

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21578 - L2 Version 1
Chandra X-Ray Center

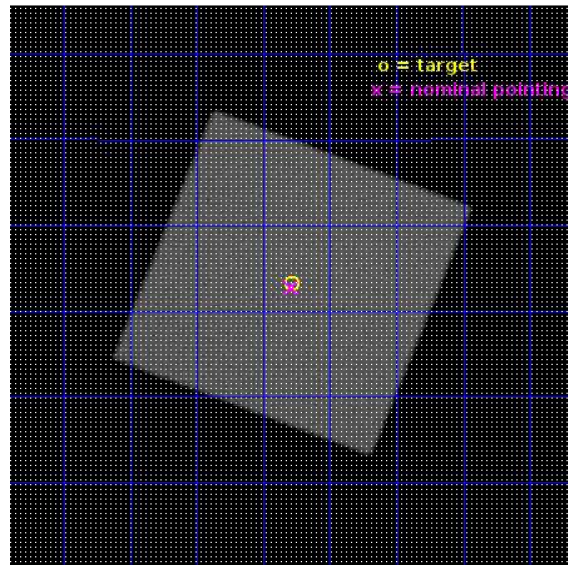
L2 Processing Date : May 29 2019

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1 Front

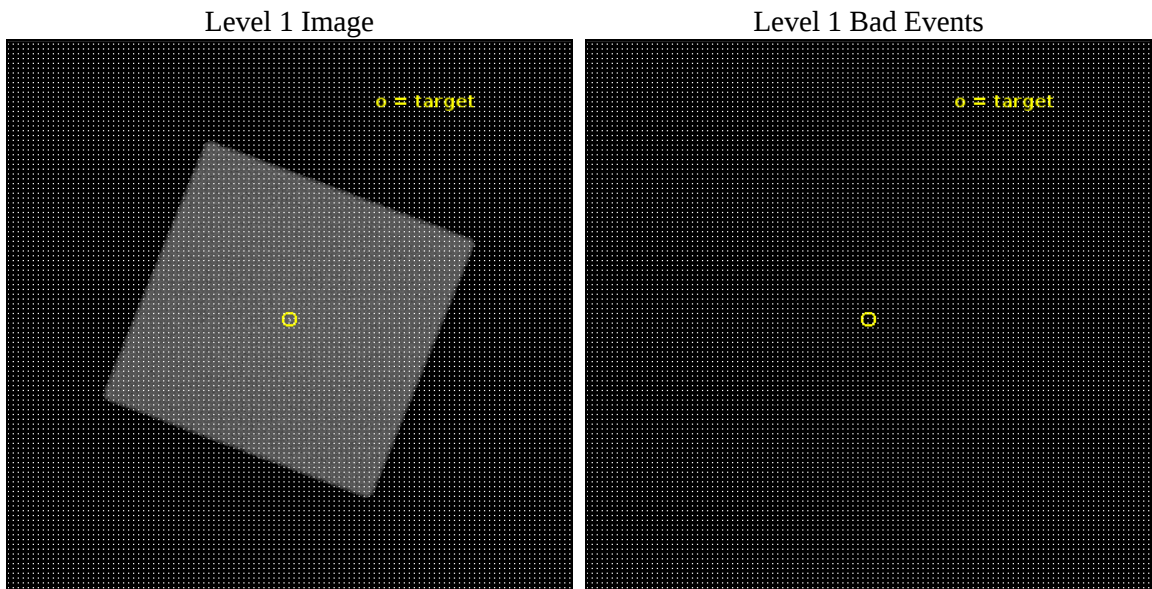
seq_num	201255	Sequence number
obs_id	21578	Observation id
title	Stellar X-ray Cycles: the Shape of Things to Come	Proposal title
observer	THOMAS AYRES	Principal investigator
object	PROCYON	Source name
ra_targ	114.82125	Observer's specified target RA [deg]
dec_targ	5.218944	Observer's specified target Dec [deg]
ra_nom	114.82256388344	Nominal RA [deg]
dec_nom	5.2118861073973	Nominal Dec [deg]
roll_nom	246.37758015038	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5113.5971802473	[s]
livetime	5007.0957069475	Ontime multiplied by DTCOR
l2events	638524	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	5113.7253066301	[s]
caldbver	4.8.3	 	l1events	1030860	Number of level 1 events
date	2019-05-29T12:07:30	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

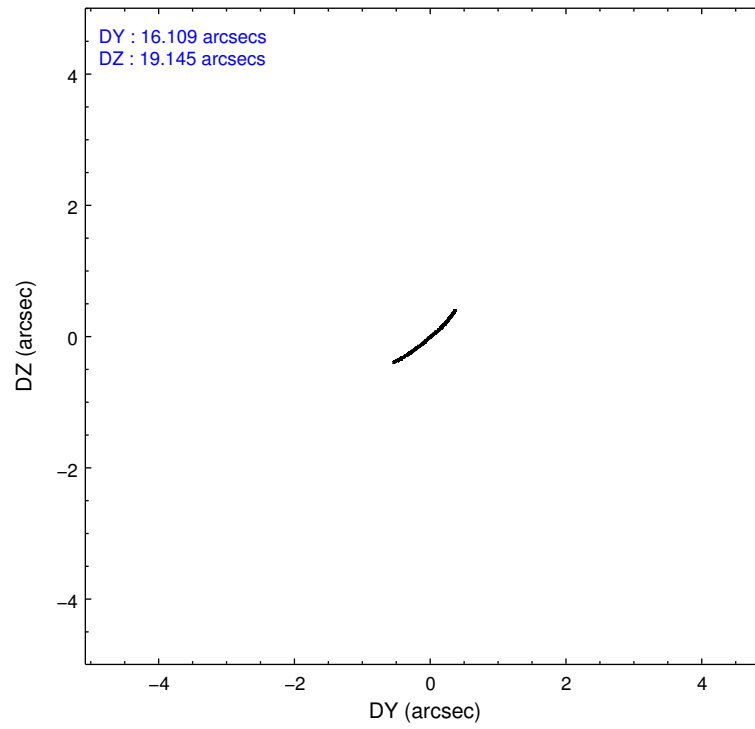
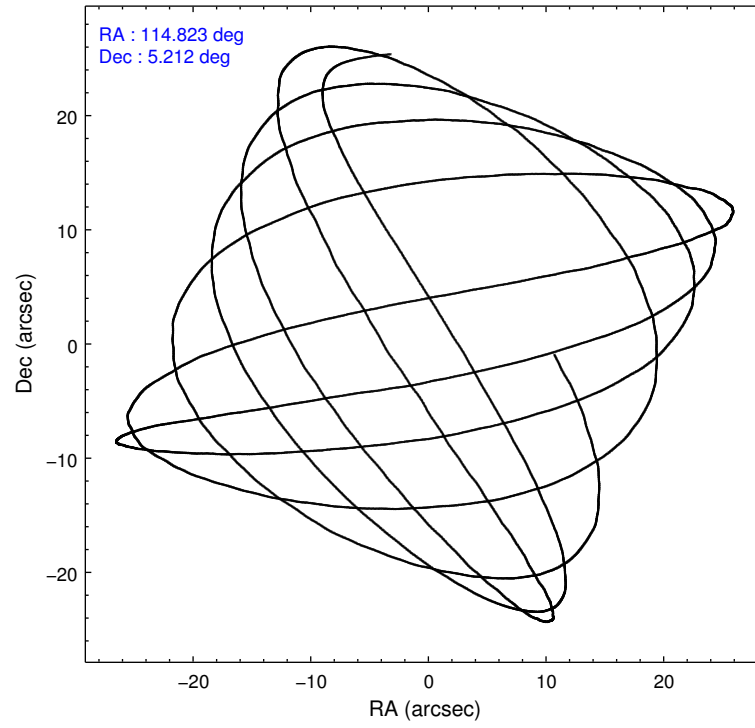
	segment 0
level 1 events	1030860
rejected events	194473
rejected %	18%

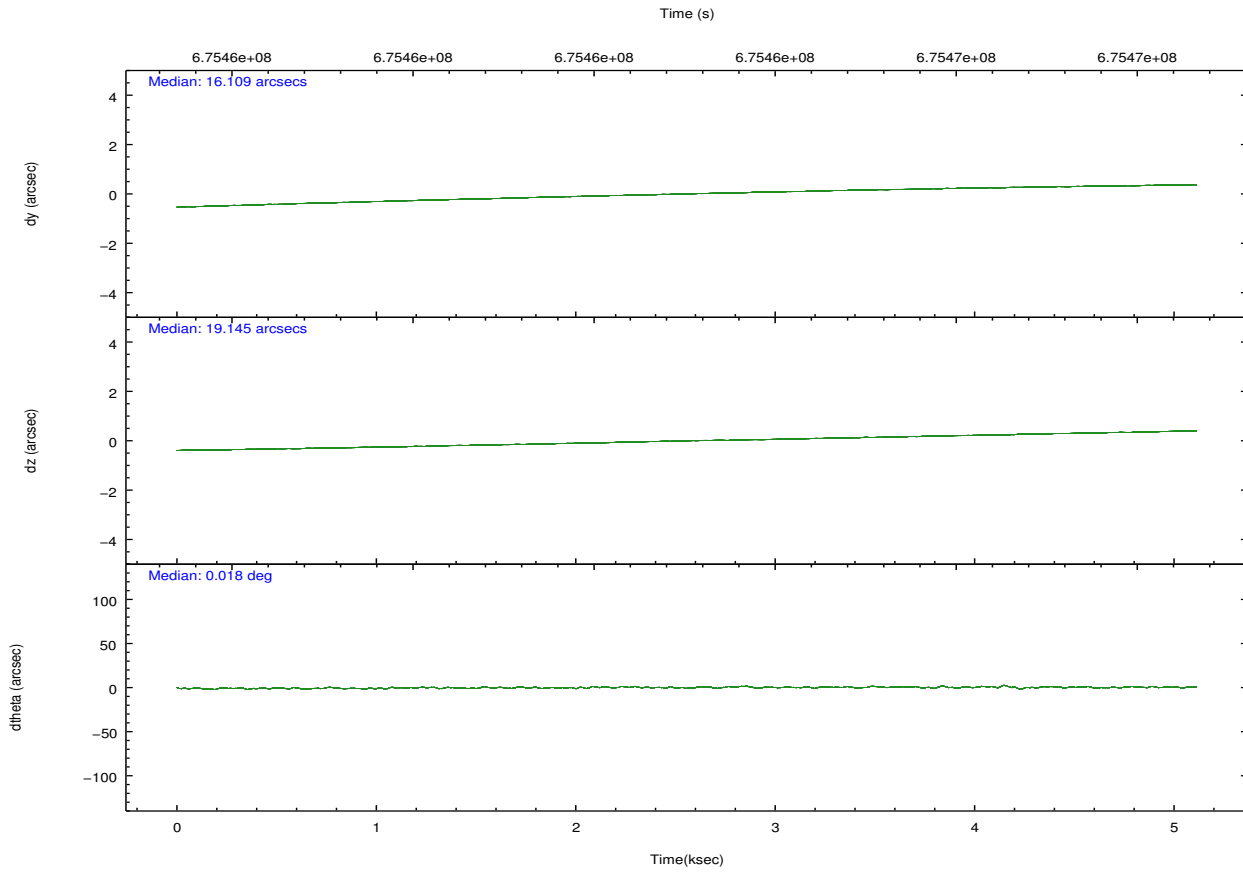
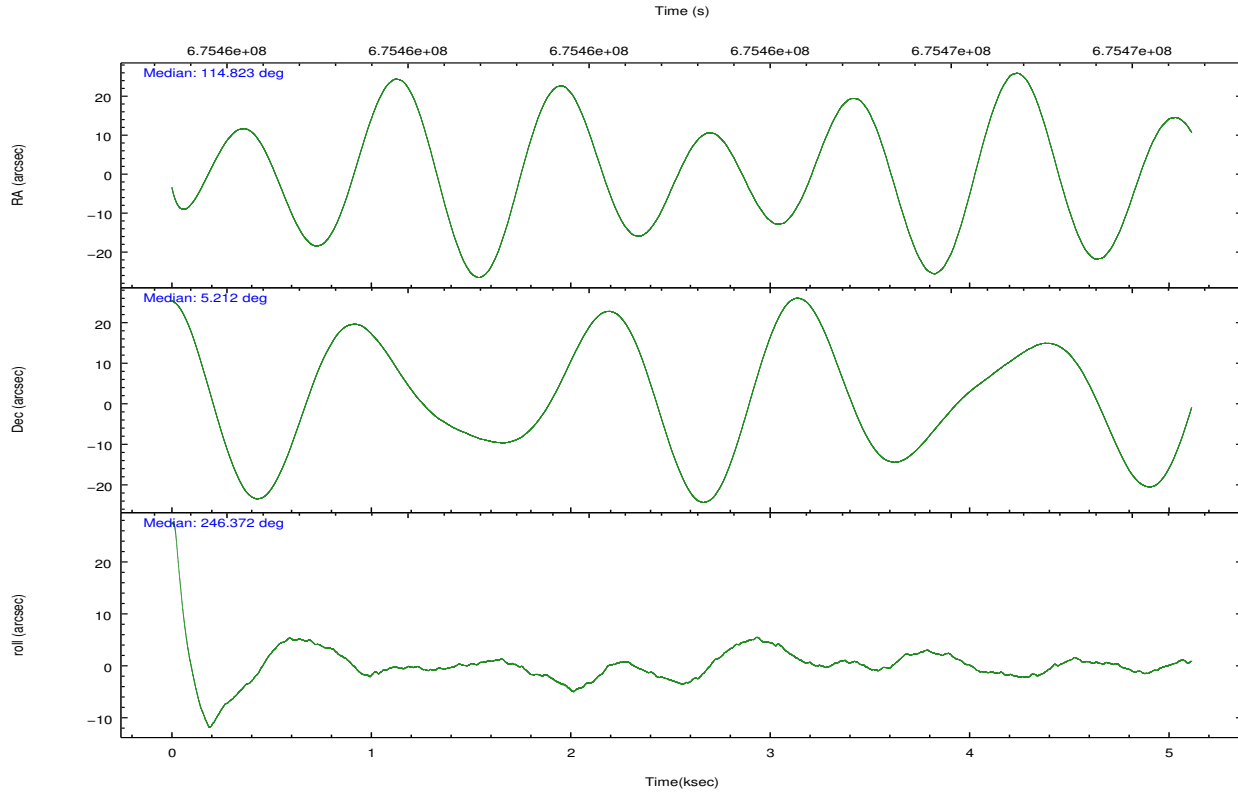
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	114.818884	114.8225638834446
[deg] Pointing Dec	5.239241	5.211886107397348
[deg] Pointing Roll	246.473345	246.3775801503843
[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)	675462085.184000	675460776.3386101
Observation start date	2019-05-28T20:20:16	2019-05-28T19:59:36
[s] Observation end time (MET)	675467085.184000	675468035.9015501
Observation end date	2019-05-28T21:43:36	2019-05-28T22:00:35

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

2.3 Aspect



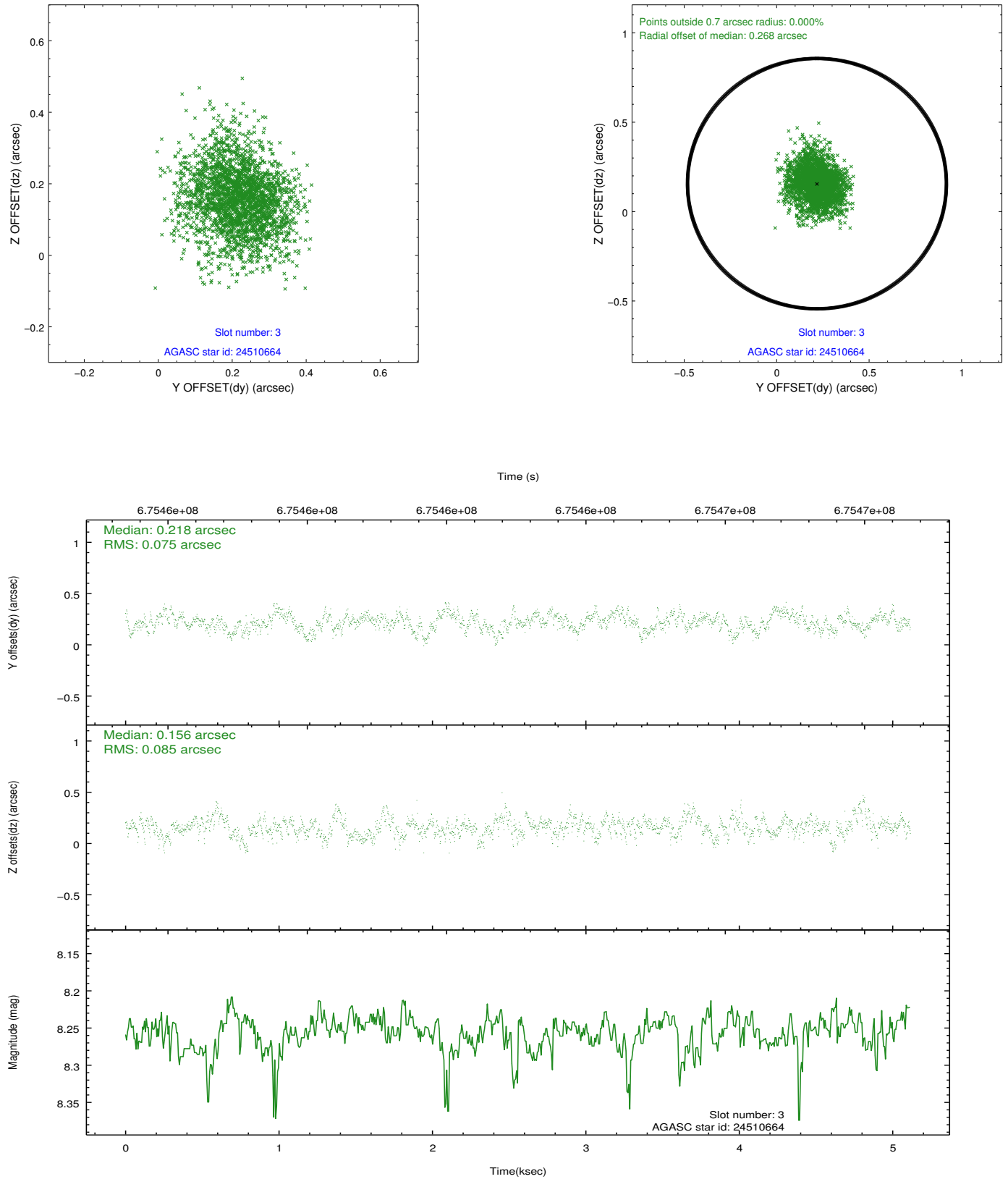


Slot Statistics

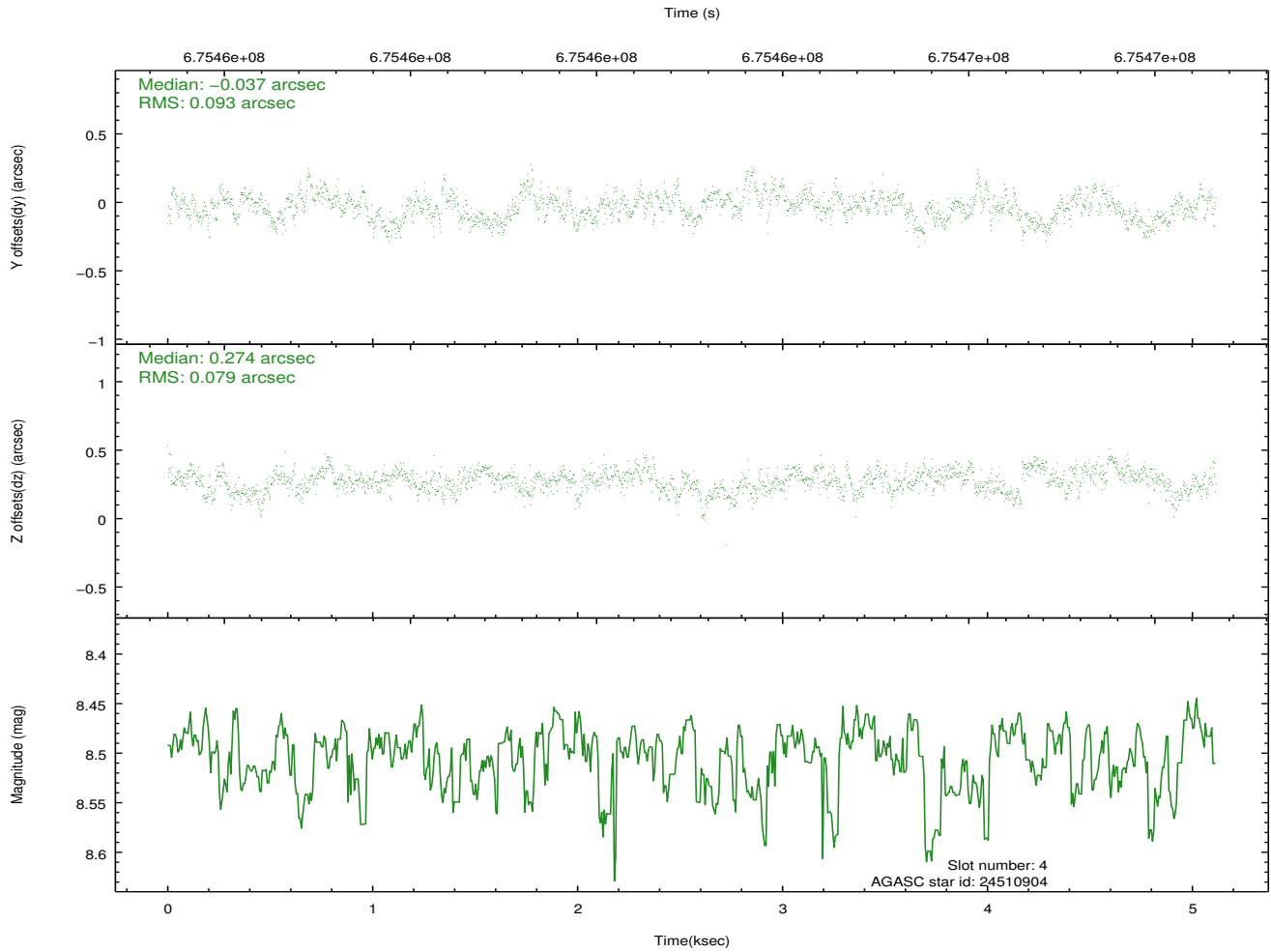
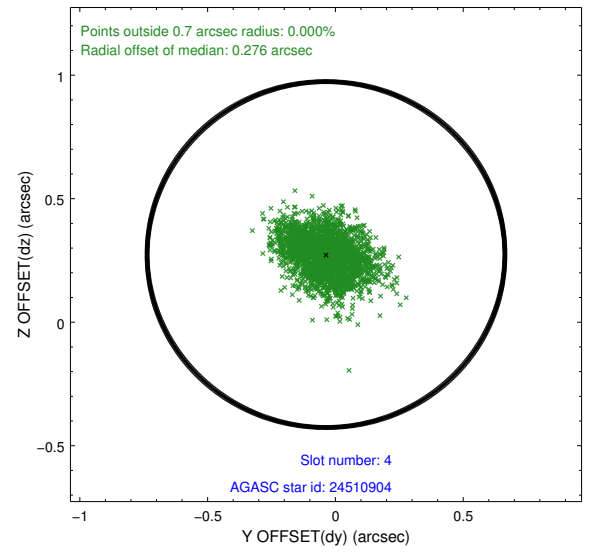
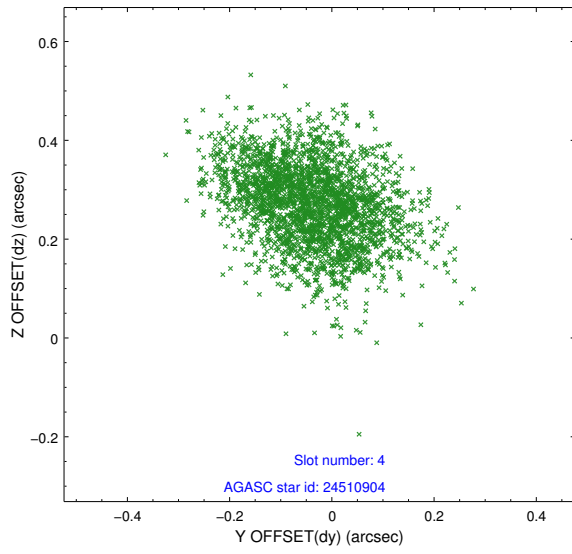
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	7.03	1248	1.000	-0.463	-0.292	0.015	0.021	0.000000	0.000000	-772.59 -1307
1	FID		HRC-I-2	7.05	1248	1.000	0.316	-0.005	0.015	0.023	0.000000	0.000000	840.20 -1310
2	FID		HRC-I-4	7.06	1248	1.000	0.262	0.205	0.018	0.025	0.000000	0.000000	1271.97 993
3	GUIDE	used	24510664	8.26	2495	1.000	0.218	0.156	0.121	0.197	114.507675	5.586603	-697.74 -1523
4	GUIDE	used	24510904	8.50	2489	1.000	-0.037	0.274	0.130	0.210	115.291057	5.593366	-1845.69 1041
5	GUIDE	used	24522920	7.87	2495	1.000	-0.058	-0.022	0.084	0.141	114.615561	5.074592	833.33 -431
6	GUIDE	used	24522960	7.81	2494	1.000	-0.190	-0.384	0.109	0.176	115.195385	5.000625	247.92 1580
7	GUIDE	used	24383192	7.92	2493	1.000	0.070	-0.014	0.100	0.165	114.373279	5.211521	728.57 -1424

2.4 Star Slots

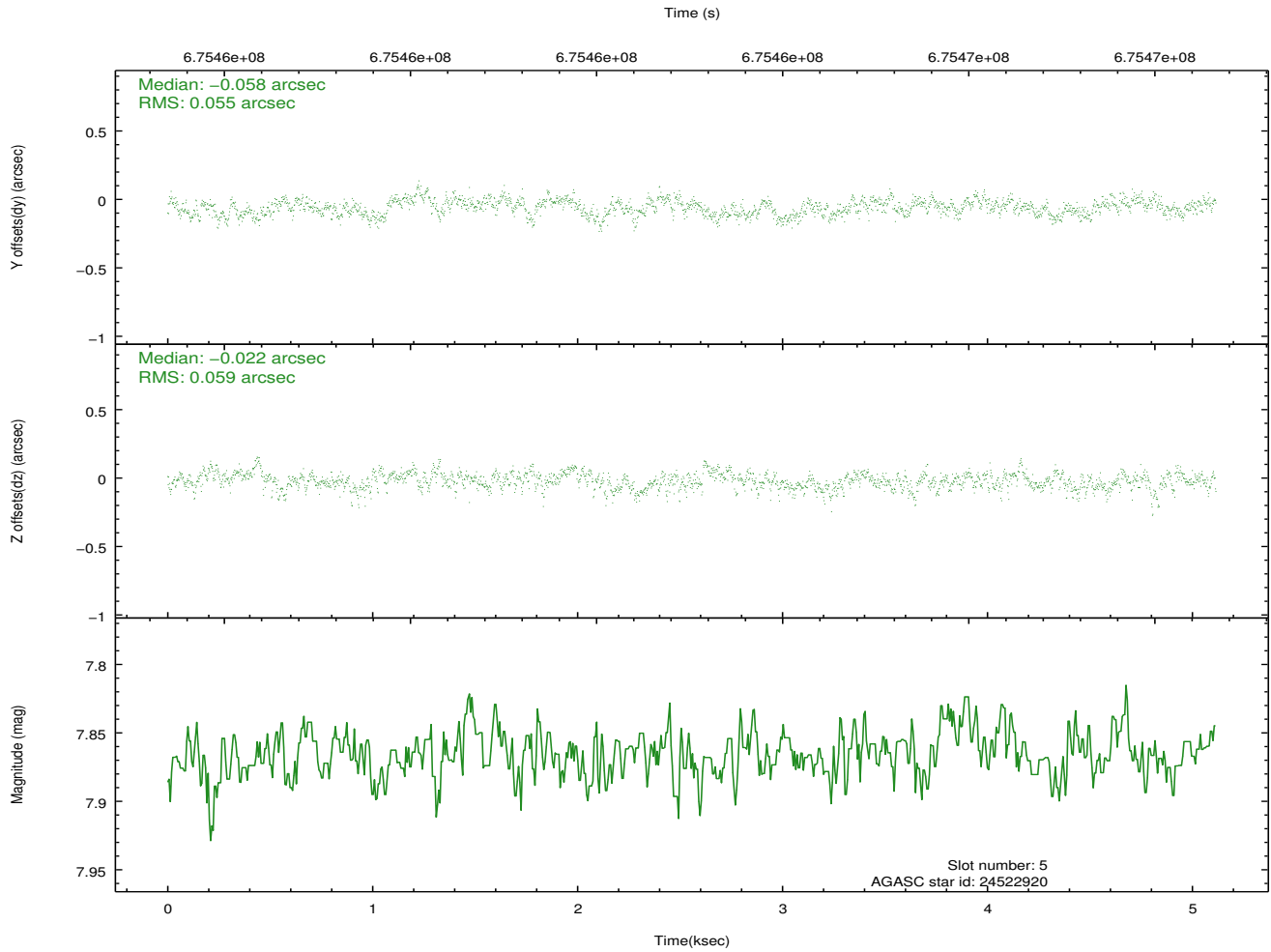
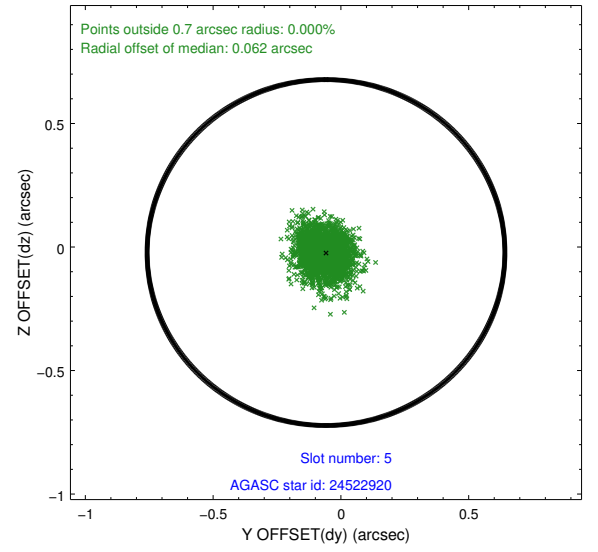
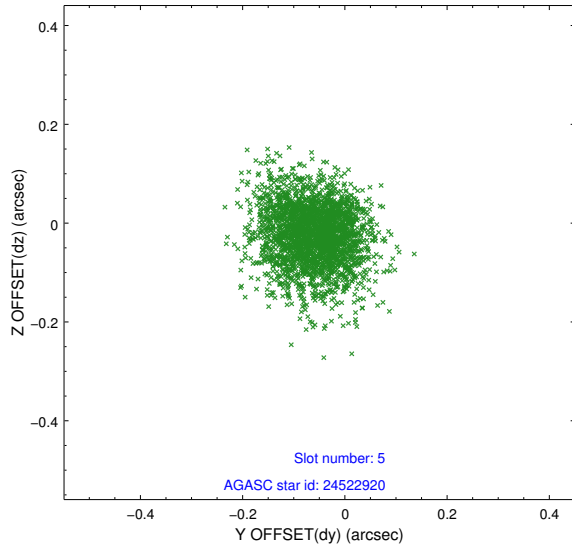
2.4.1 Slot 3



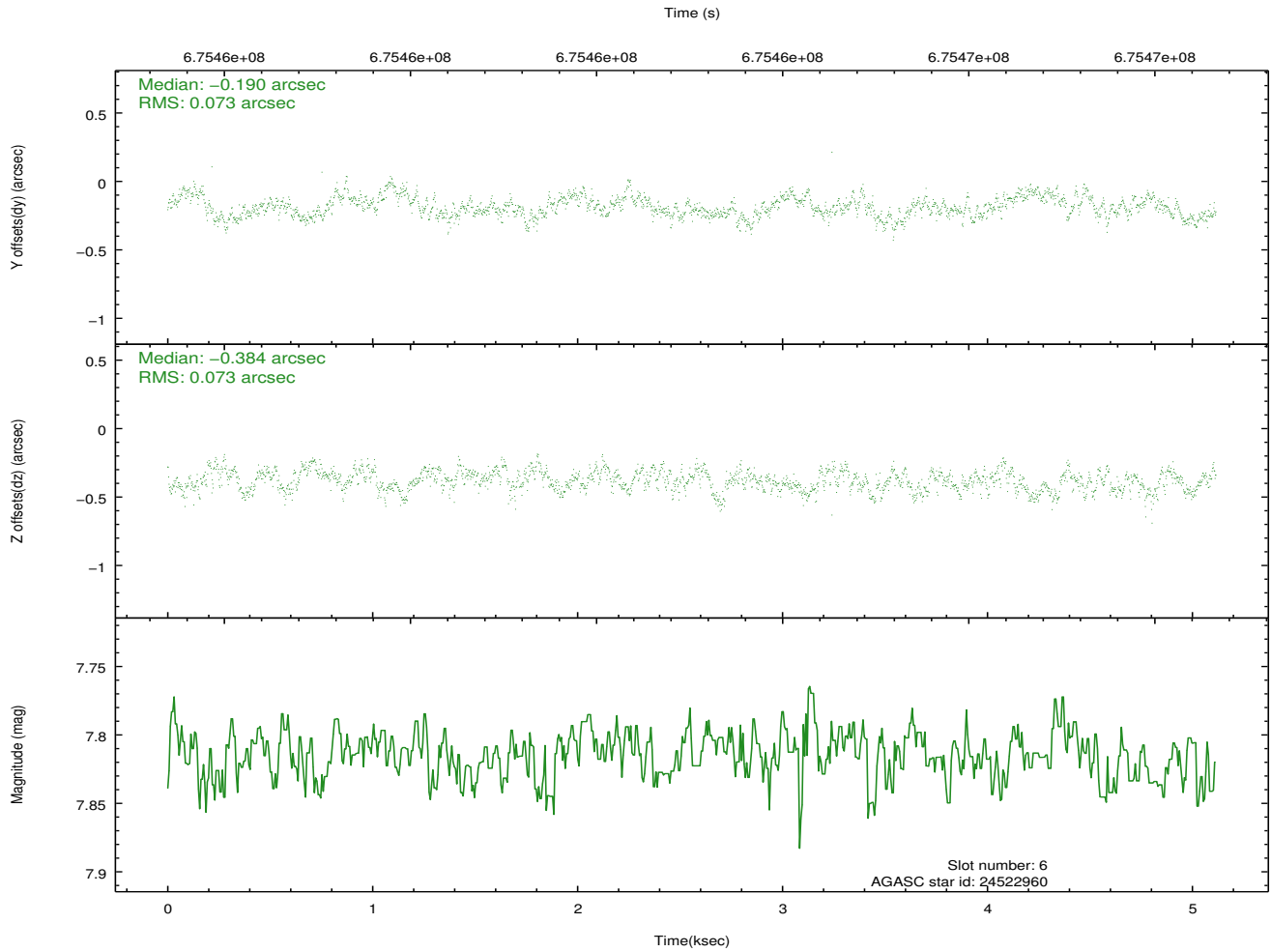
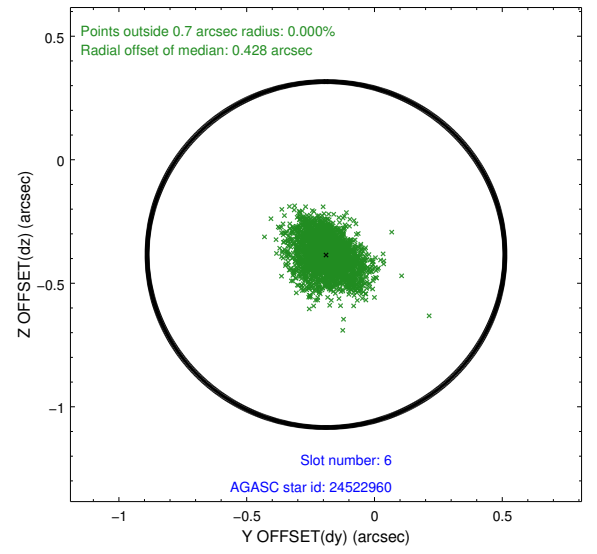
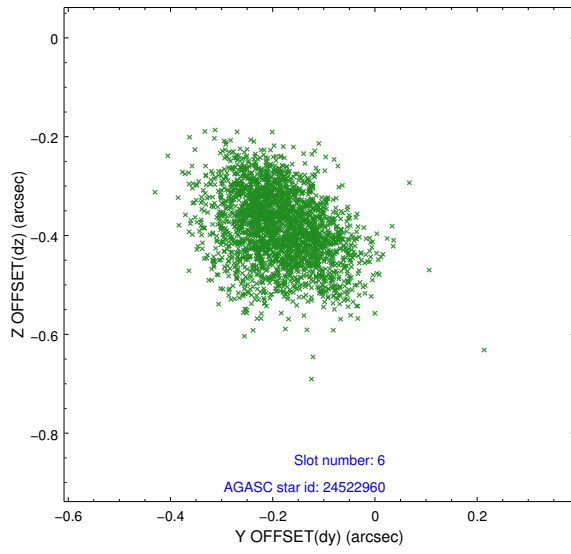
2.4.2 Slot 4



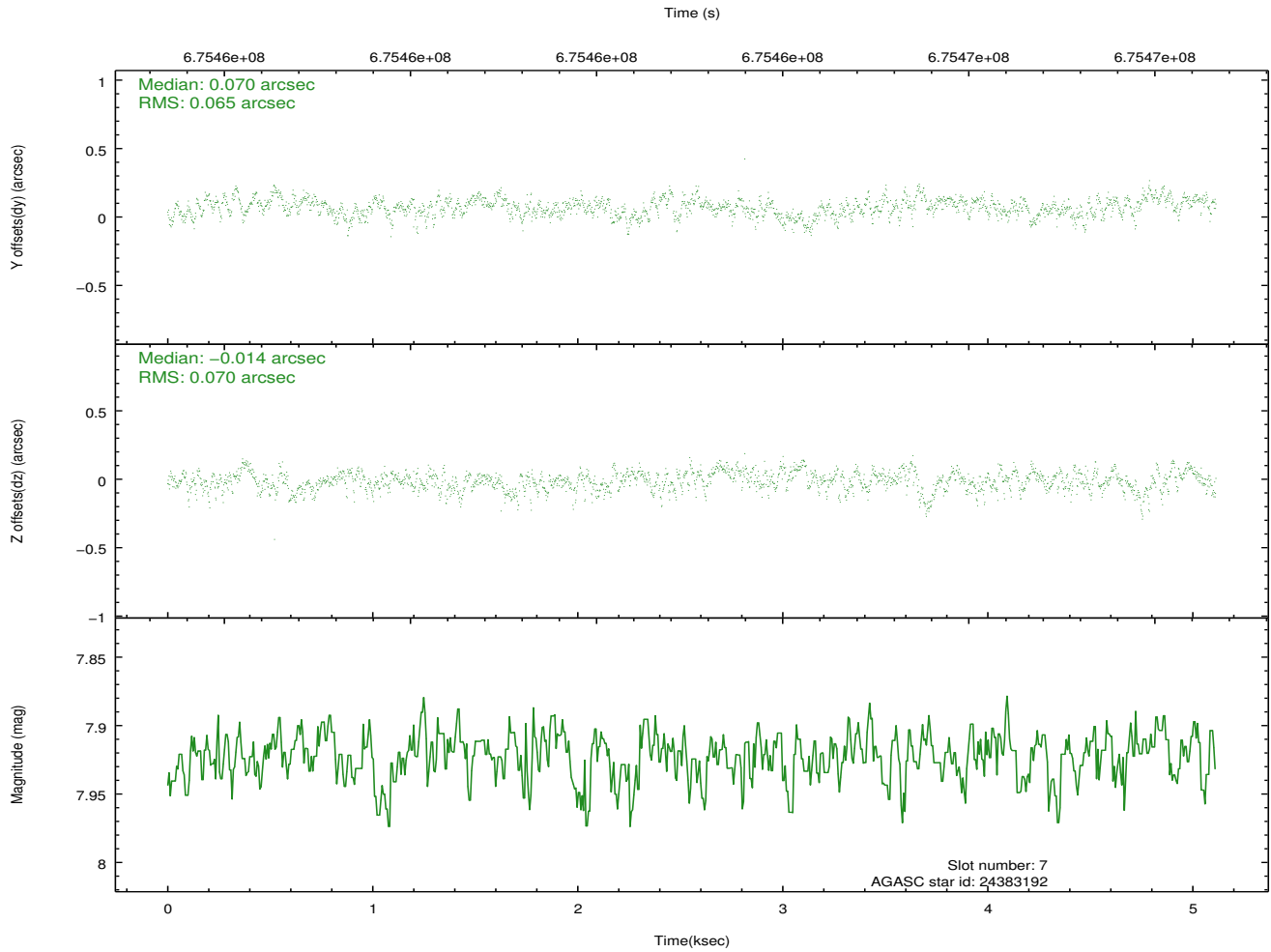
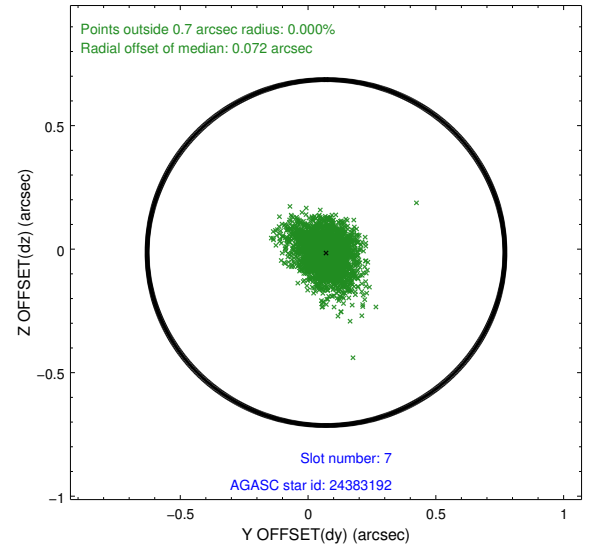
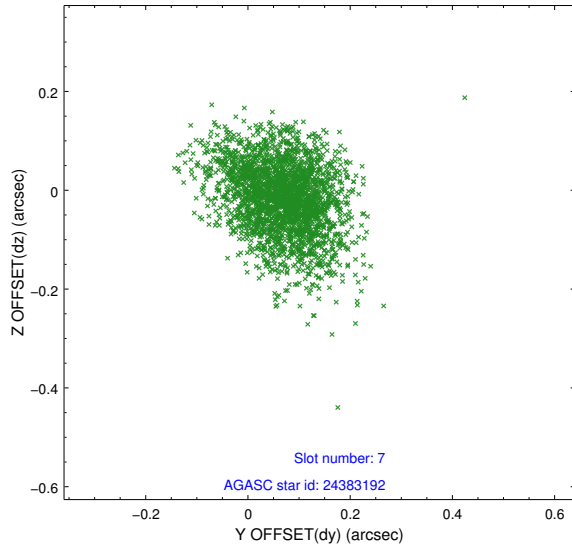
2.4.3 Slot 5



2.4.4 Slot 6

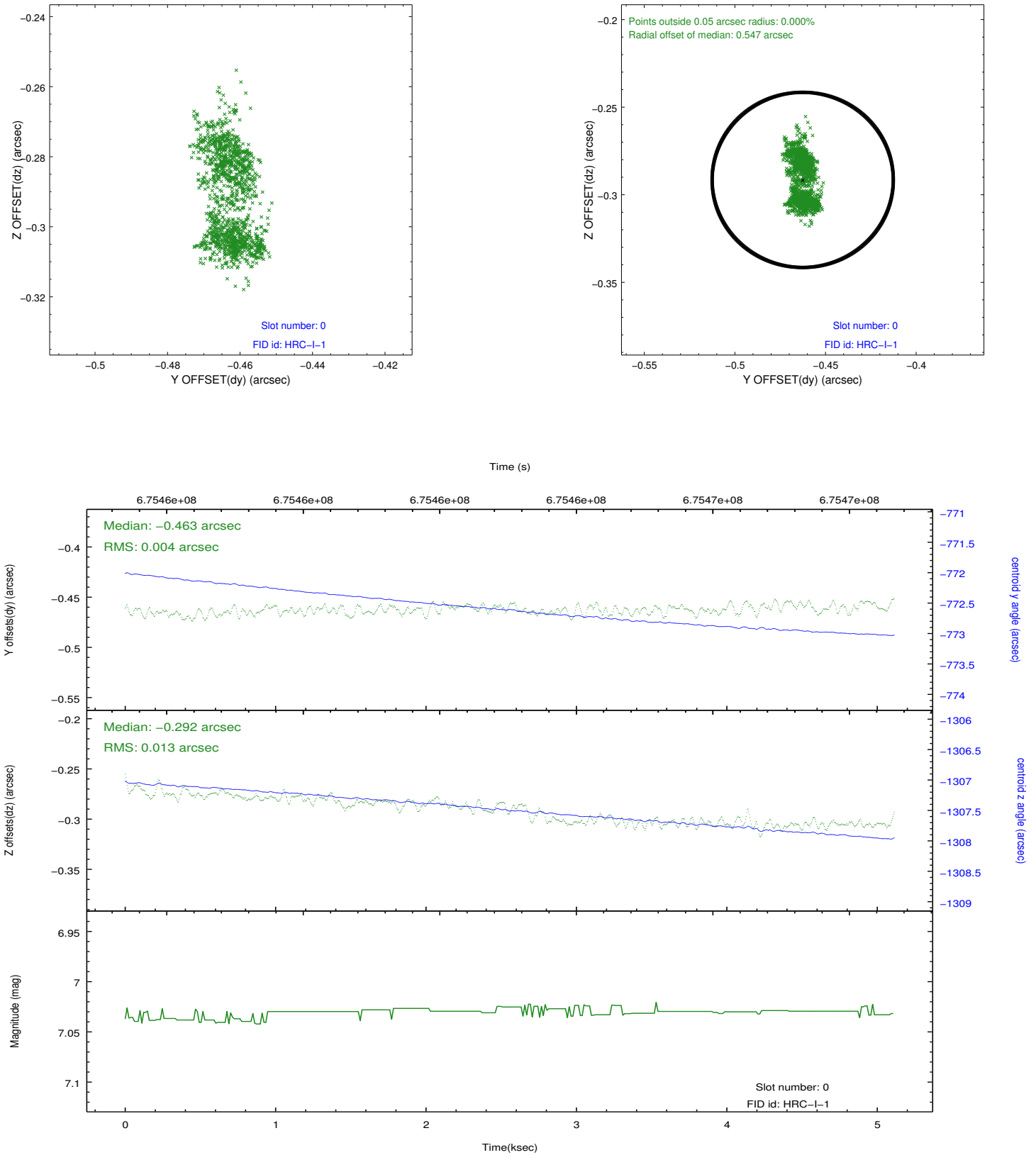


2.4.5 Slot 7

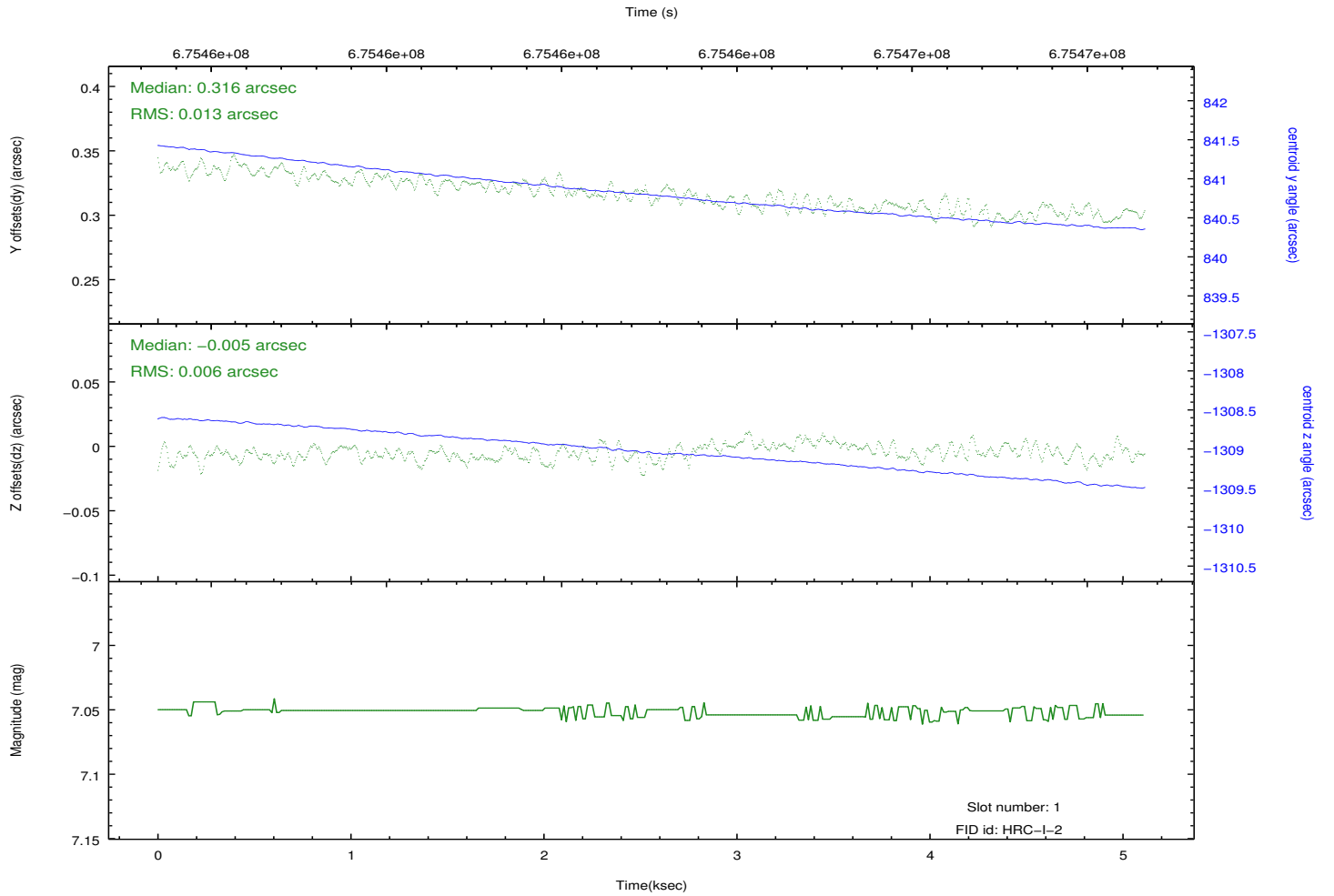
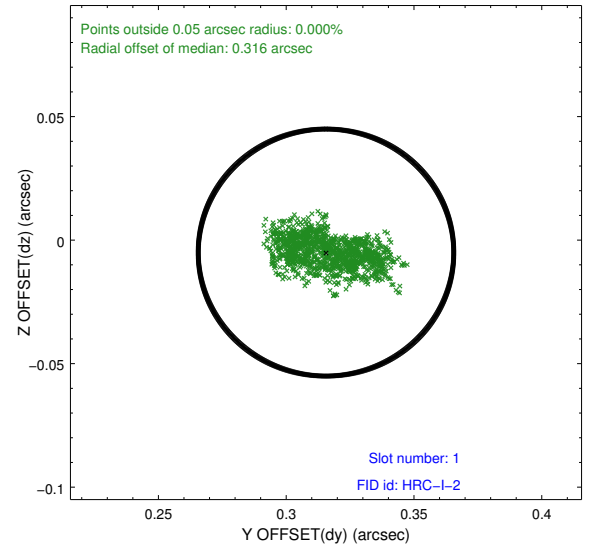
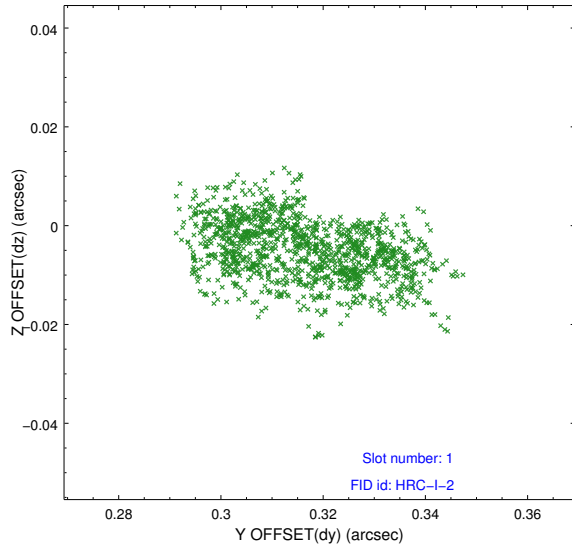


2.5 FID Slots

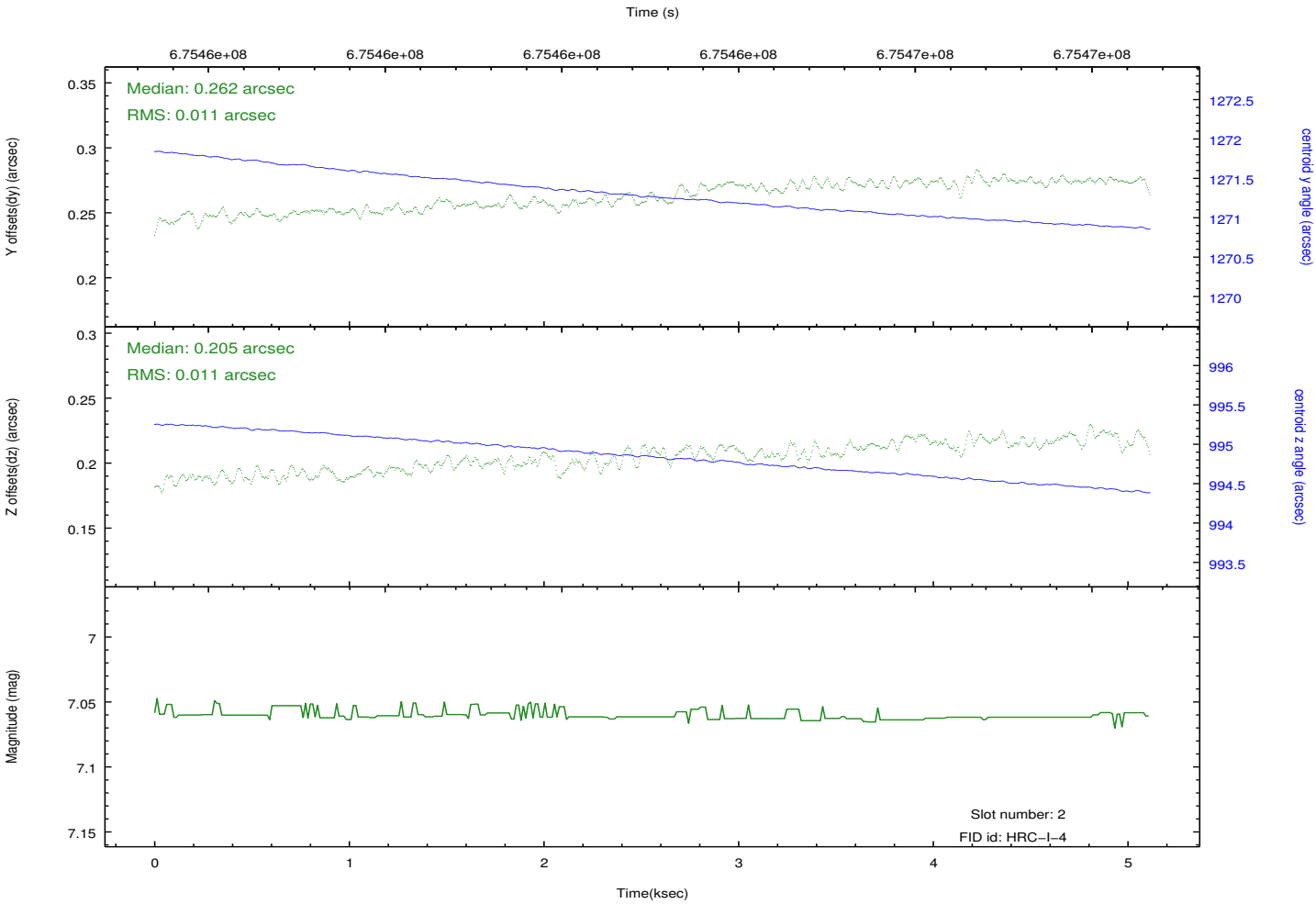
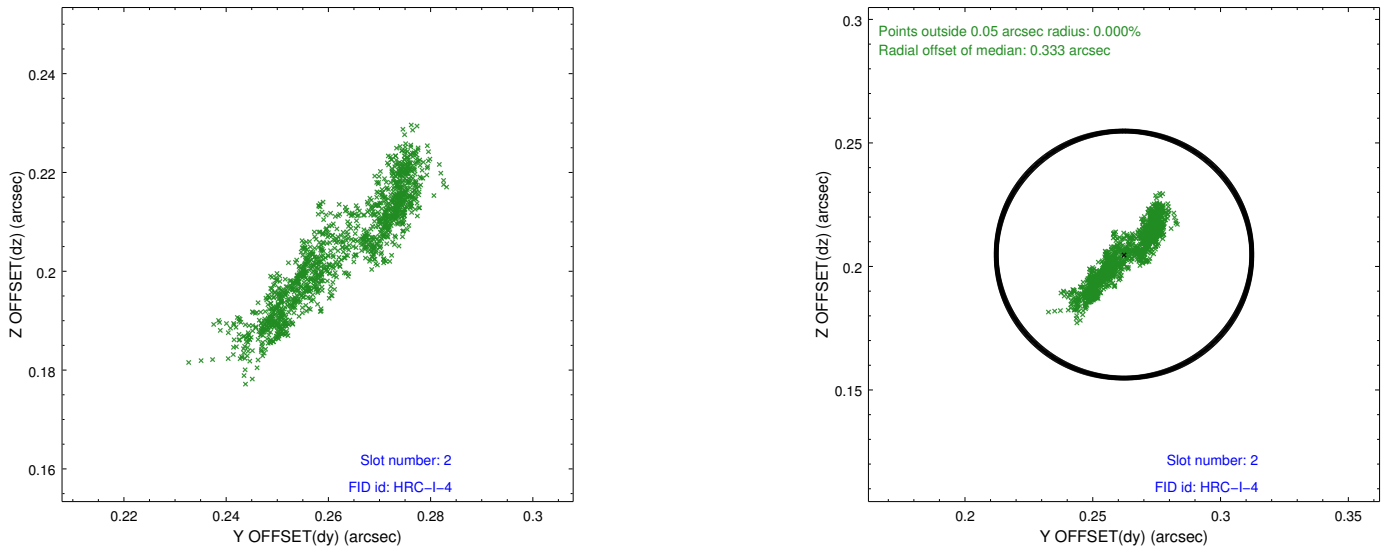
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1135971802473

A.2 Comments