

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21737 - L2 Version 1
Chandra X-Ray Center

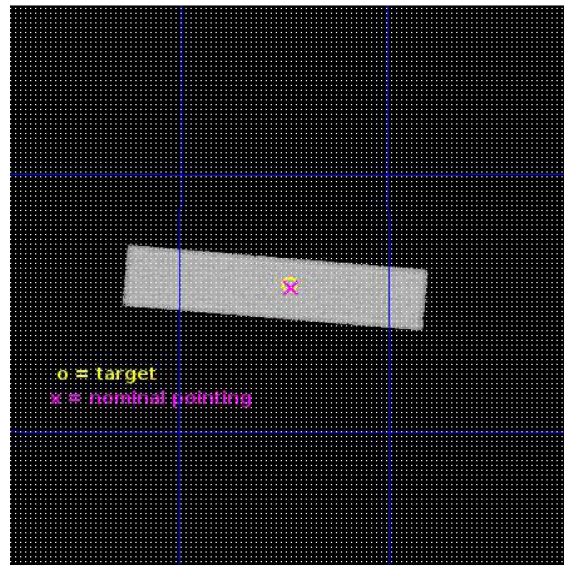
L2 Processing Date : Jul 5 2019

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1 Front

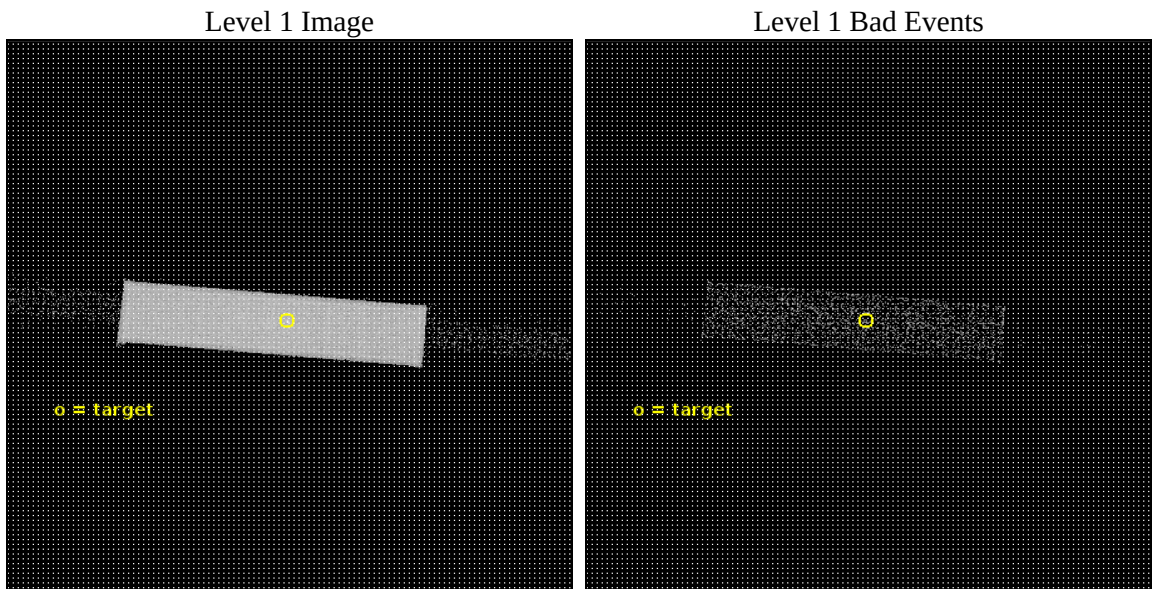
seq_num	291423	Sequence number
obs_id	21737	Observation id
title	AO-20 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.236347	Observer's specified target RA [deg]
dec_targ	38.785478	Observer's specified target Dec [deg]
ra_nom	279.2319851302	Nominal RA [deg]
dec_nom	38.780725666857	Nominal Dec [deg]
roll_nom	184.87235219518	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2179.406381011	[s]
livetime	2160.684383283	Ontime multiplied by DTCOR
l2events	142017	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	10.8	Processing system revision	ontime	2179.406381011	[s]
caldbver	4.8.3.1	 	l1events	178643	Number of level 1 events
date	2019-07-05T13:23:54	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

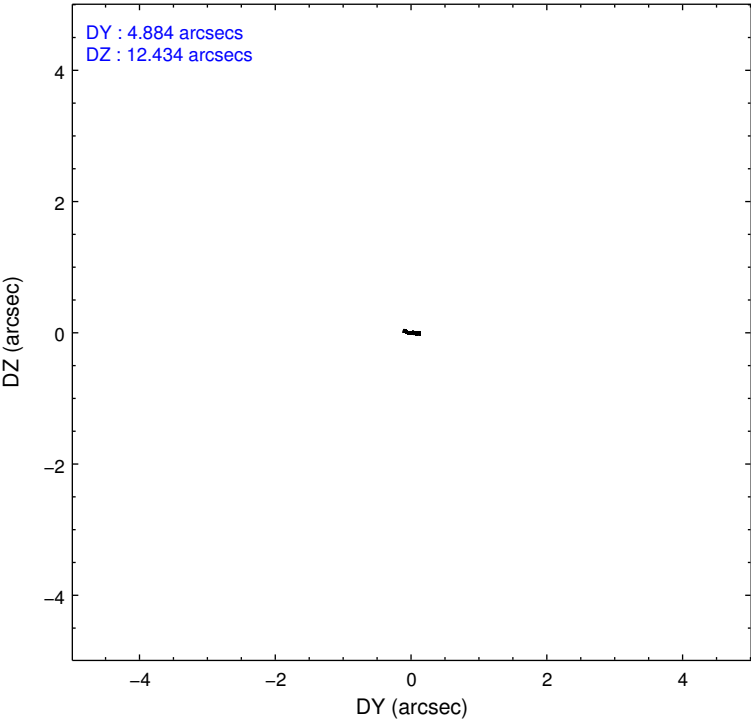
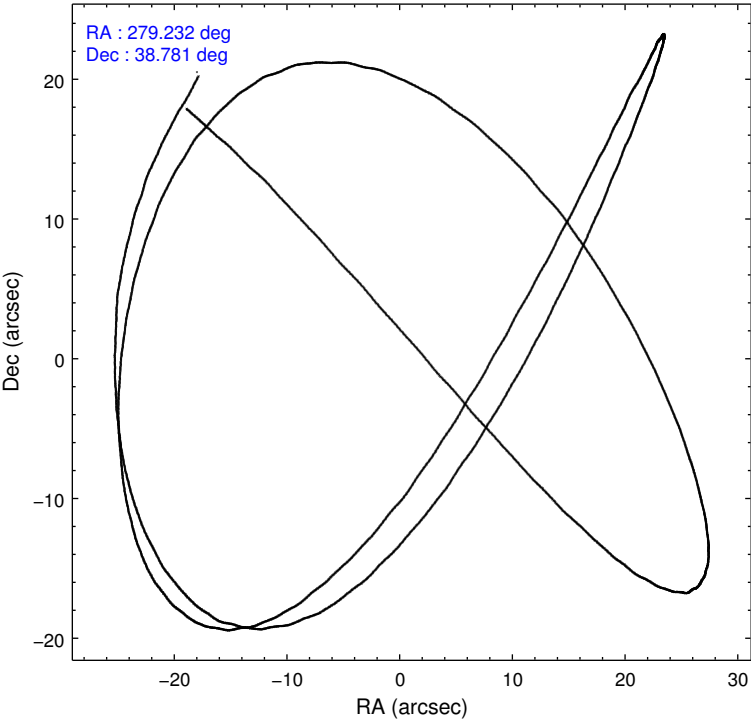
	segment 1	segment 2	segment 3
level 1 events	1003	176674	966
rejected events	1003	10865	966
rejected %	100%	6%	100%

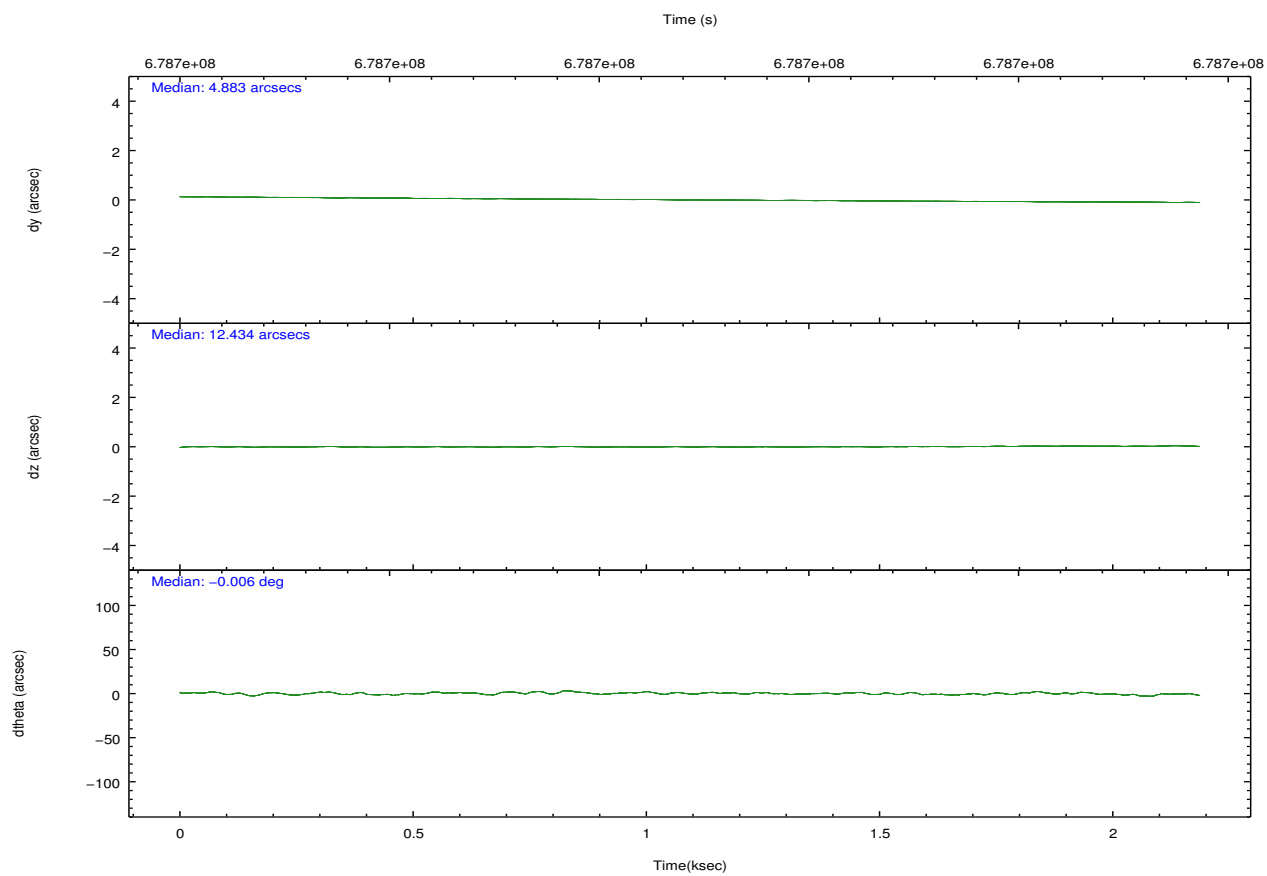
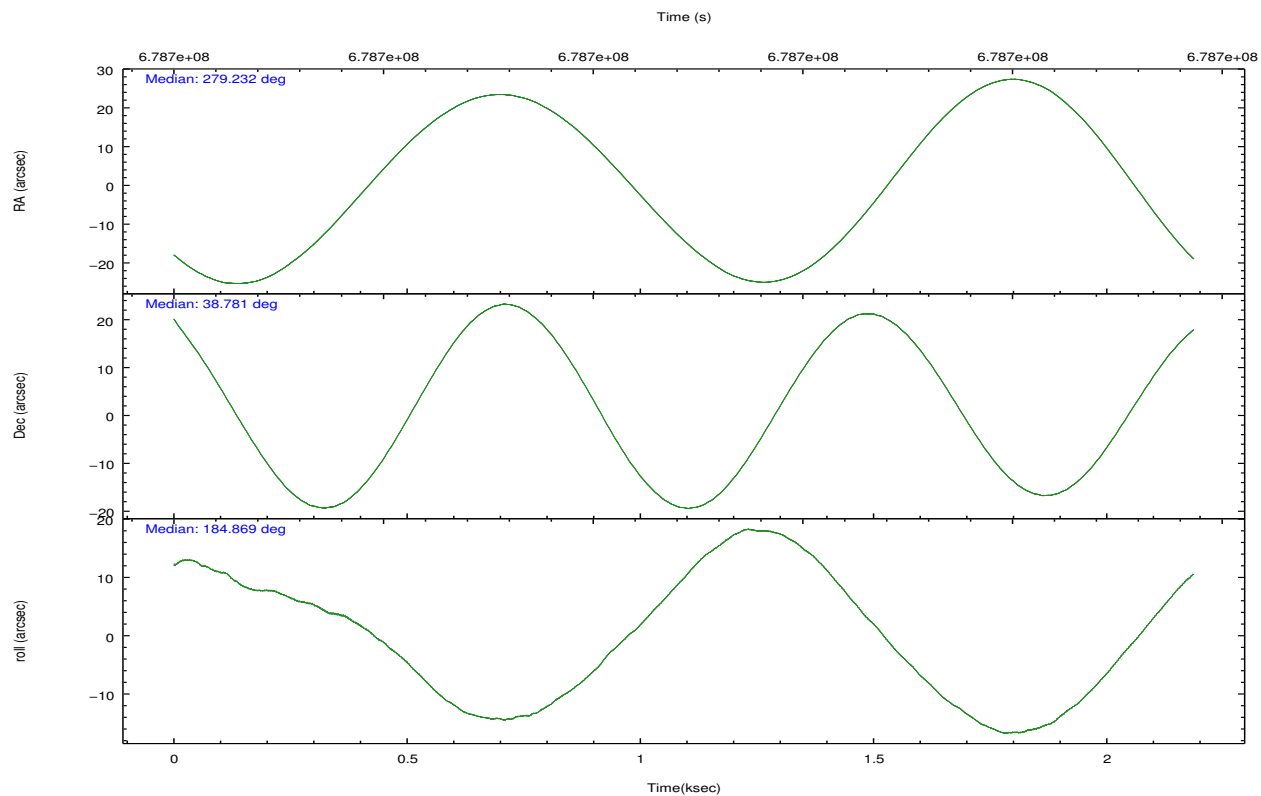
2.2 Compared Parameters

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	279.261321	279.2319851302015
[deg] Pointing Dec	38.798679	38.78072566685719
[deg] Pointing Roll	184.786645	184.8723521951786
[s] Window start time (MET)	675734469.184000	675734469.184000
[s] Window stop time (MET)	680918469.184000	680918469.184000
[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)	678696308.184000	678695929.19522
Observation start date	2019-07-05T06:43:59	2019-07-05T06:38:49
[s] Observation end time (MET)	678698308.184000	678698441.98287
Observation end date	2019-07-05T07:17:19	2019-07-05T07:20:41

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

2.3 Aspect



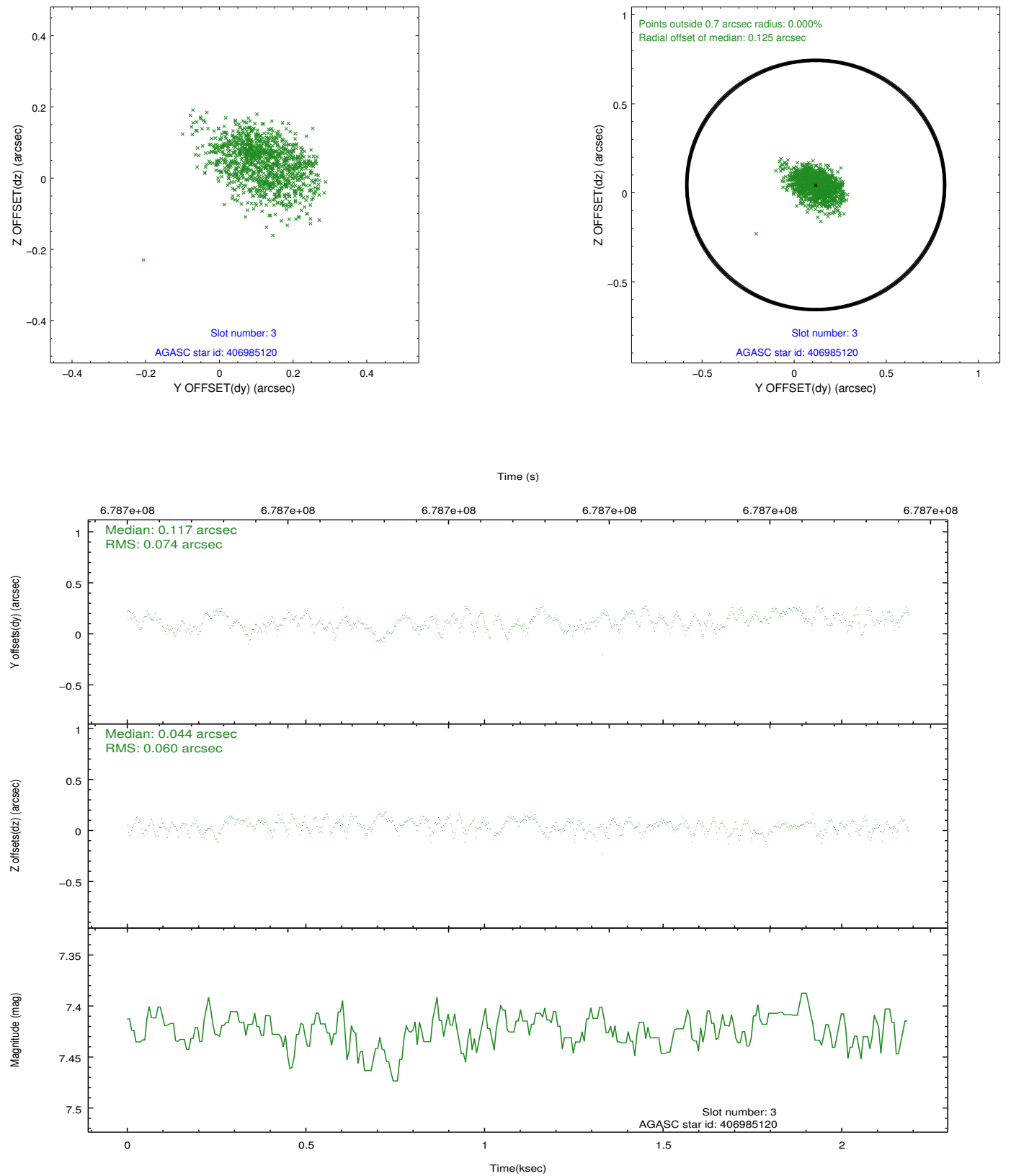


Slot Statistics

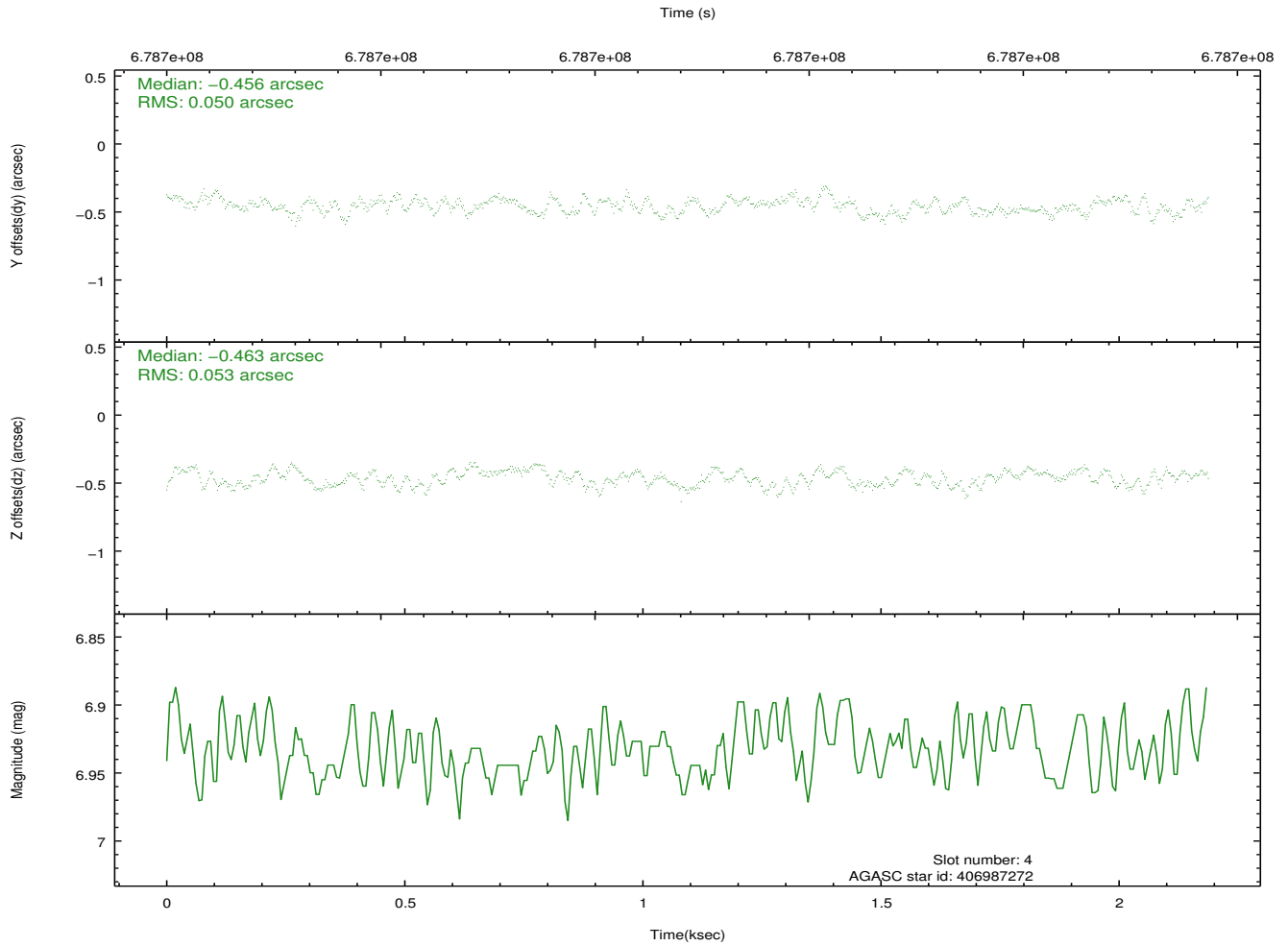
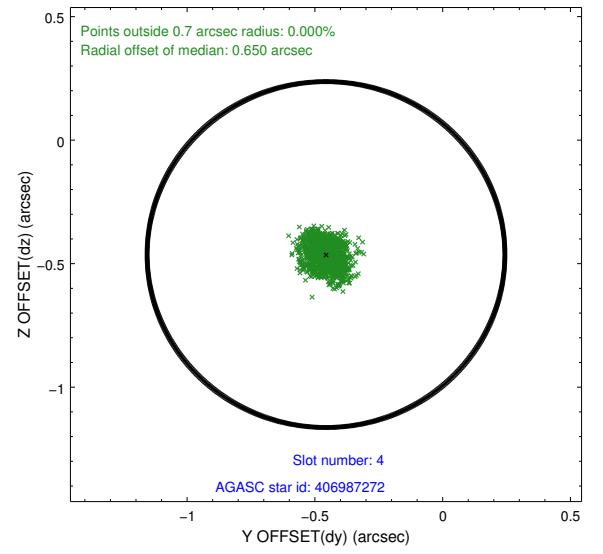
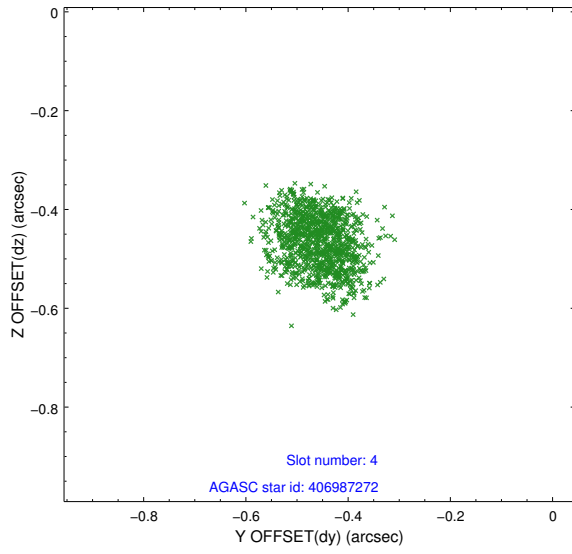
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.03	534	1.000	-0.086	-0.178	0.006	0.011	0.000000	0.000000	-1159.15	-461
1	FID		HRC-S-3	7.02	534	1.000	-0.040	-0.112	0.008	0.012	0.000000	0.000000	-1164.04	567
2	FID		HRC-S-4	6.98	534	1.000	0.514	-0.007	0.005	0.009	0.000000	0.000000	1237.47	572
3	GUIDE	used	406985120	7.42	1065	1.000	0.117	0.044	0.101	0.159	278.839732	38.894839	1148.56	-447
4	GUIDE	used	406987272	6.93	1068	1.000	-0.456	-0.463	0.079	0.120	278.536588	38.437504	2145.60	1114
5	GUIDE	used	406989616	8.22	1068	1.000	-0.301	-0.278	0.102	0.169	279.202881	38.520843	249.54	982
6	GUIDE	used	407513096	8.11	1068	1.000	0.313	0.443	0.084	0.141	279.928965	39.436841	-2041.23	-2140
7	GUIDE	used	407521232	8.61	1065	1.000	0.325	0.255	0.134	0.210	279.628883	39.431715	-1210.03	-2190

2.4 Star Slots

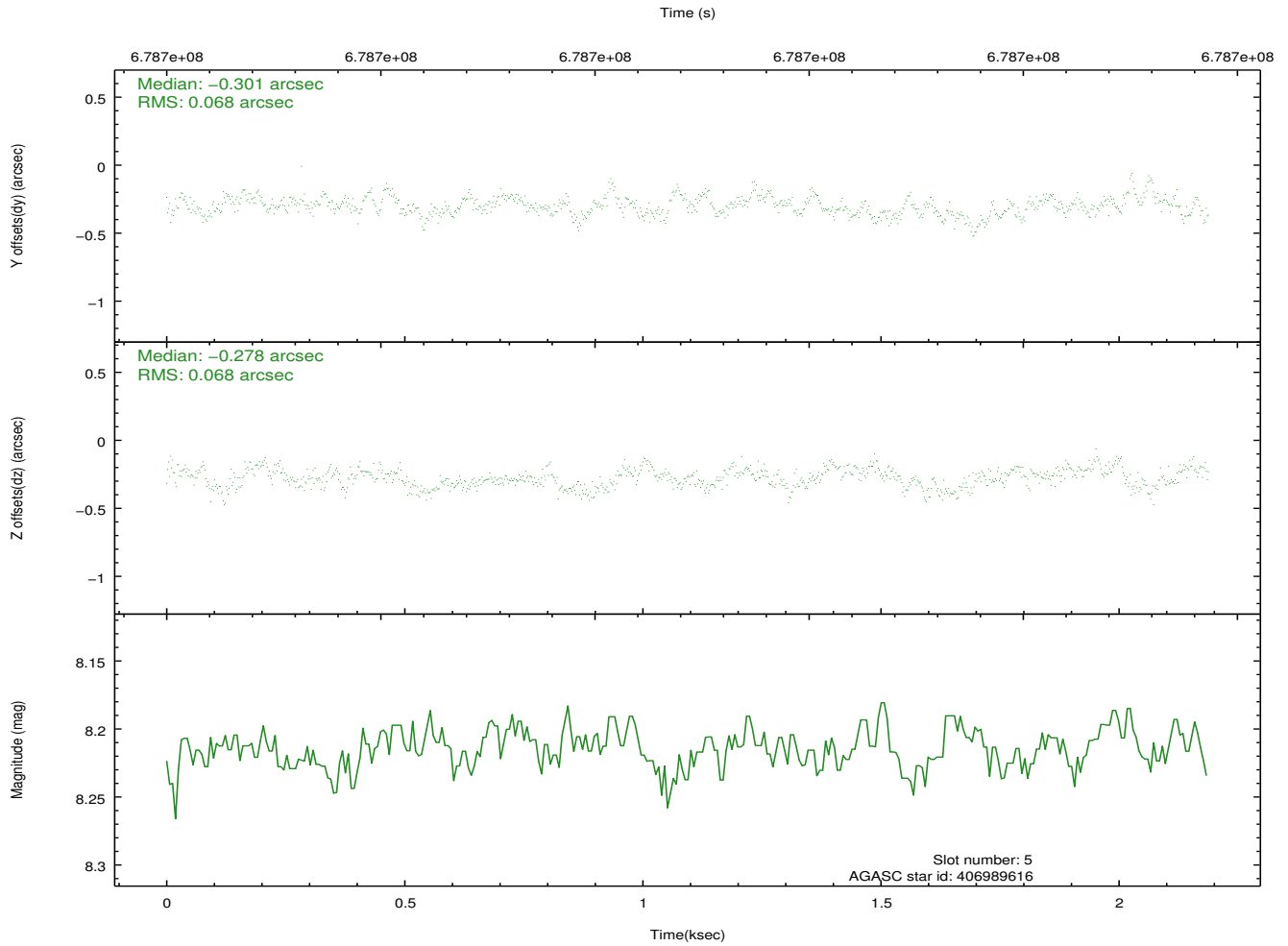
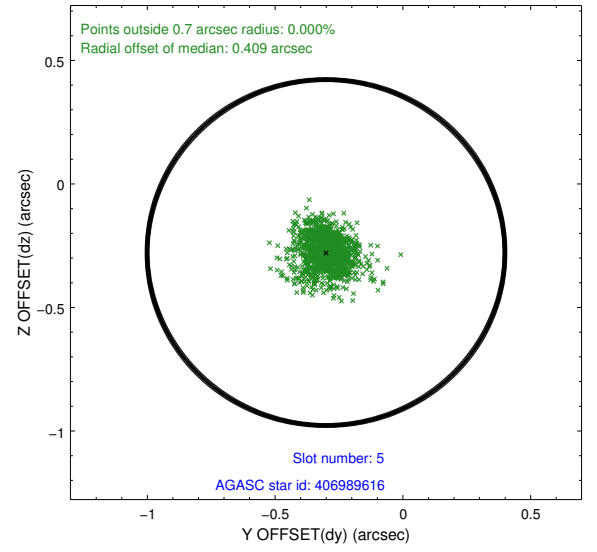
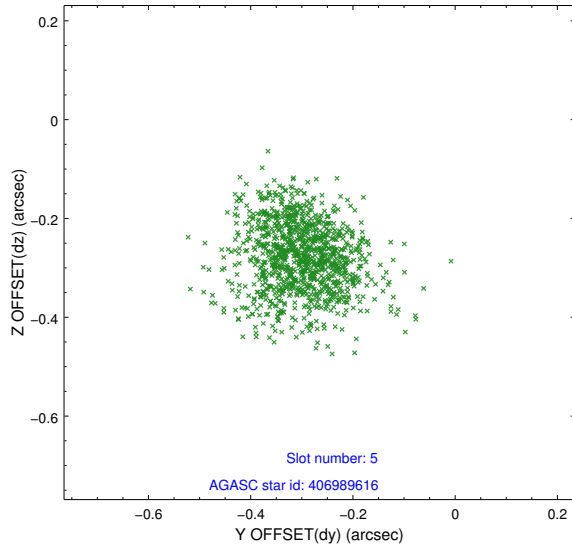
2.4.1 Slot 3



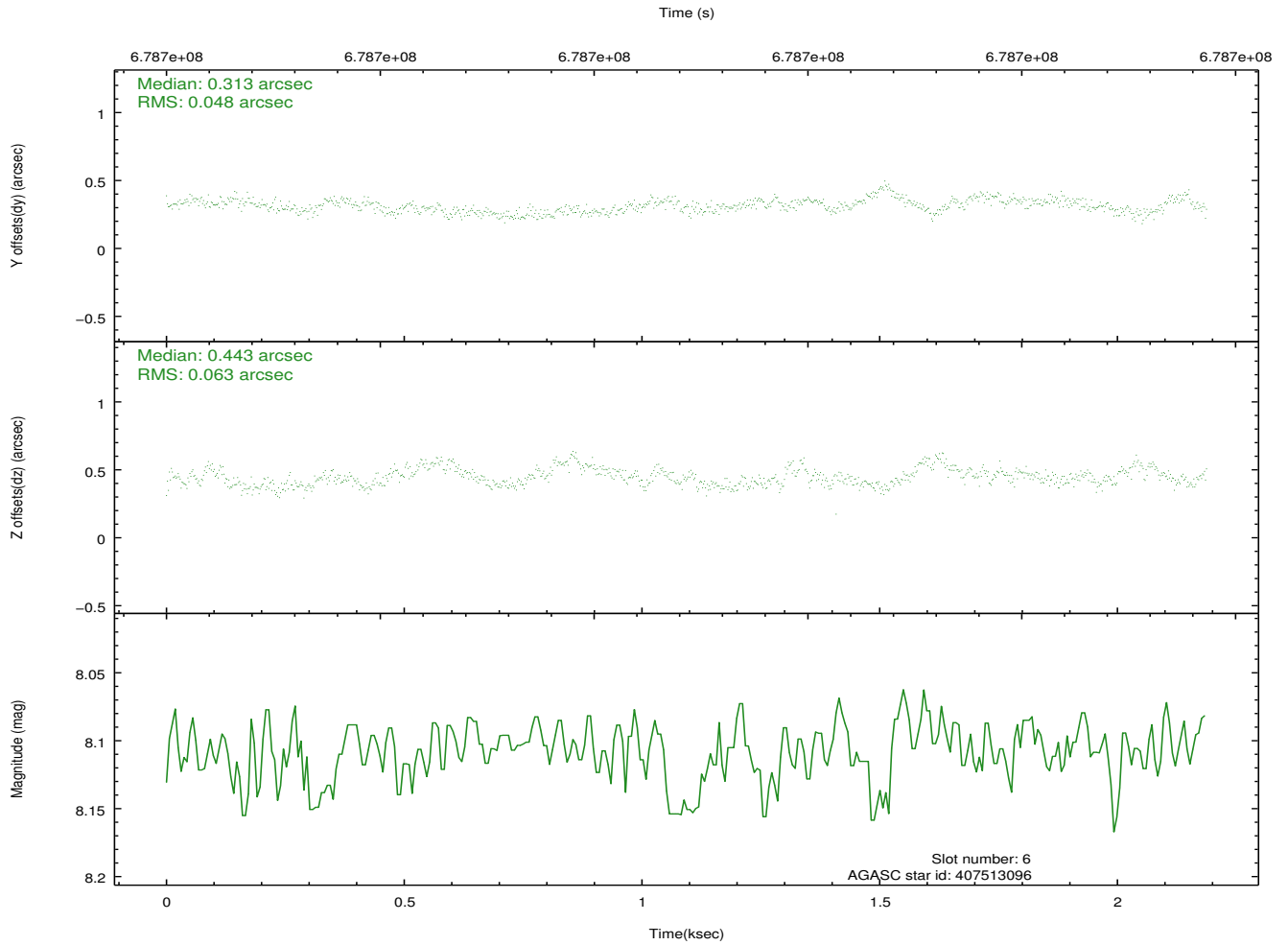
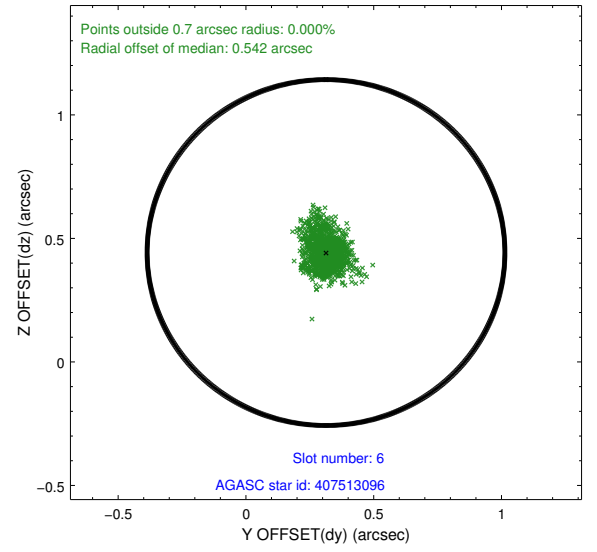
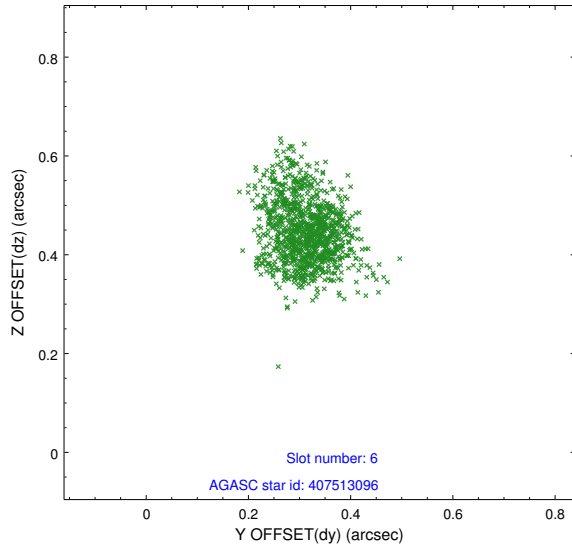
2.4.2 Slot 4



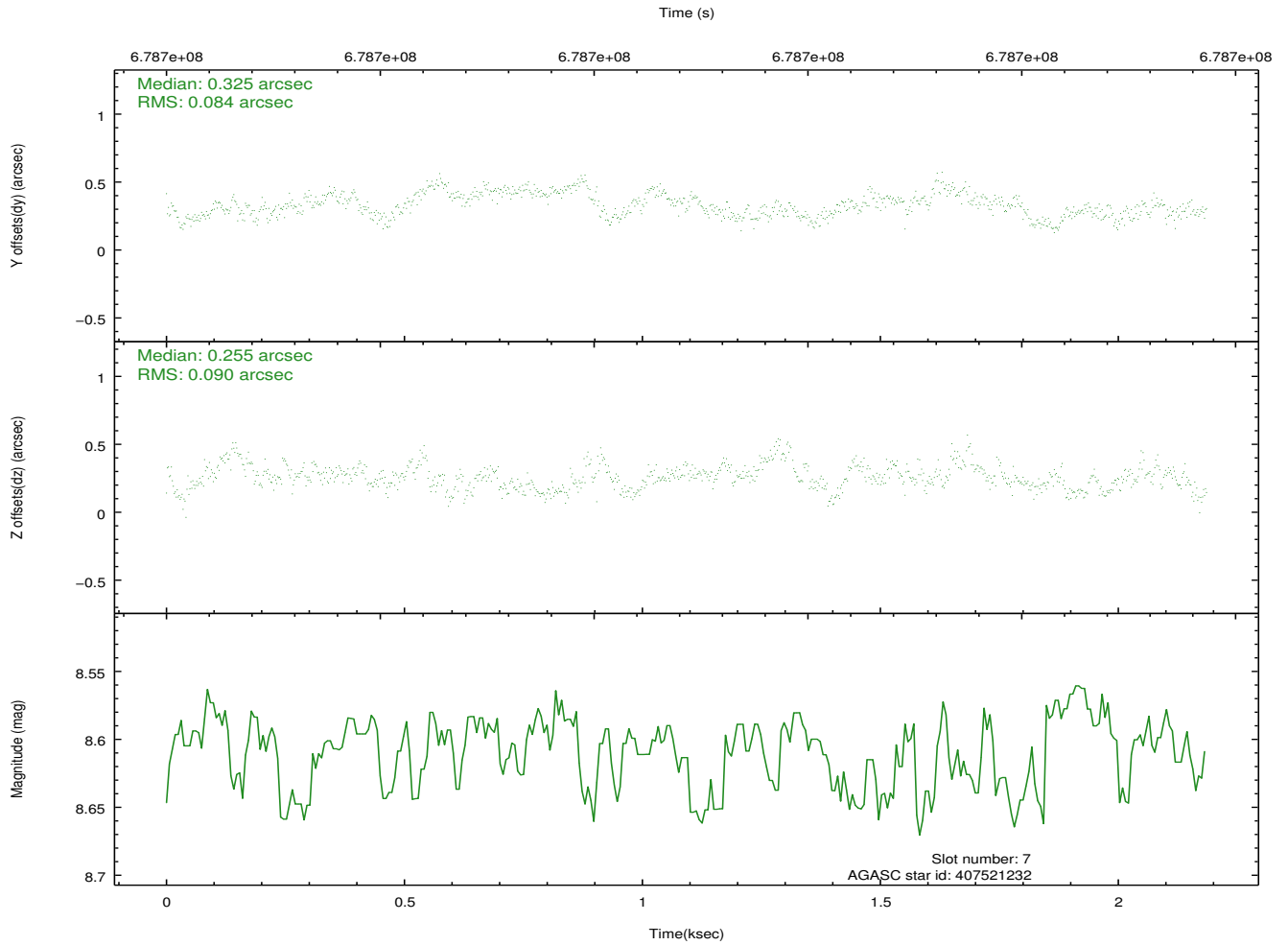
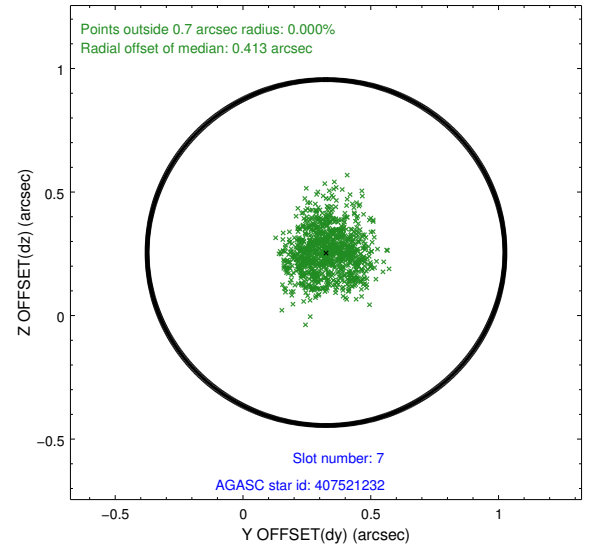
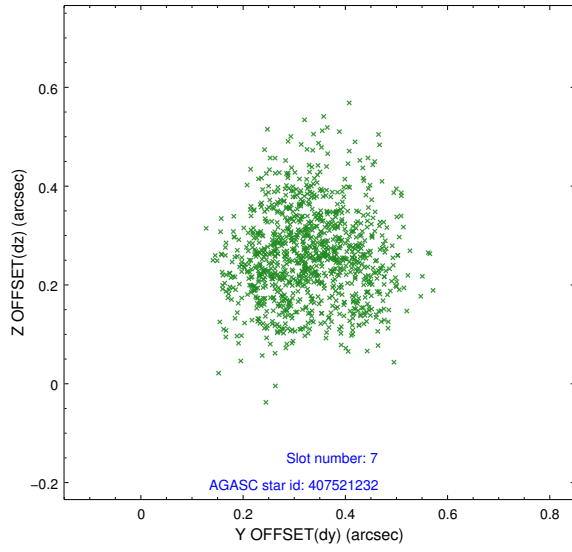
2.4.3 Slot 5



2.4.4 Slot 6

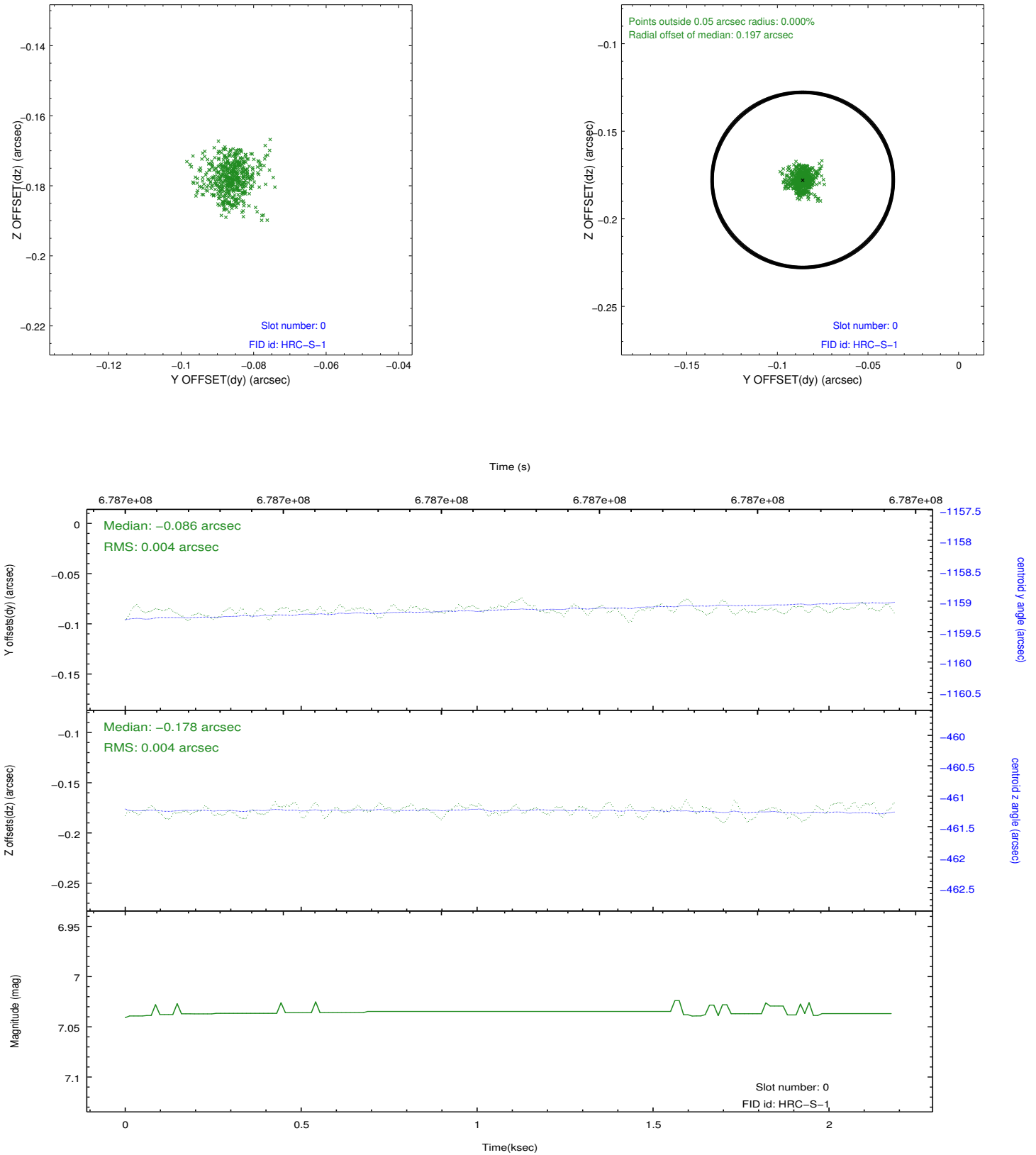


2.4.5 Slot 7

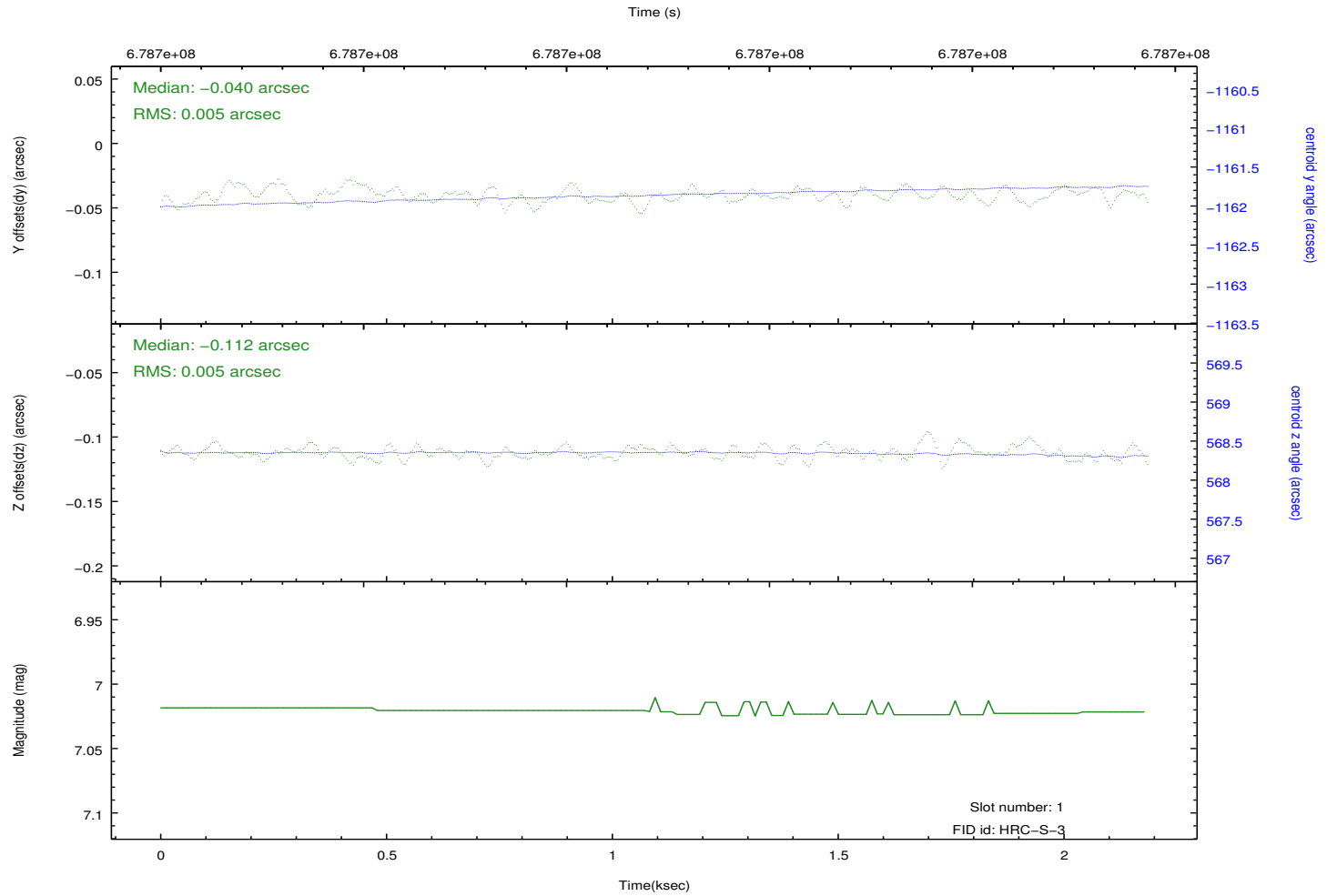
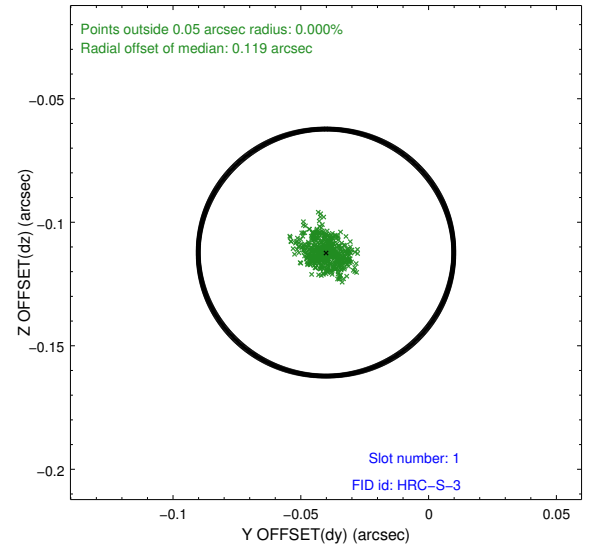
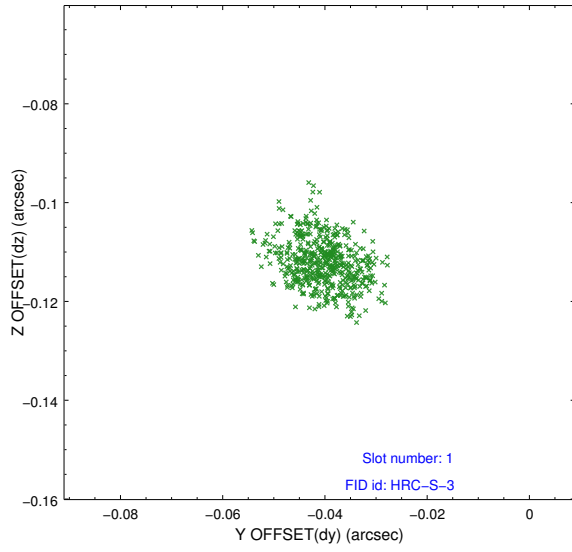


2.5 FID Slots

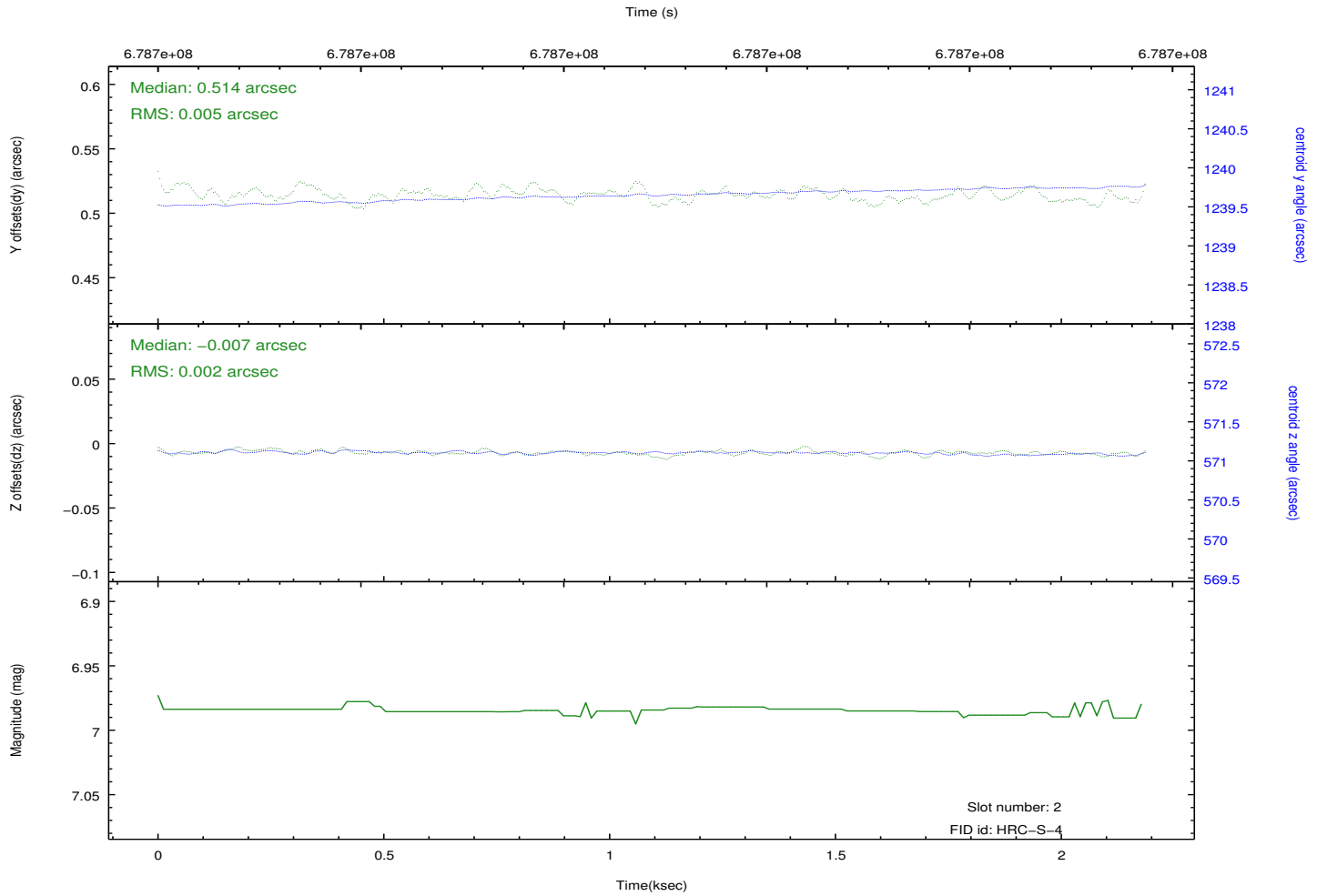
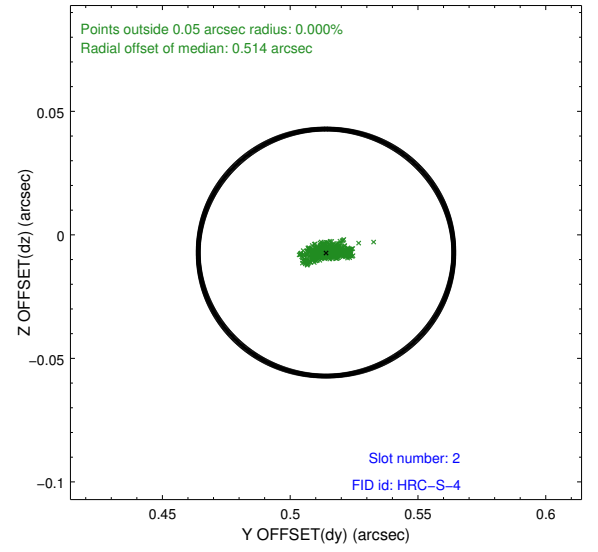
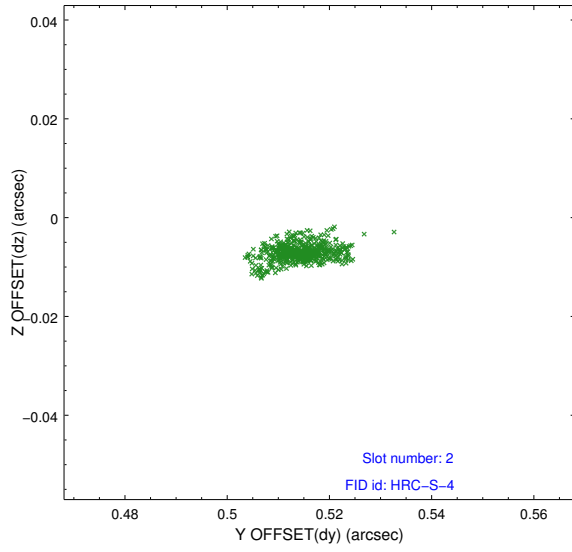
2.5.1 Slot 0



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)	2019.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.179406381011

A.2 Comments

Window preference met.