

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 15397 - L2 Version 2
Chandra X-Ray Center

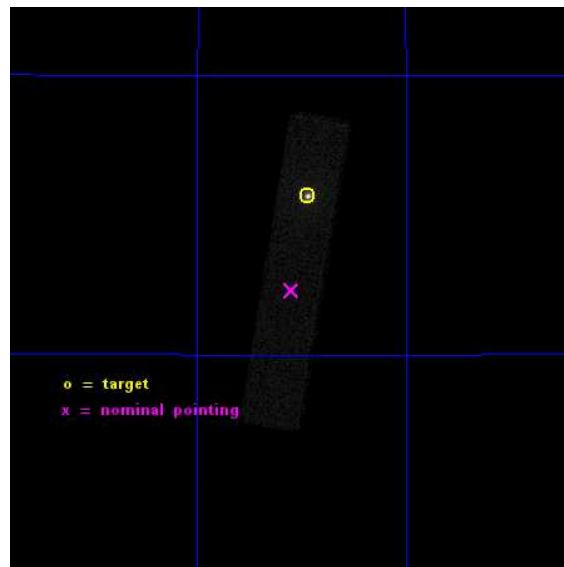
L2 Processing Date : Nov 27 2014

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1 Front

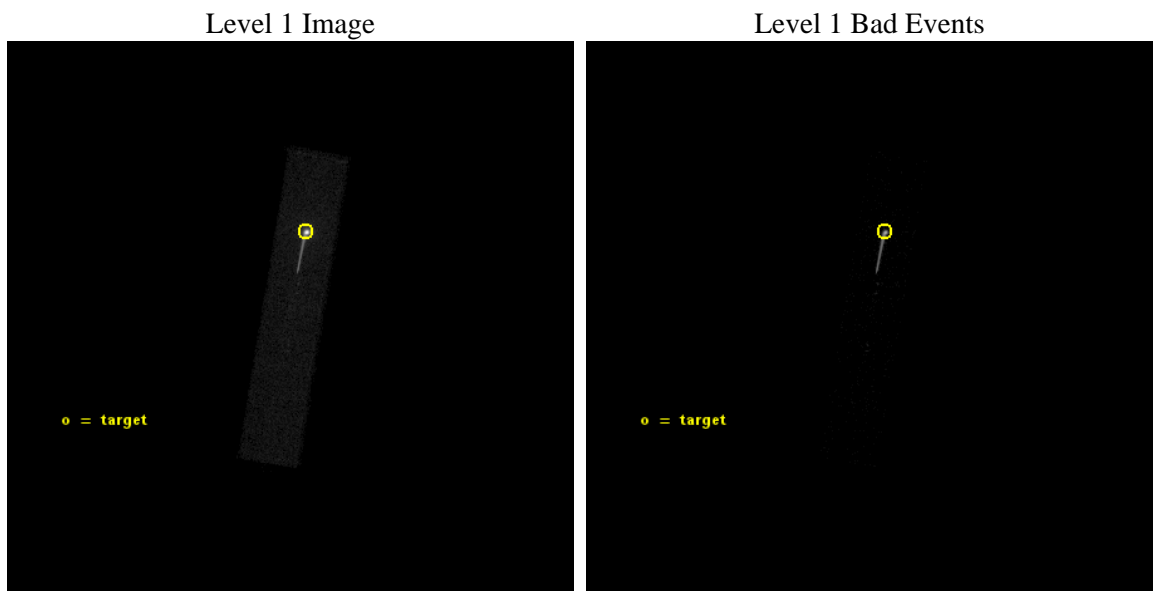
seq_num	291076	Sequence number
obs_id	15397	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.27406650583	Nominal RA [deg]
dec_nom	38.615555857422	Nominal Dec [deg]
roll_nom	279.70220825882	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1159.5313122272	[s]
liveltime	1001.7489405081	Ontime multiplied by DTCOR
l2events	203283	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	1159.5313122272	[s]
caldsver	4.6.4	 	l1events	243407	Number of level 1 events
date	2014-11-27T22:41:27	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

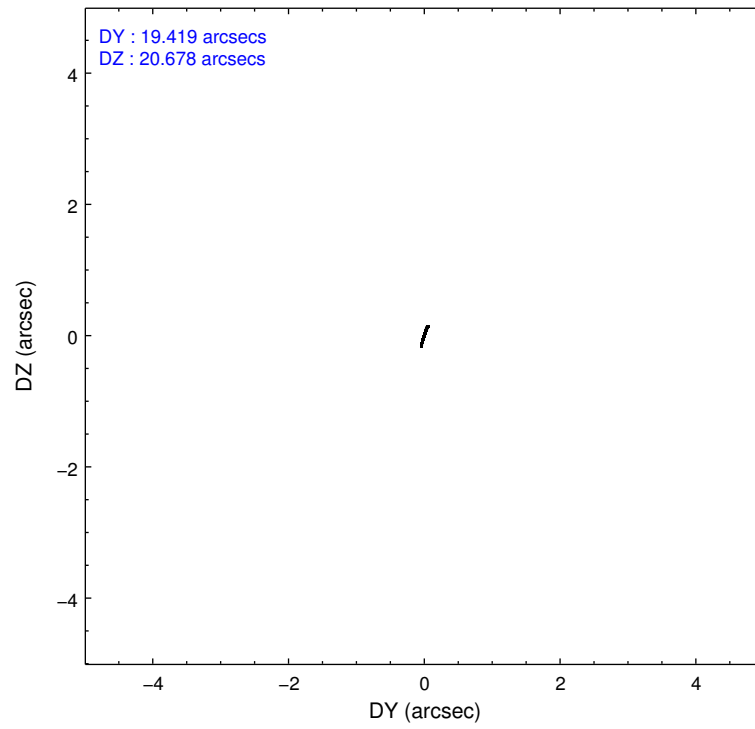
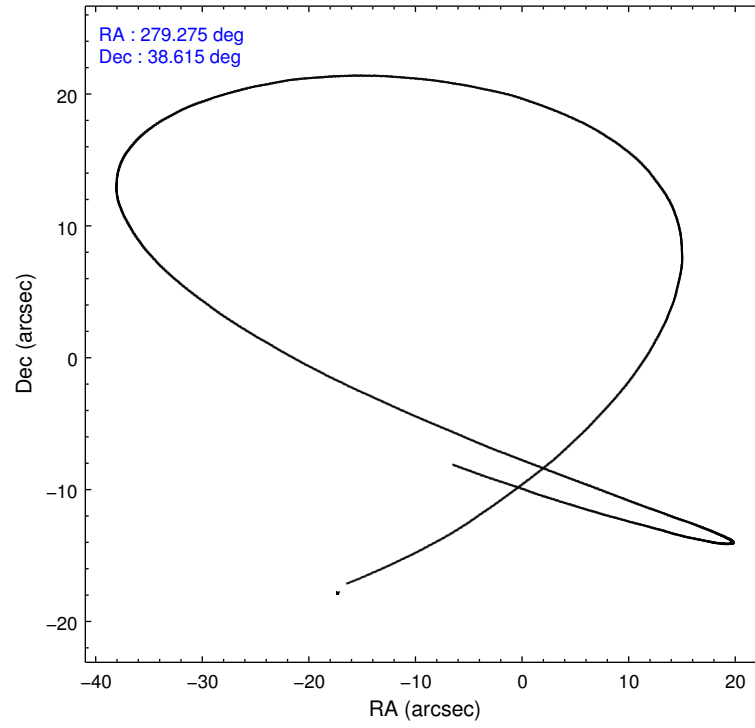
	segment 1	segment 2	segment 3
level 1 events	0	243407	0
rejected events	0	29503	0
rejected %	0%	12%	0%

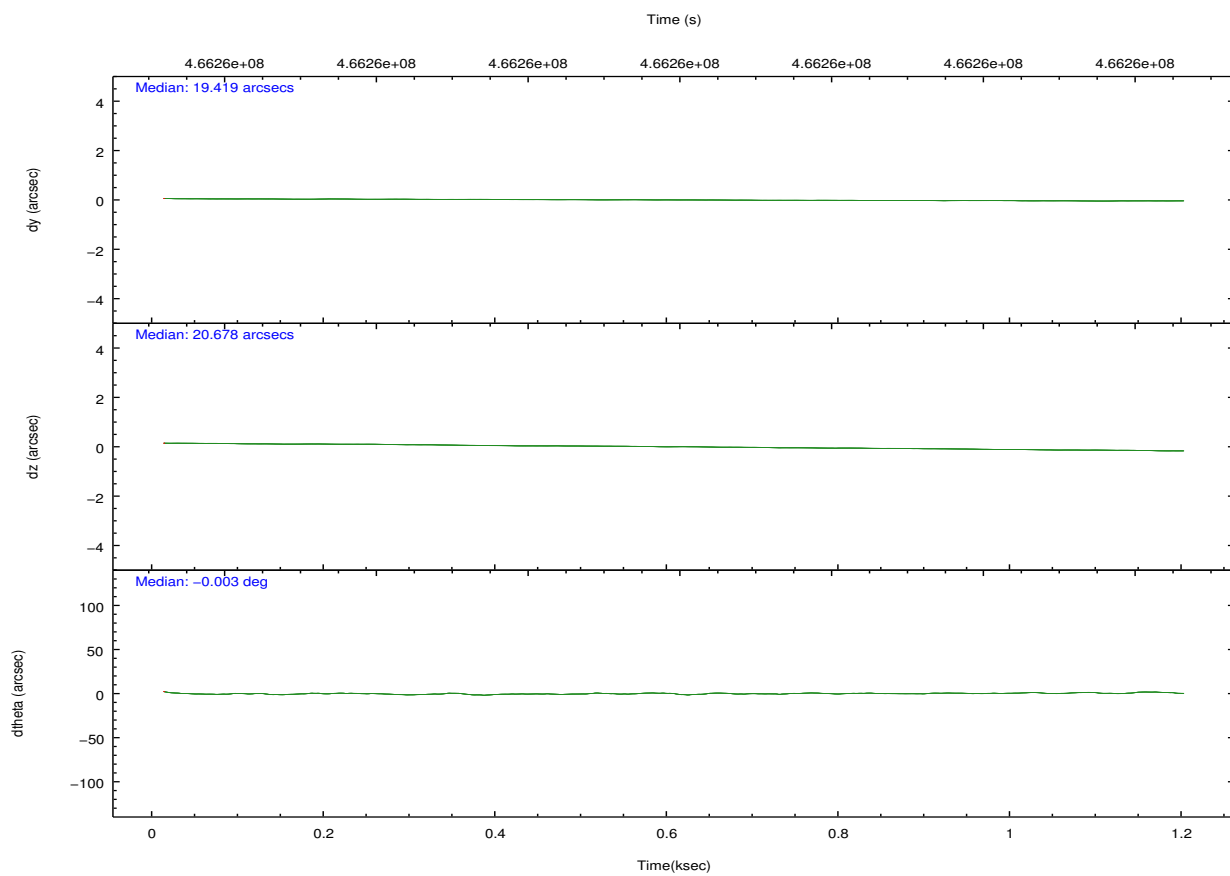
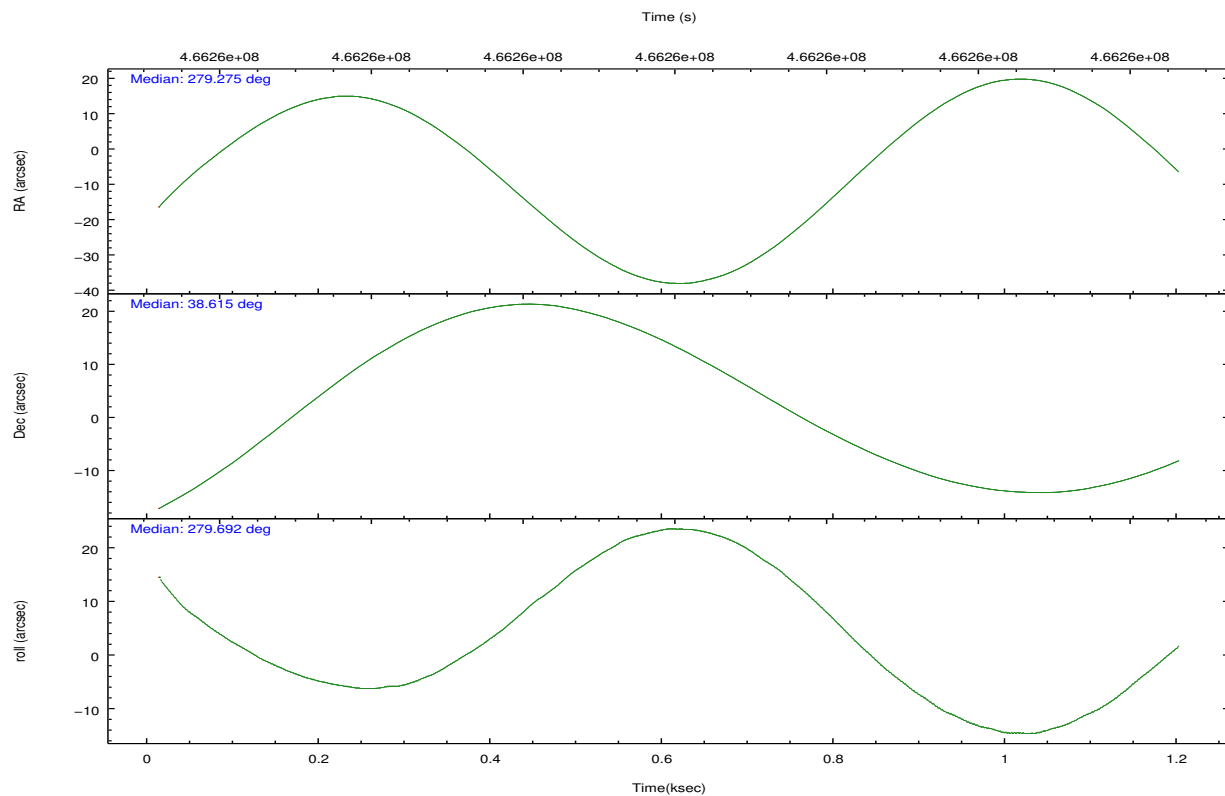
2.2 Compared Parameters

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	279.247706	279.2740665058268
[deg] Pointing Dec	38.636876	38.61555585742208
[deg] Pointing Roll	279.651327	279.7022082588227
[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)	466260587.184000	466260208.05808
Observation start date	2012-10-10T12:48:40	2012-10-10T12:43:28
[s] Observation end time (MET)	466261587.184000	466261720.95816
Observation end date	2012-10-10T13:05:20	2012-10-10T13:08:40

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

2.3 Aspect



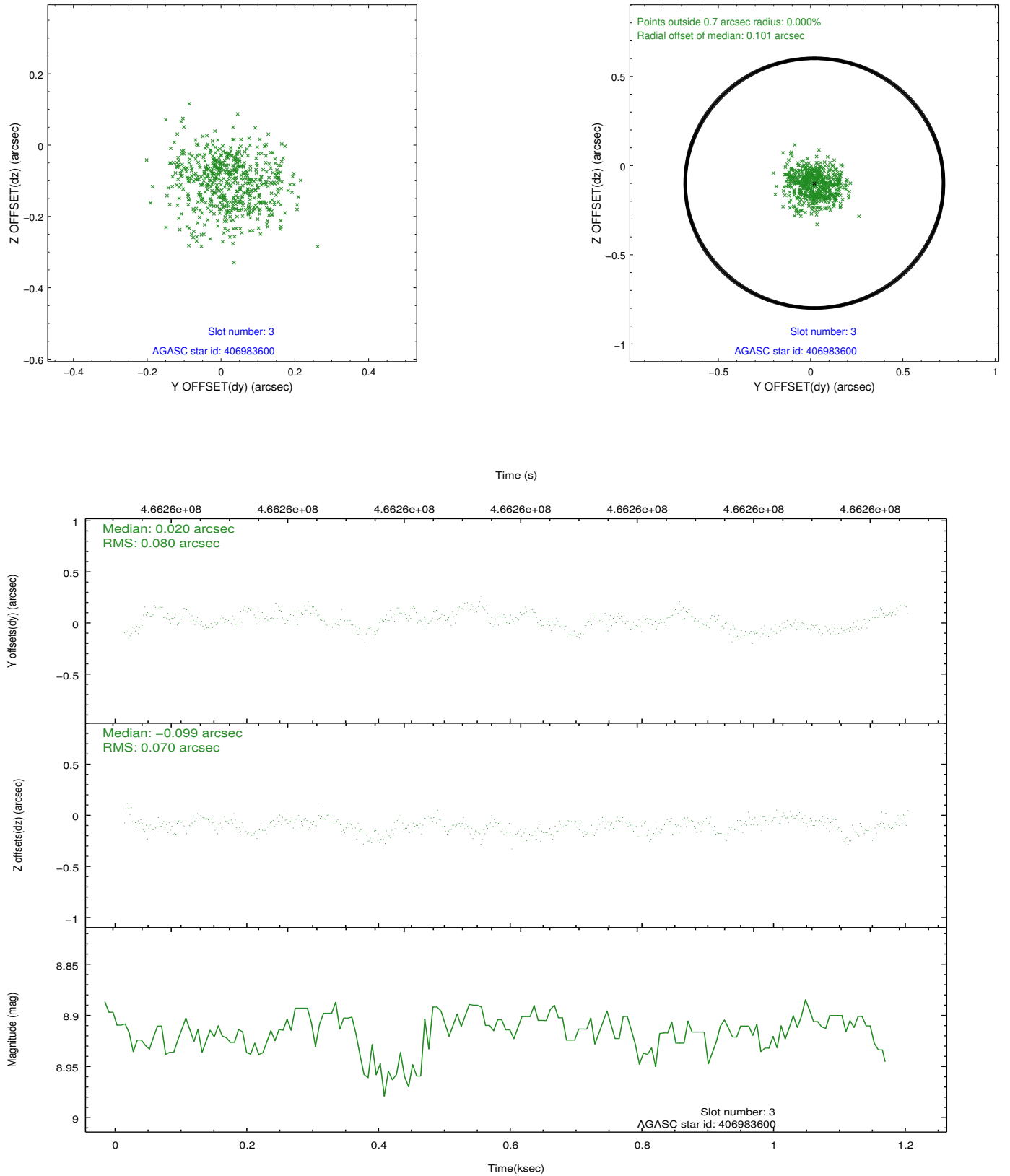


Slot Statistics

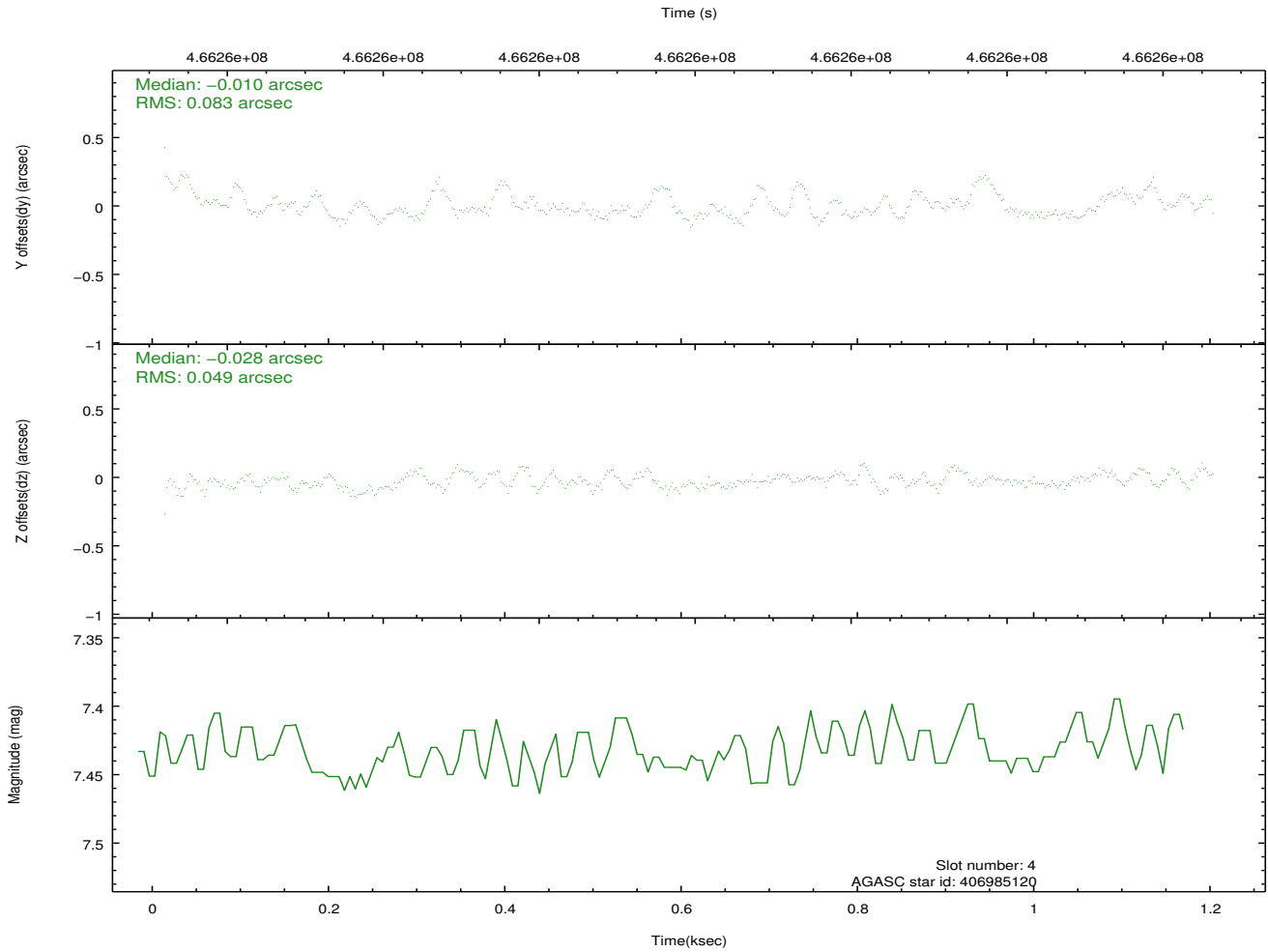
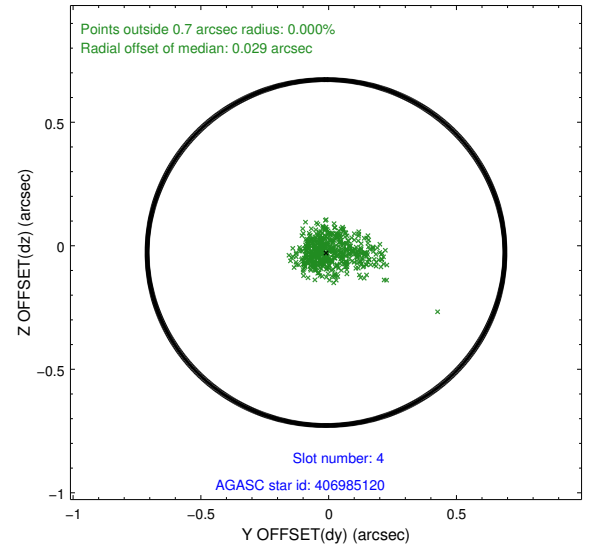
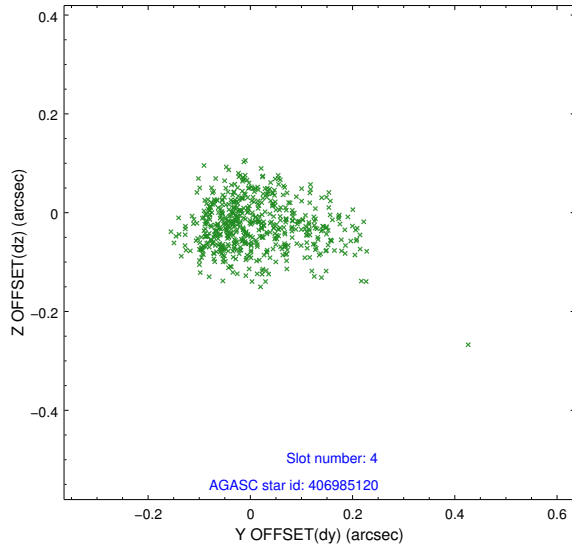
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.11	291	0.035	-0.219	0.008	0.018	0.000000	0.000000	-1173.96	-469.75
1	FID		HRC-S-2	7.07	291	0.265	-0.118	0.005	0.009	0.000000	0.000000	1221.89	-463.92
2	FID		HRC-S-3	7.09	291	0.089	0.035	0.008	0.016	0.000000	0.000000	-1172.42	558.43
3	GUIDE	used	406983600	8.91	581	0.020	-0.099	0.117	0.180	279.940957	39.020708	-1044.50	2141.34
4	GUIDE	used	406985120	7.44	581	-0.010	-0.028	0.094	0.175	278.839732	38.894839	-1112.30	-971.10
5	GUIDE	used	406987272	6.96	581	-0.139	0.121	0.072	0.116	278.536588	38.437504	360.36	-2101.38
6	GUIDE	used	406993992	7.65	581	0.057	0.066	0.073	0.120	279.053714	38.034587	2044.95	-912.19
7	GUIDE	used	406979352	9.25	580	0.058	-0.050	0.109	0.174	279.968297	39.230258	-1772.70	2334.84

2.4 Star Slots

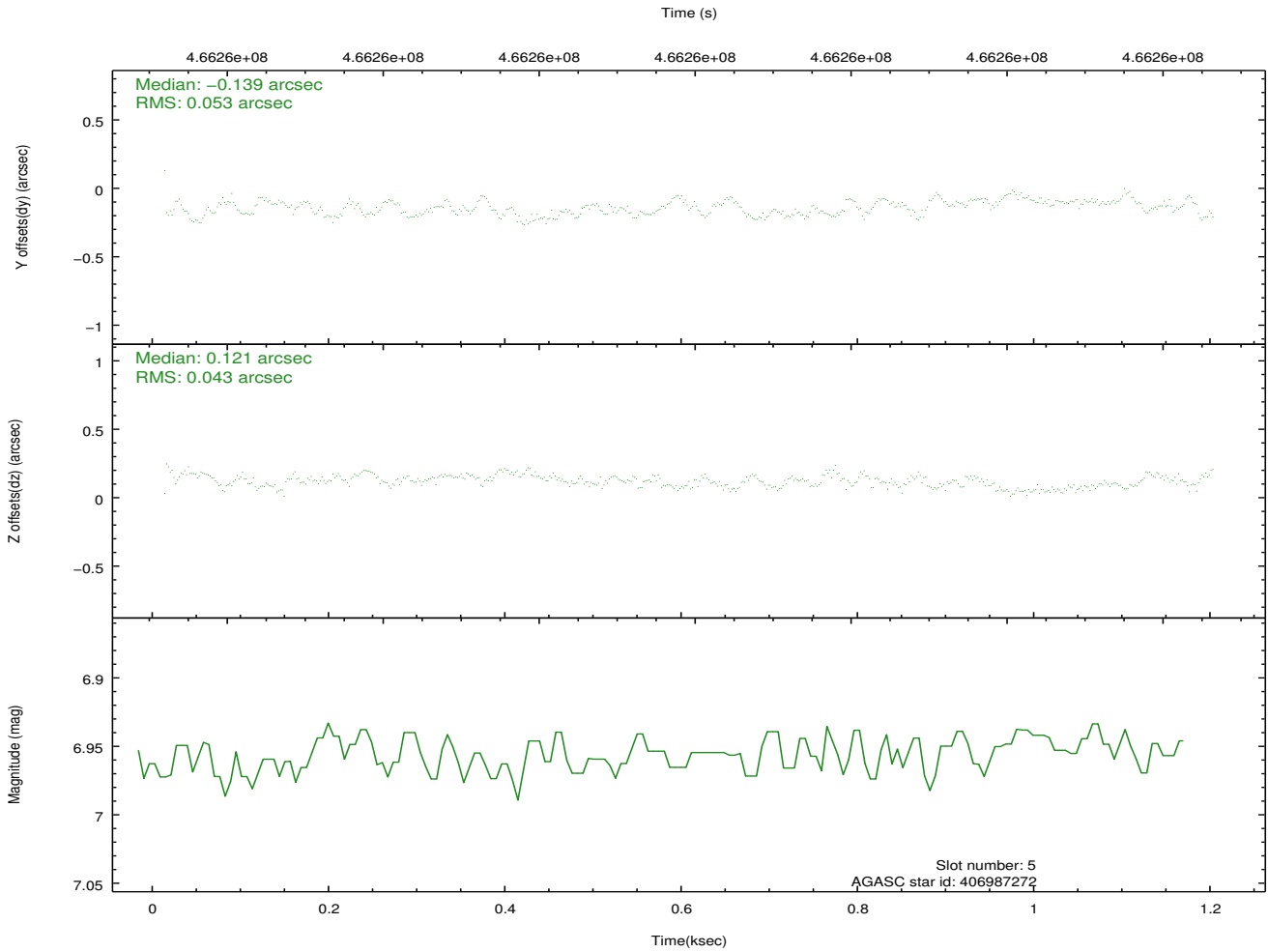
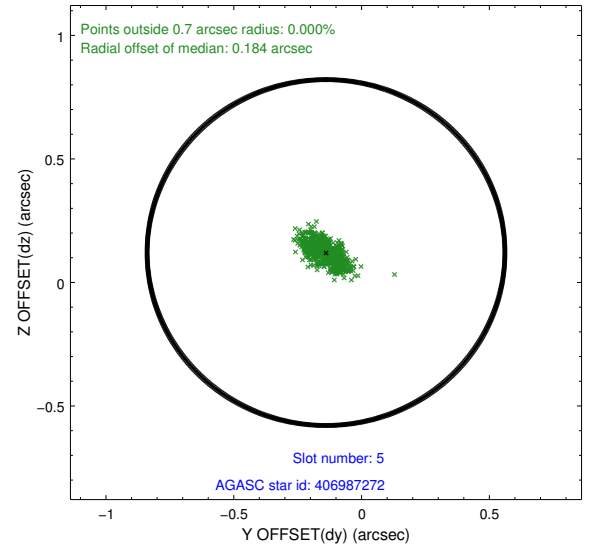
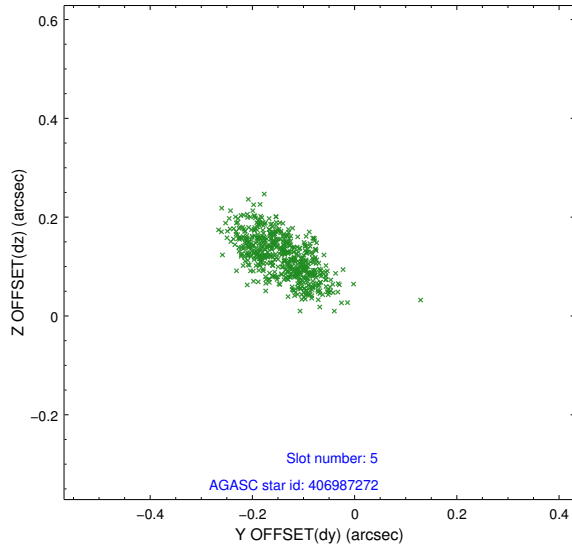
2.4.1 Slot 3



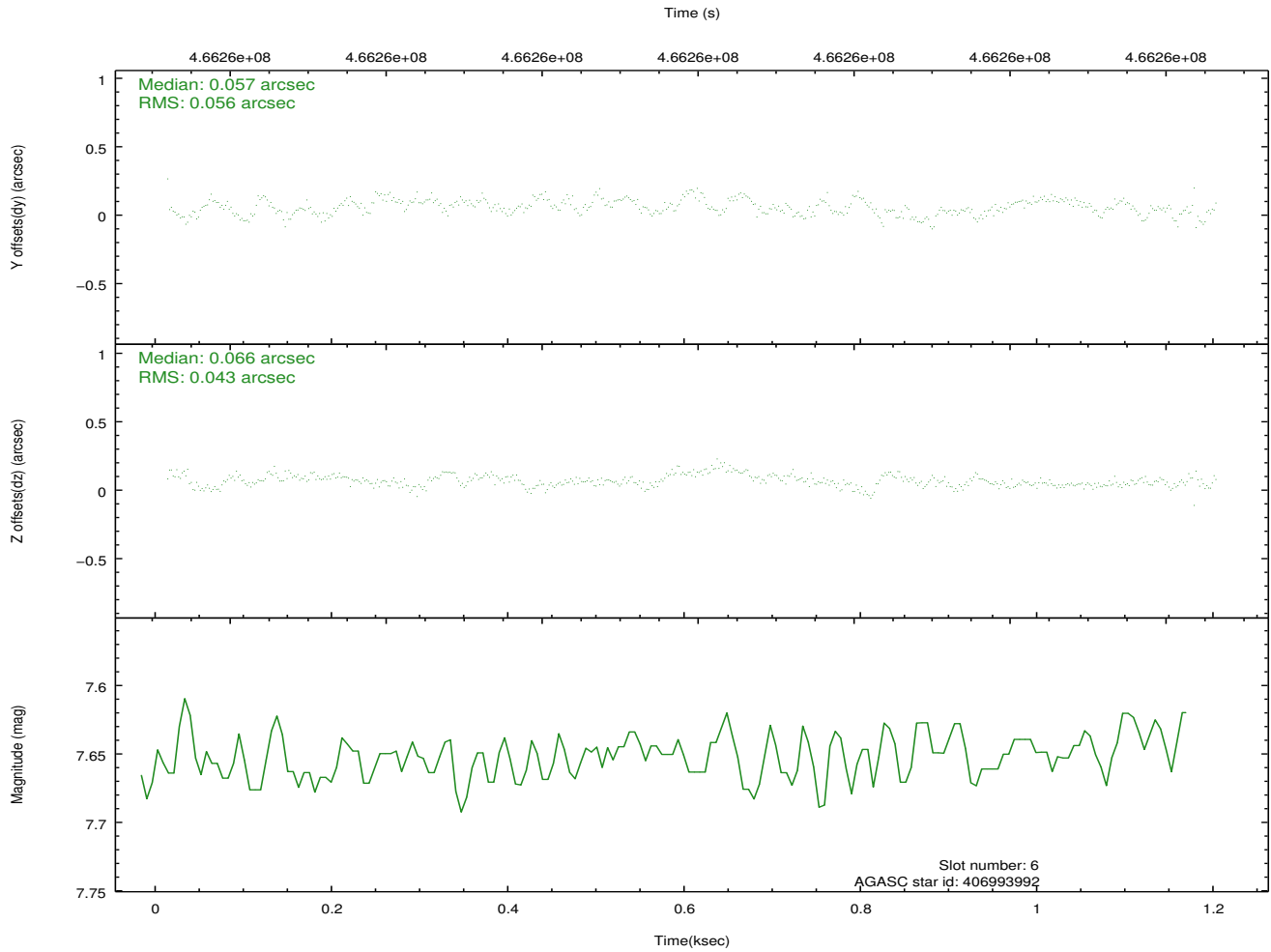
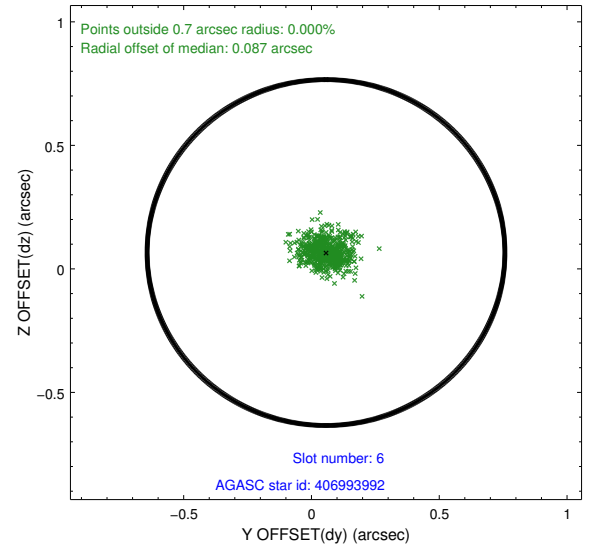
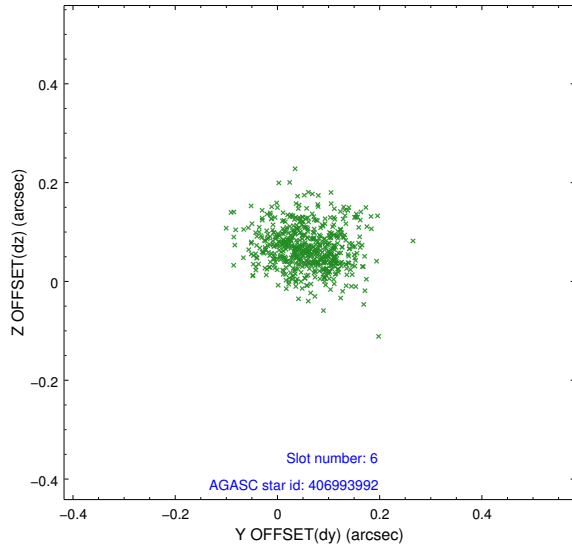
2.4.2 Slot 4



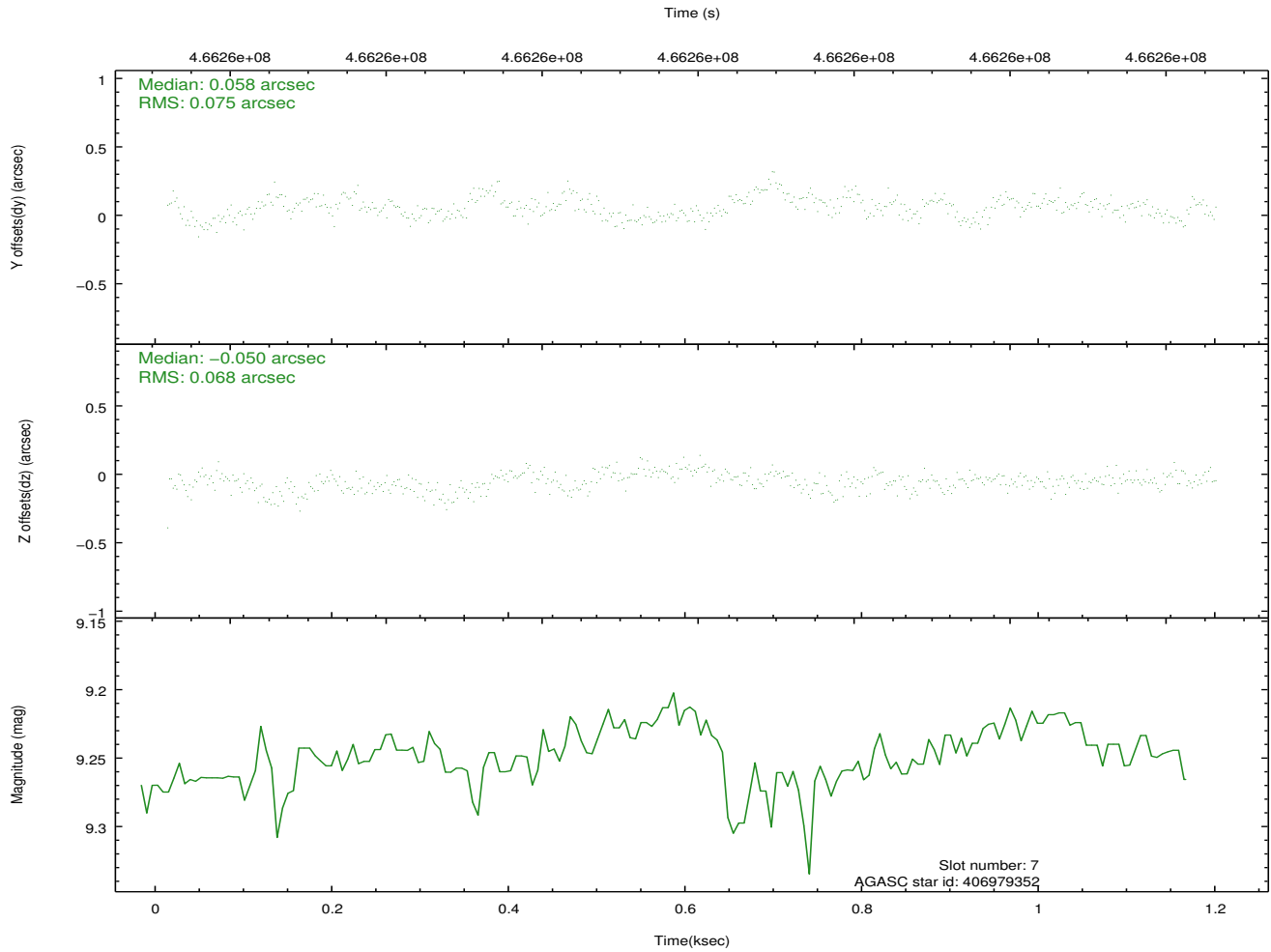
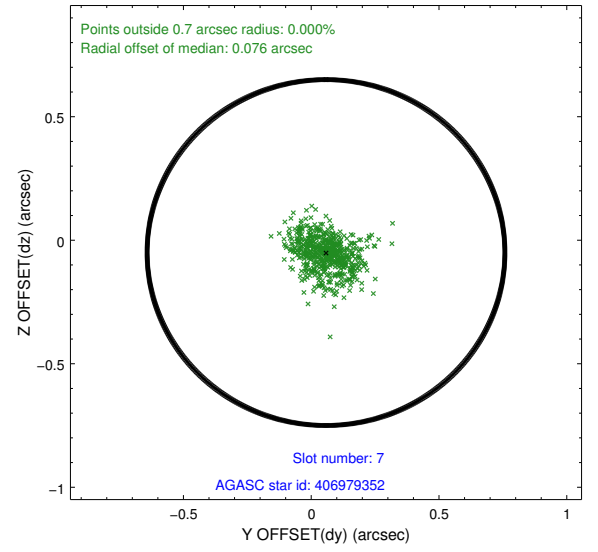
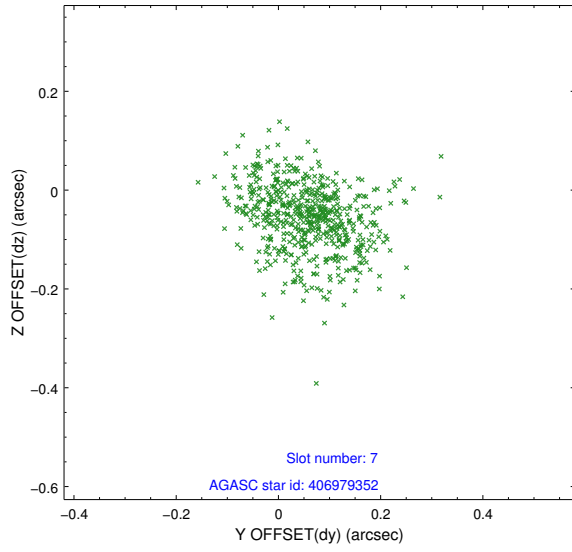
2.4.3 Slot 5



2.4.4 Slot 6

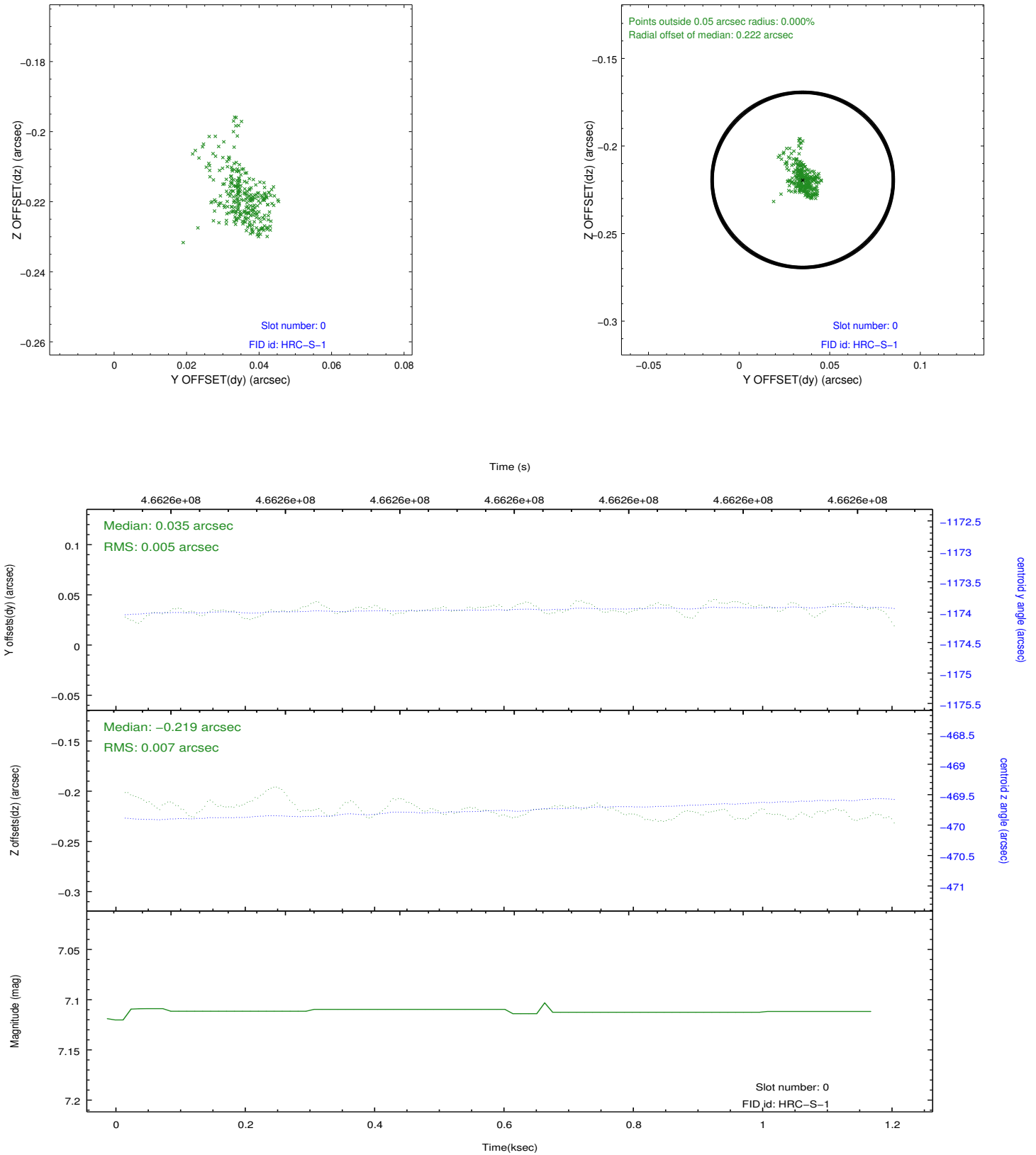


2.4.5 Slot 7

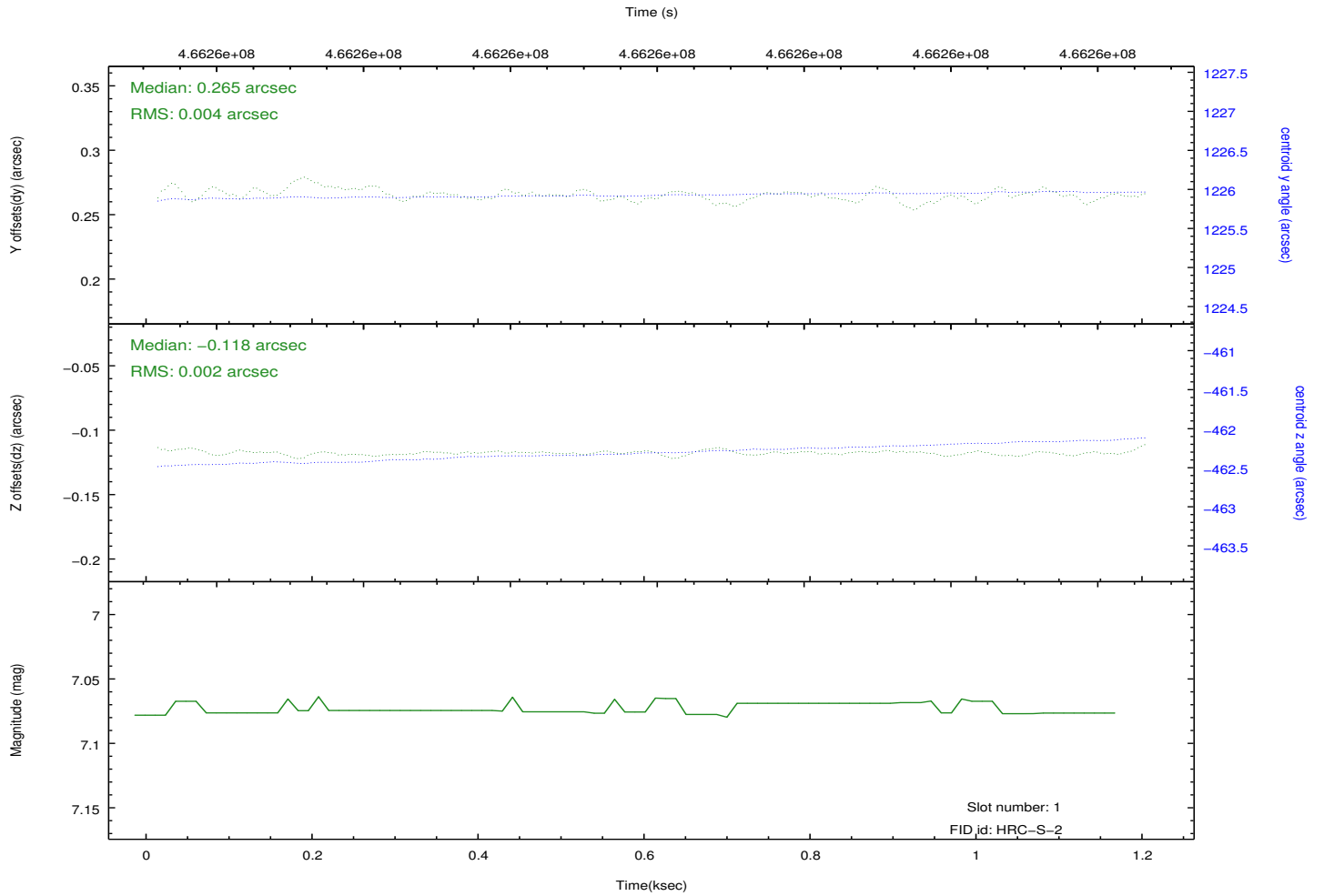
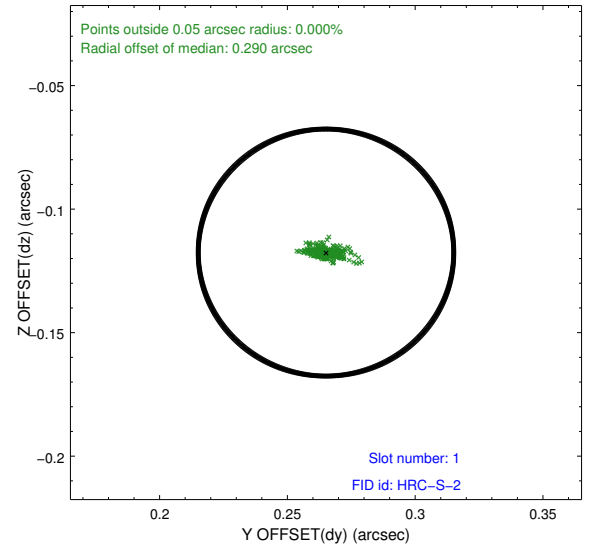
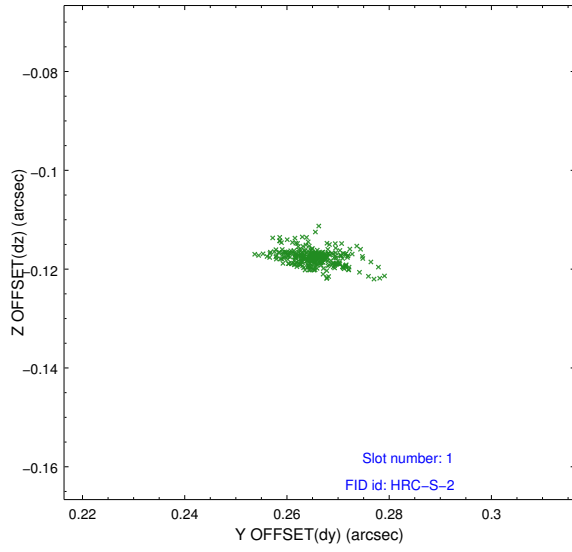


2.5 FID Slots

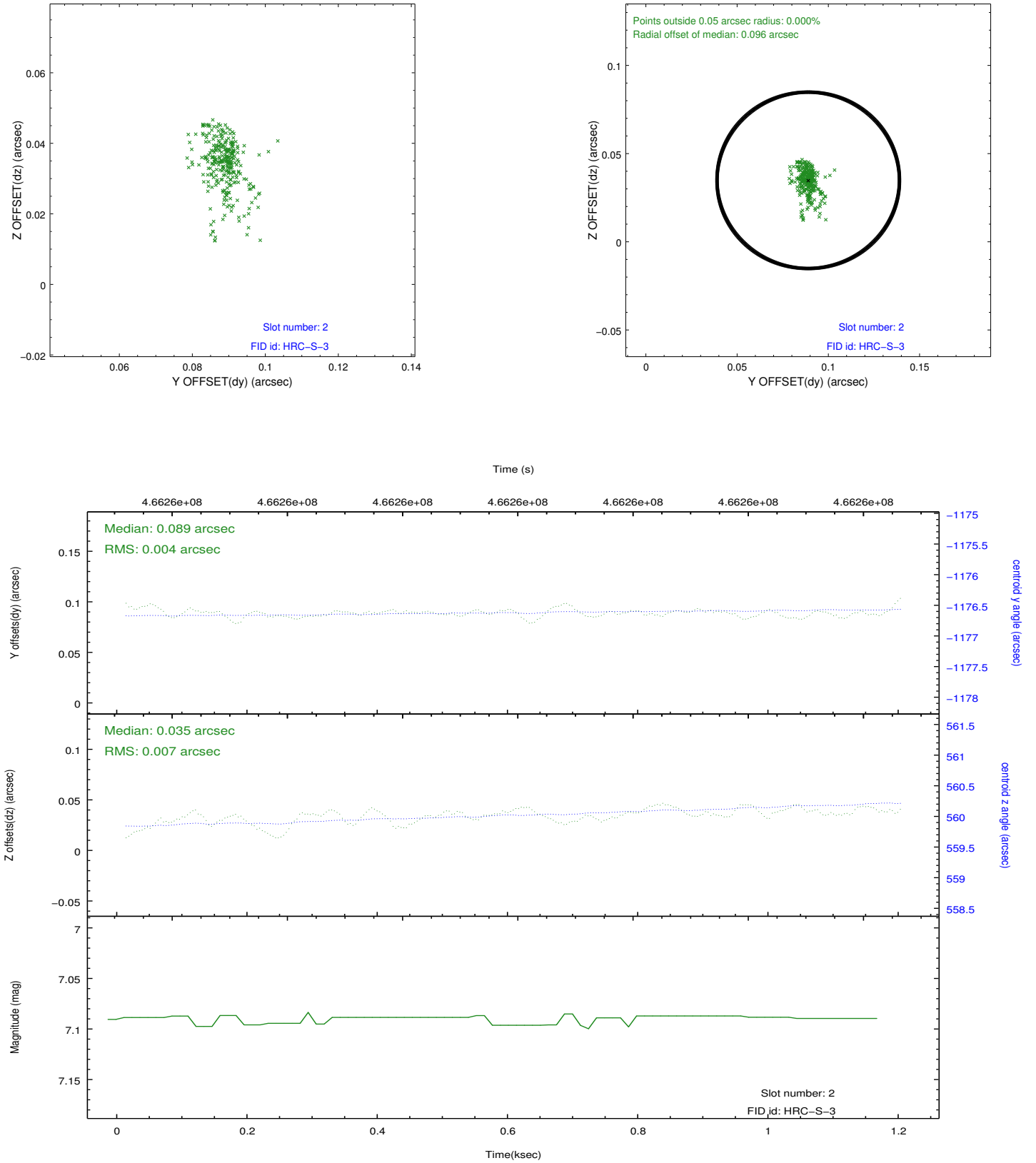
2.5.1 Slot 0



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	1.1595313122272

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.