

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 15398 - L2 Version 2
Chandra X-Ray Center

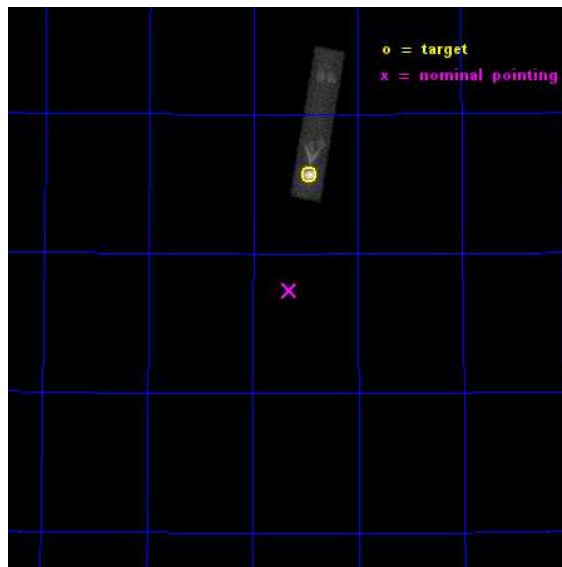
L2 Processing Date : Nov 27 2014

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1 Front

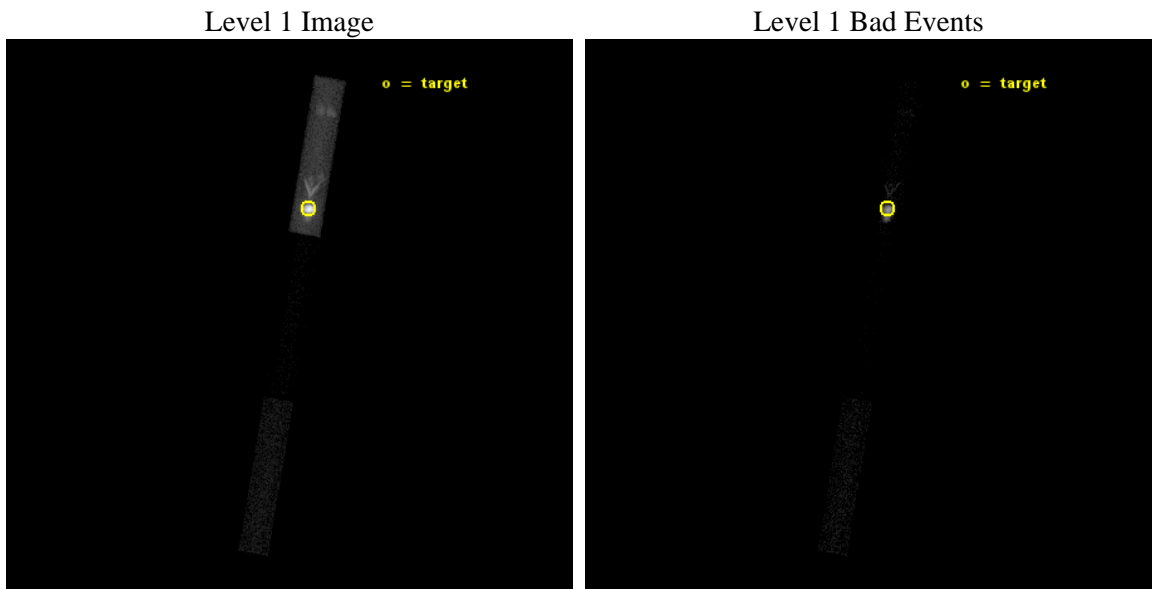
seq_num	291077	Sequence number
obs_id	15398	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.32676495927	Nominal RA [deg]
dec_nom	38.369175711687	Nominal Dec [deg]
roll_nom	279.70431365219	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1186.1813136339	[s]
liveltime	446.36690152114	Ontime multiplied by DTCOR
l2events	212167	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	1186.1813136339	[s]
caldsver	4.6.4	 	l1events	265558	Number of level 1 events
date	2014-11-27T22:42:13	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

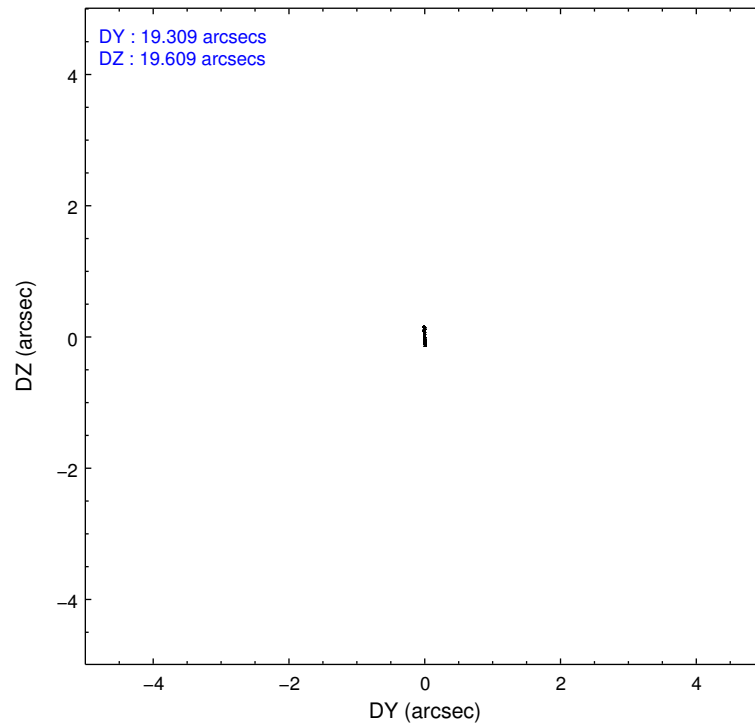
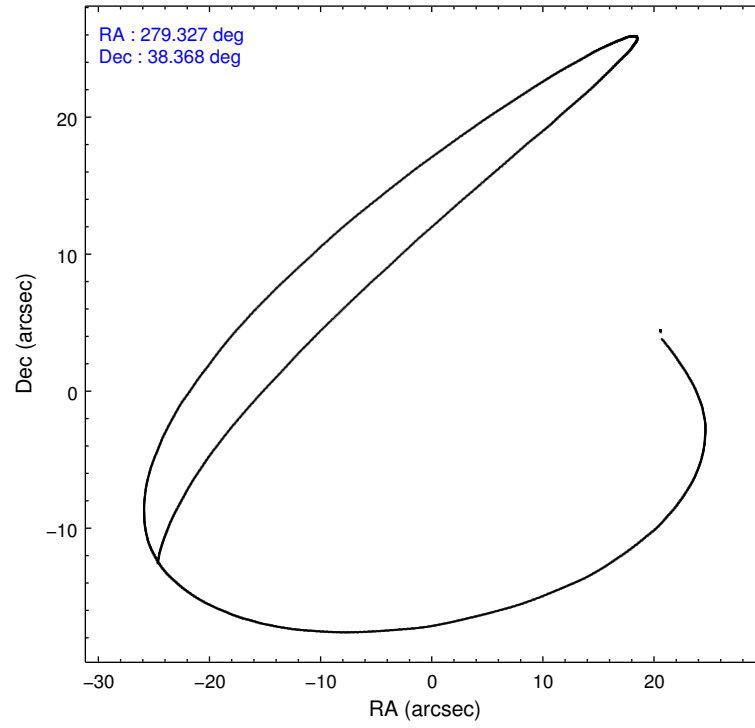
	segment 1	segment 2	segment 3
level 1 events	260644	301	4613
rejected events	41937	290	4598
rejected %	16%	96%	99%

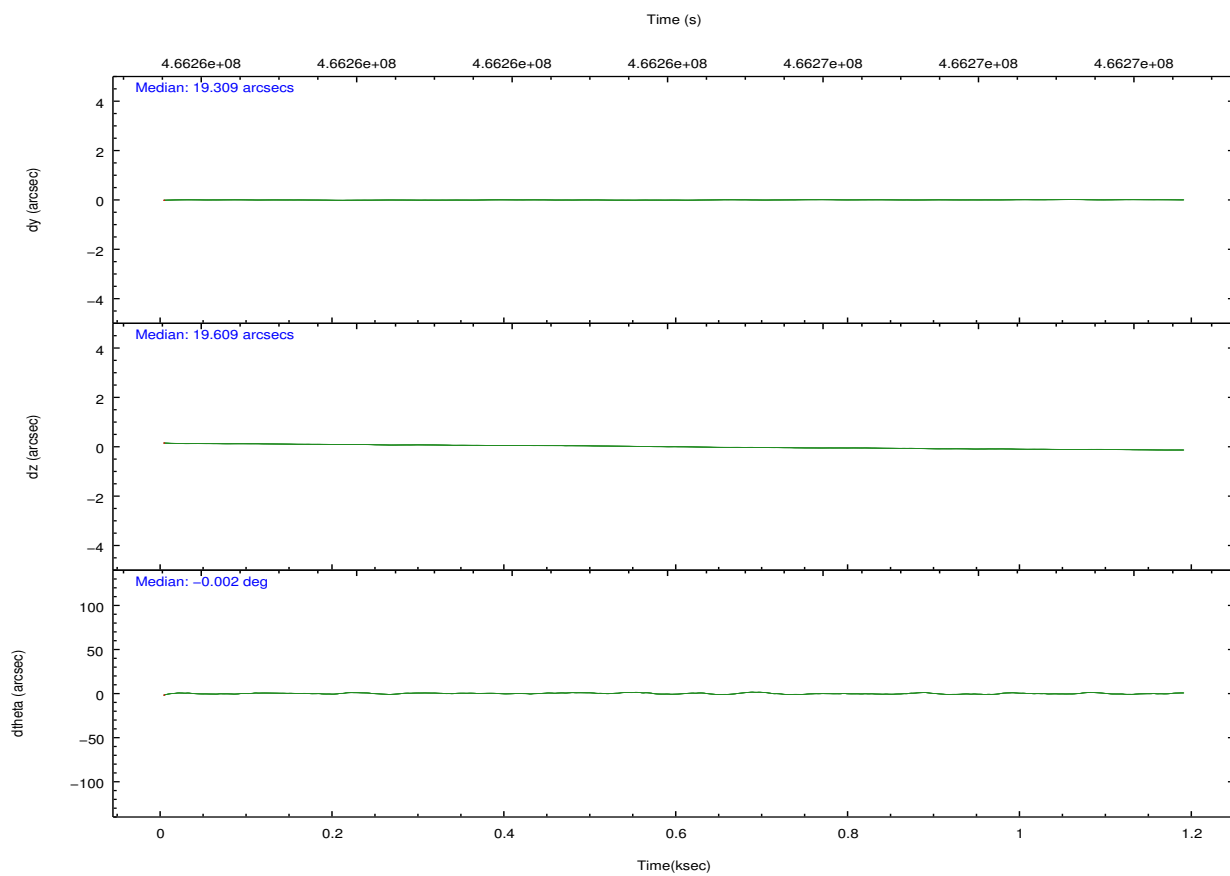
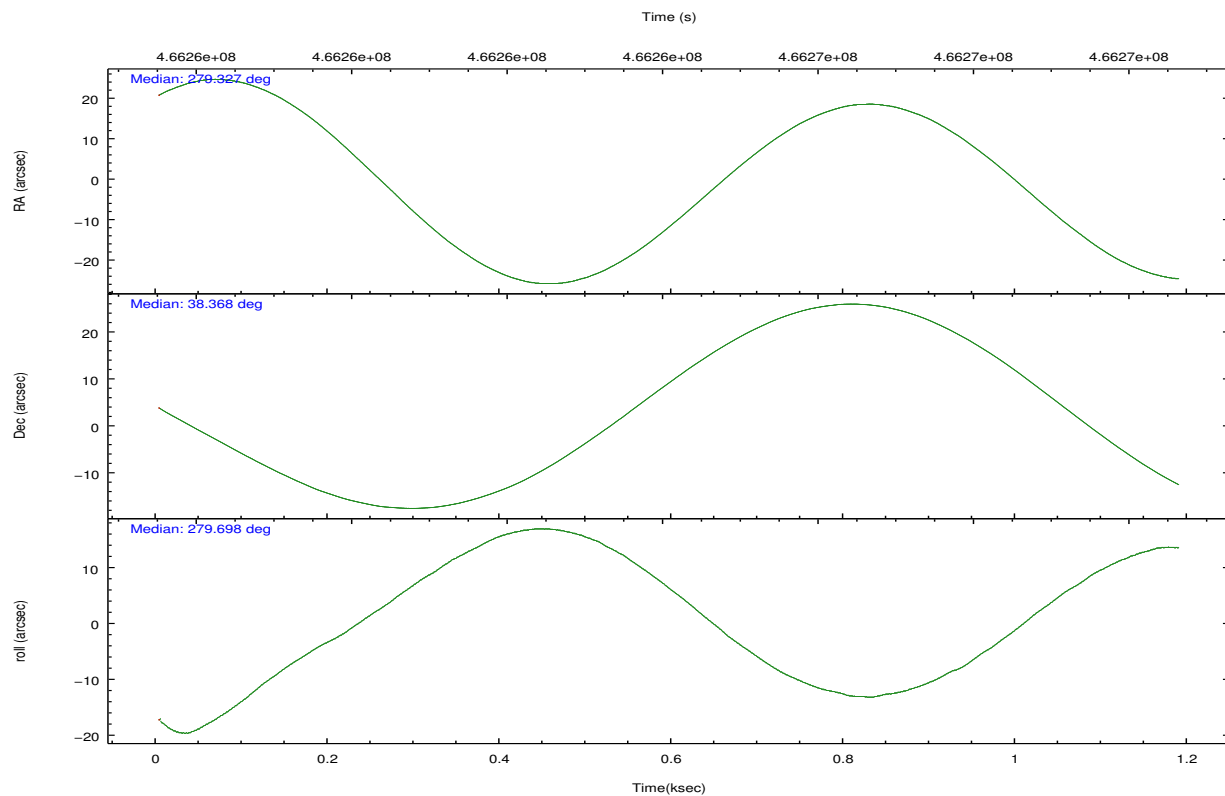
2.2 Compared Parameters

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	279.301493	279.3267649592694
[deg] Pointing Dec	38.390435	38.36917571168737
[deg] Pointing Roll	279.652686	279.7043136521941
[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)	466264607.184000	466264231.18329
Observation start date	2012-10-10T13:55:40	2012-10-10T13:50:31
[s] Observation end time (MET)	466265607.184000	466265741.00837
Observation end date	2012-10-10T14:12:20	2012-10-10T14:15:41

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

2.3 Aspect



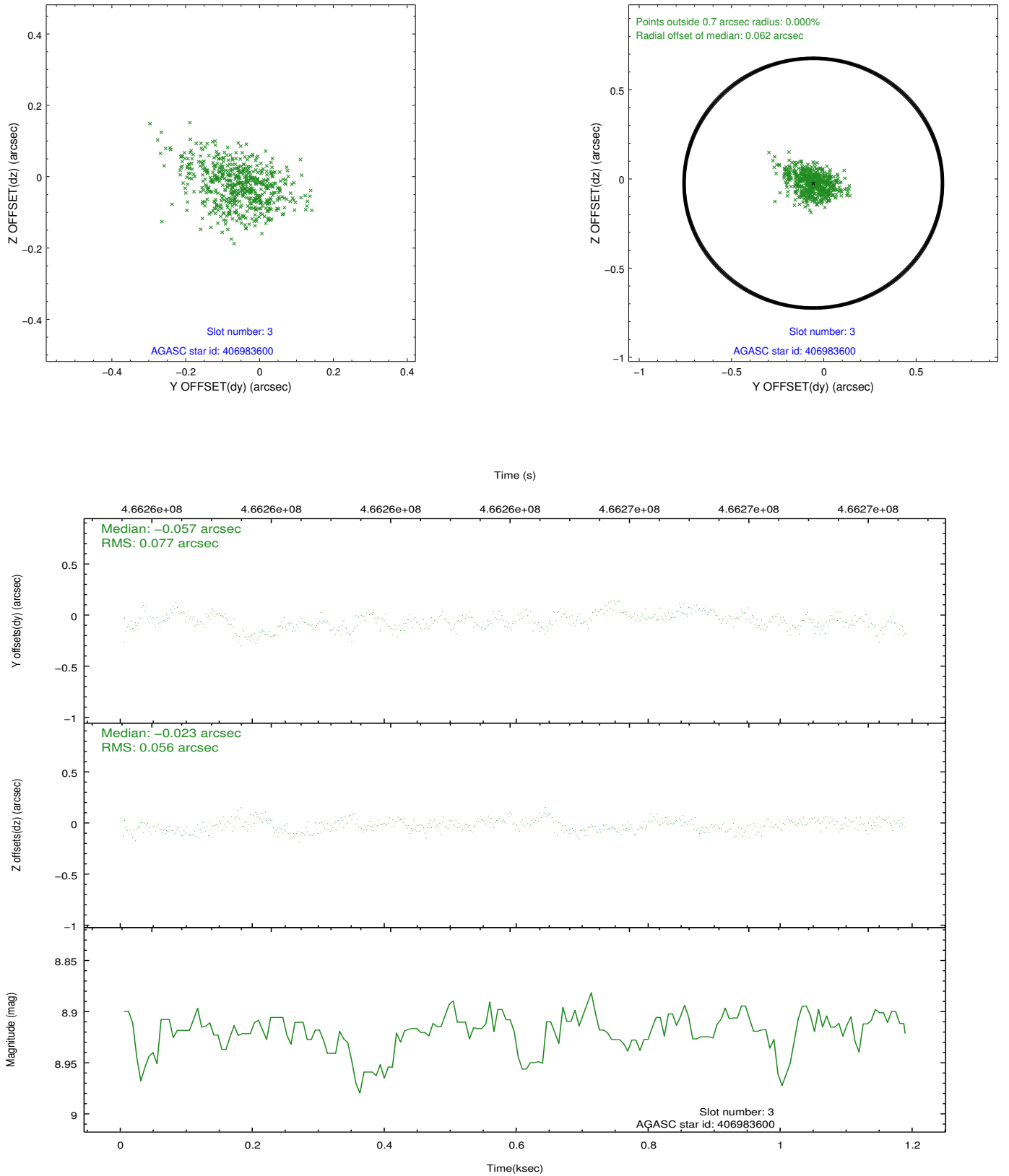


Slot Statistics

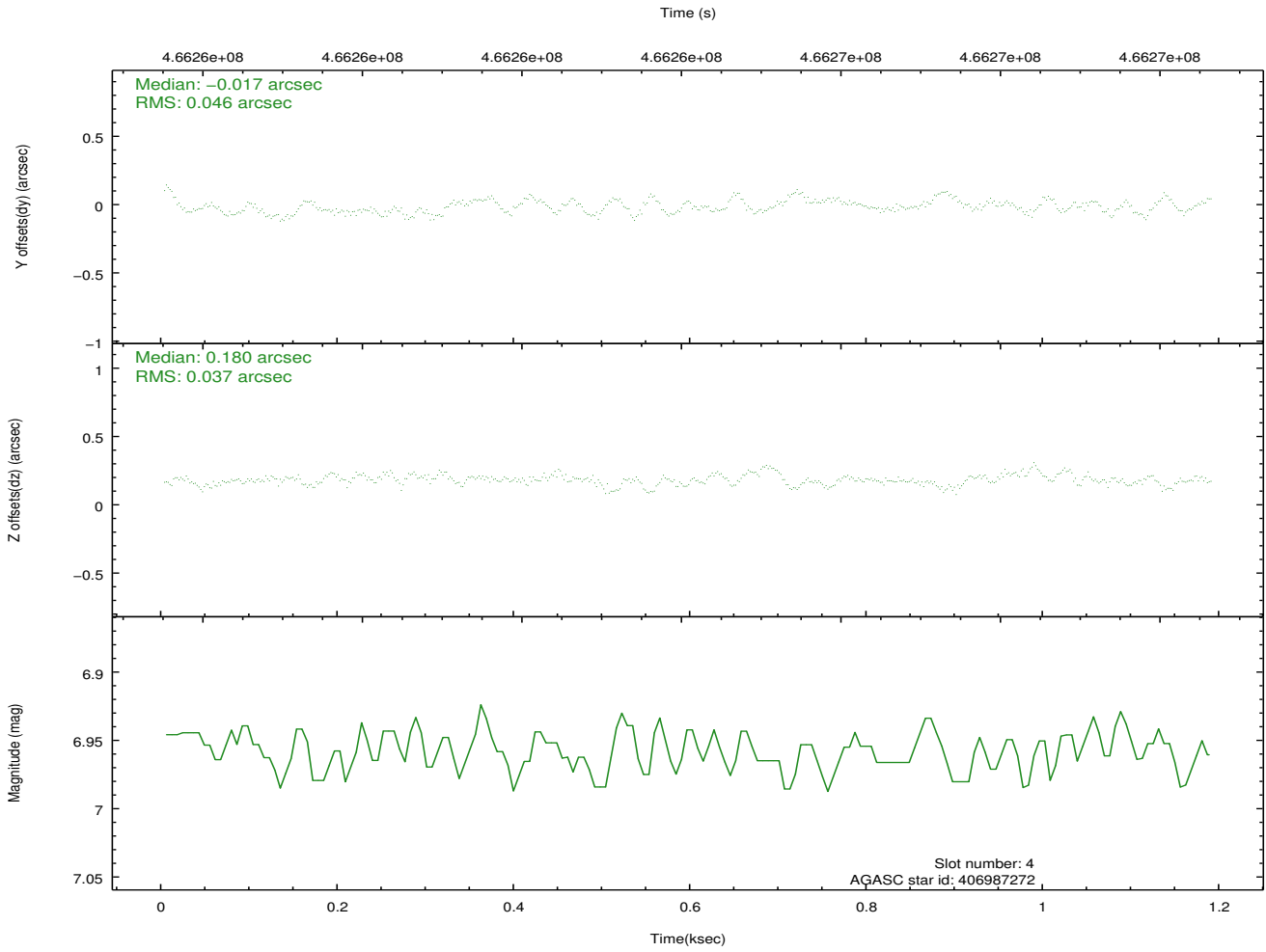
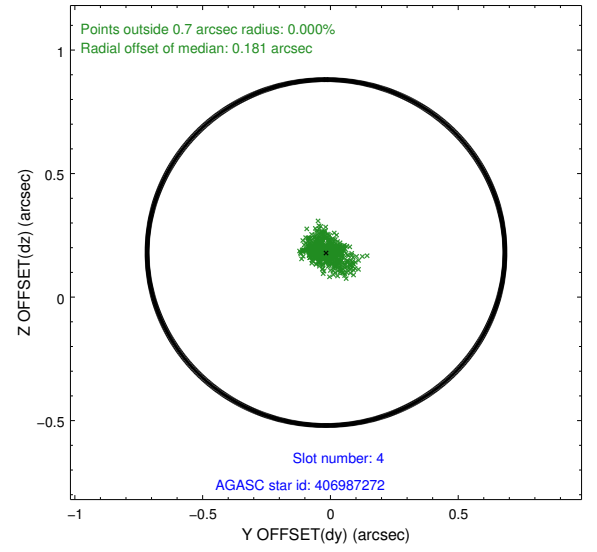
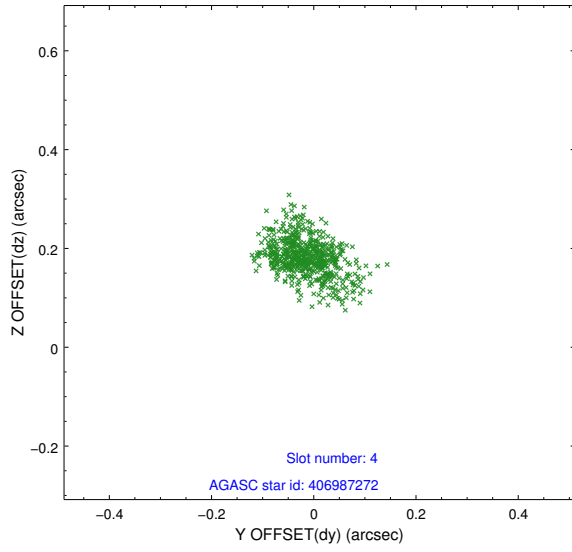
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.11	290	0.045	-0.253	0.007	0.010	0.000000	0.000000	-1173.85	-468.68
1	FID		HRC-S-2	7.07	290	0.257	-0.117	0.005	0.008	0.000000	0.000000	1221.97	-462.84
2	FID		HRC-S-3	7.09	290	0.089	0.068	0.007	0.011	0.000000	0.000000	-1172.29	559.57
3	GUIDE	used	406983600	8.92	580	-0.057	-0.023	0.098	0.165	279.940957	39.020708	-1942.49	2144.50
4	GUIDE	used	406987272	6.96	580	-0.017	0.180	0.062	0.107	278.536588	38.437504	-541.68	-2093.87
5	GUIDE	used	406992968	7.64	580	-0.118	-0.174	0.071	0.112	279.925490	37.993090	1698.97	1501.67
6	GUIDE	used	406985120	7.42	580	-0.045	0.065	0.079	0.131	278.839732	38.894839	-2007.60	-969.08
7	GUIDE	used	406992120	8.75	579	0.241	-0.050	0.112	0.182	278.923185	37.670464	2367.73	-1499.69

2.4 Star Slots

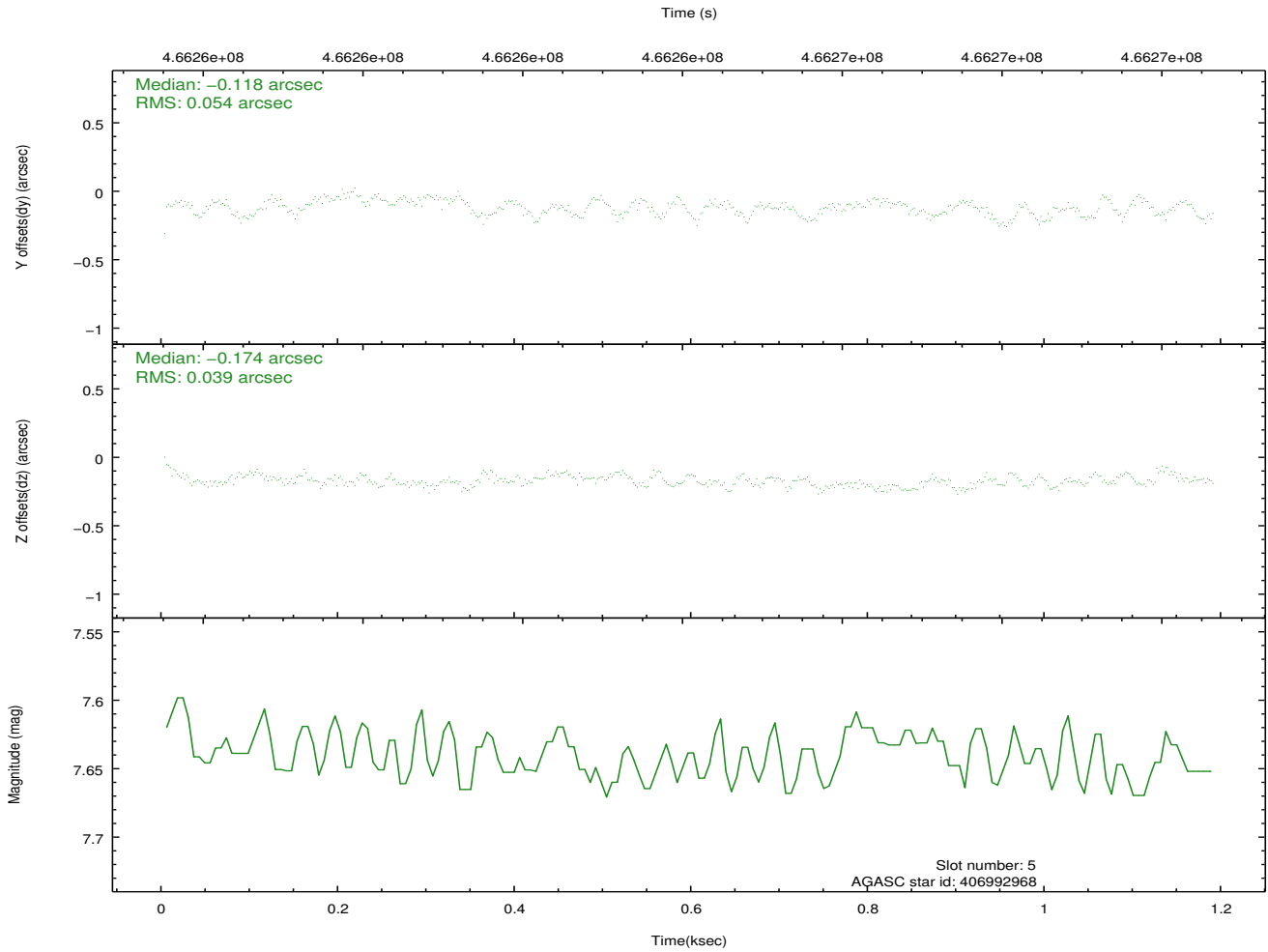
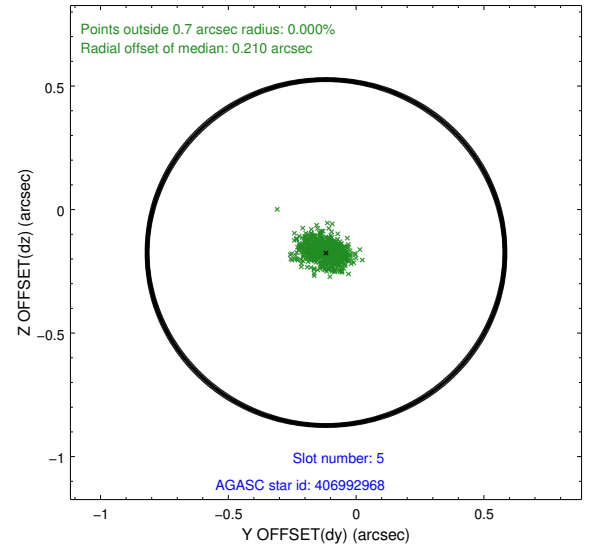
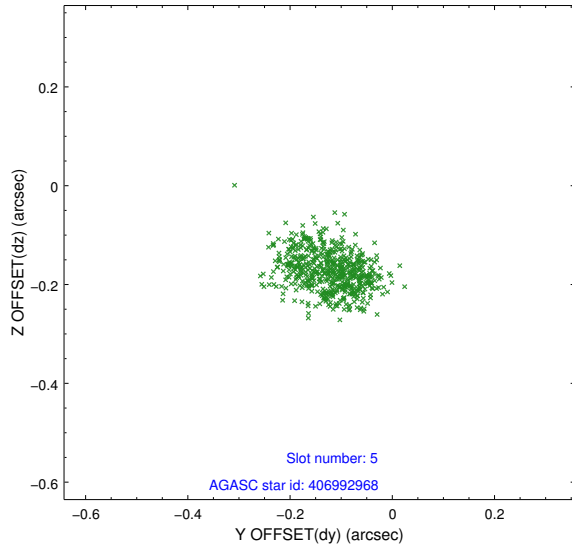
2.4.1 Slot 3



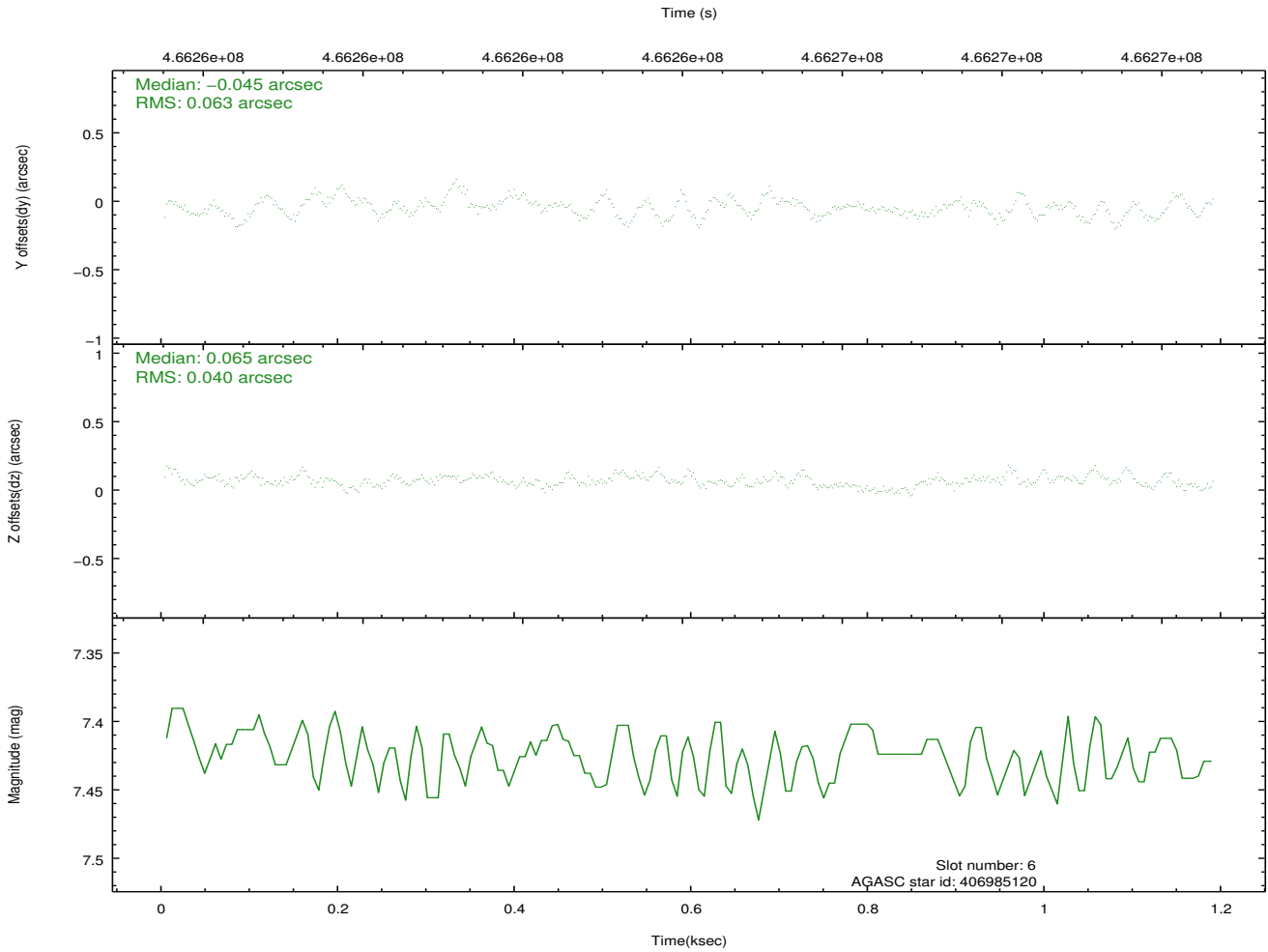
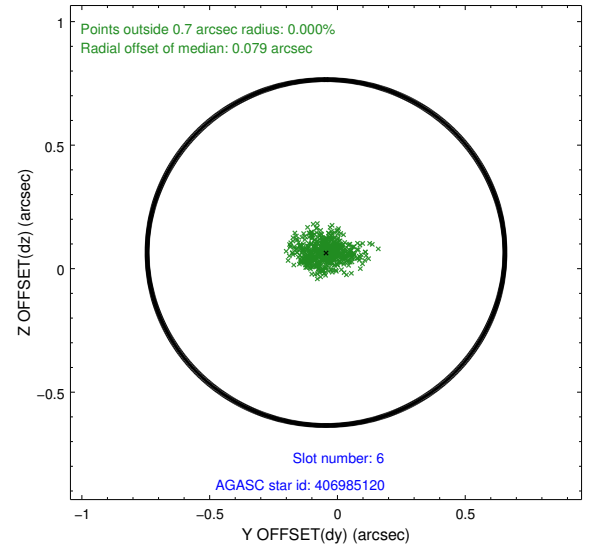
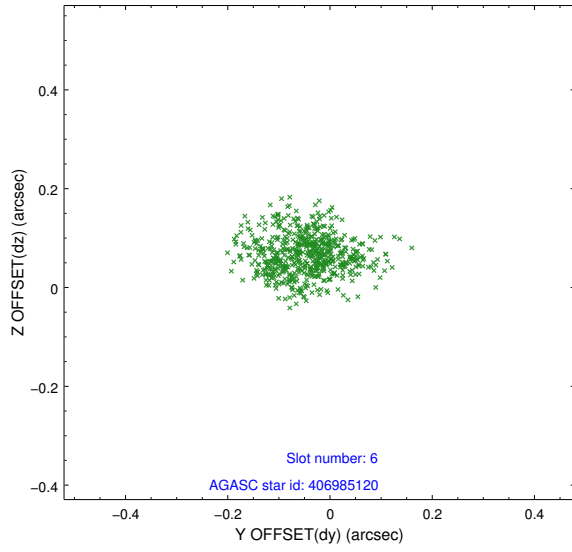
2.4.2 Slot 4



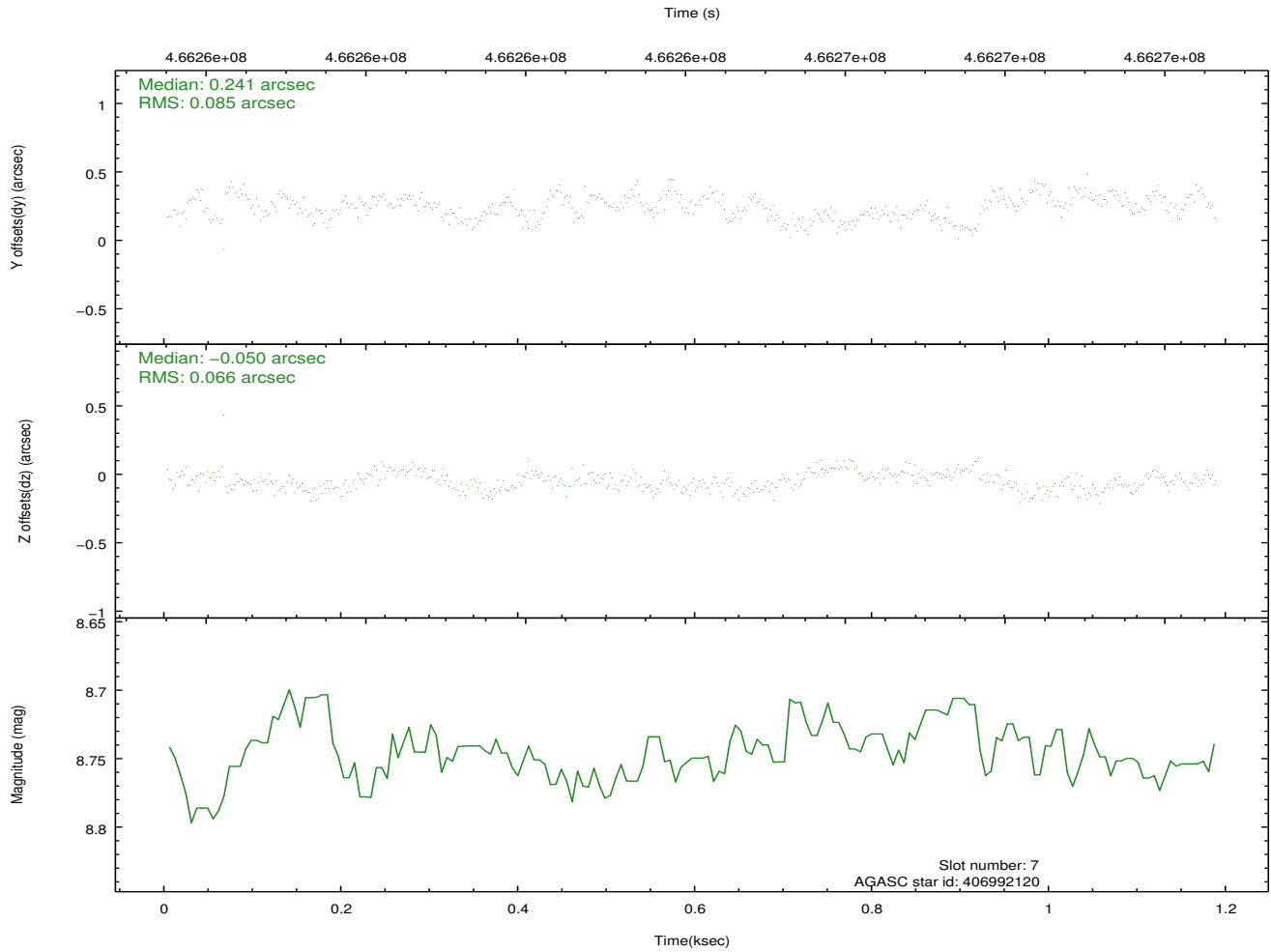
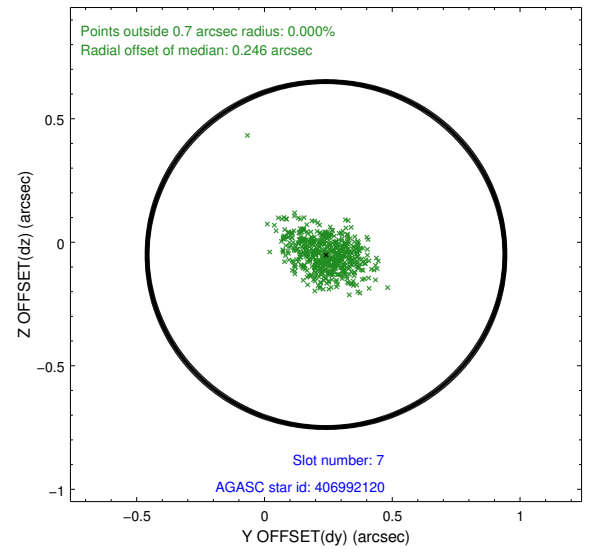
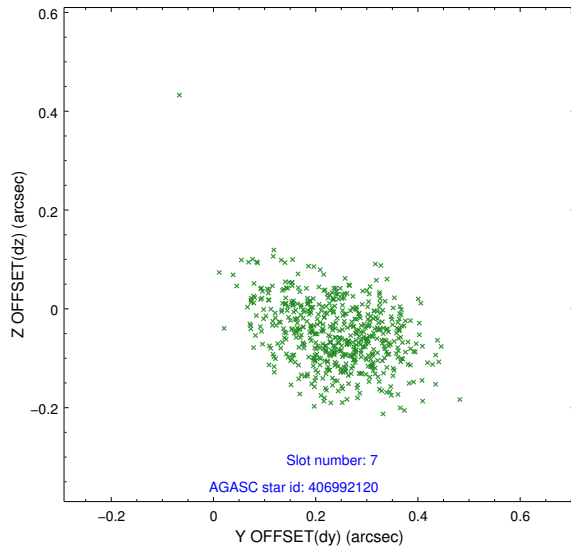
2.4.3 Slot 5



2.4.4 Slot 6

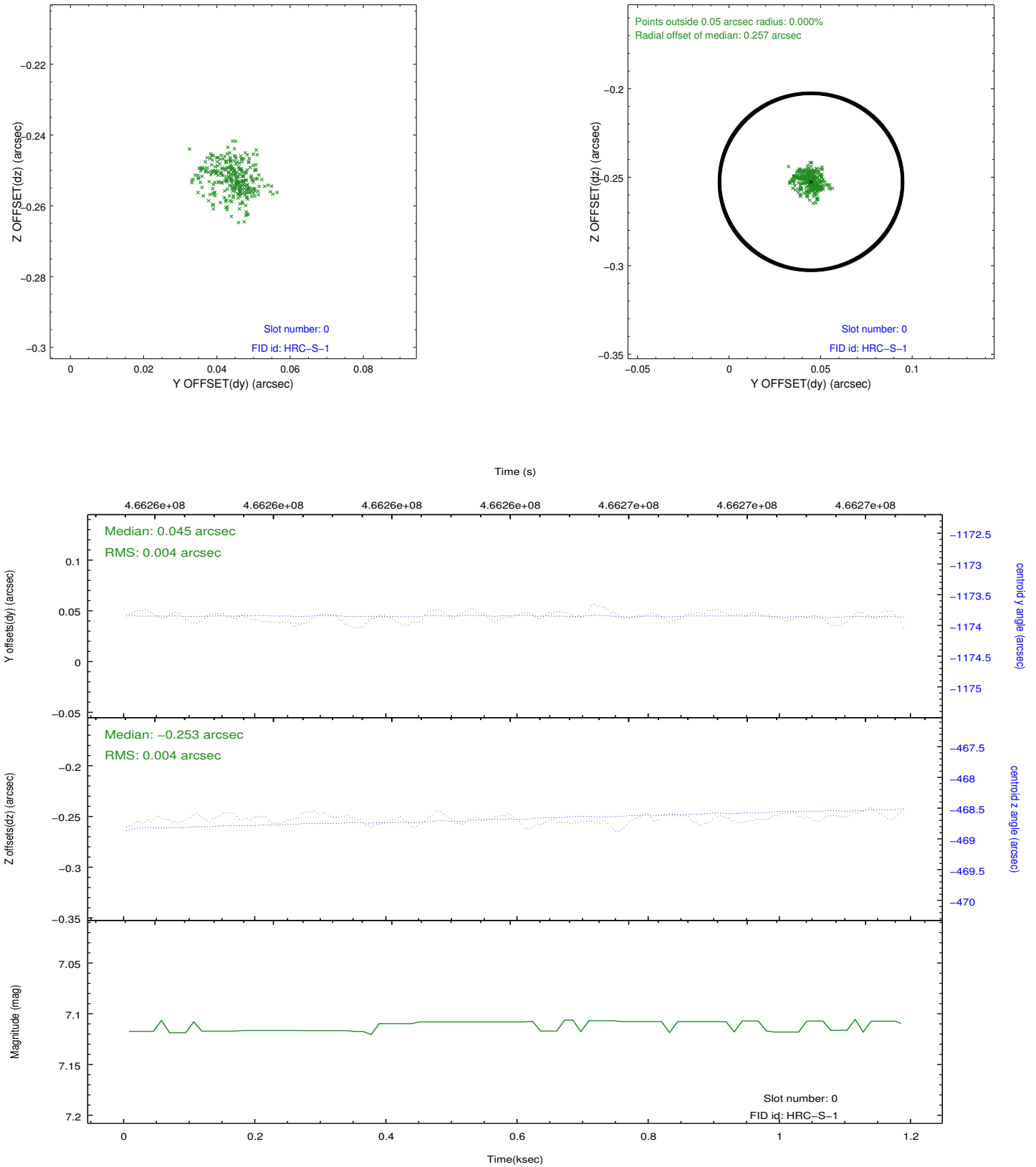


2.4.5 Slot 7

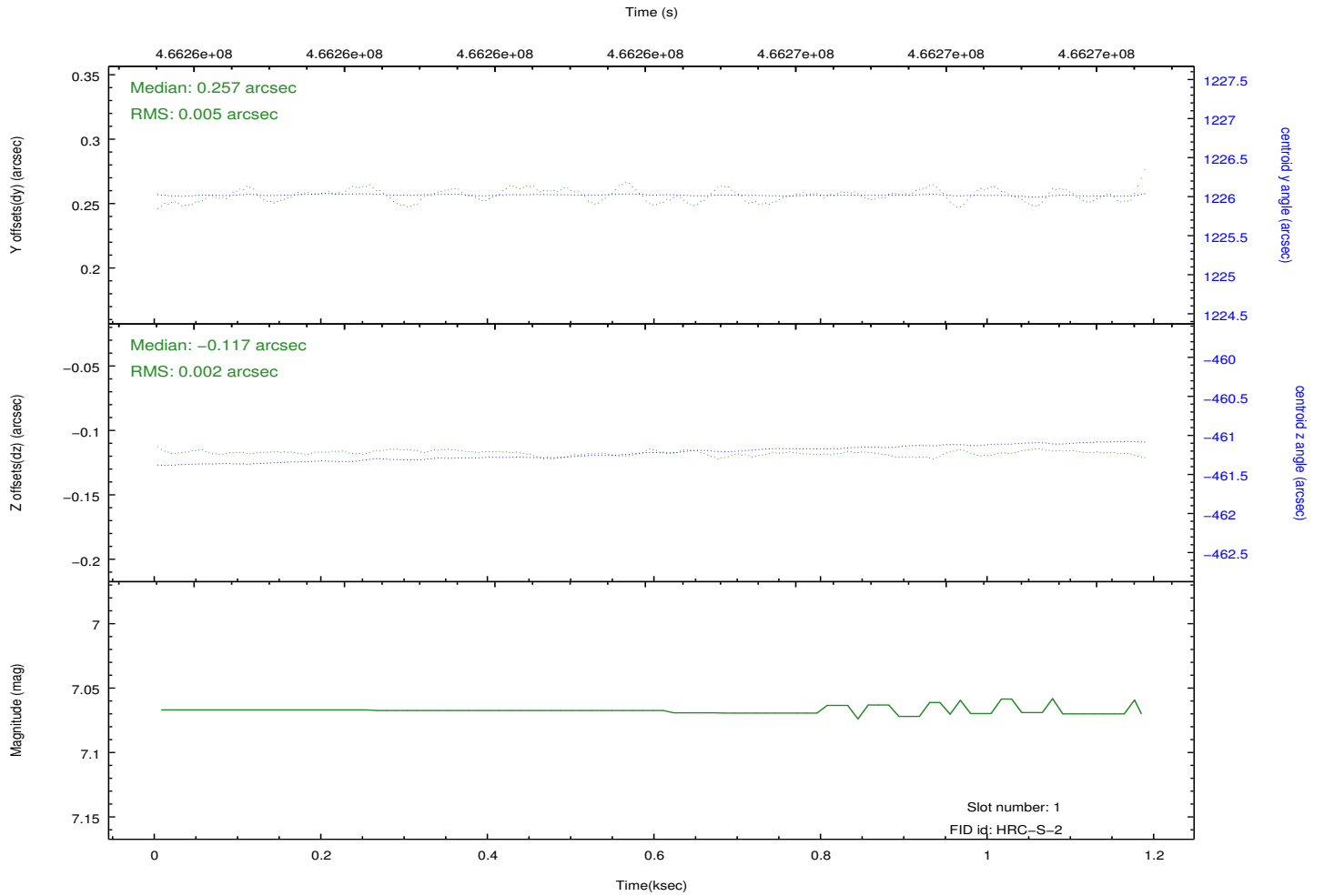
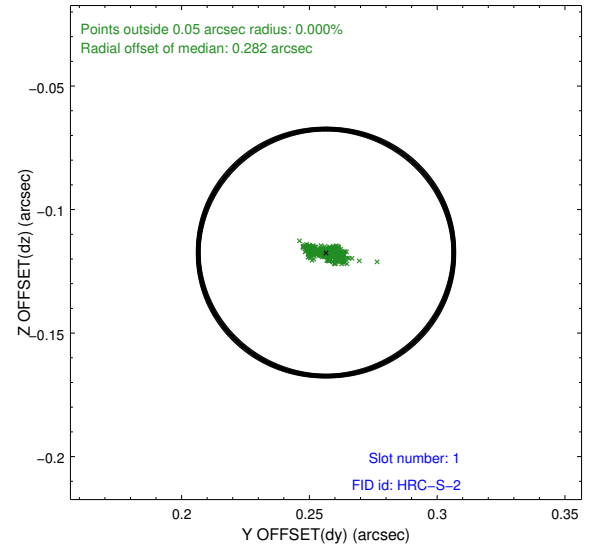
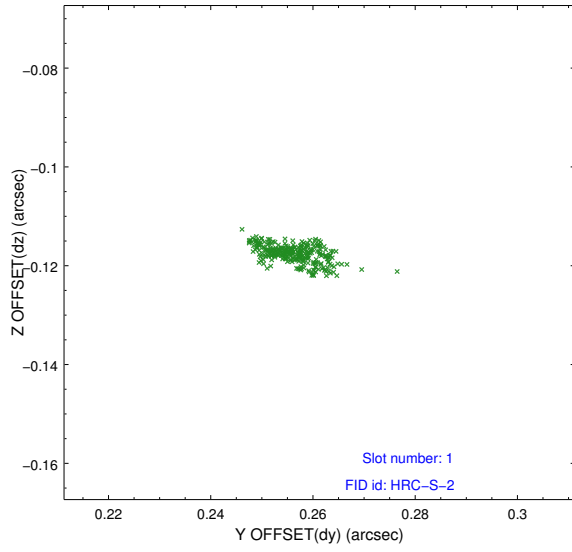


2.5 FID Slots

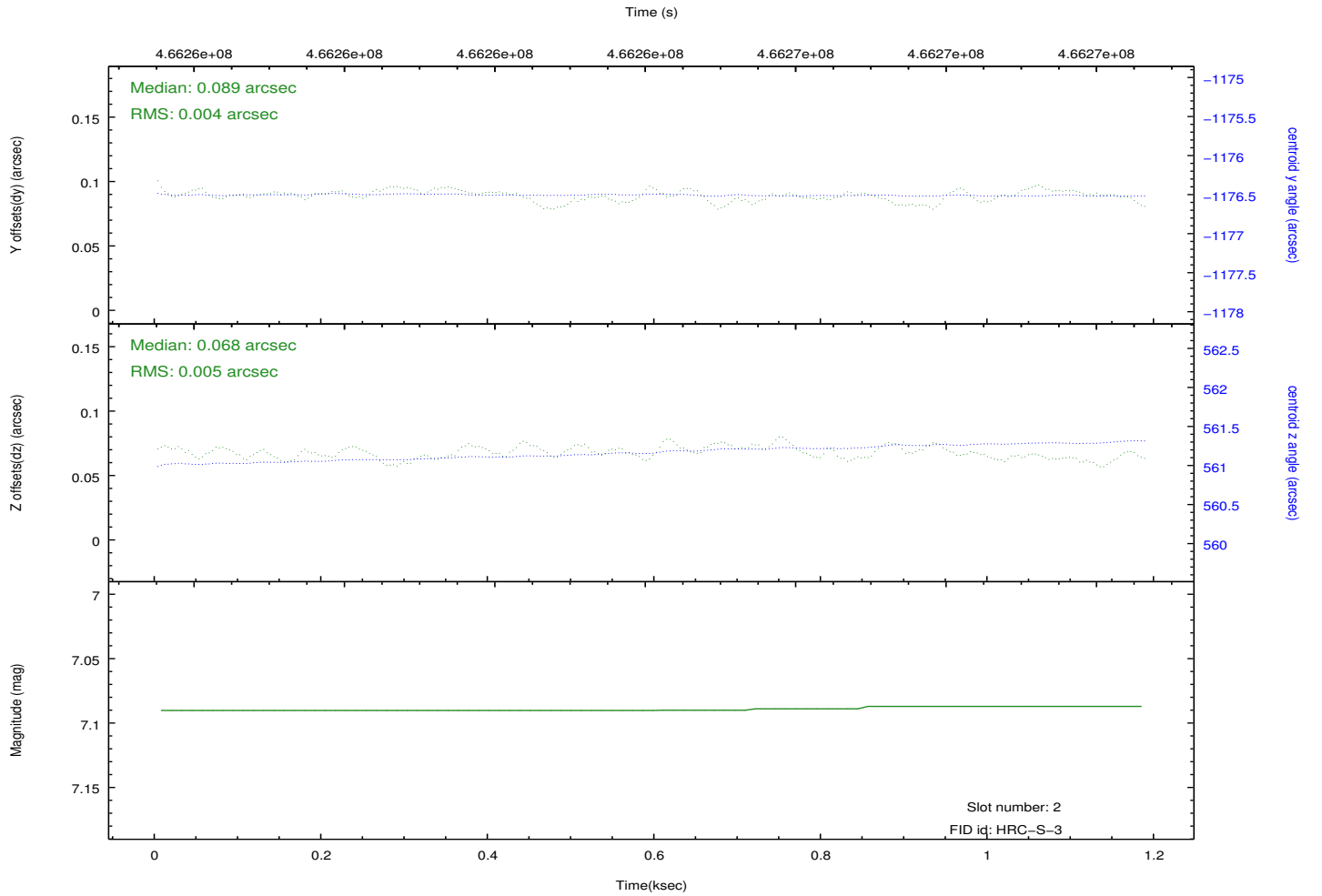
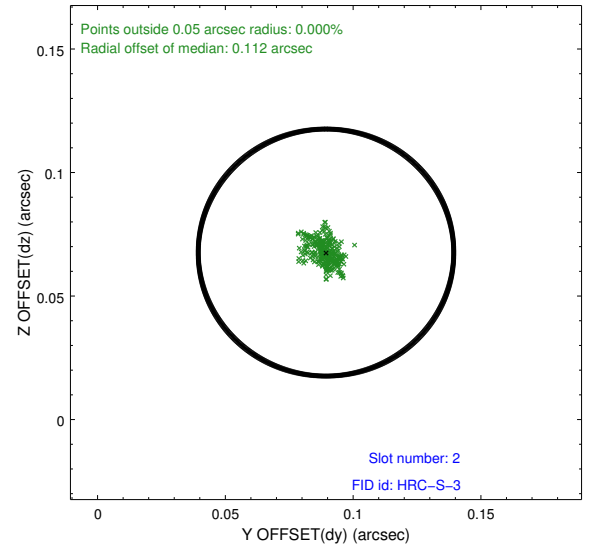
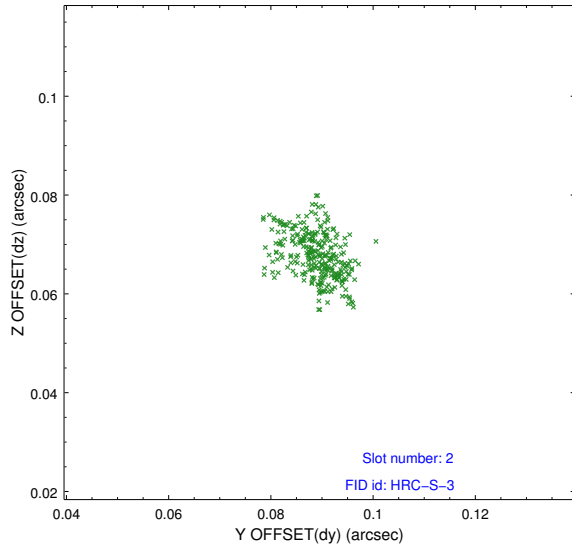
2.5.1 Slot 0



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	1.1861813136339

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.