

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21736 - L2 Version 1
Chandra X-Ray Center

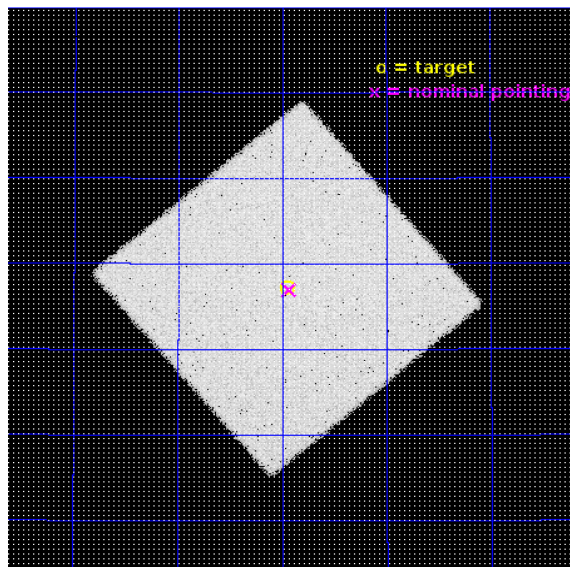
L2 Processing Date : Jul 5 2019

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1 Front

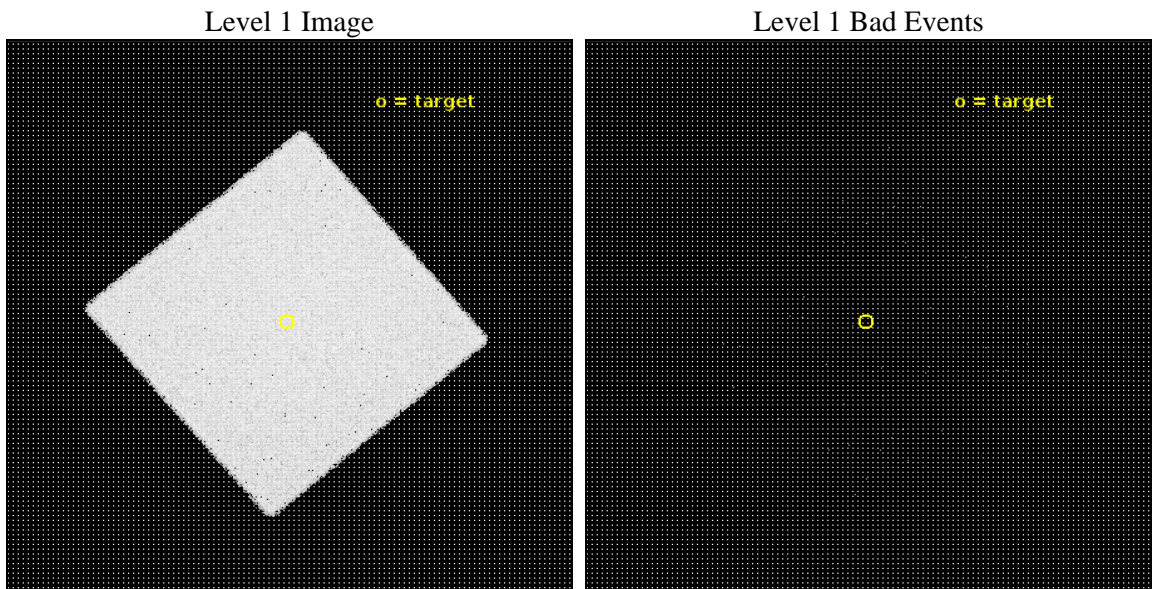
seq_num	291422	Sequence number
obs_id	21736	Observation id
title	AO-20 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.236347	Observer's specified target RA [deg]
dec_targ	38.785478	Observer's specified target Dec [deg]
ra_nom	279.23265864156	Nominal RA [deg]
dec_nom	38.782523648689	Nominal Dec [deg]
roll_nom	184.6773729614	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2170.9501303434	[s]
liveltime	2140.261954834	Ontime multiplied by DTCOR
l2events	266621	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	2170.9501303434	[s]
caldsver	4.8.3.1	 	l1events	464789	Number of level 1 events
date	2019-07-05T13:22:58	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

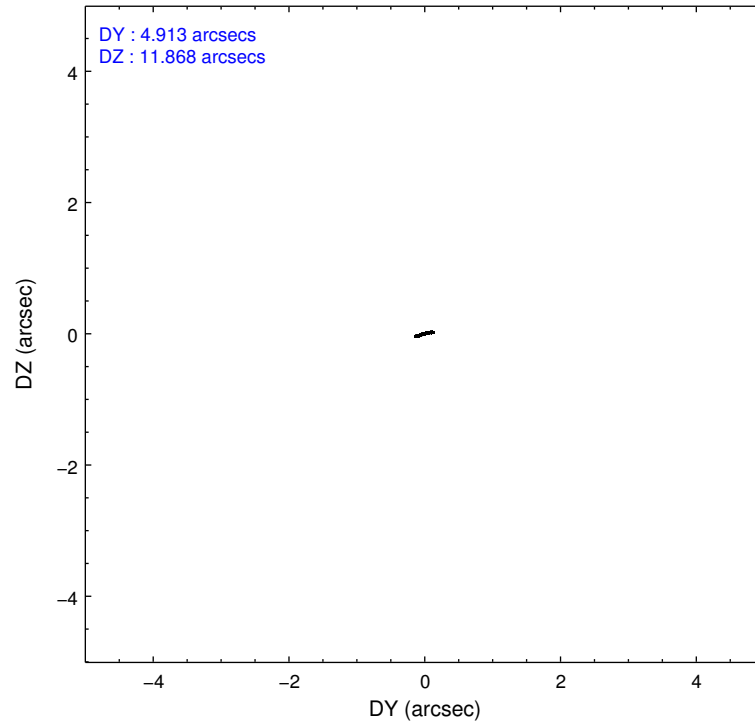
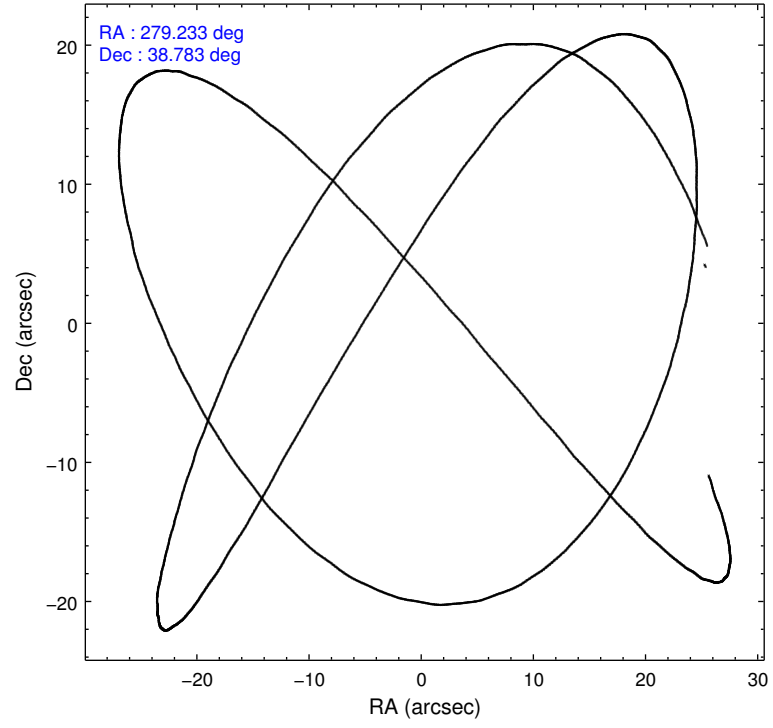
Level 1 Events

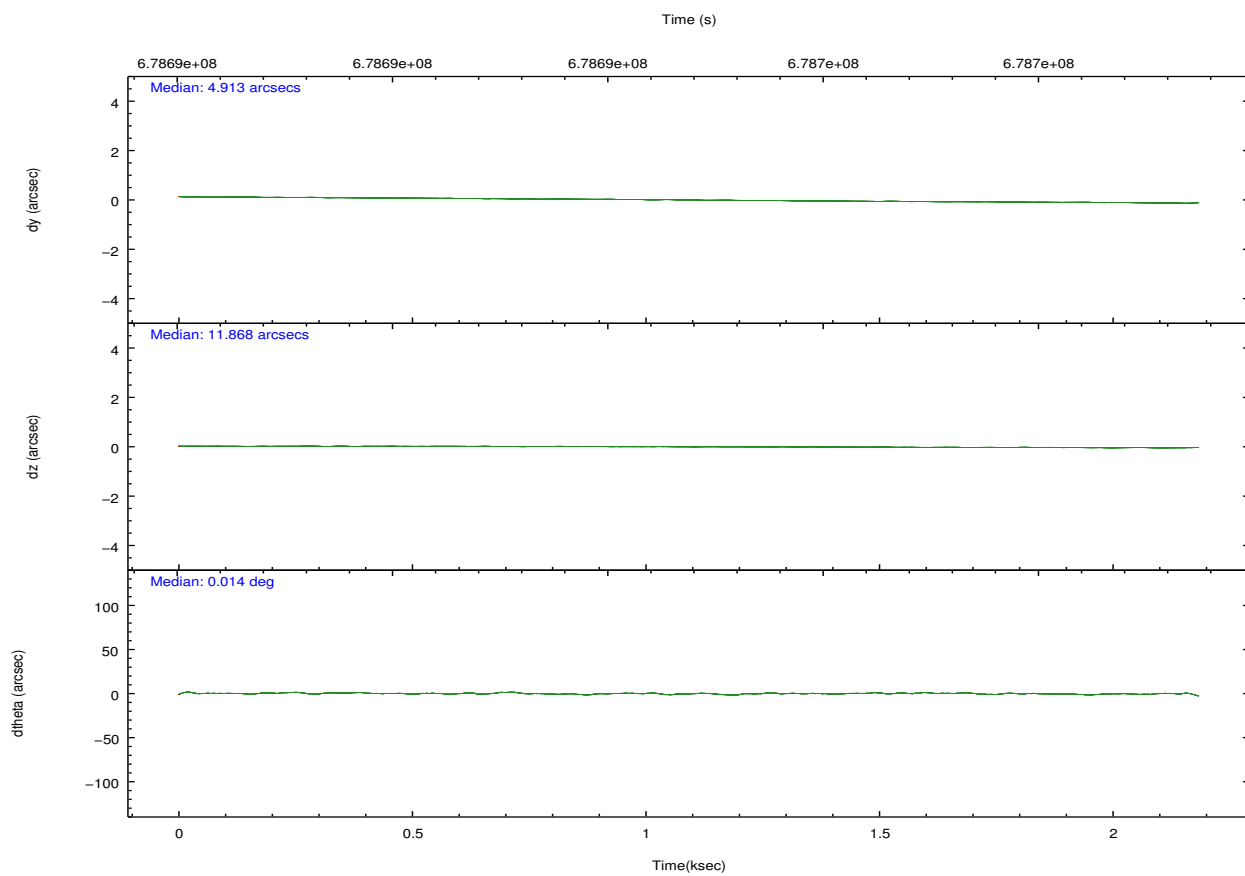
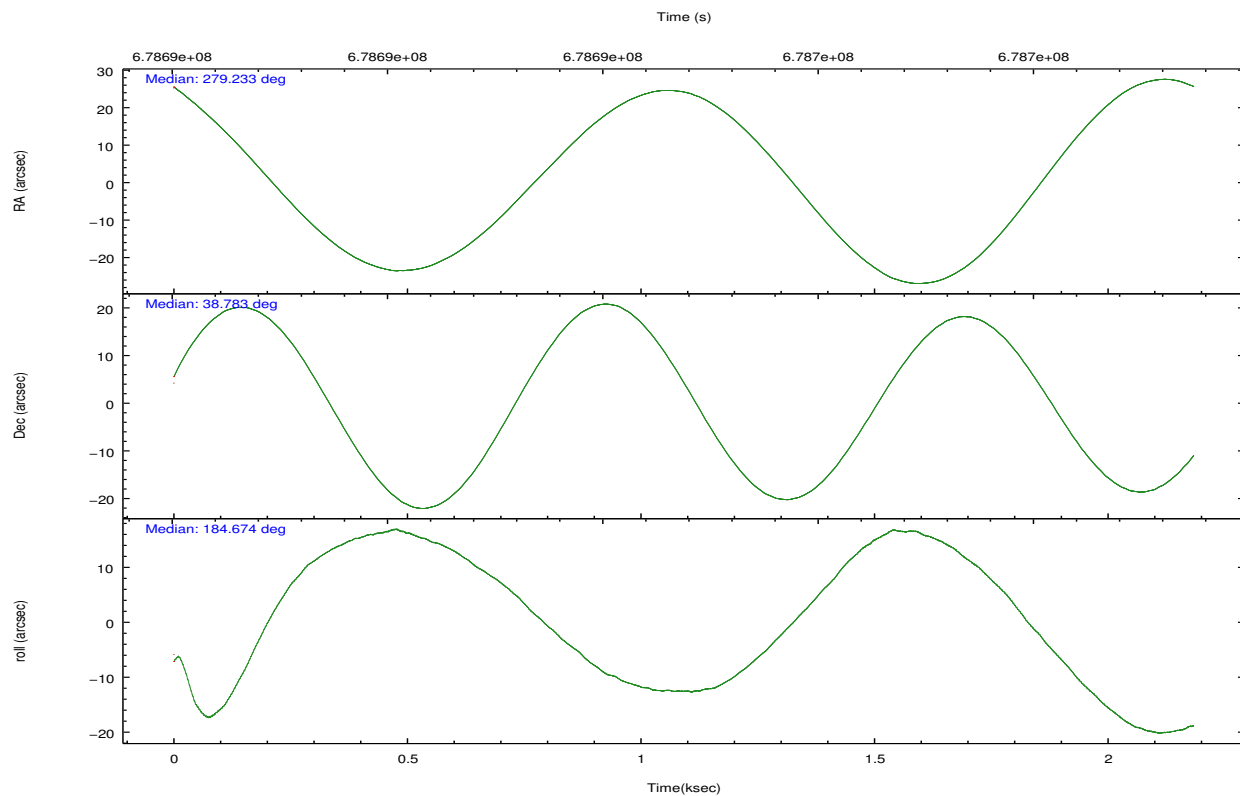
	segment 0
level 1 events	464789
rejected events	114447
rejected %	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.260972	279.2326586415619			
[deg] Pointing Dec	38.798560	38.78252364868908			
[deg] Pointing Roll	184.755027	184.6773729614019			
[s] Window start time (MET)	675734469.184000	675734469.184000			
[s] Window stop time (MET)	680918469.184000	680918469.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	678693791.184000	678692908.00754			
Observation start date	2019-07-05T06:02:02	2019-07-05T05:48:28			
[s] Observation end time (MET)	678695791.184000	678695929.19522			
Observation end date	2019-07-05T06:35:22	2019-07-05T06:38:49			

2.3 Aspect



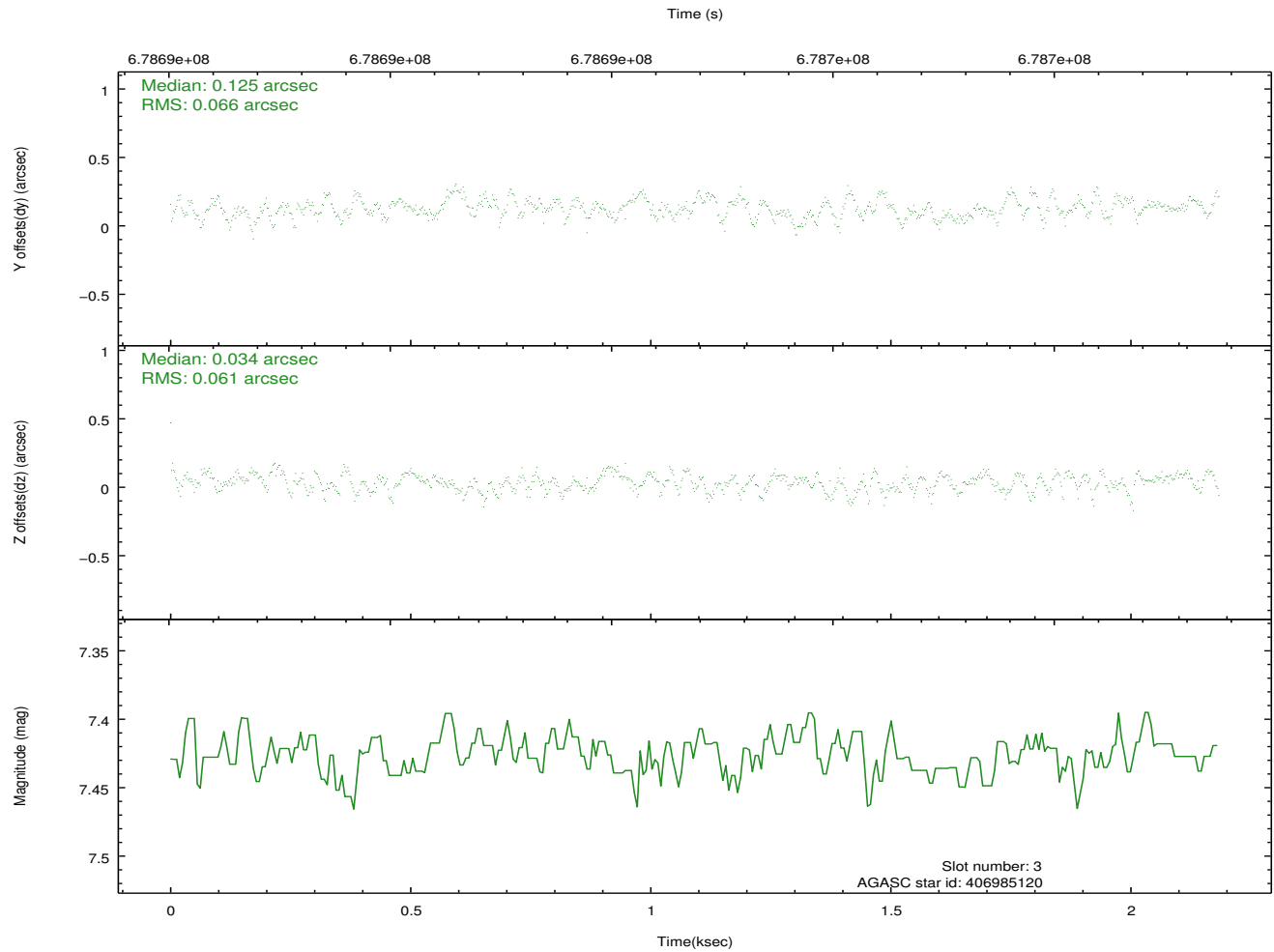
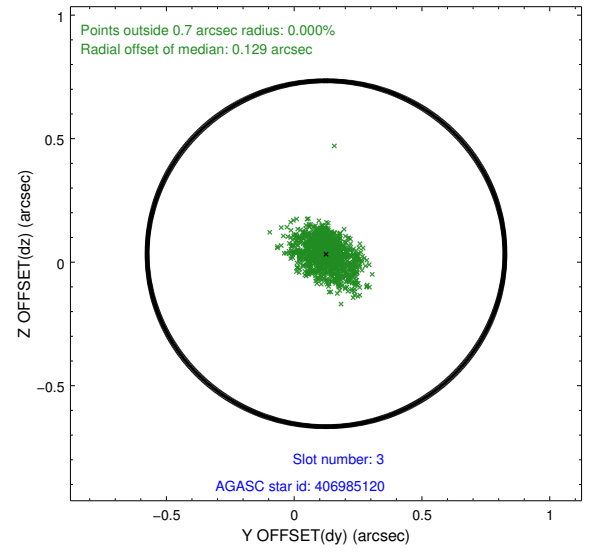
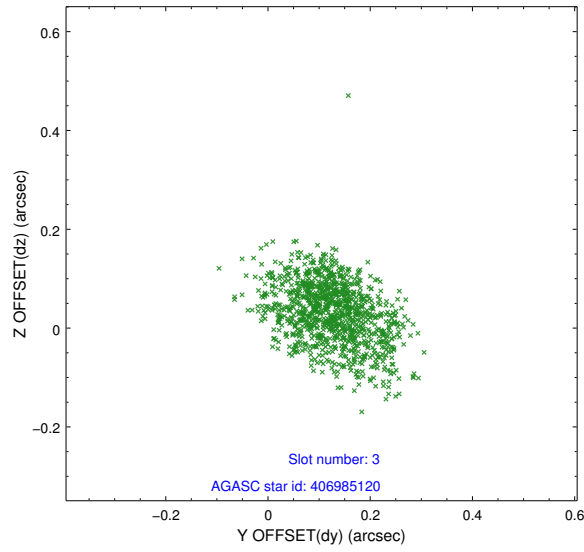


Slot Statistics

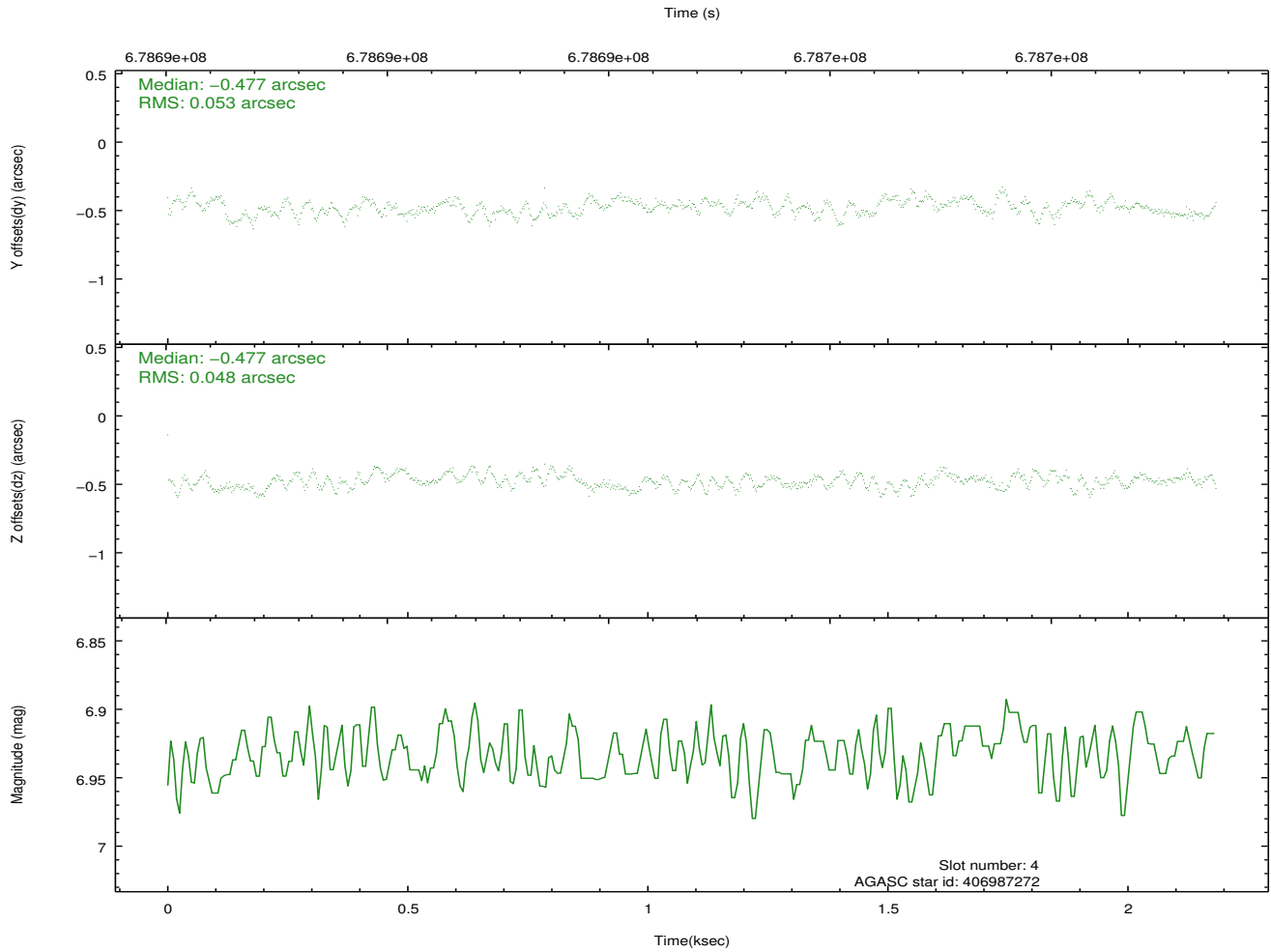
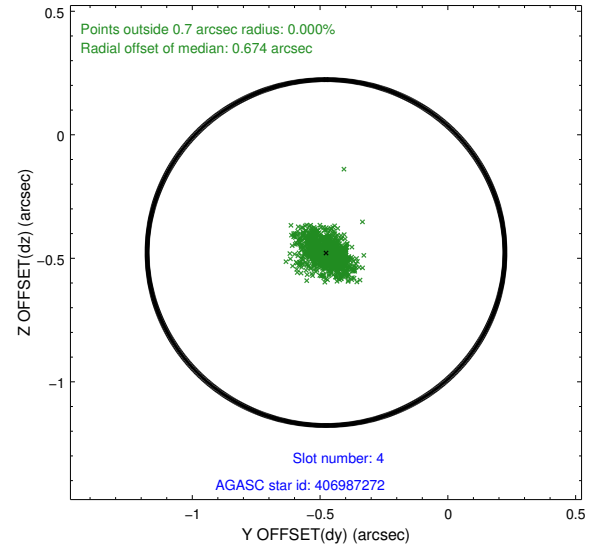
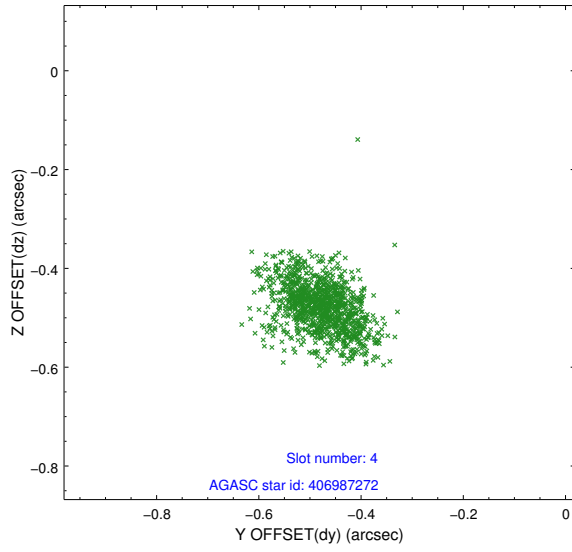
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	533	1.000	-0.241	-0.160	0.005	0.009	0.000000	0.000000	-760.82	-1299
1	FID		HRC-I-2	7.02	532	1.000	0.189	-0.130	0.006	0.010	0.000000	0.000000	850.82	-1304
2	FID		HRC-I-4	7.02	533	1.000	0.169	0.197	0.005	0.010	0.000000	0.000000	1284.22	999
3	GUIDE	used	406985120	7.43	1066	1.000	0.125	0.034	0.096	0.153	278.839732	38.894839	1147.99	-445
4	GUIDE	used	406987272	6.93	1066	1.000	-0.477	-0.477	0.076	0.124	278.536588	38.437504	2144.19	1116
5	GUIDE	used	406989616	8.22	1066	1.000	-0.311	-0.295	0.111	0.174	279.202881	38.520843	248.20	983
6	GUIDE	used	407513096	8.10	1066	1.000	0.342	0.447	0.081	0.139	279.928965	39.436841	-2040.85	-2141
7	GUIDE	used	407521232	8.61	1062	1.000	0.329	0.289	0.111	0.176	279.628883	39.431715	-1209.70	-2190

2.4 Star Slots

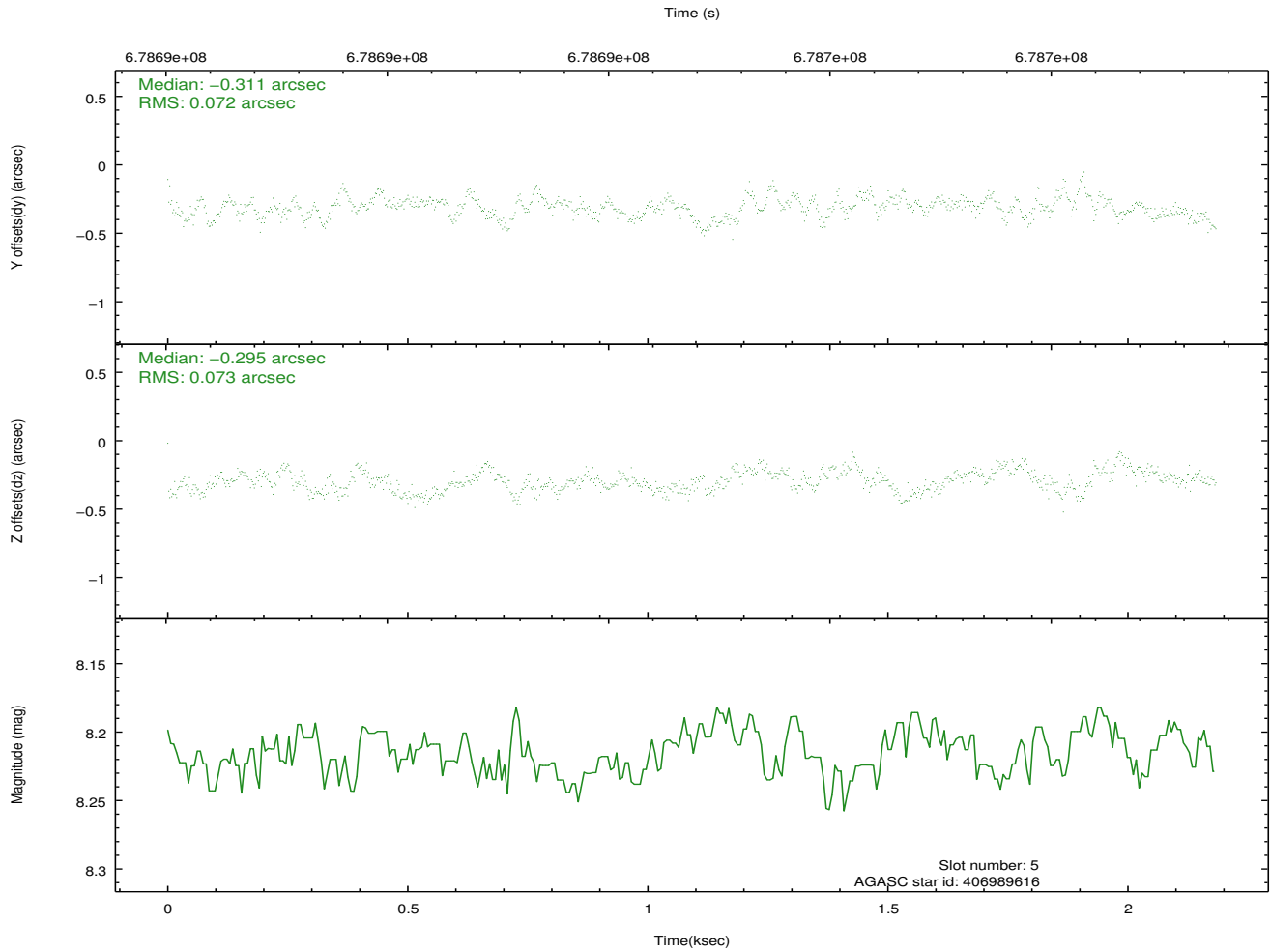
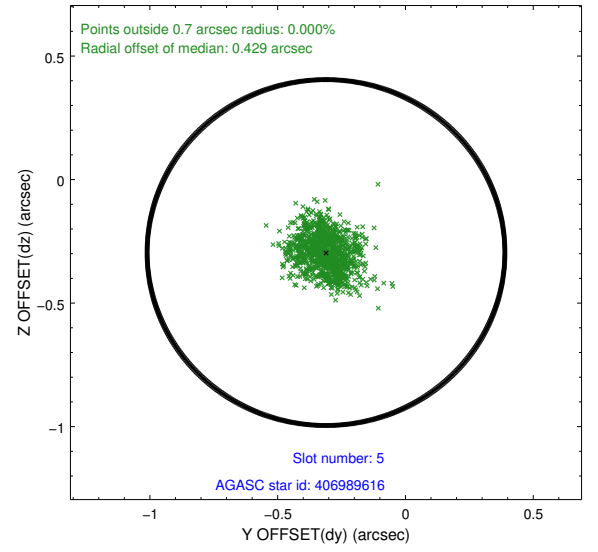
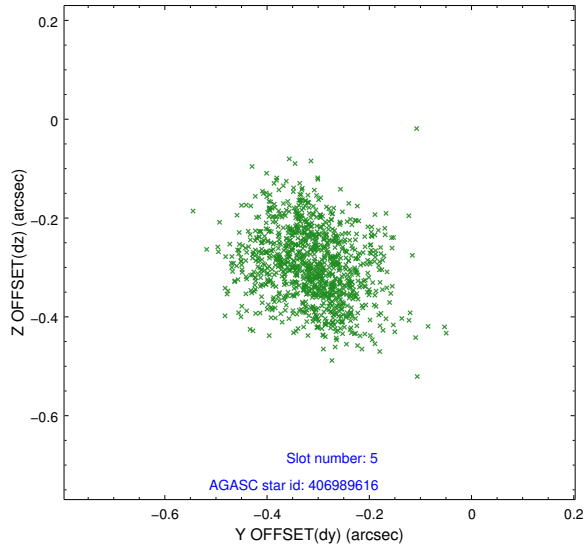
2.4.1 Slot 3



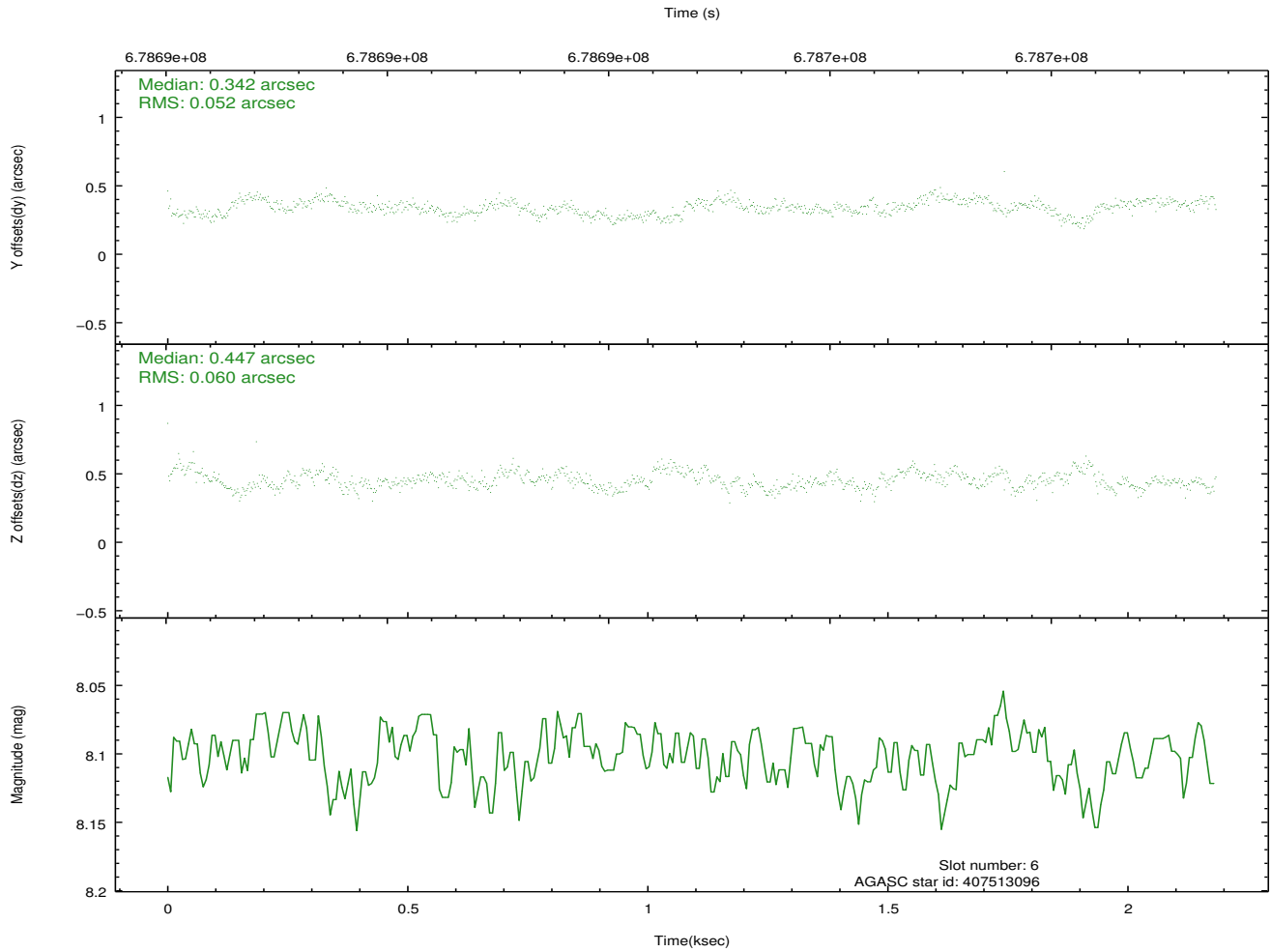
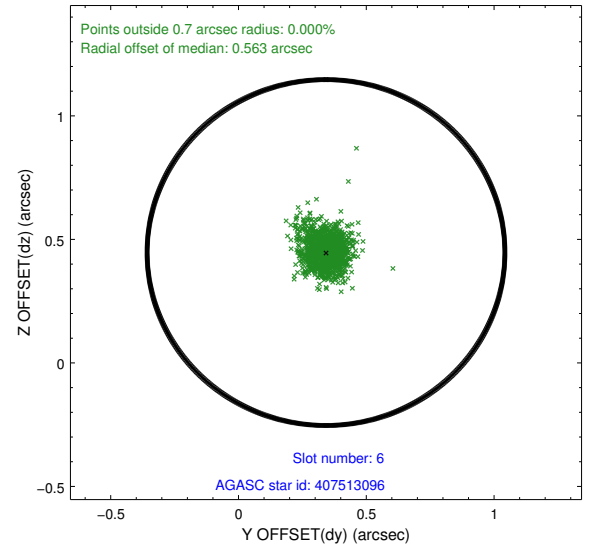
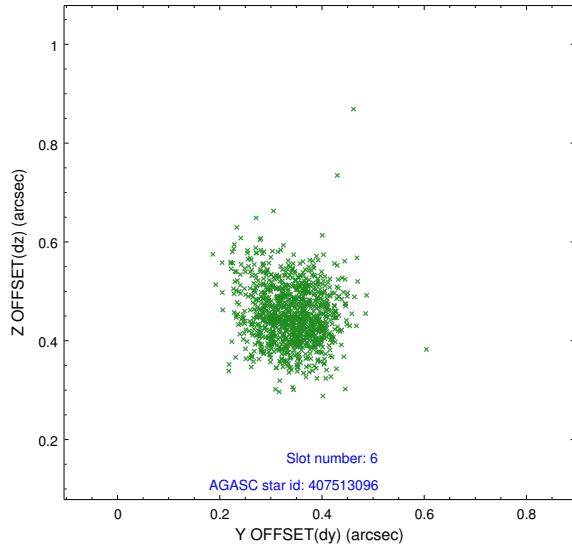
2.4.2 Slot 4



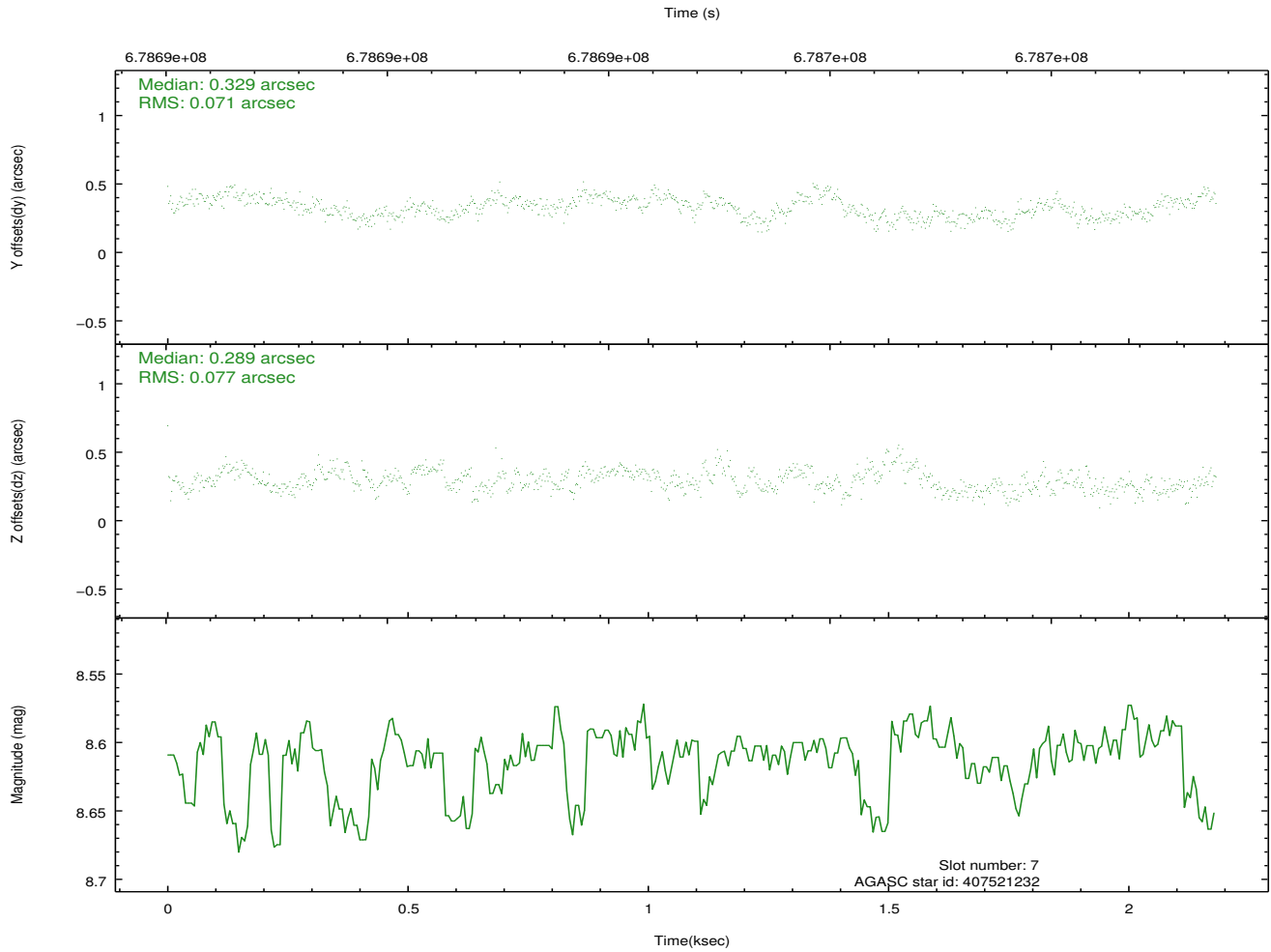
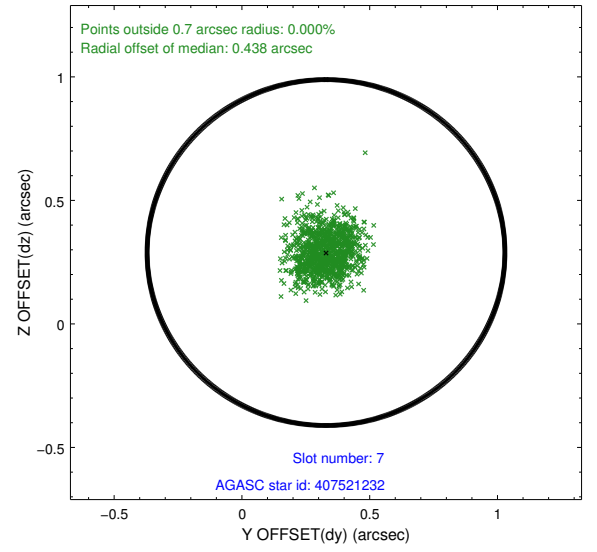
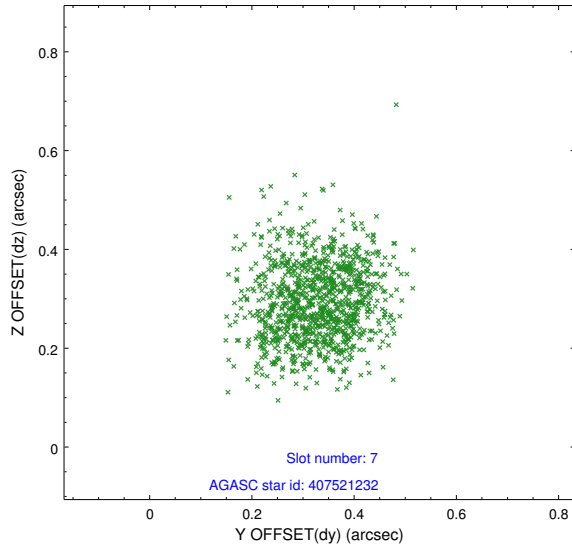
2.4.3 Slot 5



2.4.4 Slot 6

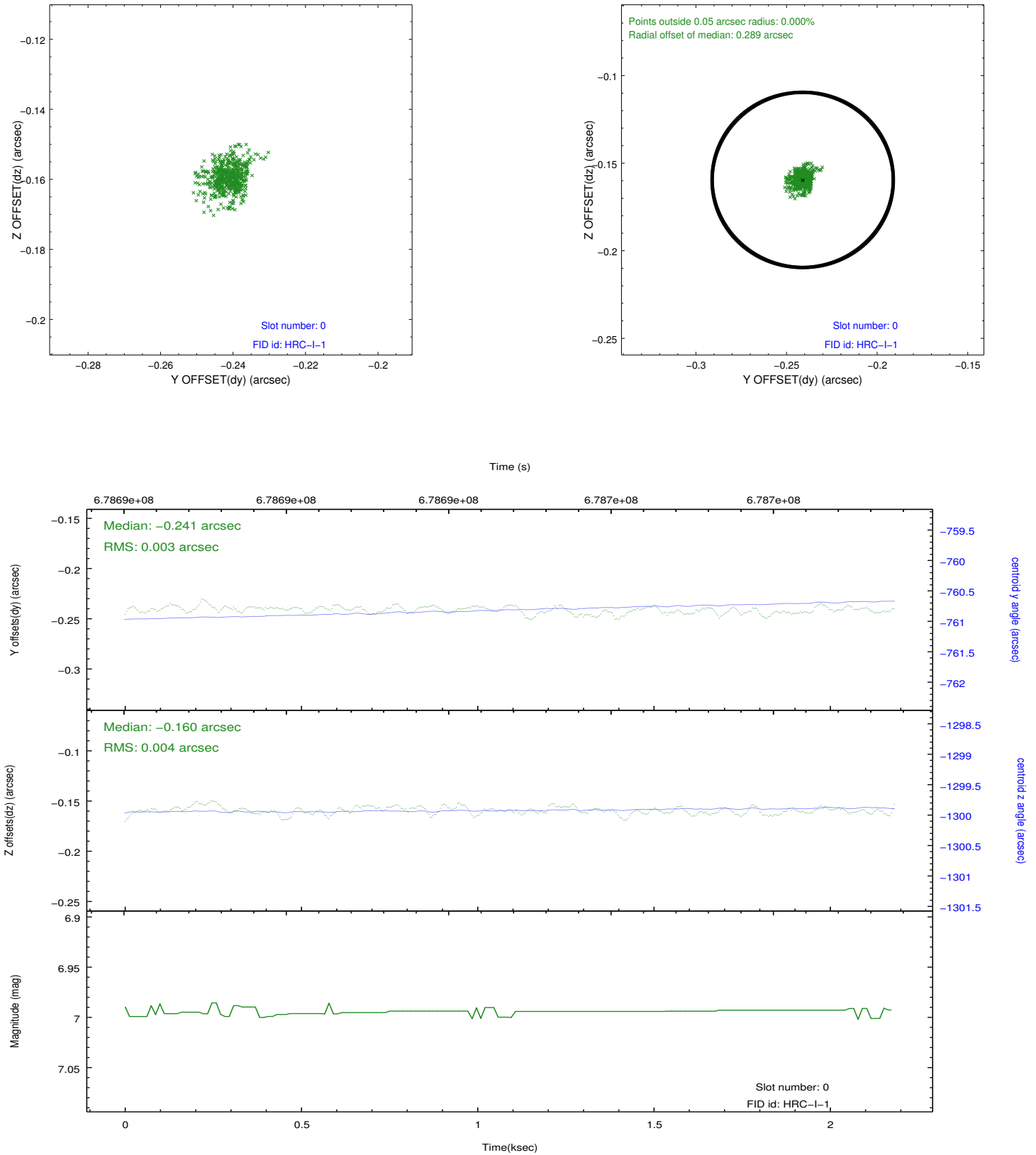


2.4.5 Slot 7

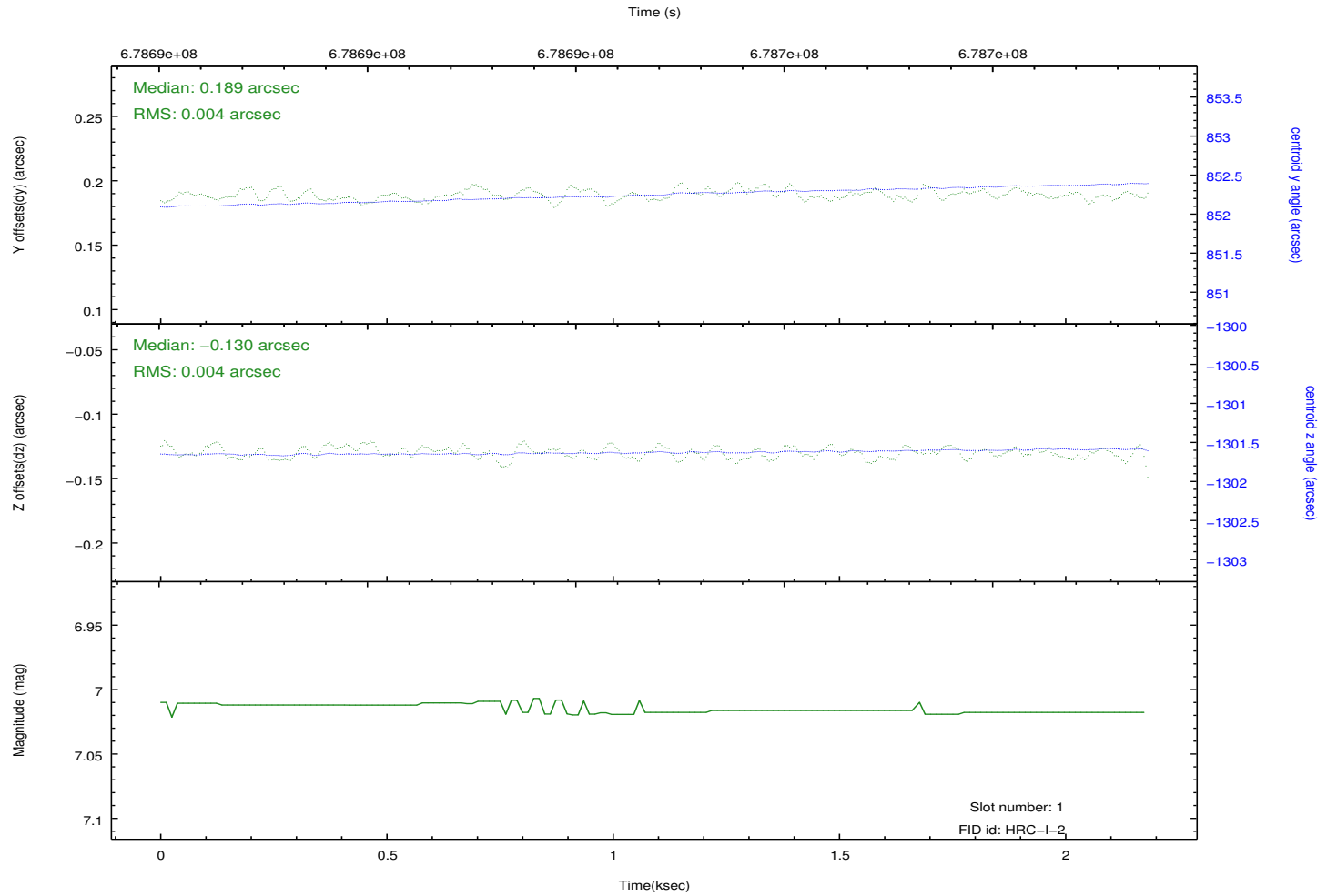
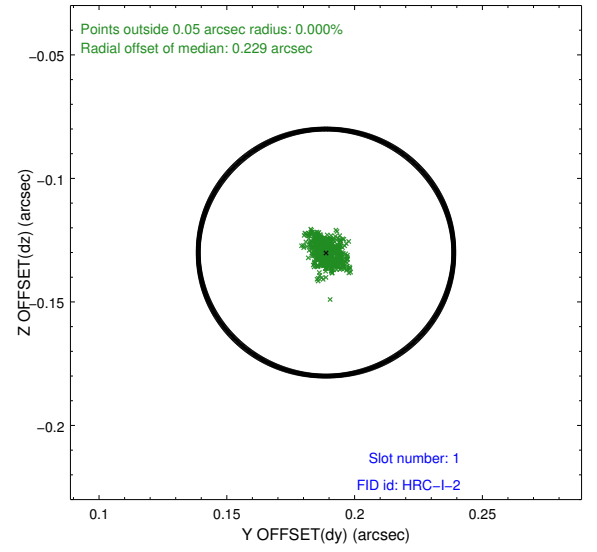
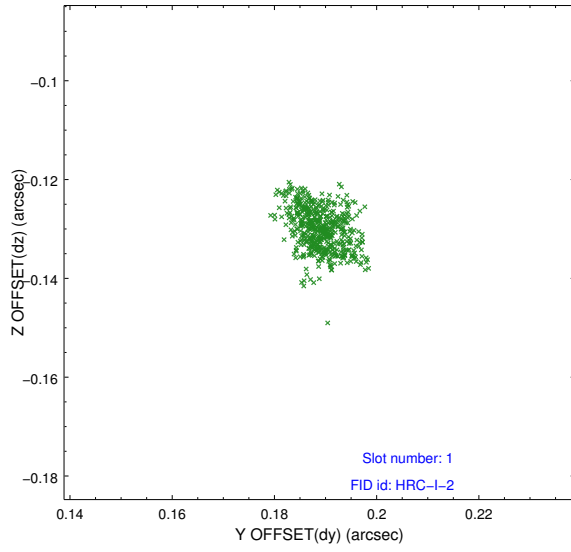


2.5 FID Slots

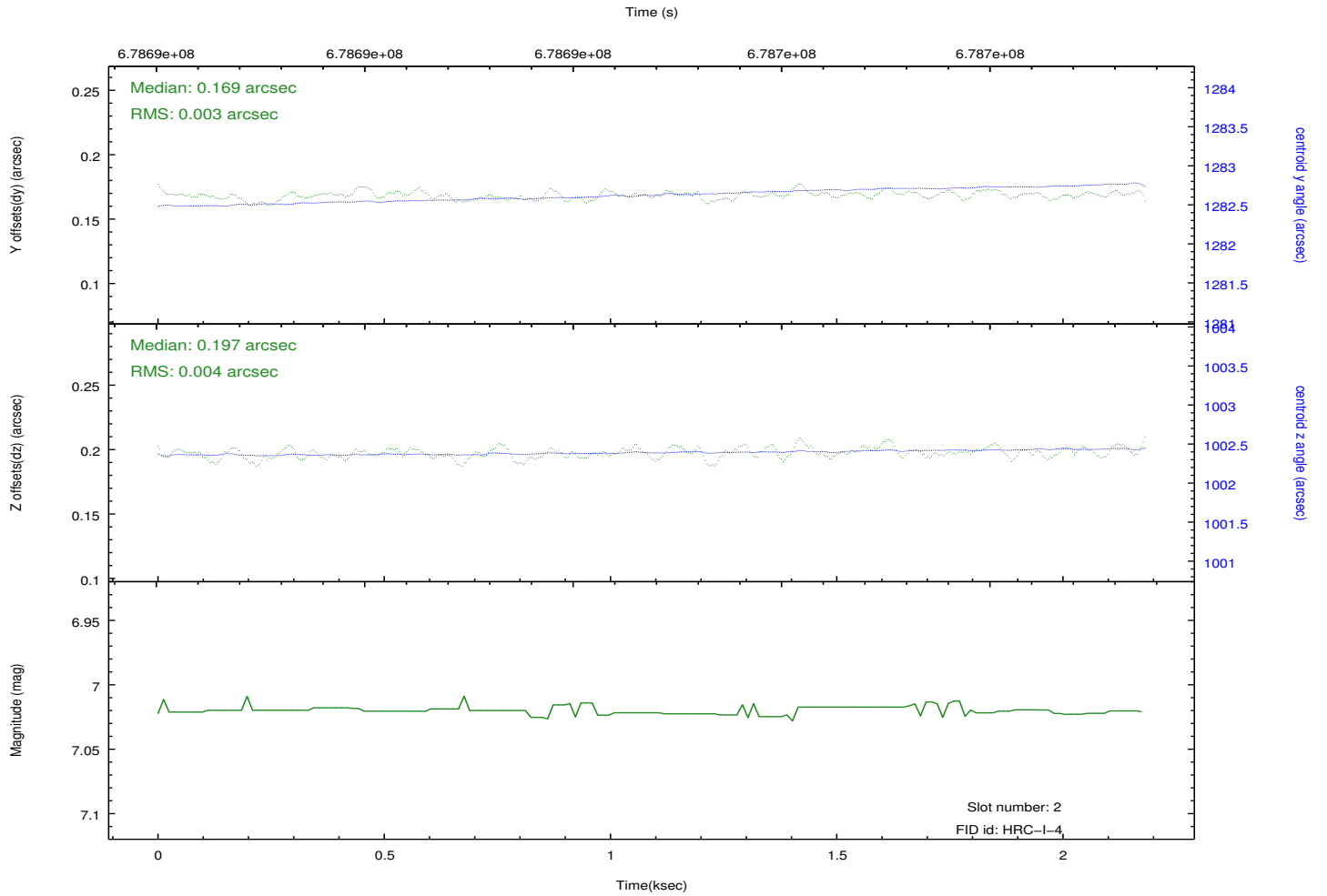
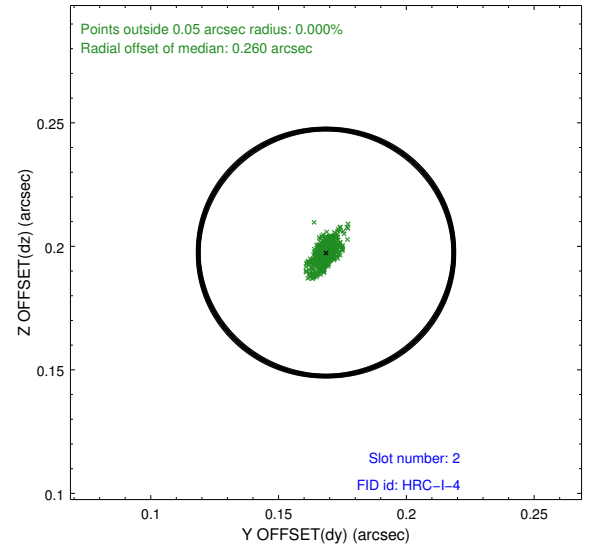
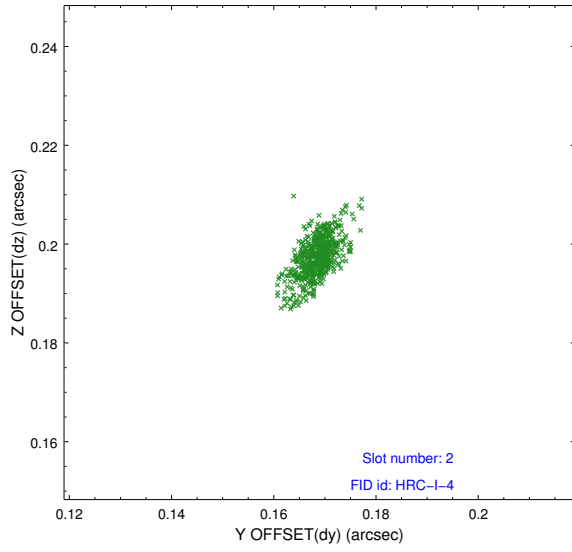
2.5.1 Slot 0



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	2.1709501303434

A.2 Comments

Window preference met.