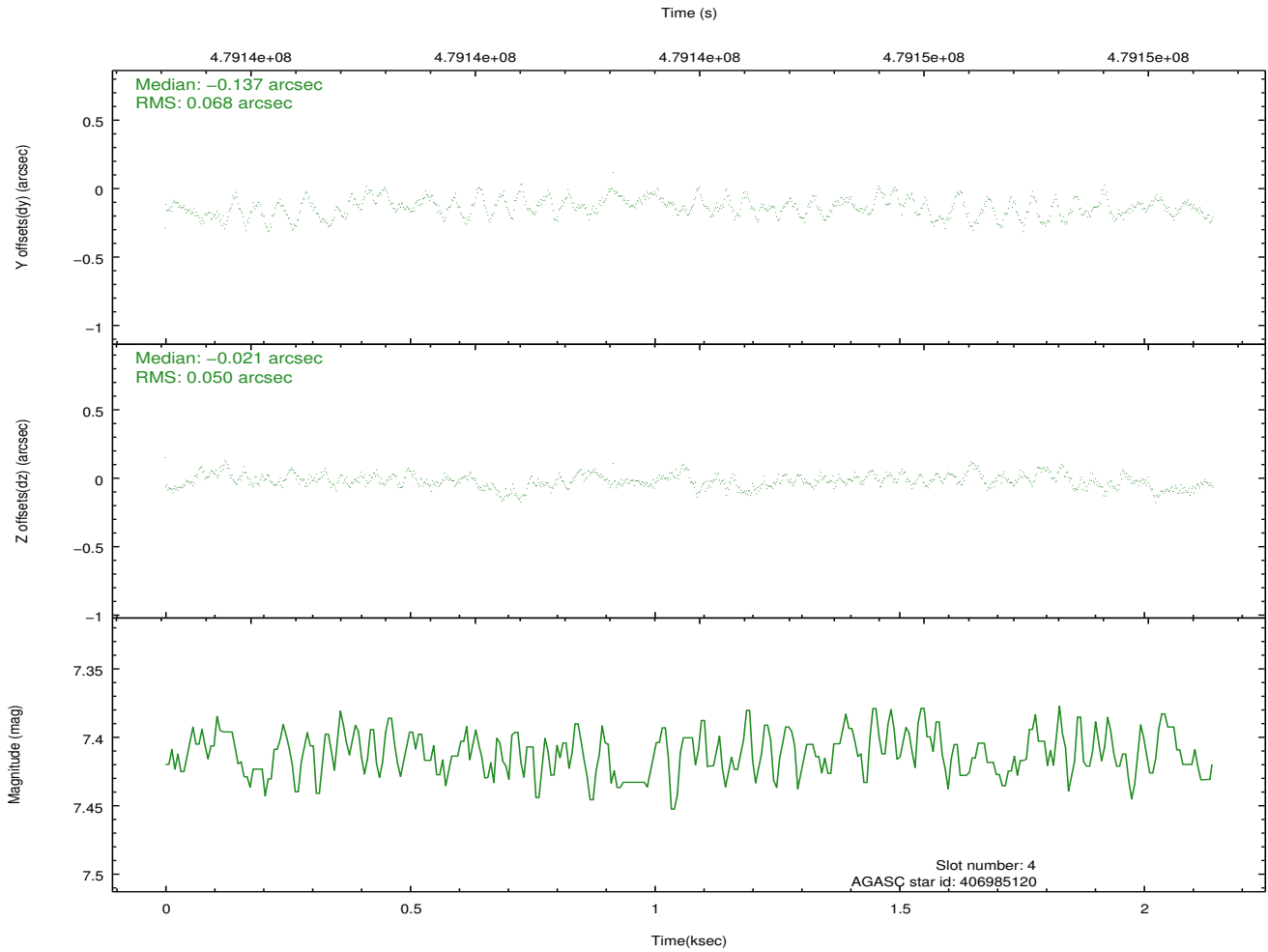
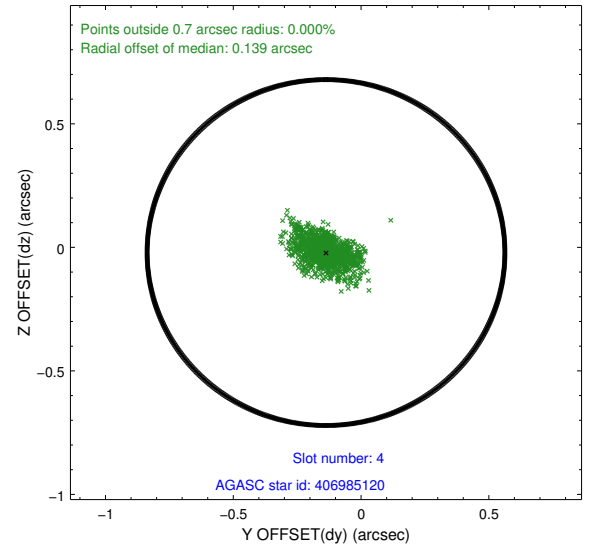
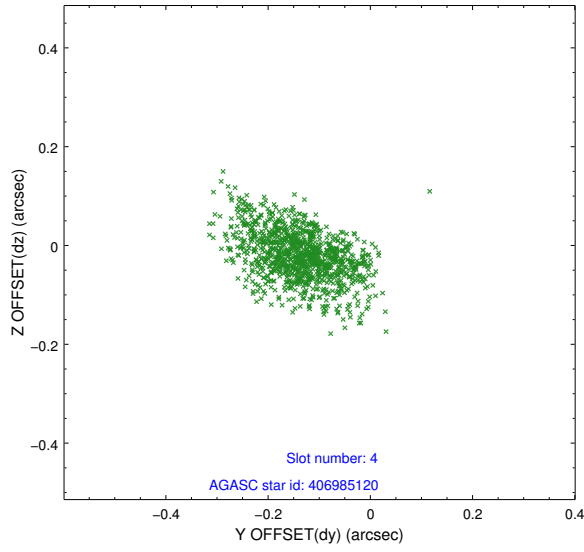
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.00	523	0.064	-0.156	0.007	0.012	0.000000	0.000000	-1168.52	-462.12
1	FID		HRC-S-2	6.98	523	0.225	-0.113	0.005	0.009	0.000000	0.000000	1229.06	-455.58
2	FID		HRC-S-3	7.00	523	0.100	-0.032	0.007	0.012	0.000000	0.000000	-1168.86	566.65
3	GUIDE	used	406979352	9.23	1038	-0.125	0.106	0.119	0.197	279.968297	39.230258	2198.55	-1436.40
4	GUIDE	used	406985120	7.41	1046	-0.137	-0.021	0.089	0.148	278.839732	38.894839	134.22	1233.63
5	GUIDE	used	406987272	6.94	1016	0.117	-0.220	0.068	0.111	278.536588	38.437504	-1686.93	1590.54
6	GUIDE	used	406989616	8.23	1046	0.204	0.269	0.082	0.130	279.202881	38.520843	-868.69	-124.96
7	GUIDE	used	407510432	8.13	1045	-0.061	-0.143	0.079	0.128	278.762778	39.530640	2266.14	2088.16

2.4 Star Slots

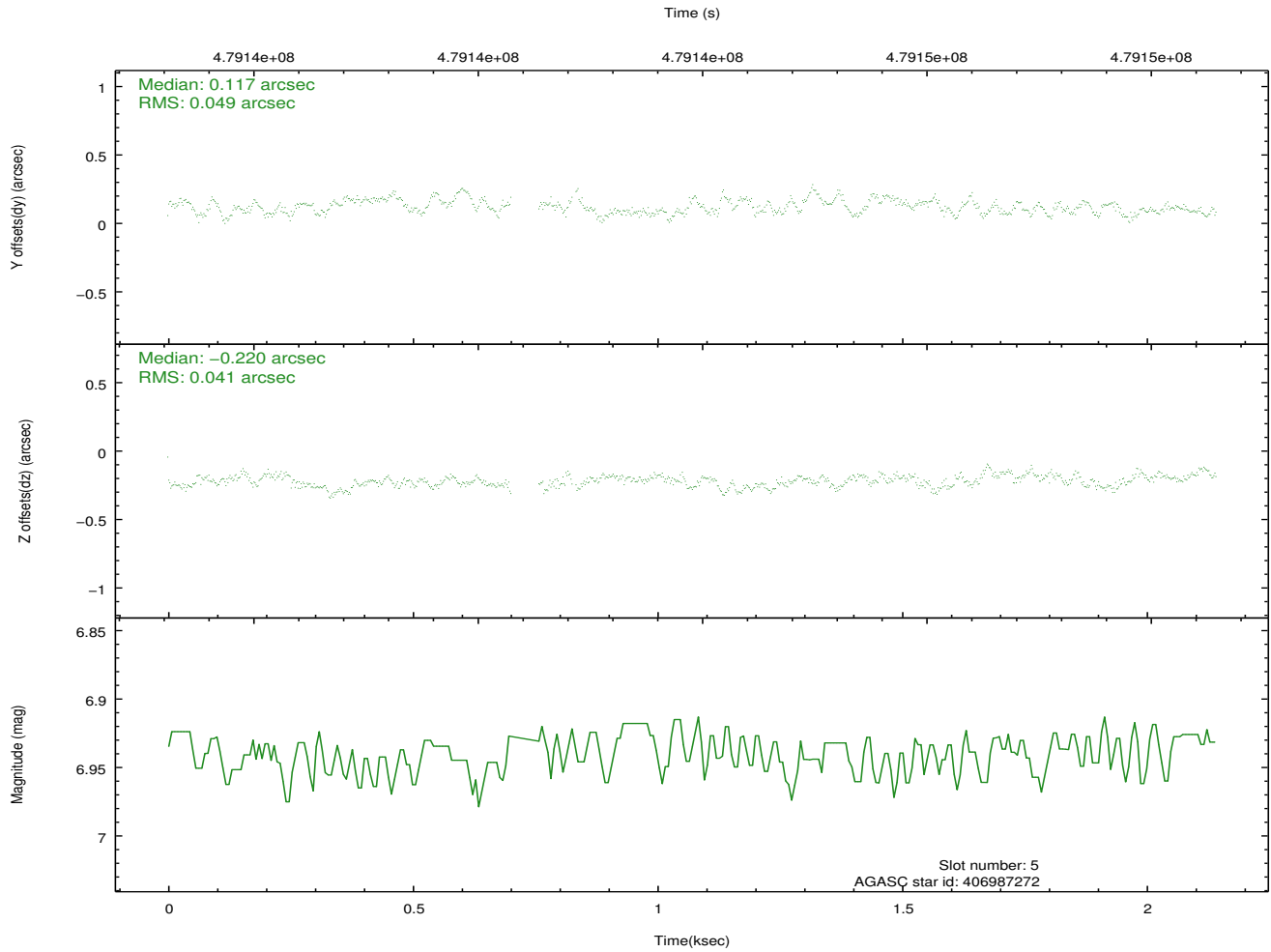
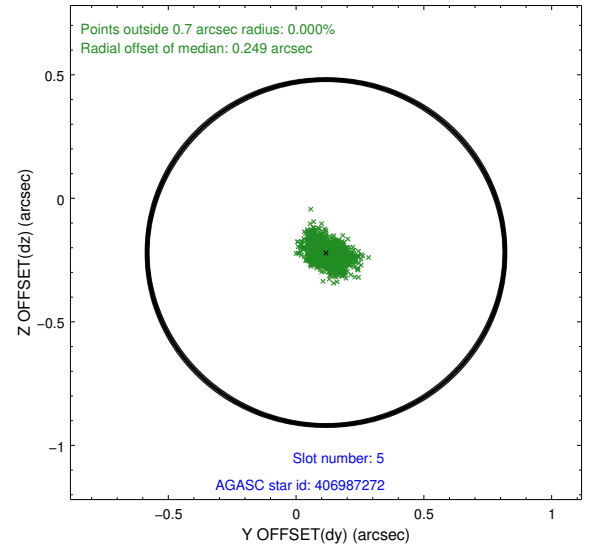
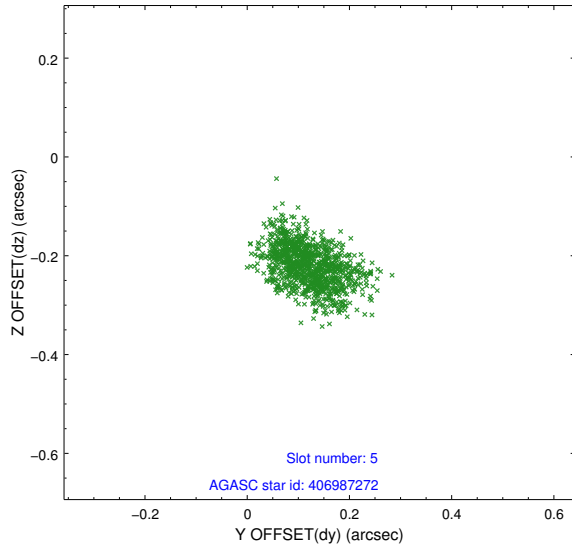
2.4.1 Slot 3



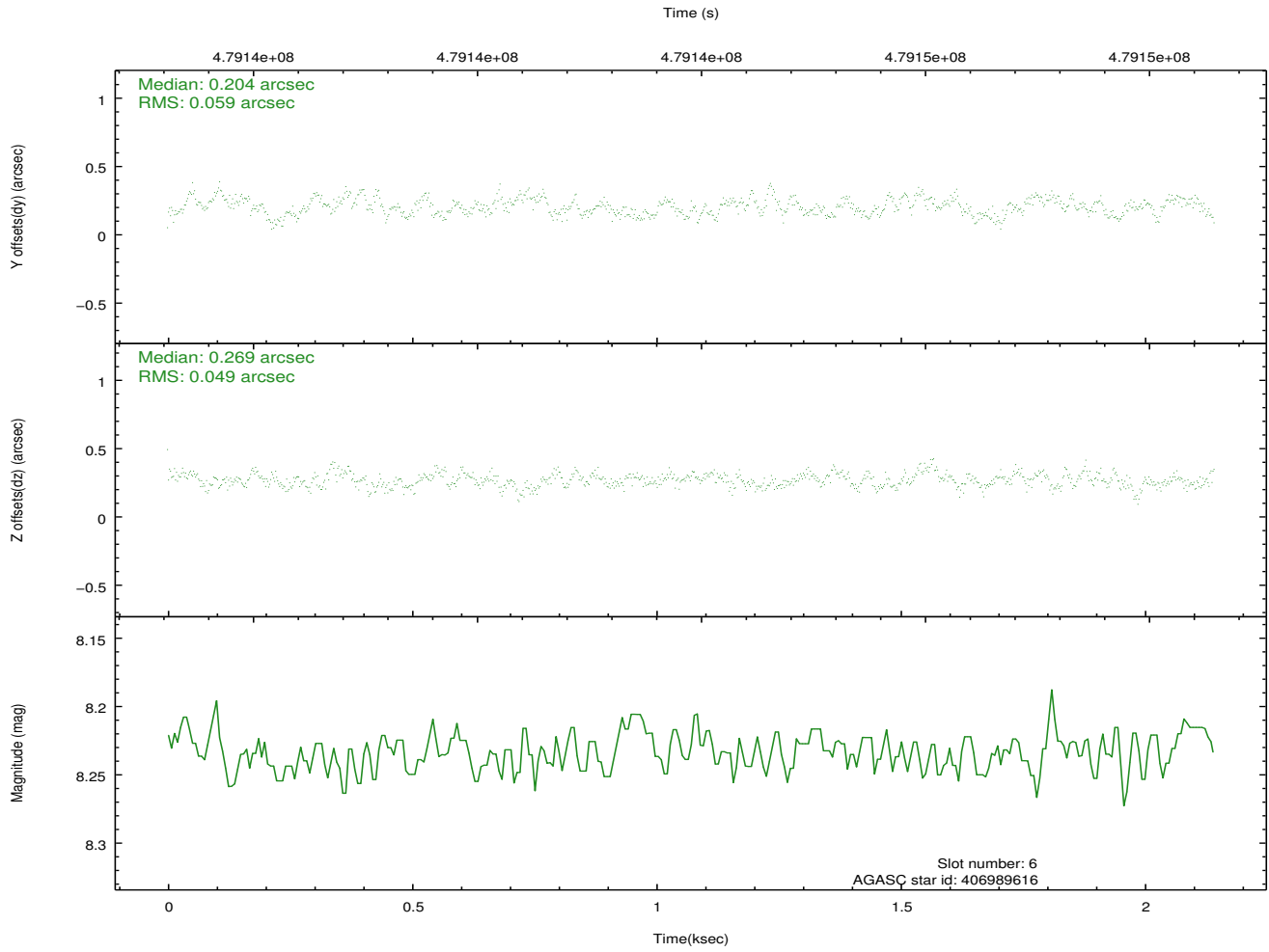
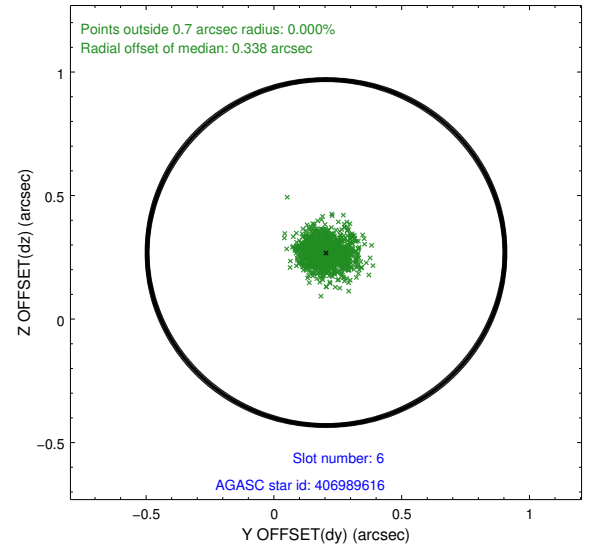
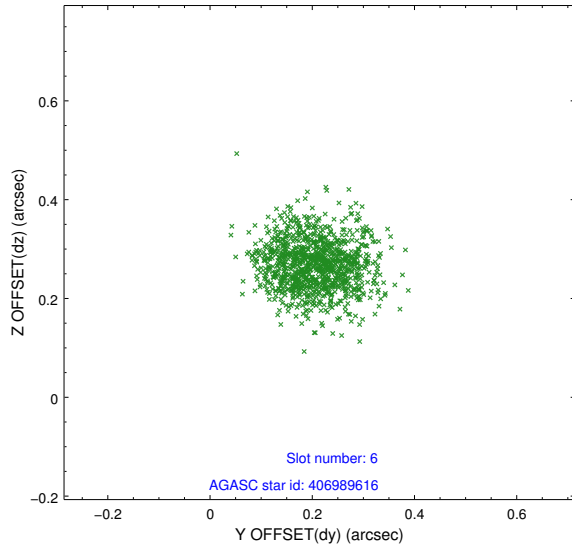
2.4.2 Slot 4



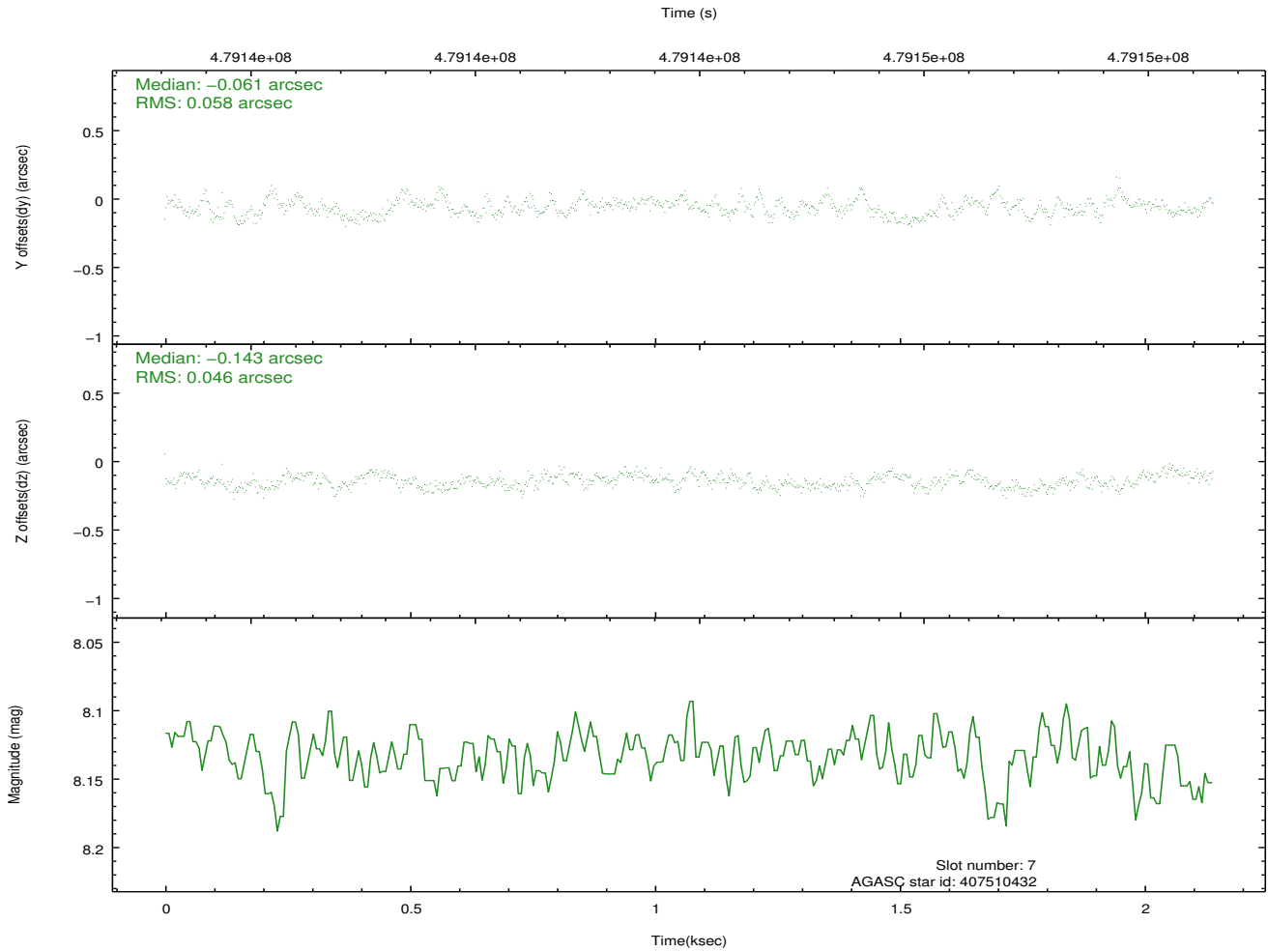
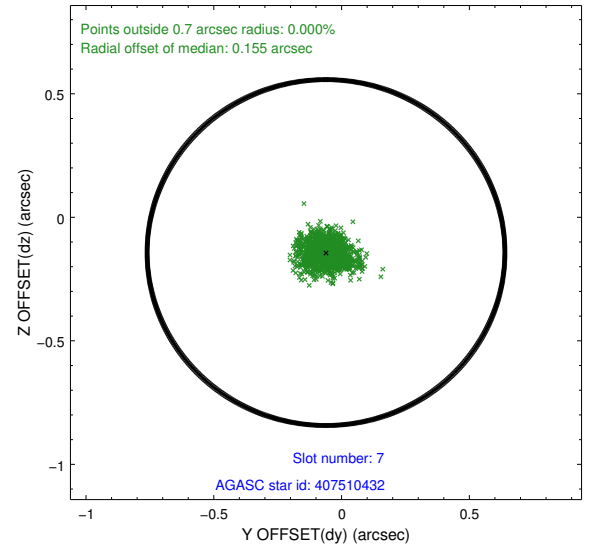
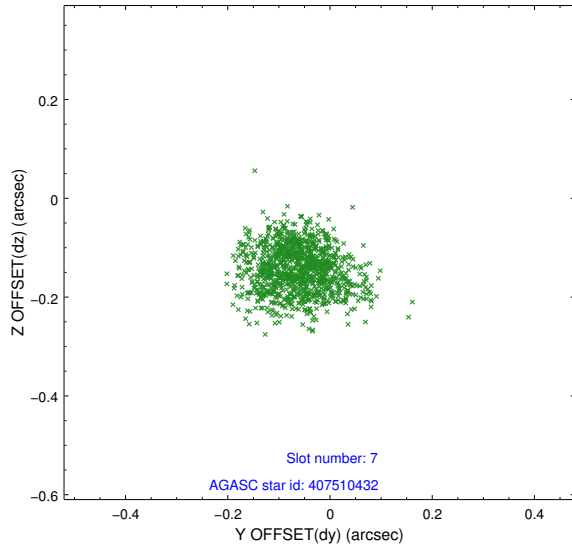
2.4.3 Slot 5



2.4.4 Slot 6

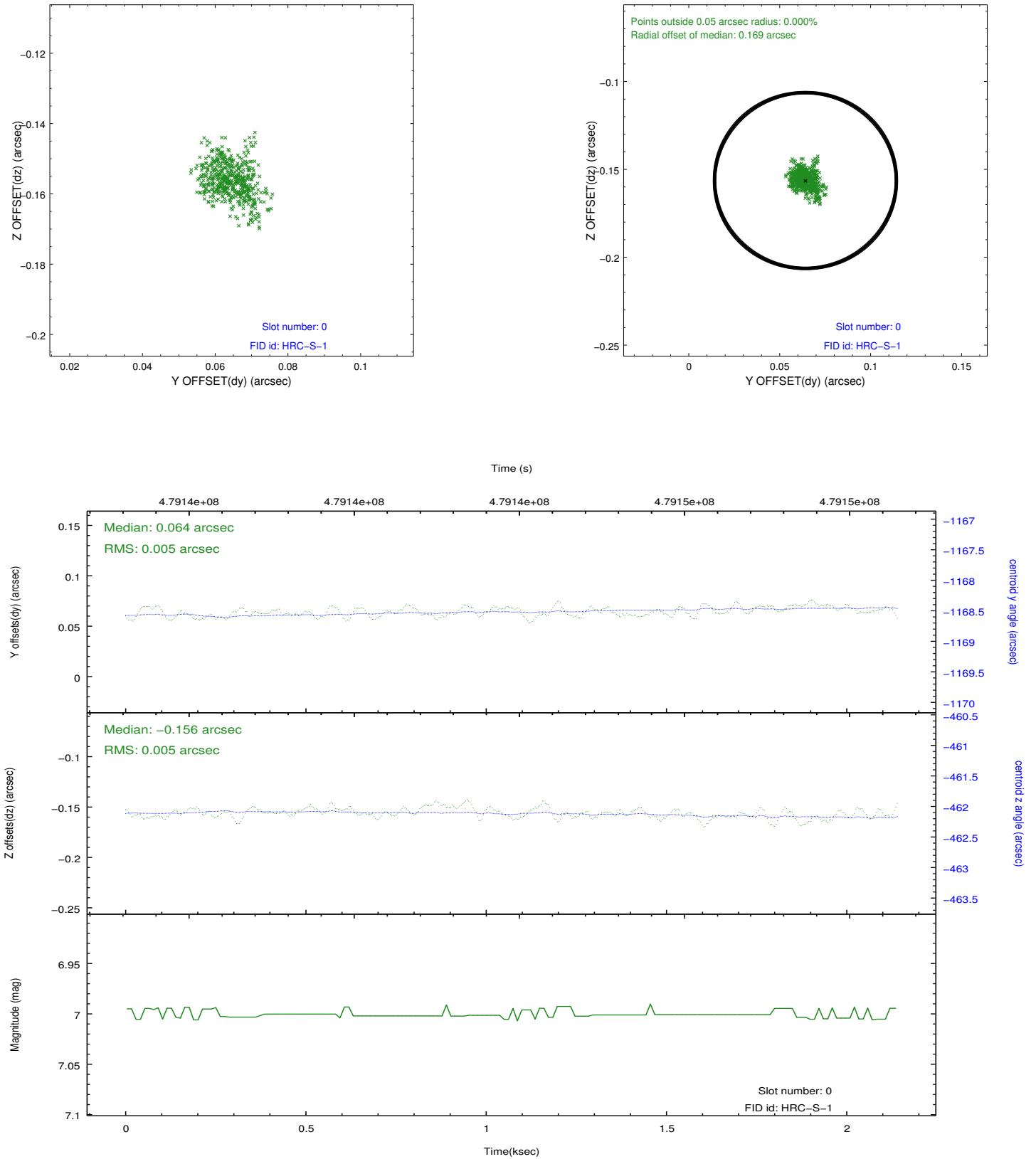


2.4.5 Slot 7

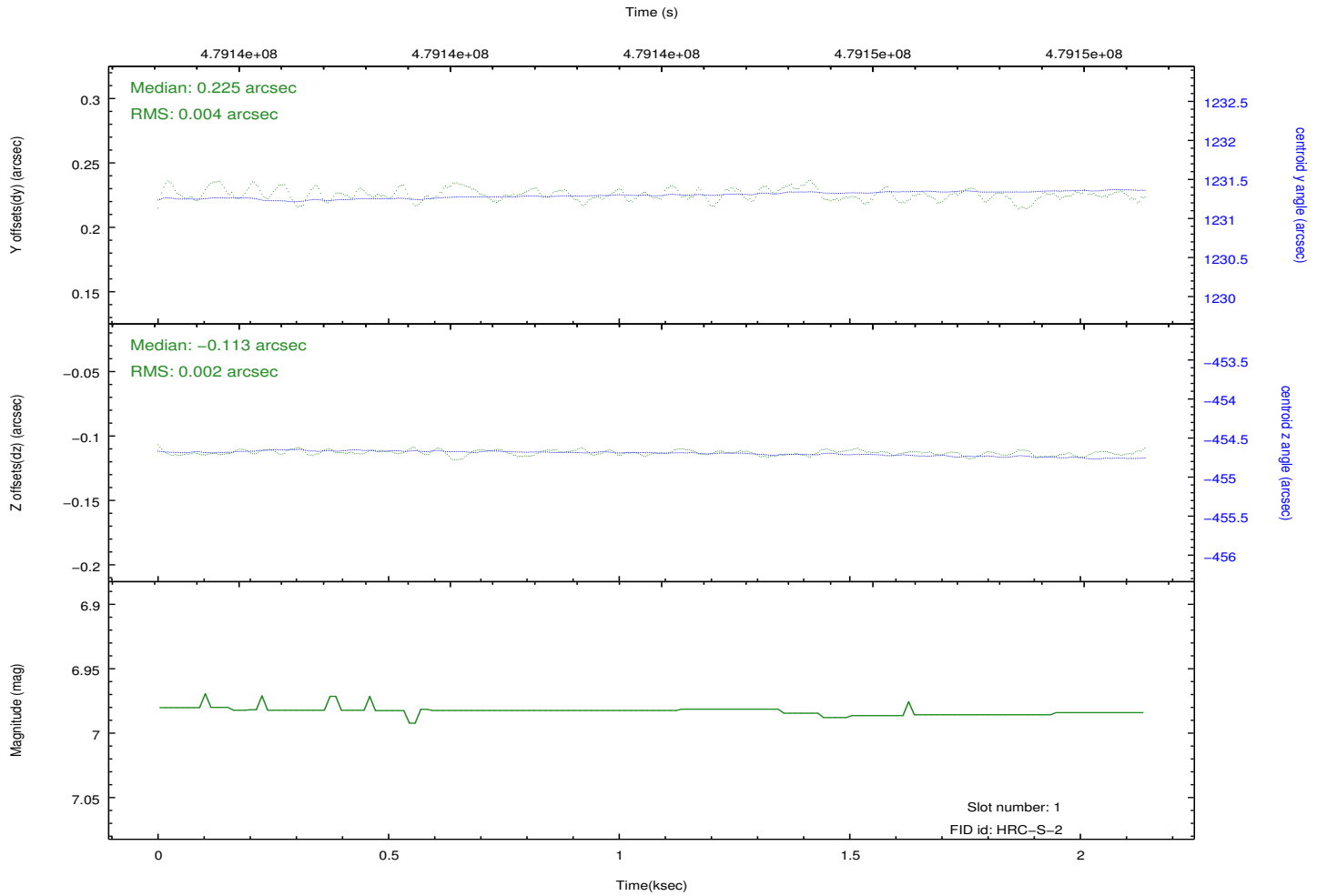
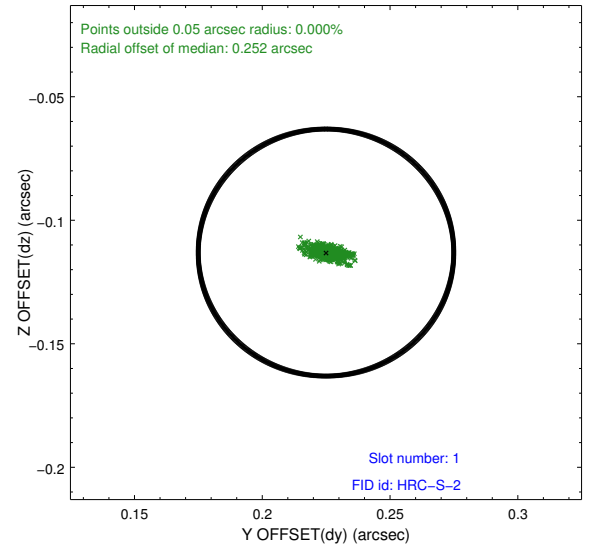
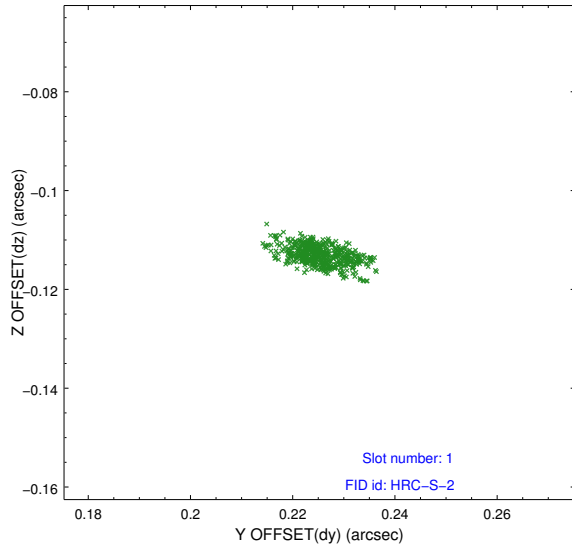


2.5 FID Slots

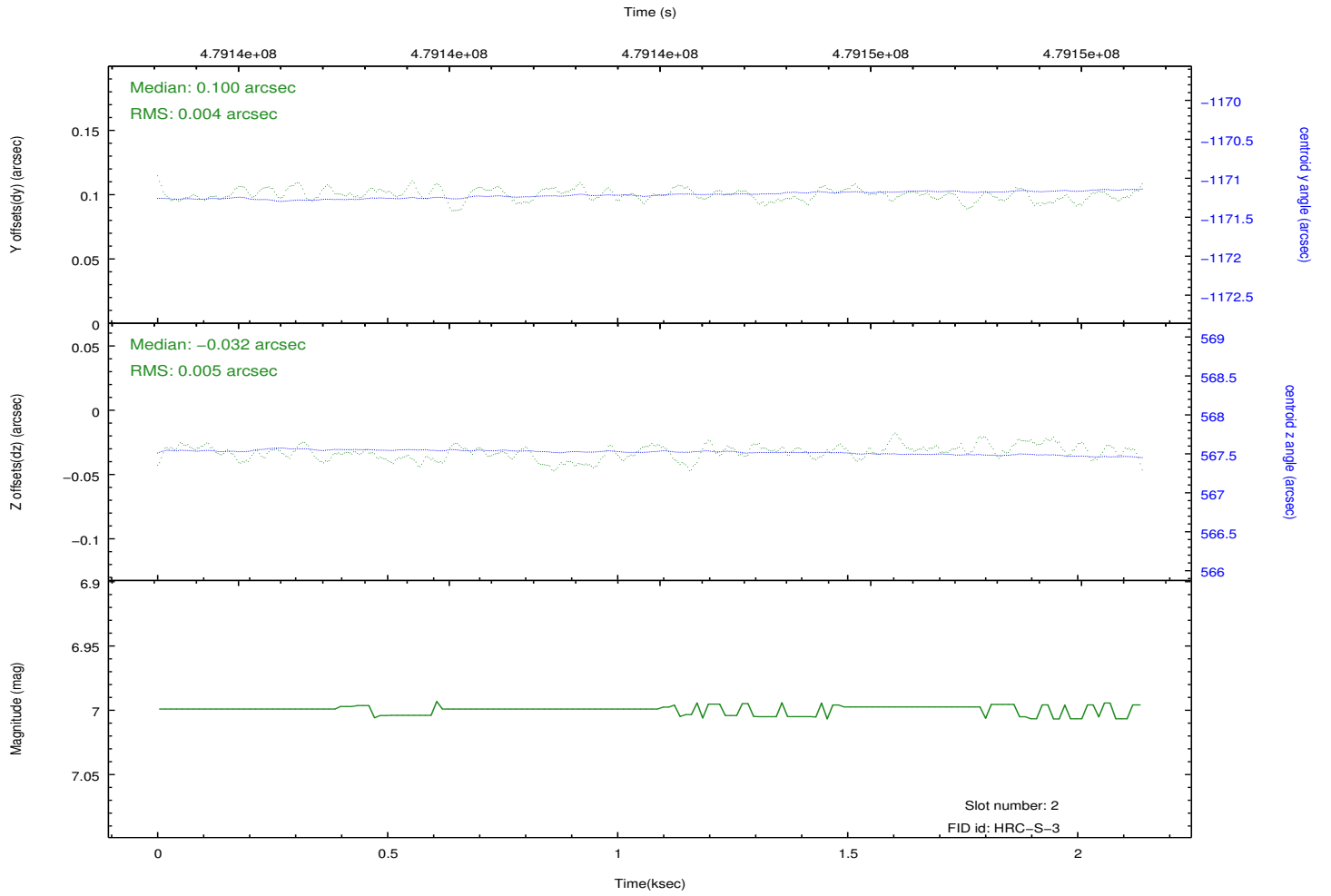
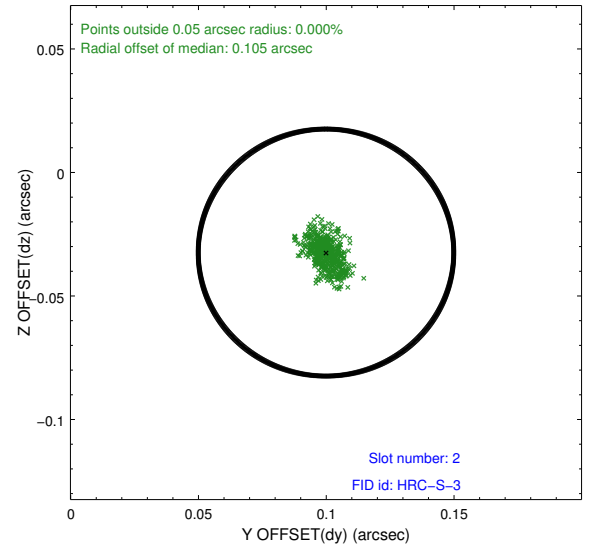
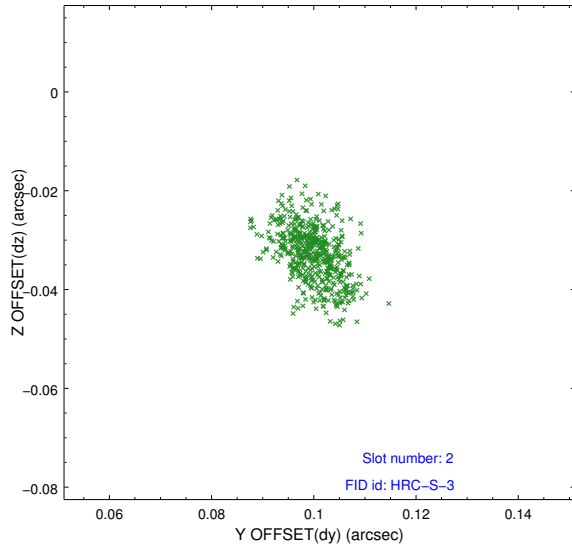
2.5.1 Slot 0



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	2.1414813659191

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.