

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 15396 - L2 Version 2
Chandra X-Ray Center

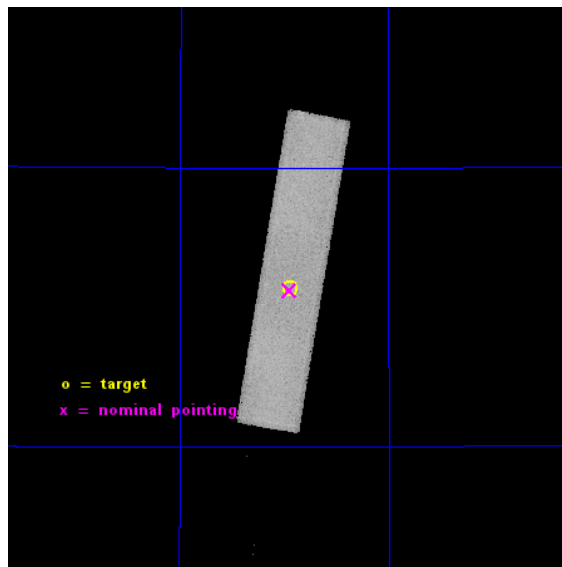
L2 Processing Date : Nov 27 2014

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1 Front

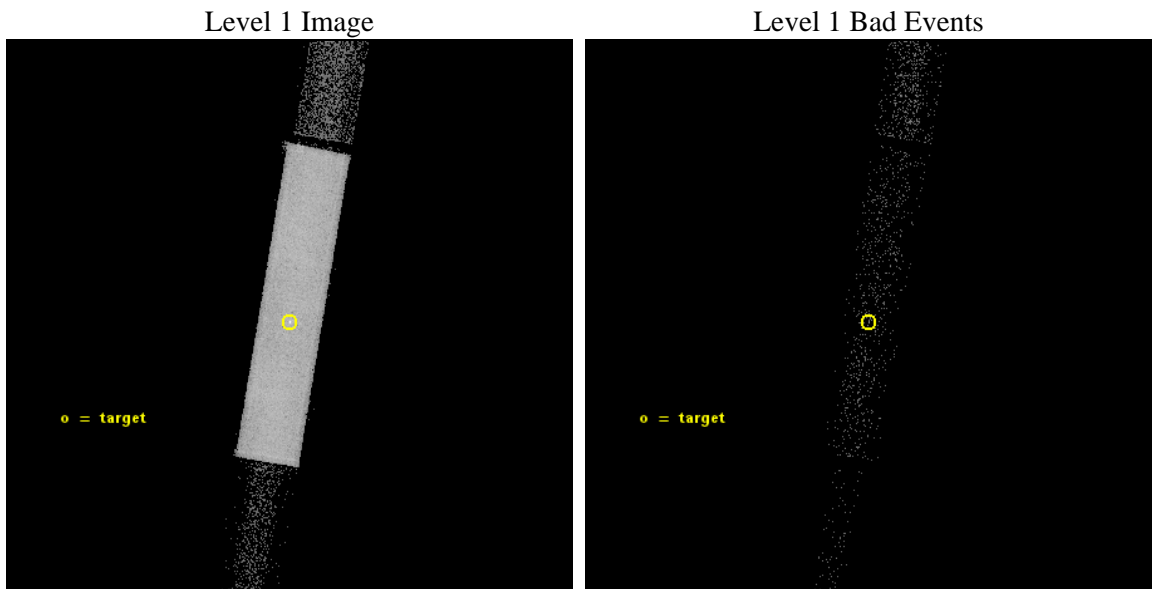
seq_num	291075	Sequence number
obs_id	15396	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.23711243176	Nominal RA [deg]
dec_nom	38.780099550572	Nominal Dec [deg]
roll_nom	279.74304116043	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2153.7813655138	[s]
livetime	2134.6771082864	Ontime multiplied by DTCOR
l2events	120744	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	2153.7813655138	[s]
caldsver	4.6.4	 	l1events	165261	Number of level 1 events
date	2014-11-27T22:45:57	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

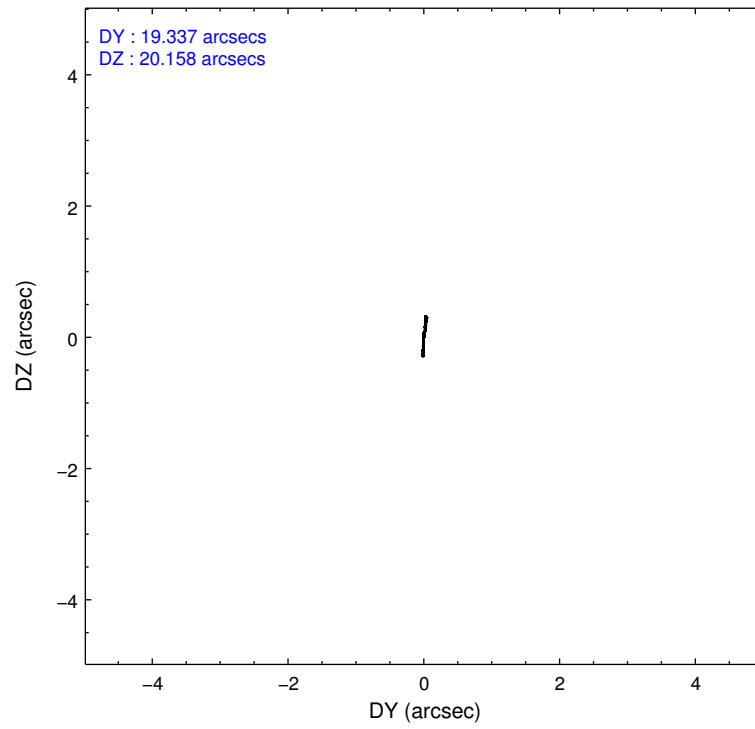
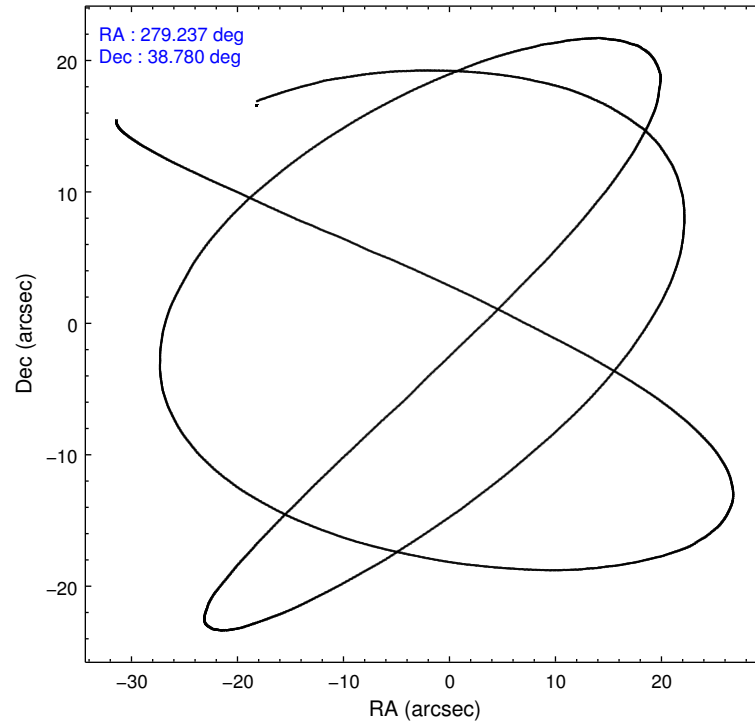
	segment 1	segment 2	segment 3
level 1 events	7155	156364	1742
rejected events	7155	13684	1717
rejected %	100%	8%	98%

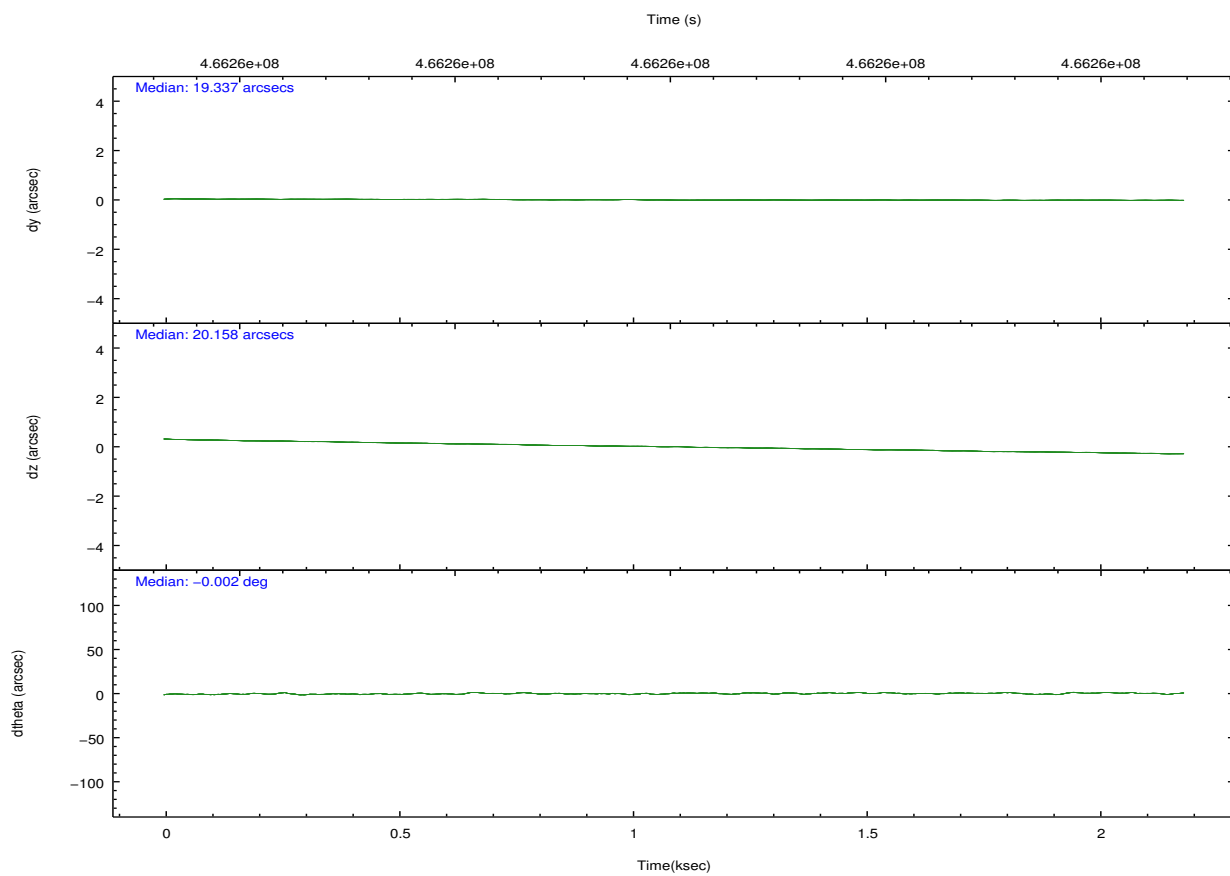
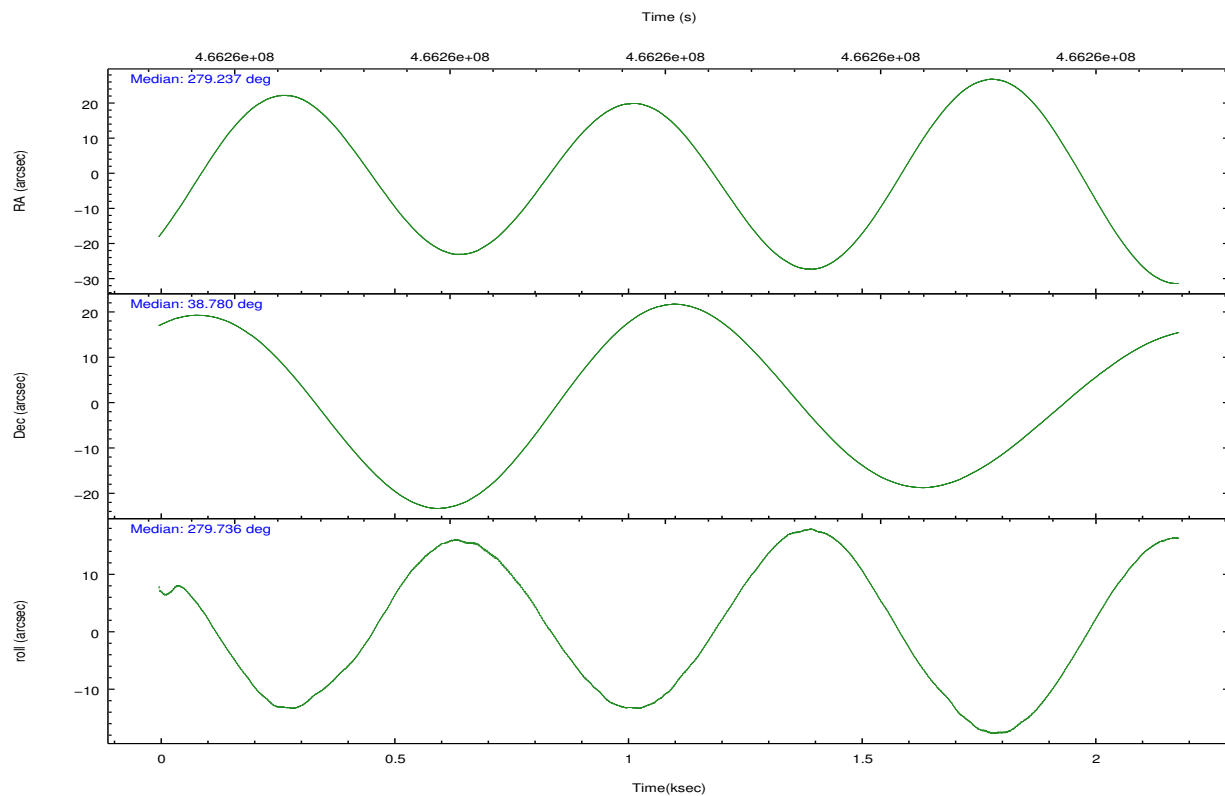
2.2 Compared Parameters

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	279.211841	279.2371124317622
[deg] Pointing Dec	38.801175	38.78009955057212
[deg] Pointing Roll	279.691532	279.7430411604255
[s] Window start time (MET)	462844867.184000	462844867.184000
[s] Window stop time (MET)	468028867.184000	468028867.184000
[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)	466262097.184000	466261720.95816
Observation start date	2012-10-10T13:13:50	2012-10-10T13:08:40
[s] Observation end time (MET)	466264097.184000	466264231.18329
Observation end date	2012-10-10T13:47:10	2012-10-10T13:50:31

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

2.3 Aspect



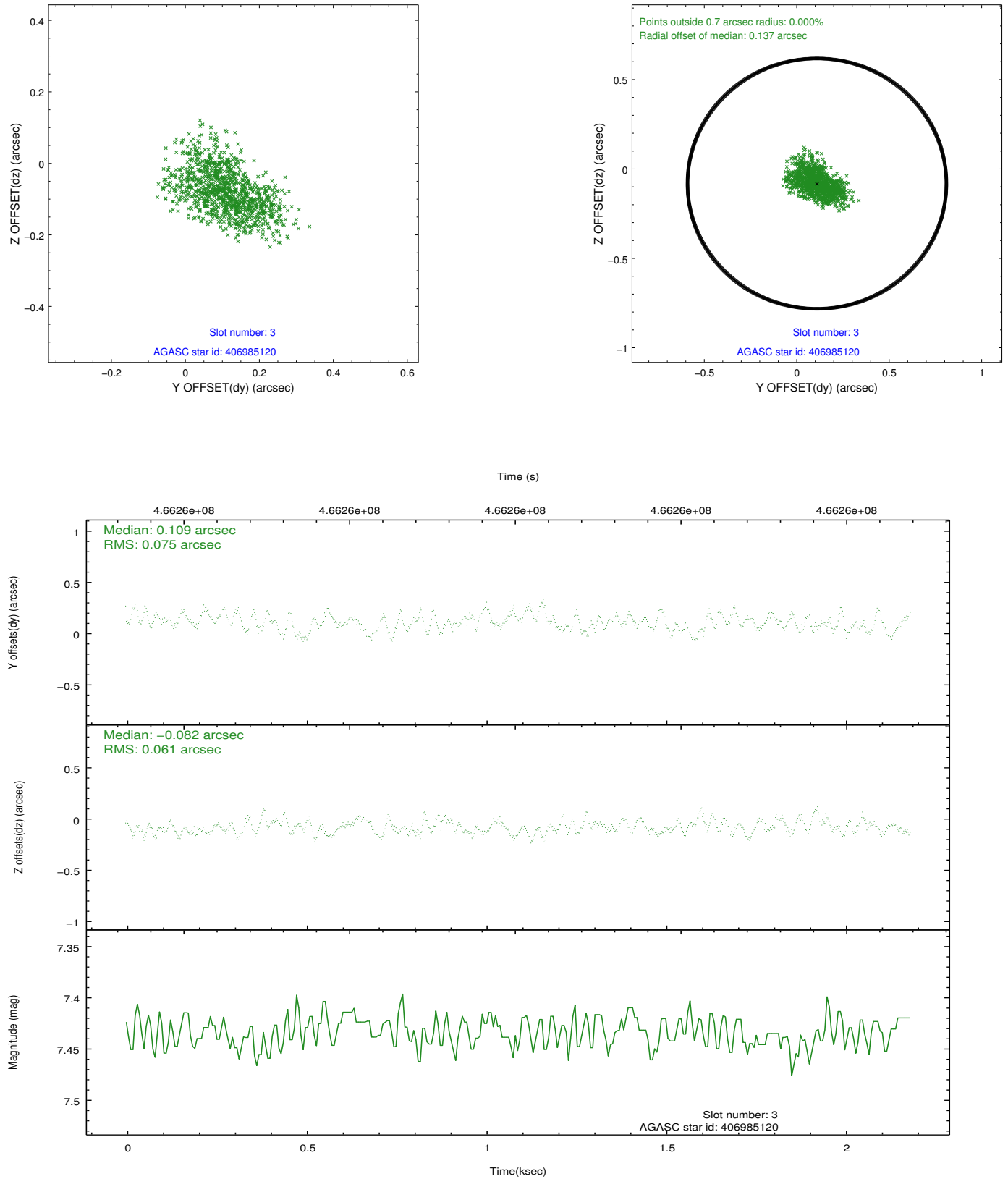


Slot Statistics

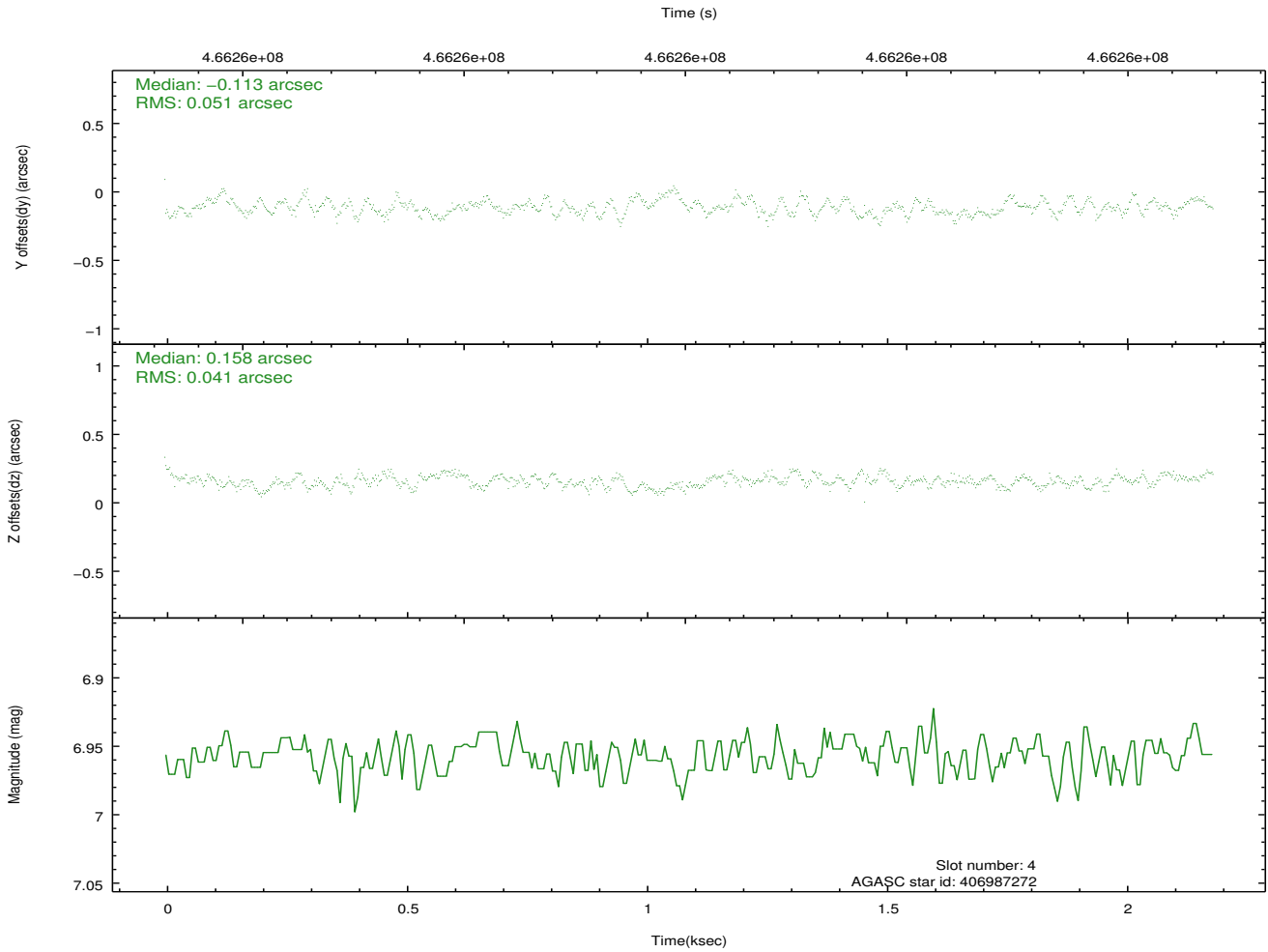
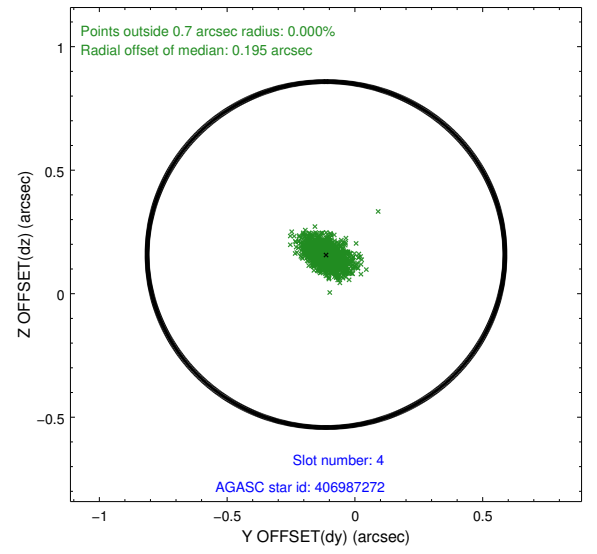
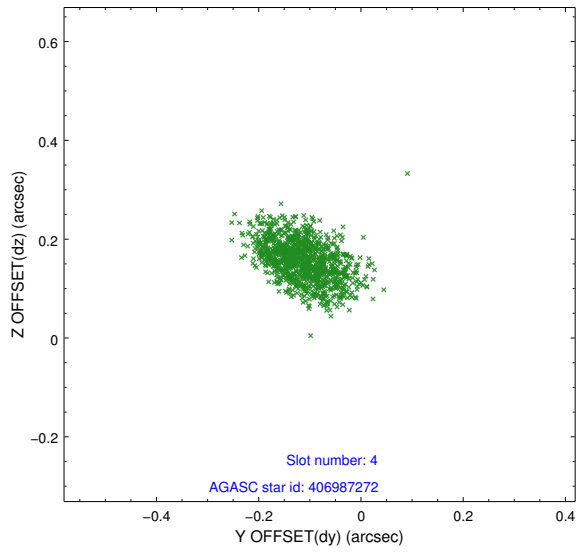
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.11	533	0.040	-0.243	0.009	0.017	0.000000	0.000000	-1173.89	-469.23
1	FID		HRC-S-2	7.07	533	0.259	-0.117	0.005	0.010	0.000000	0.000000	1223.79	-462.67
2	FID		HRC-S-3	7.09	533	0.091	0.058	0.009	0.016	0.000000	0.000000	-1174.24	559.72
3	GUIDE	used	406985120	7.43	1066	0.109	-0.082	0.105	0.169	278.839732	38.894839	-509.32	-971.31
4	GUIDE	used	406987272	6.96	1066	-0.113	0.158	0.069	0.113	278.536588	38.437504	962.51	-2097.60
5	GUIDE	used	406987384	8.96	1059	-0.015	-0.038	0.117	0.201	278.815518	38.115336	2243.97	-1524.27
6	GUIDE	used	407521232	8.63	1066	0.047	0.132	0.090	0.144	279.628883	39.431715	-2042.59	1523.59
7	GUIDE	used	407513096	8.15	1064	-0.026	-0.173	0.080	0.137	279.928965	39.436841	-1929.71	2352.47

2.4 Star Slots

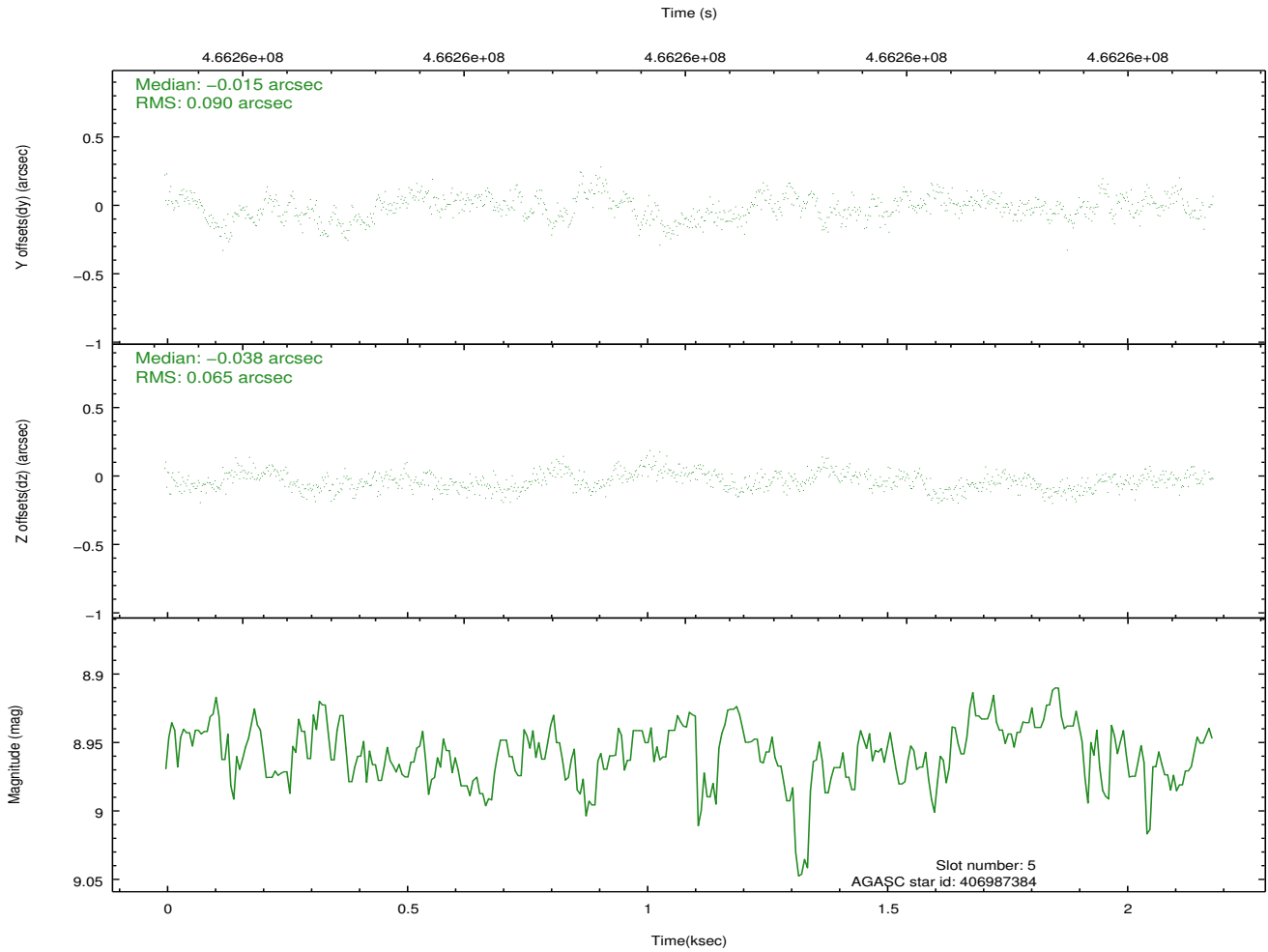
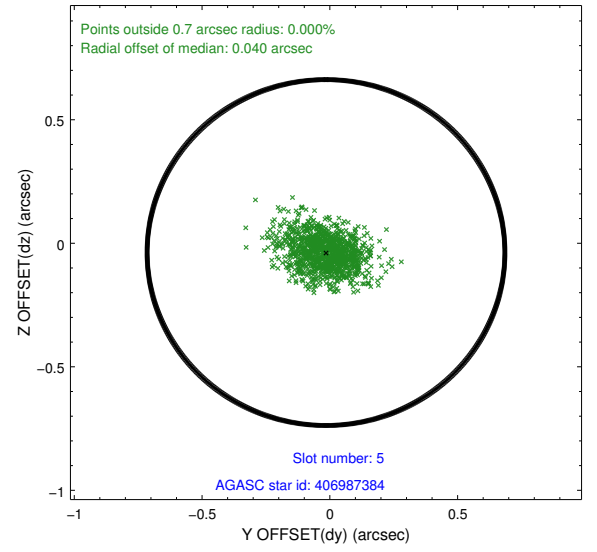
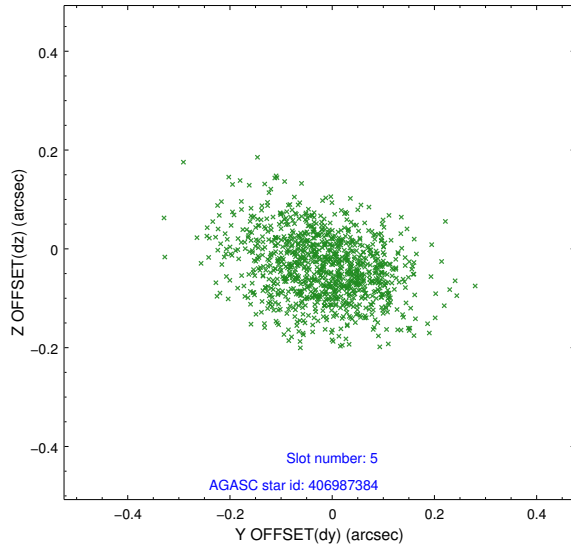
2.4.1 Slot 3



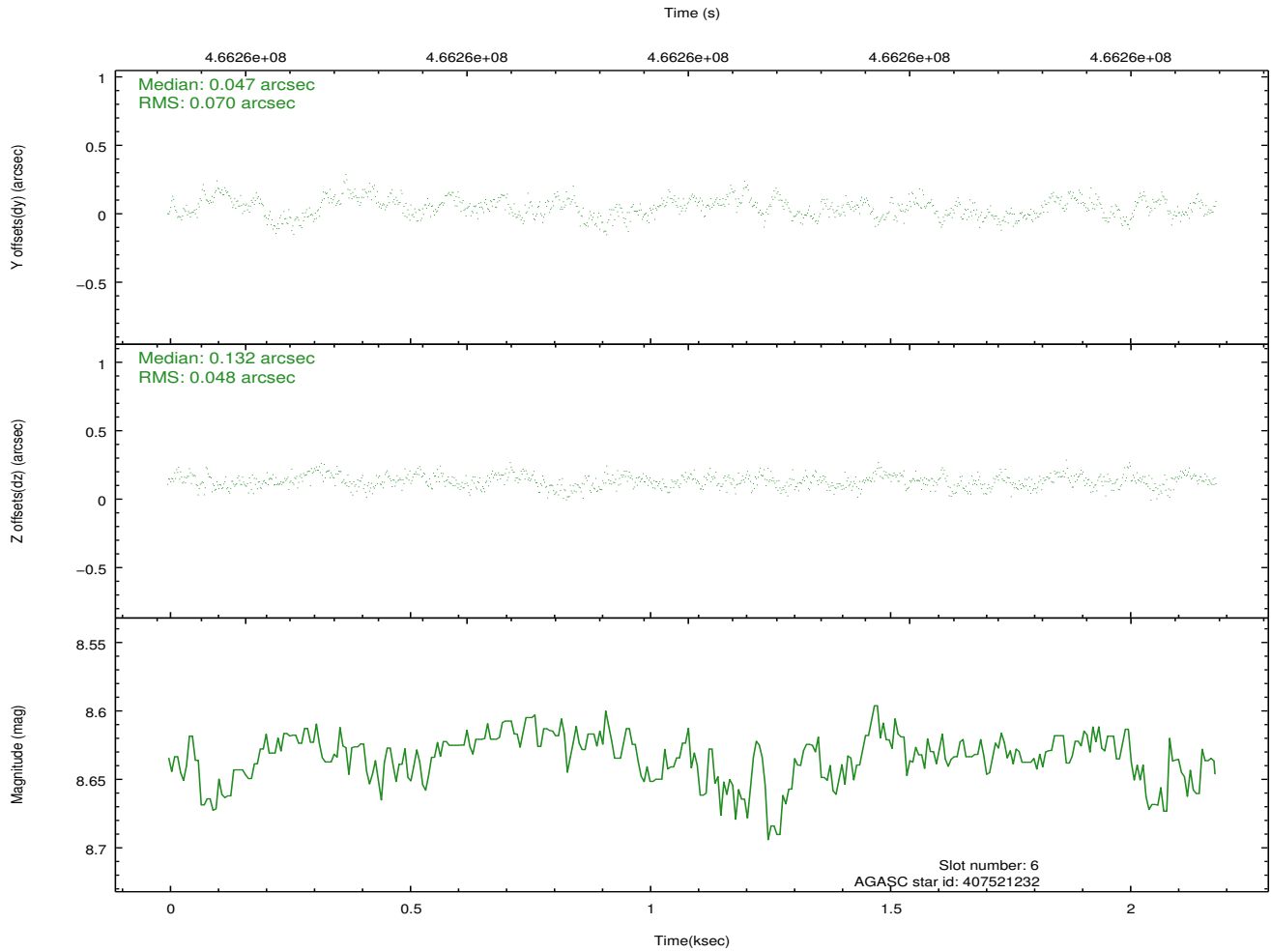
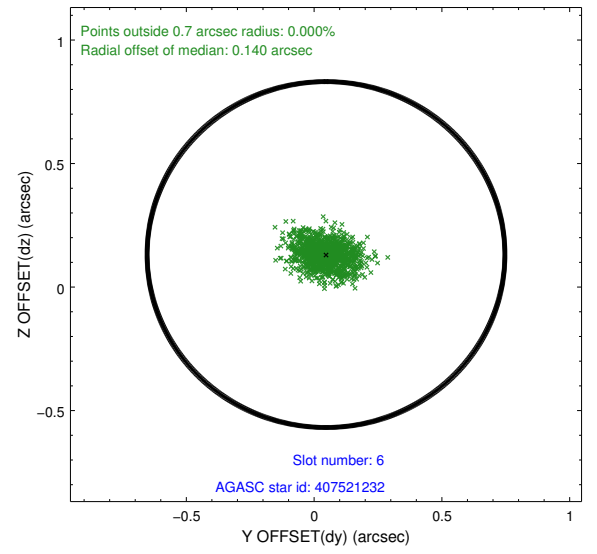
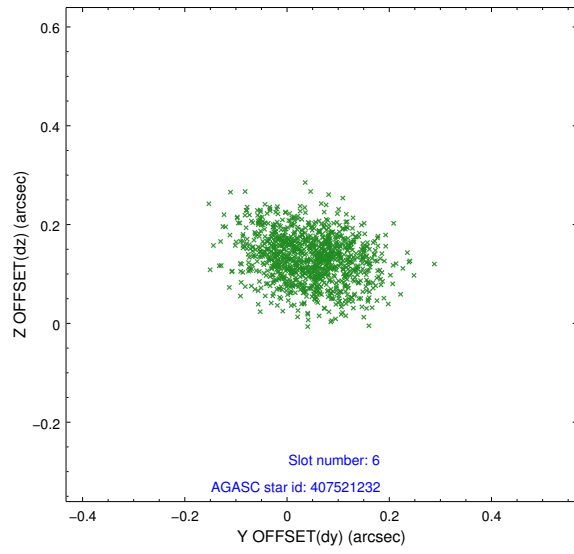
2.4.2 Slot 4



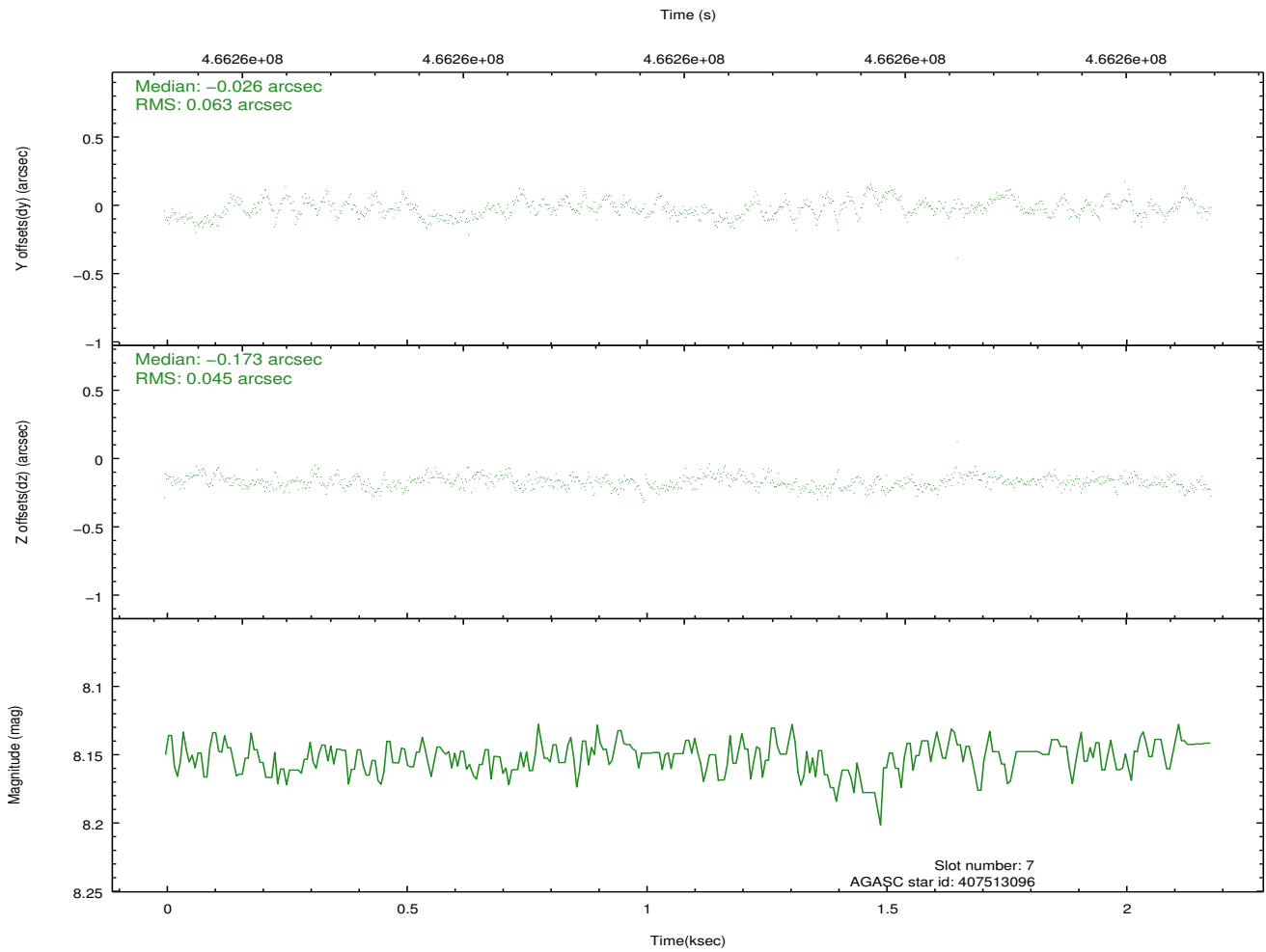
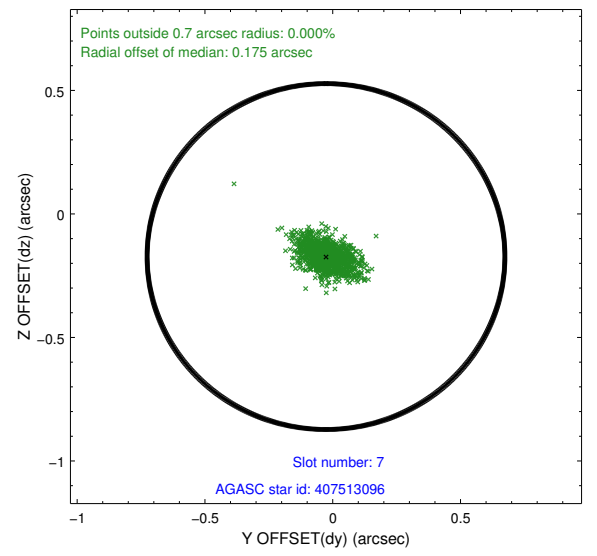
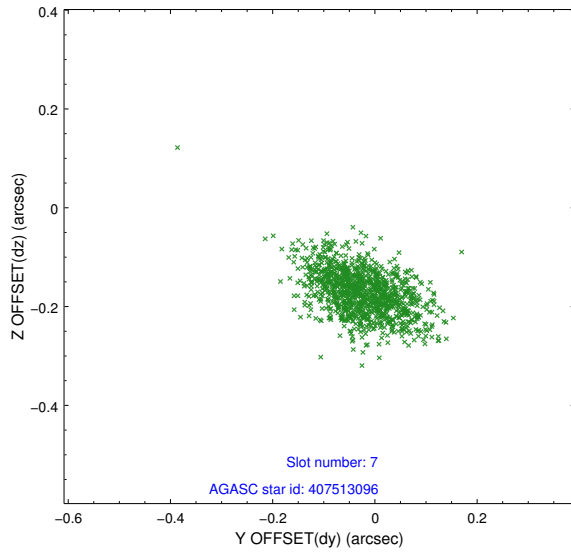
2.4.3 Slot 5



2.4.4 Slot 6

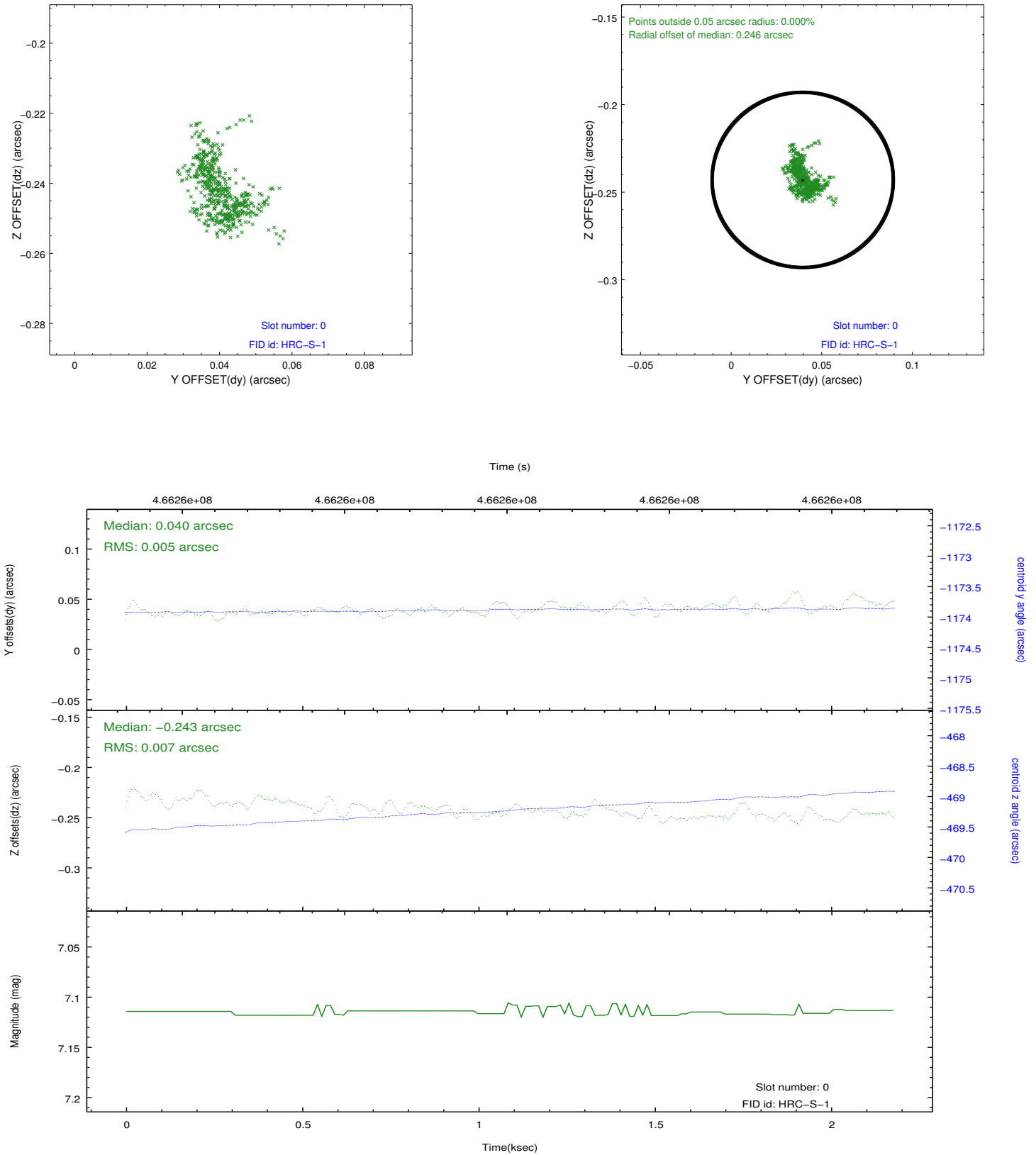


2.4.5 Slot 7

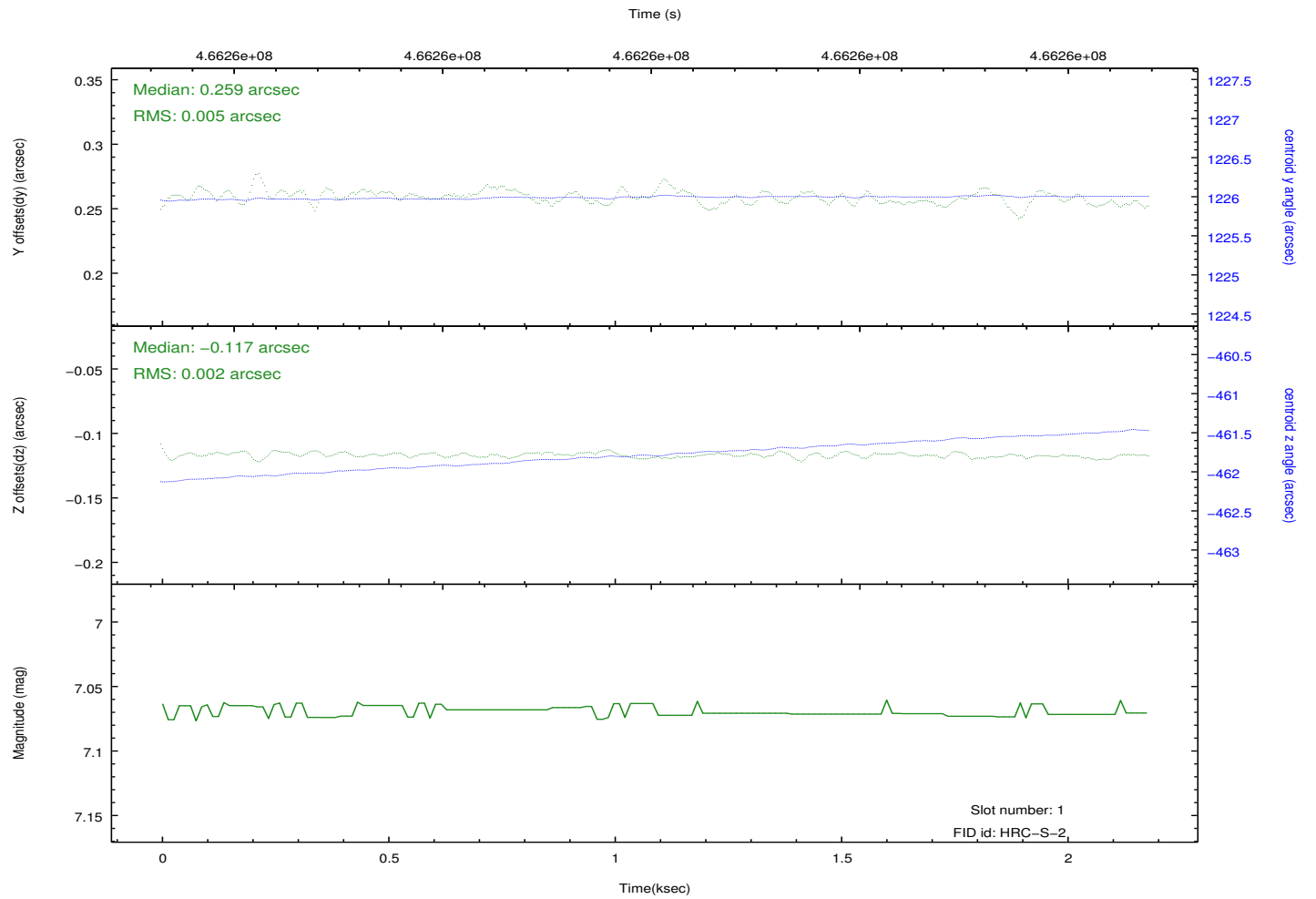
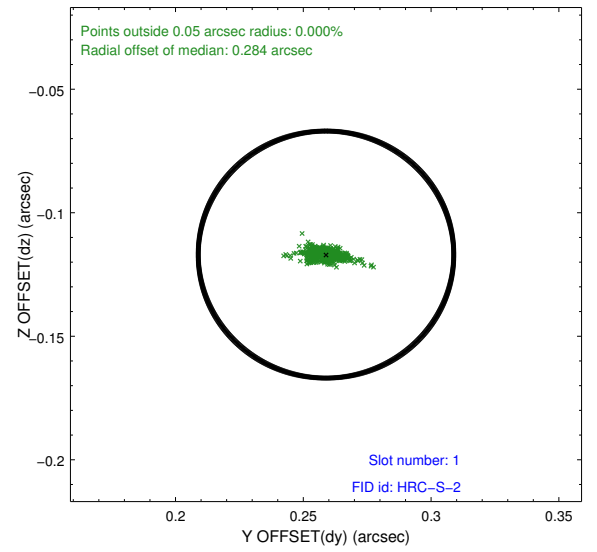
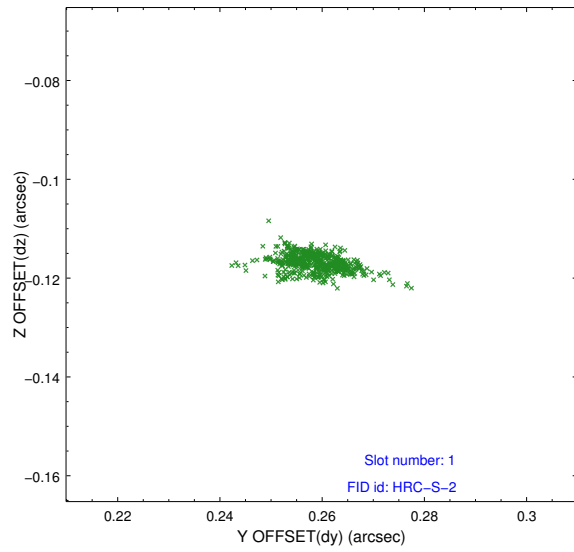


2.5 FID Slots

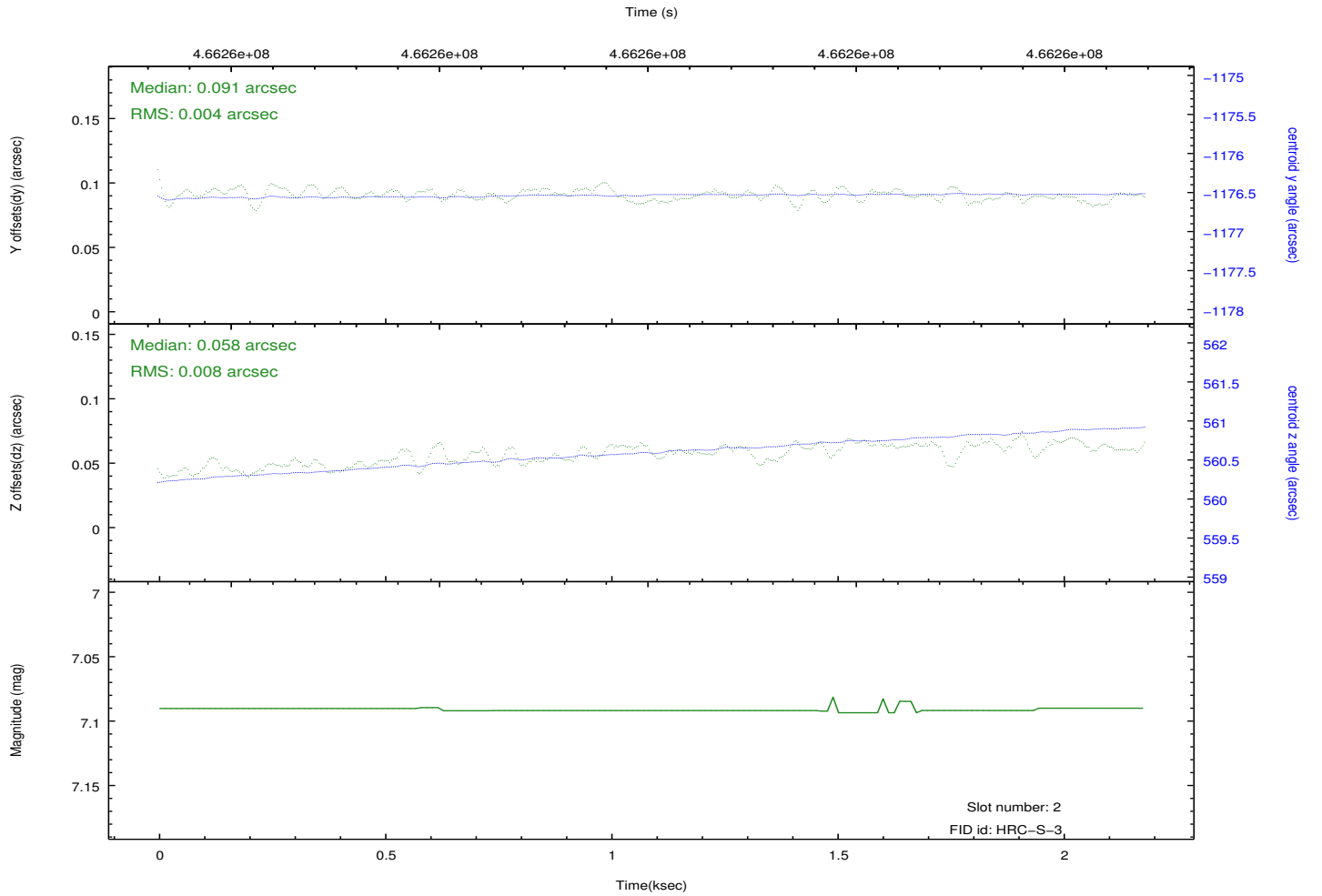
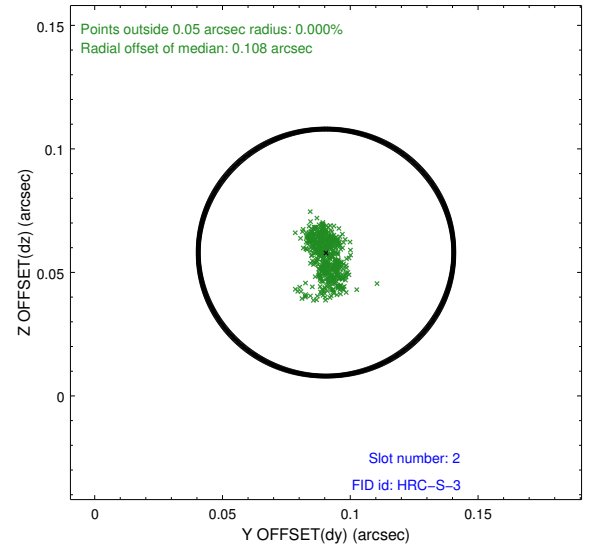
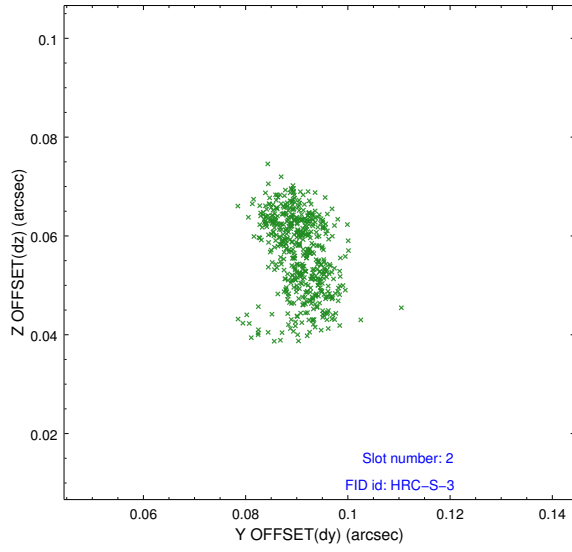
2.5.1 Slot 0



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)	2014.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1537813655138

A.2 Comments

Window preference met.

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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.