

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18409 - L2 Version 1
Chandra X-Ray Center

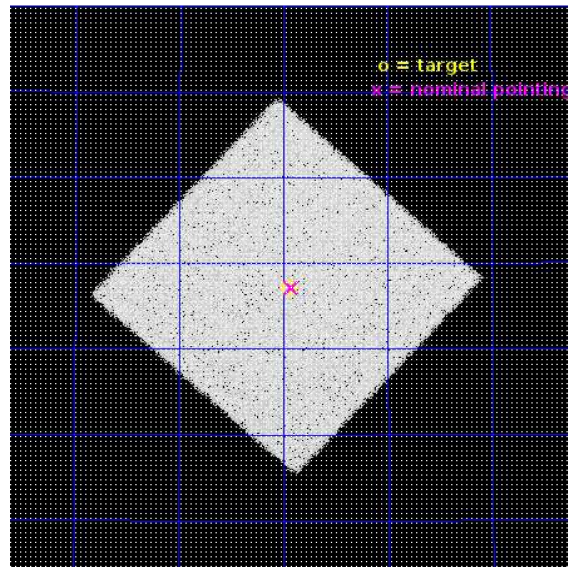
L2 Processing Date : Jun 30 2016

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1 Front

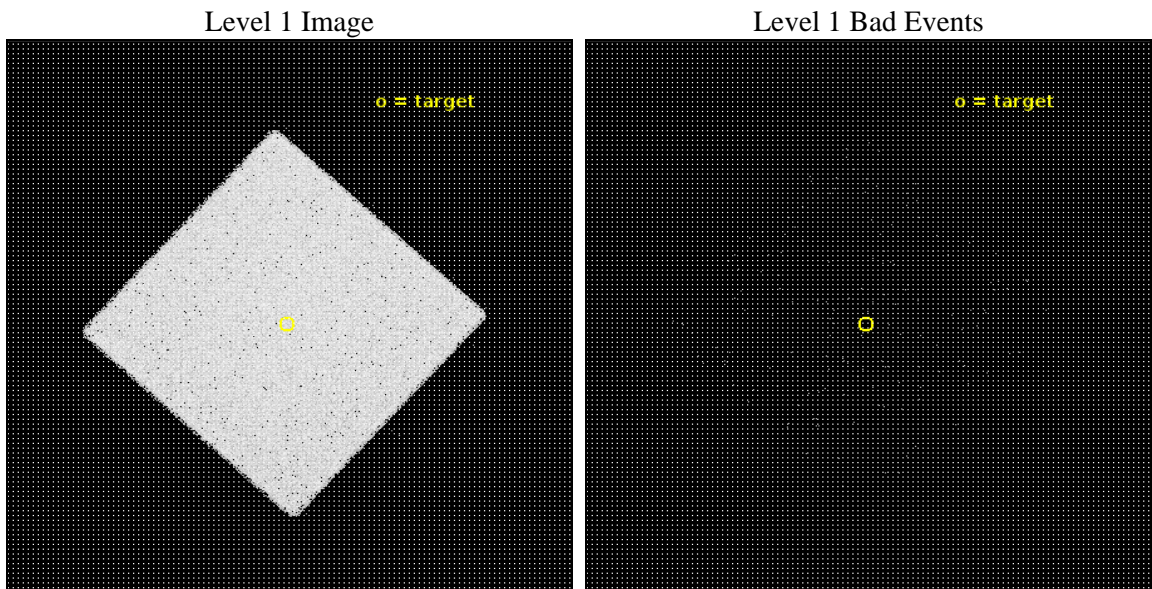
seq_num	291304	Sequence number
obs_id	18409	Observation id
title	AO-17 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.23075692515	Nominal RA [deg]
dec_nom	38.786172225637	Nominal Dec [deg]
roll_nom	177.40793117077	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2178.1251248121	[s]
liveltime	2154.6730834812	Ontime multiplied by DTCOR
l2events	192583	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	2178.1251248121	[s]
caldsver	4.7.2	 	l1events	442743	Number of level 1 events
date	2016-06-30T11:42:58	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

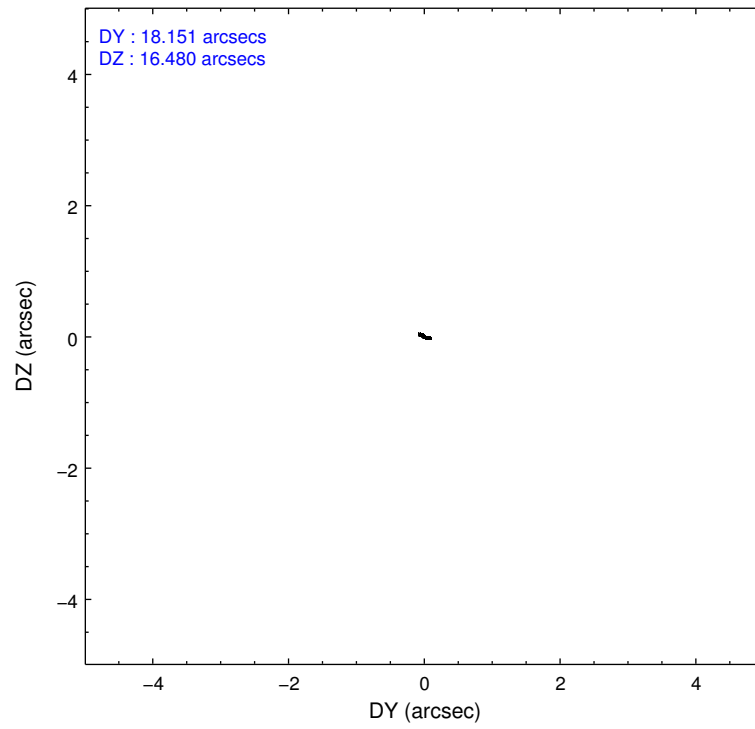
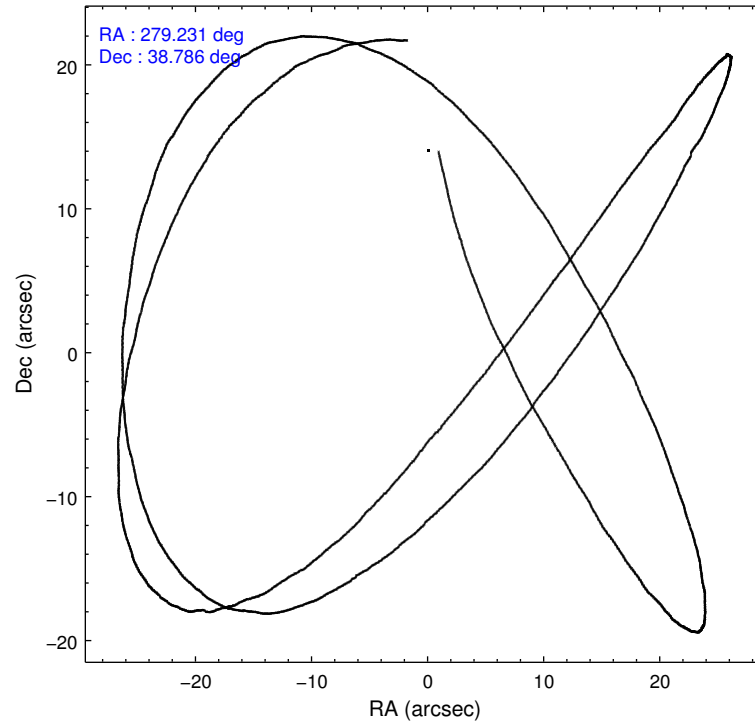
Level 1 Events

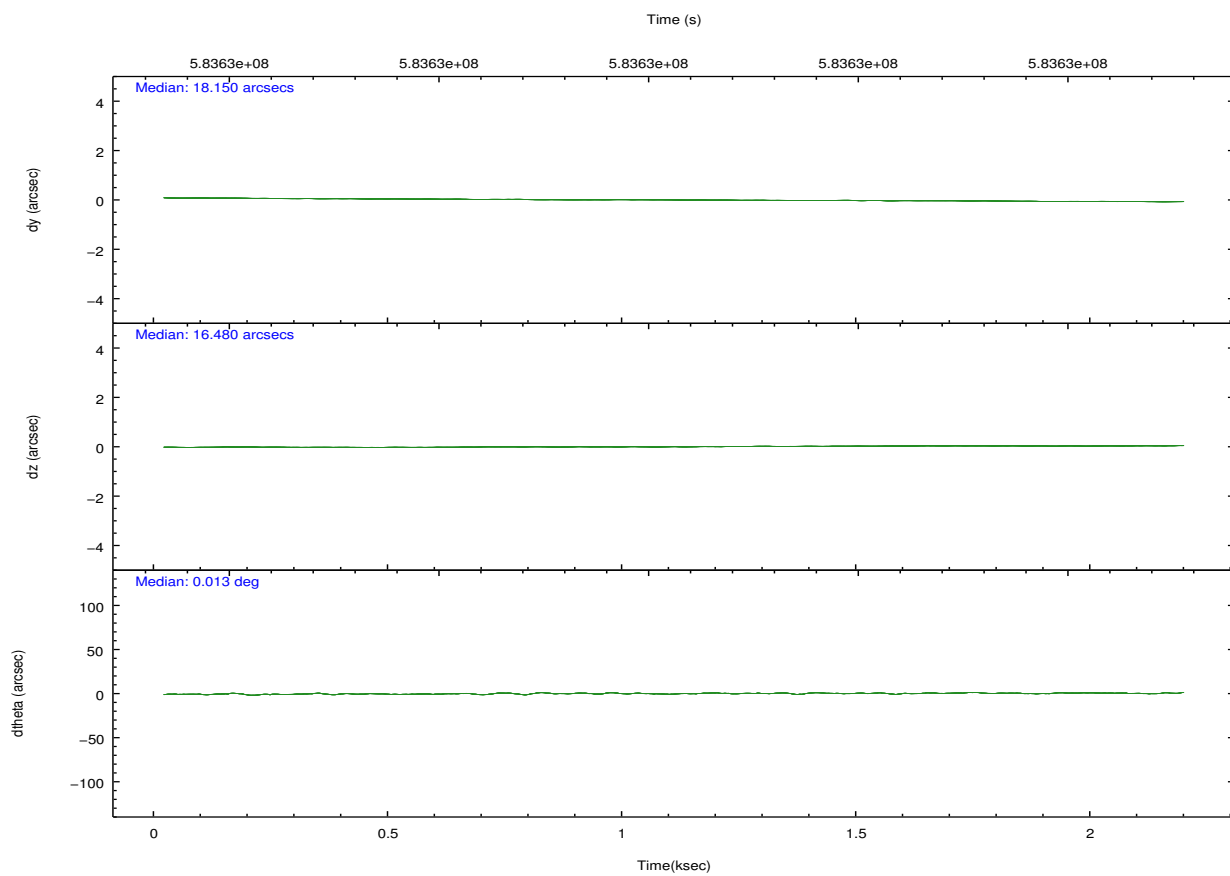
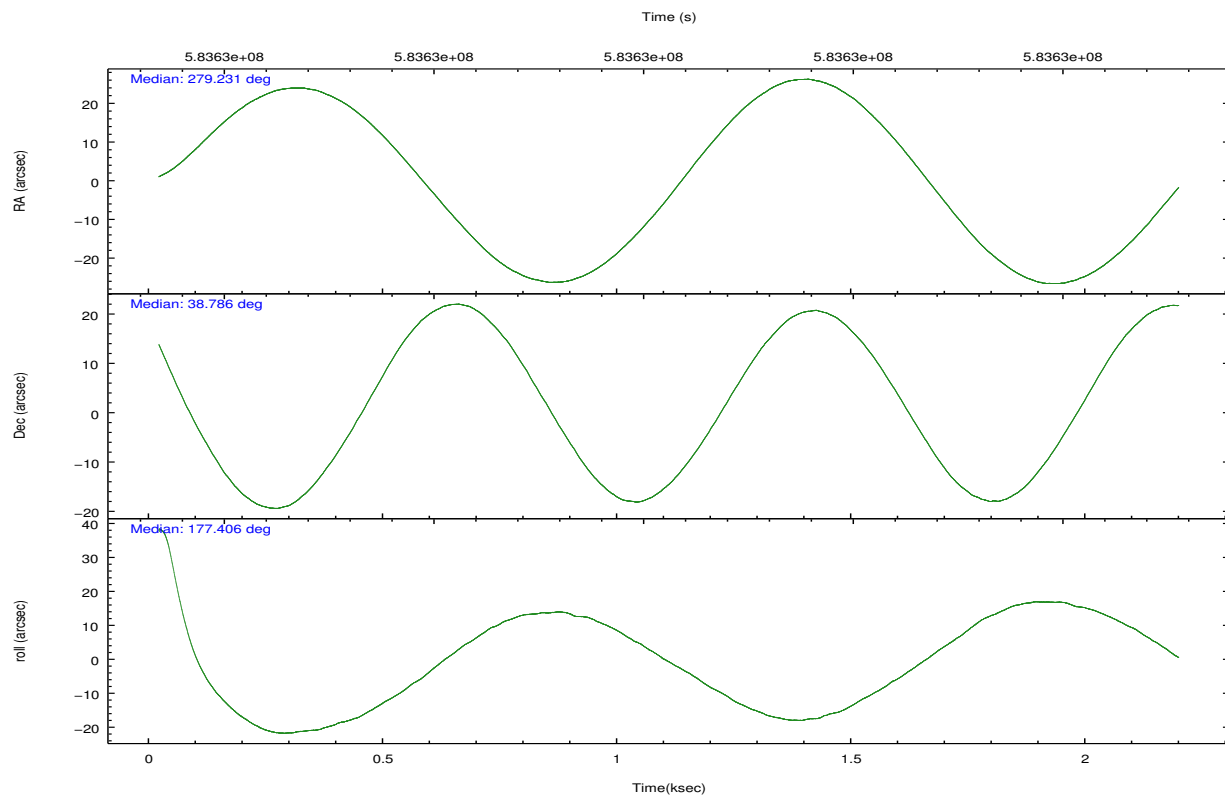
	segment 0
level 1 events	442743
rejected events	185700
rejected %	41%

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	279.261494	279.2307569251536			
[deg] Pointing Dec	38.799557	38.78617222563746			
[deg] Pointing Roll	177.483916	177.4079311707706			
[s] Window start time (MET)	581126468.184000	581126468.184000			
[s] Window stop time (MET)	586310468.184000	586310468.184000			
[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)	583625673.184000	583623959.64231			
Observation start date	2016-06-29T22:13:25	2016-06-29T21:45:59			
[s] Observation end time (MET)	583627673.184000	583628560.86757			
Observation end date	2016-06-29T22:46:45	2016-06-29T23:02:40			

2.3 Aspect



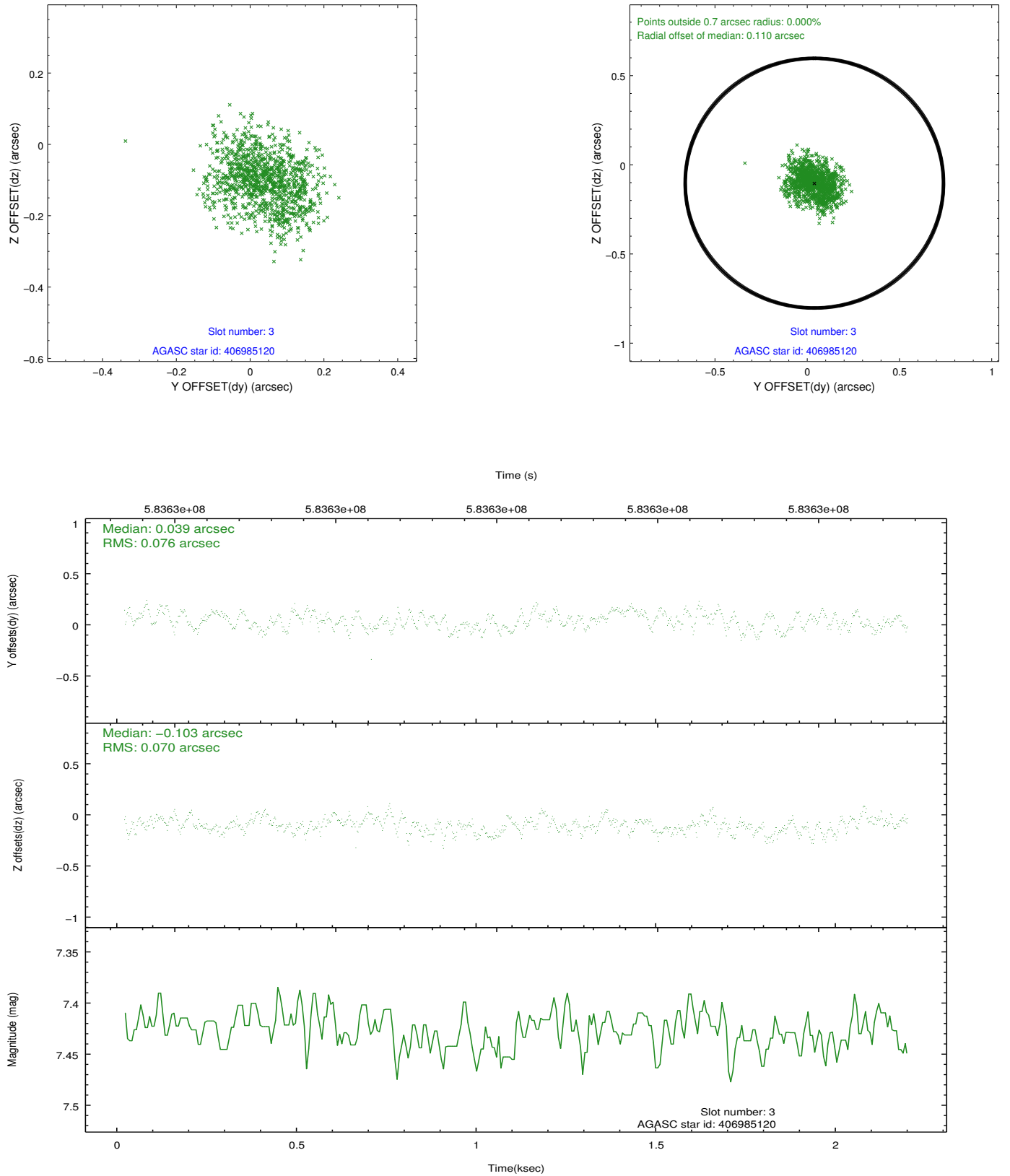


Slot Statistics

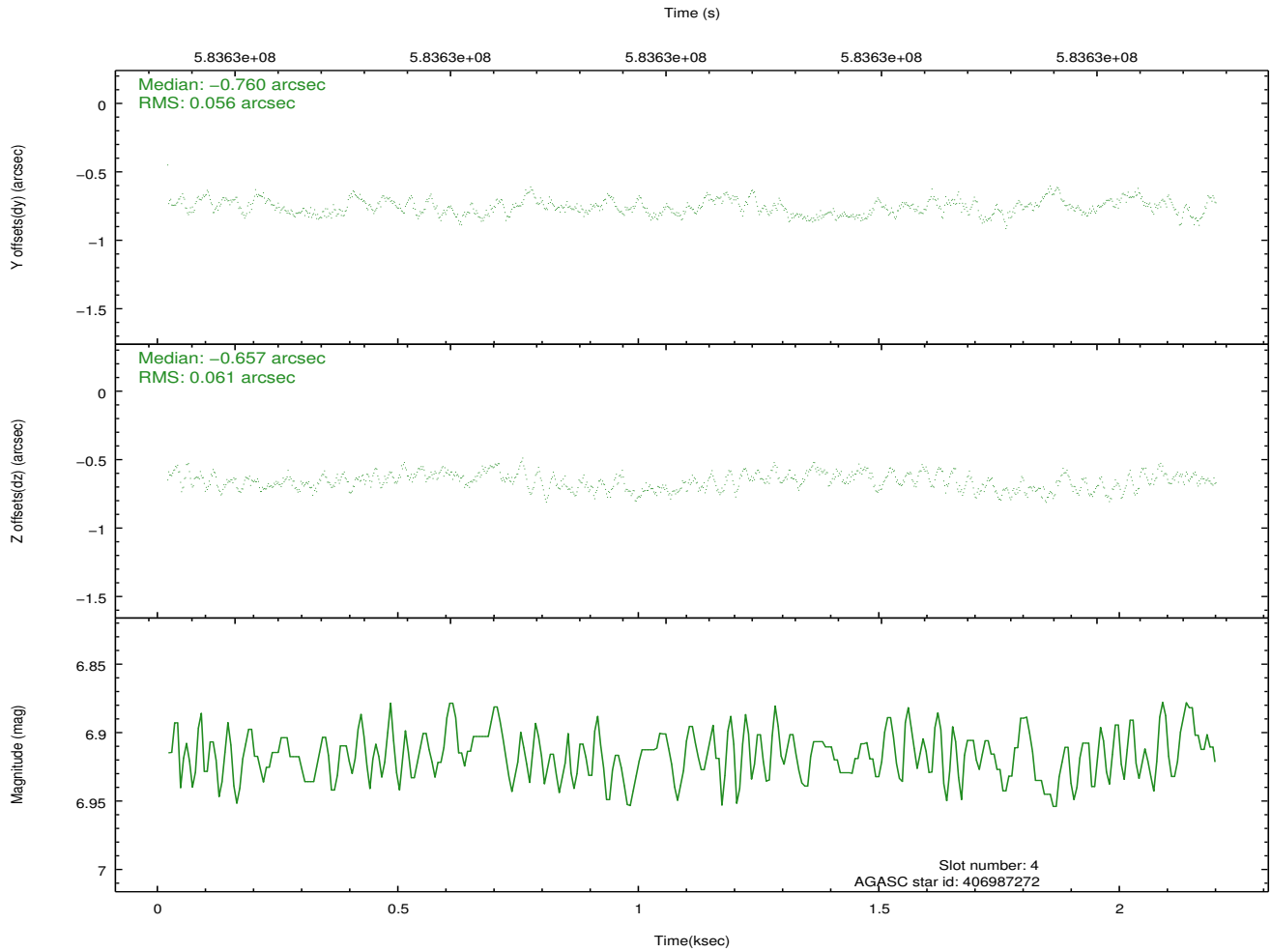
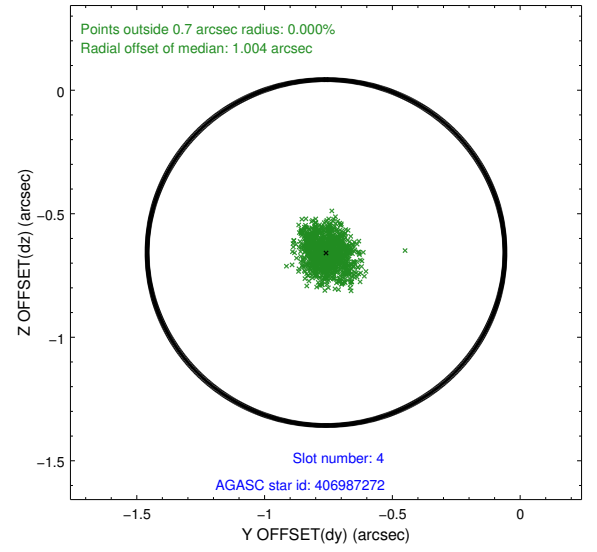
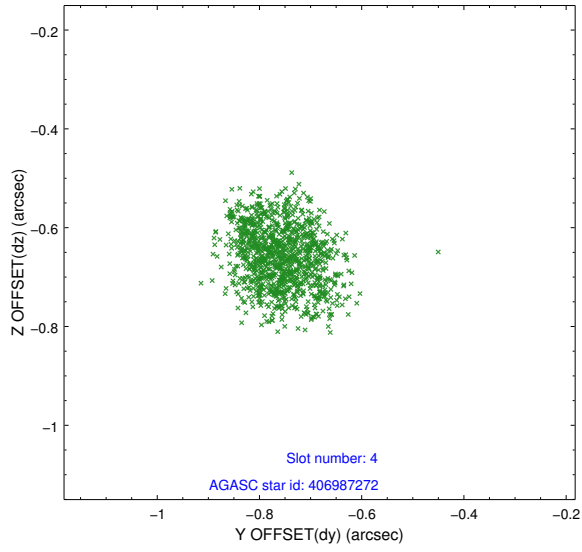
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.97	532	-0.100	-0.062	0.006	0.010	0.000000	0.000000	-774.23	-1304.62
1	FID		HRC-I-3	7.04	532	-0.187	-0.130	0.007	0.012	0.000000	0.000000	-1204.10	997.46
2	FID		HRC-I-4	6.97	532	0.401	0.103	0.006	0.011	0.000000	0.000000	1266.96	999.45
3	GUIDE	used	406985120	7.43	1064	0.039	-0.103	0.112	0.170	278.839732	38.894839	1196.29	-294.24
4	GUIDE	used	406987272	6.92	1064	-0.760	-0.657	0.090	0.136	278.536588	38.437504	1986.61	1381.50
5	GUIDE	used	406983600	8.90	1064	0.122	0.056	0.121	0.197	279.940957	39.020708	-1862.37	-883.90
6	GUIDE	used	407521232	8.61	1062	0.294	0.239	0.134	0.218	279.628883	39.431715	-921.51	-2321.78
7	GUIDE	used	407513096	8.13	1063	0.308	0.464	0.086	0.137	279.928965	39.436841	-1753.11	-2382.78

2.4 Star Slots

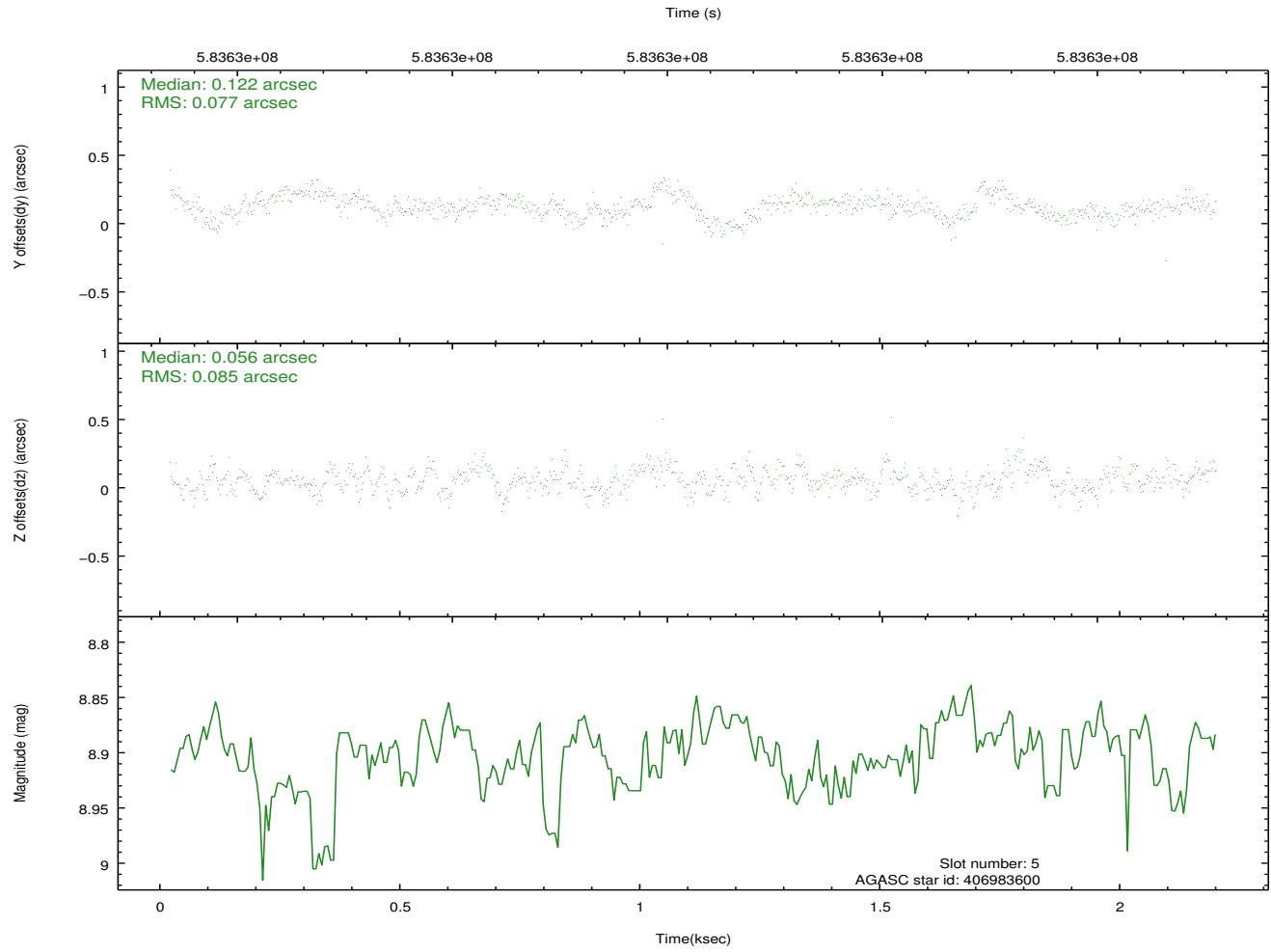
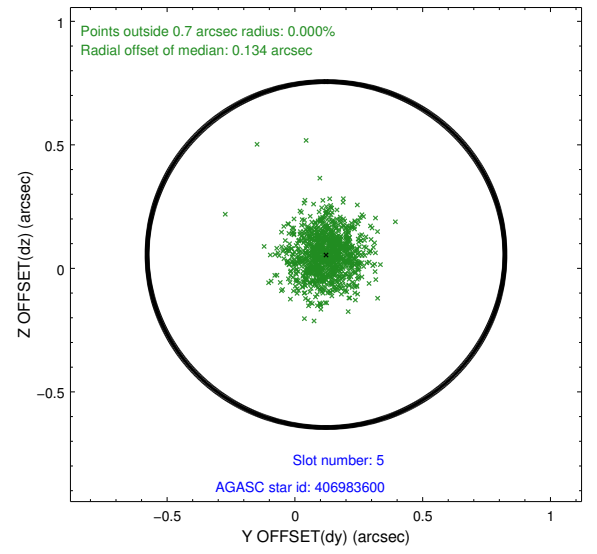
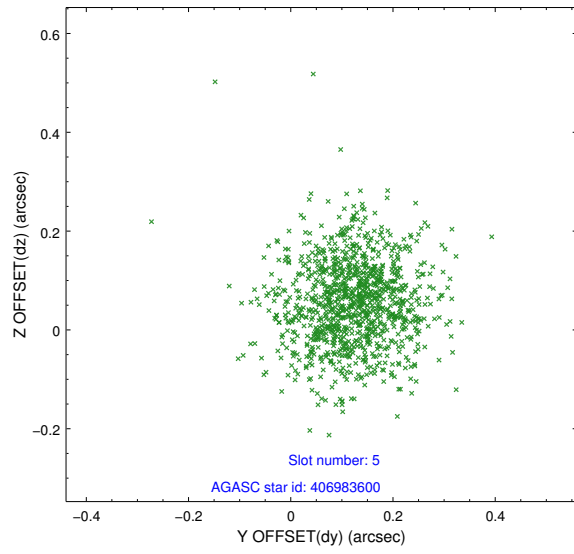
2.4.1 Slot 3



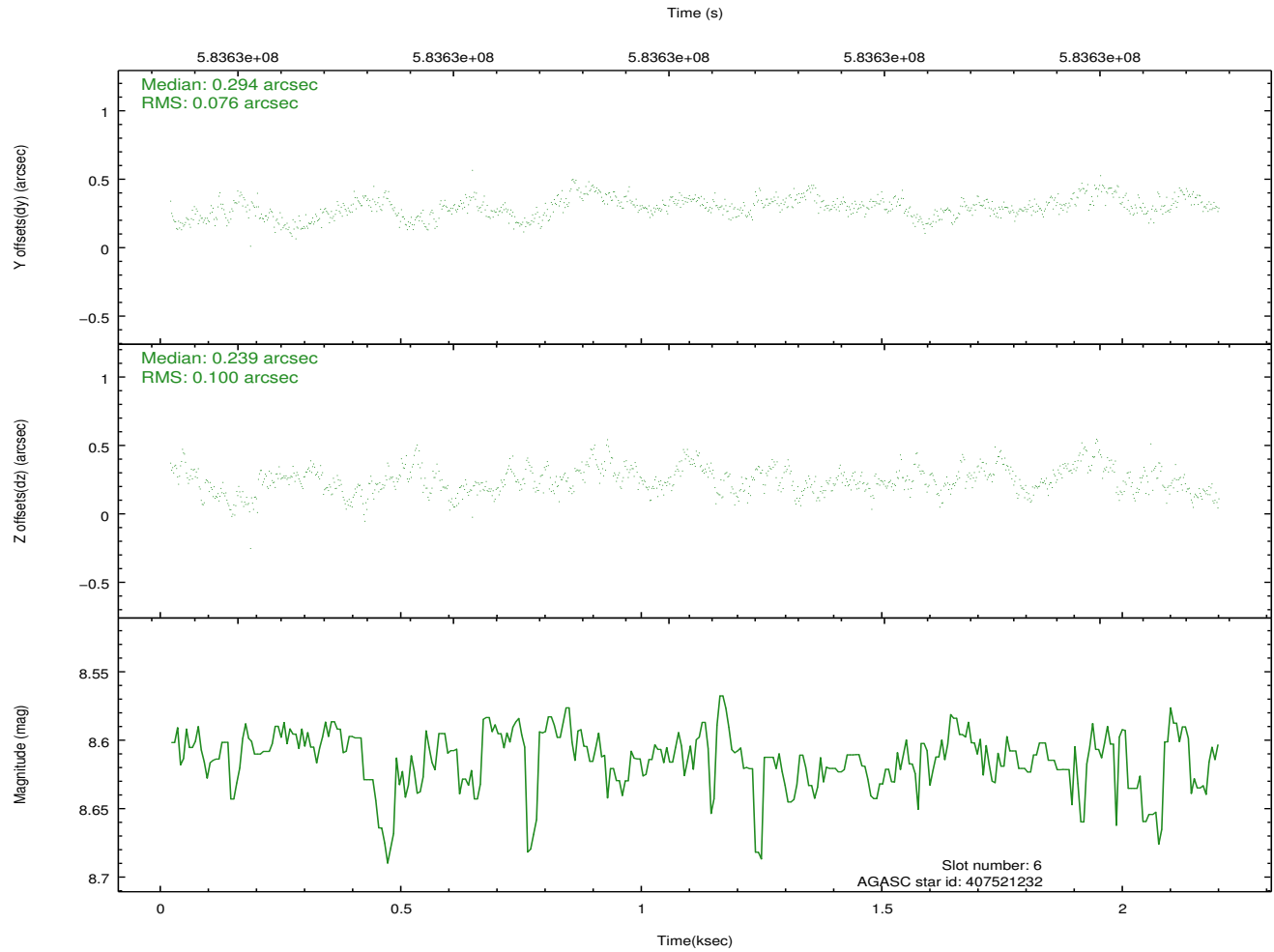
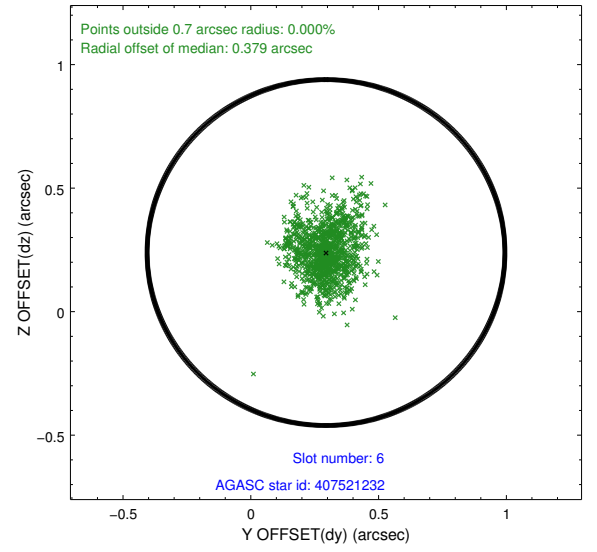
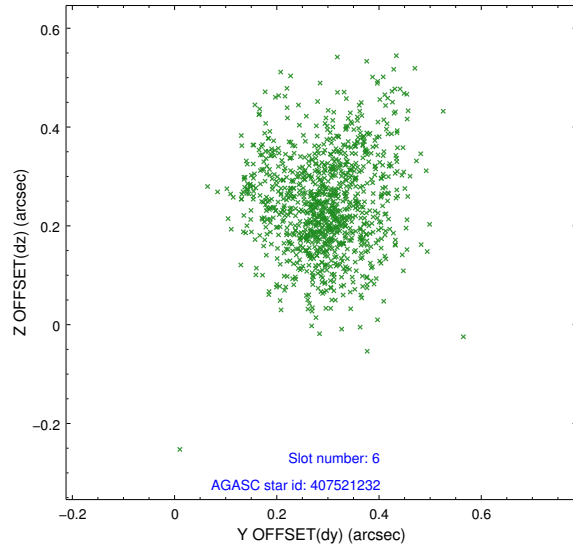
2.4.2 Slot 4



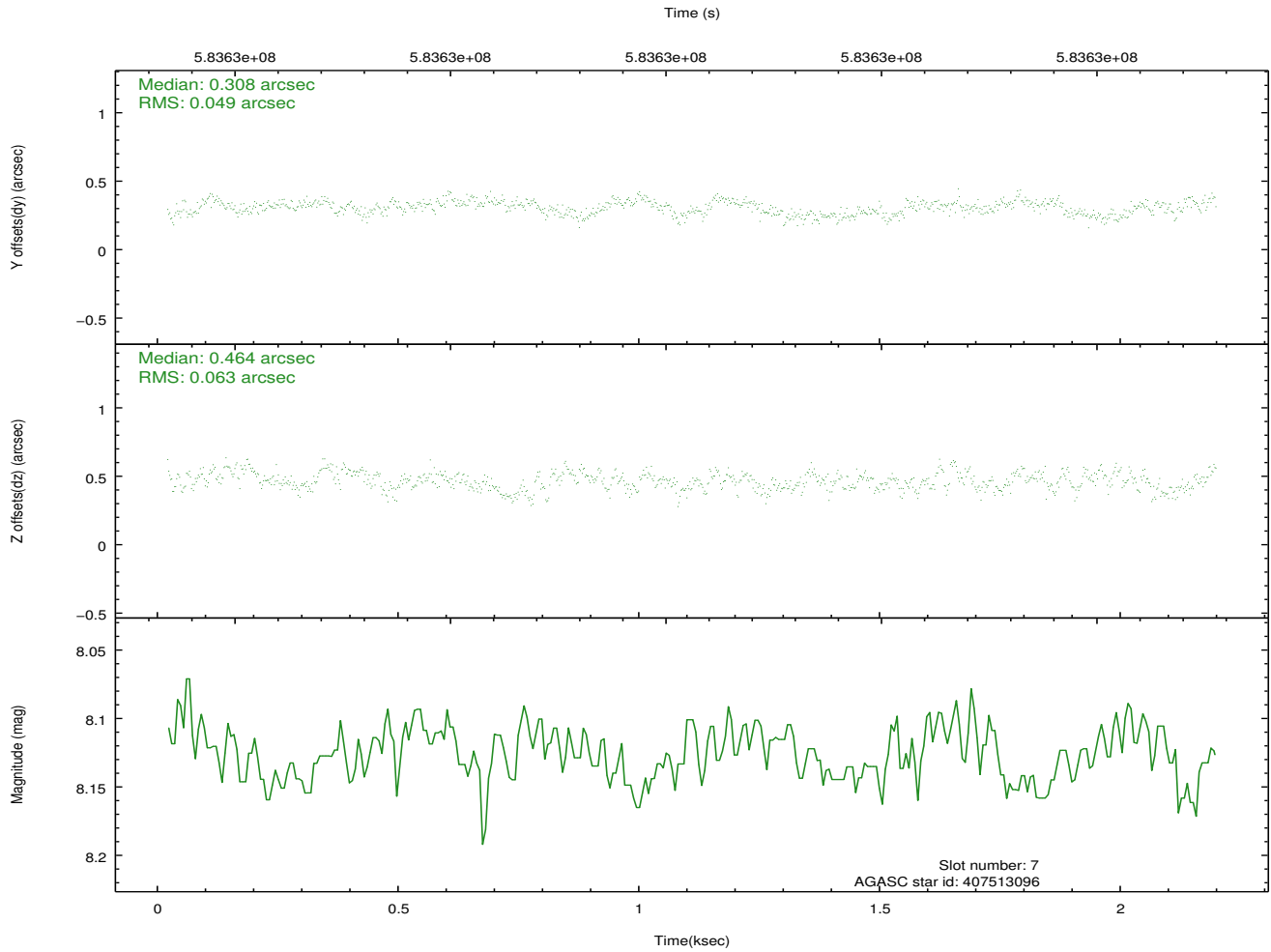
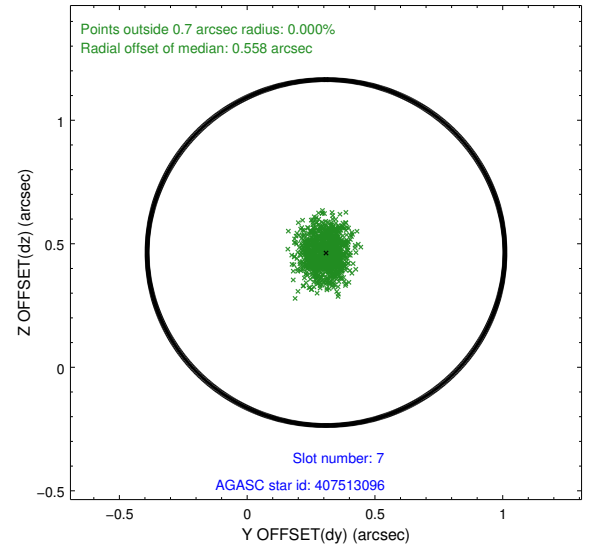
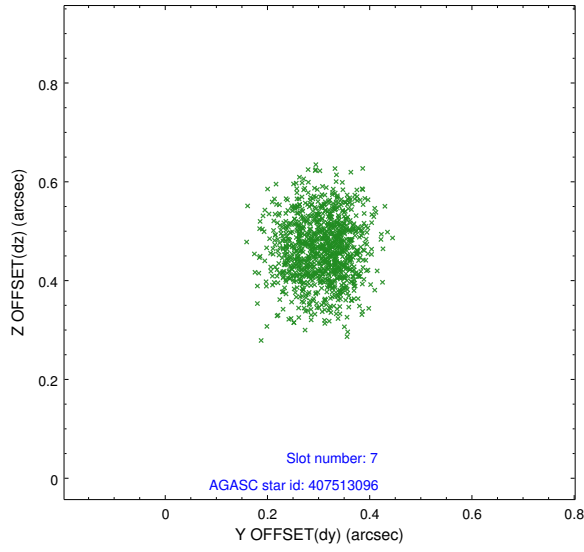
2.4.3 Slot 5



2.4.4 Slot 6

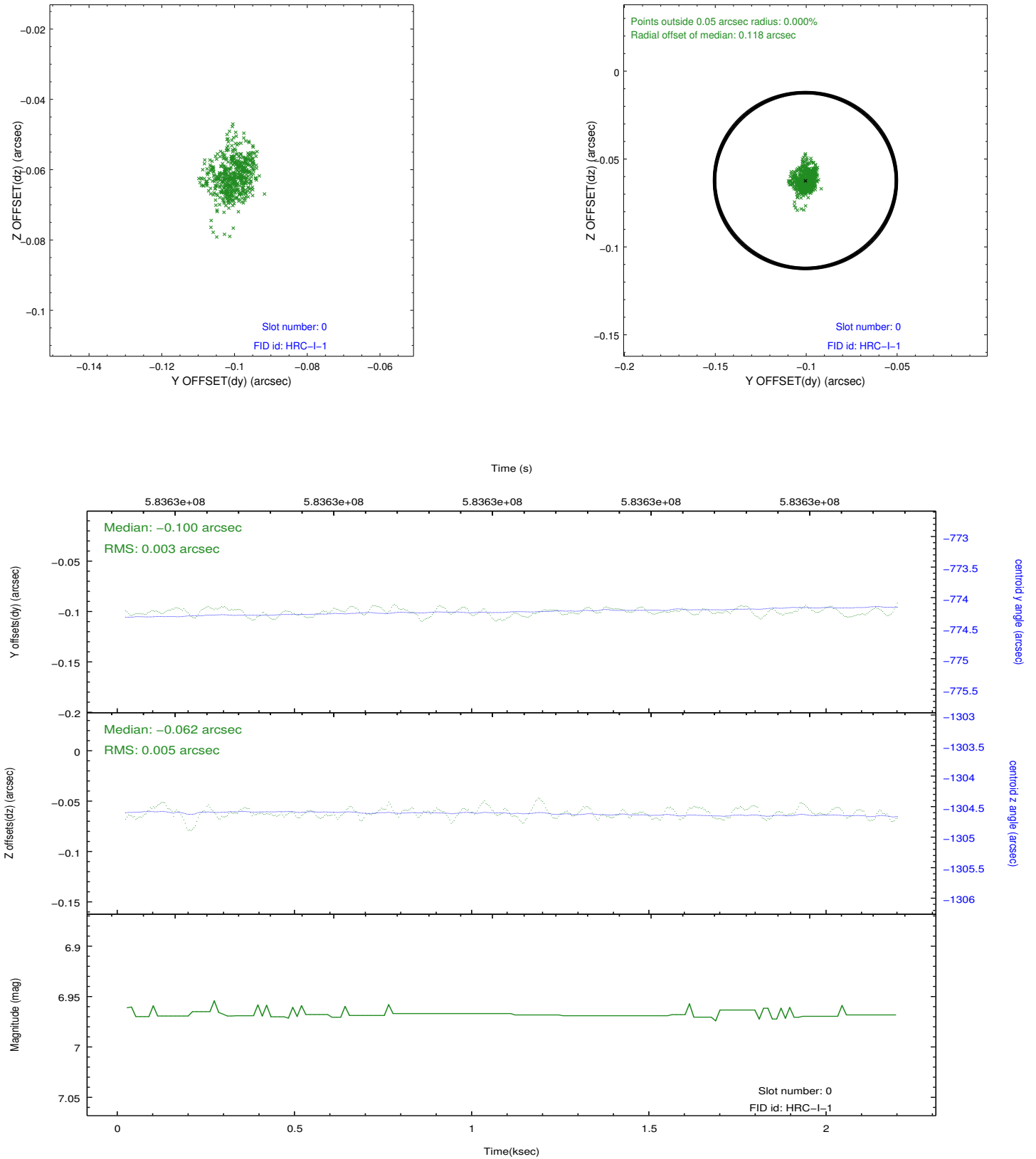


2.4.5 Slot 7

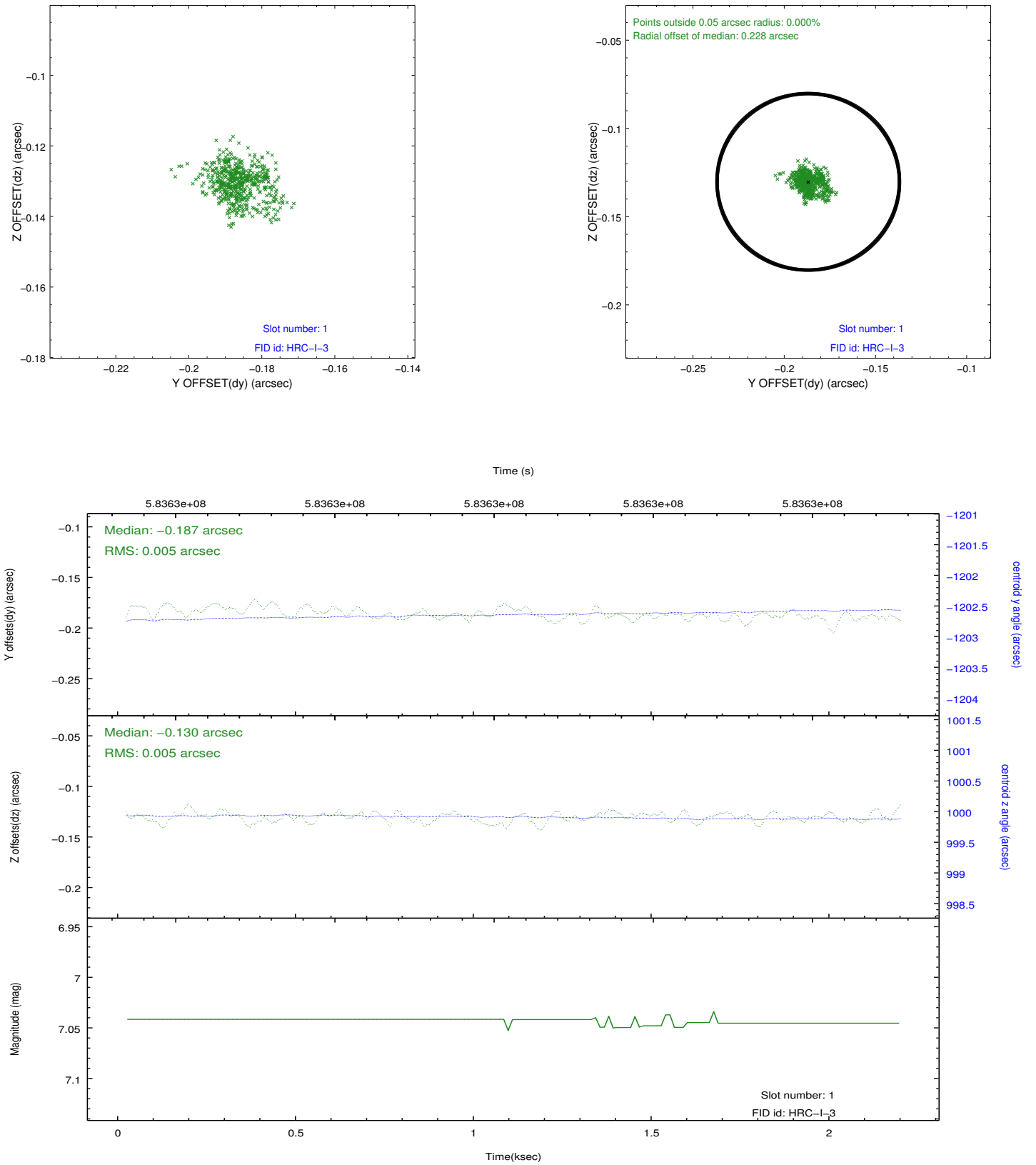


2.5 FID Slots

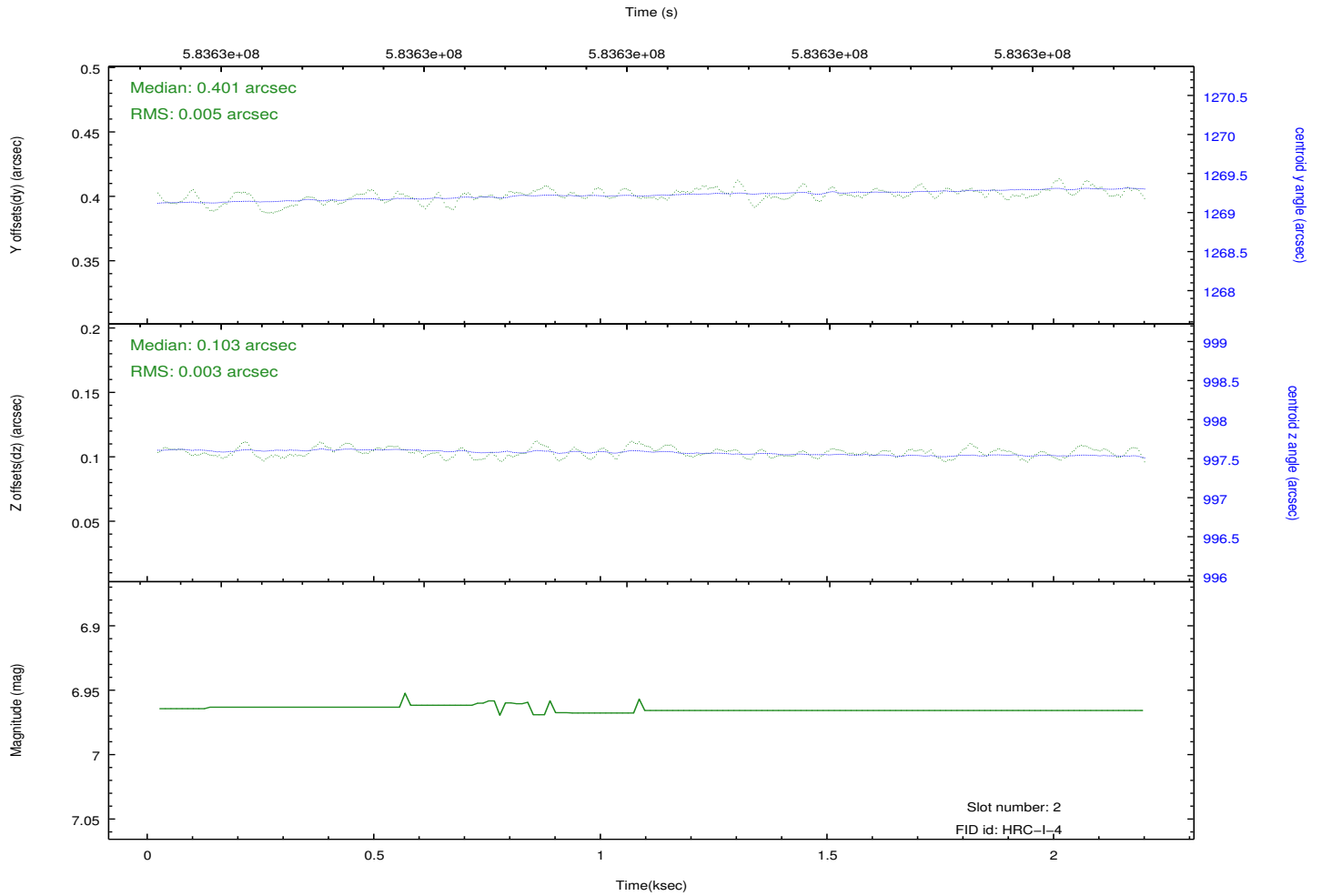
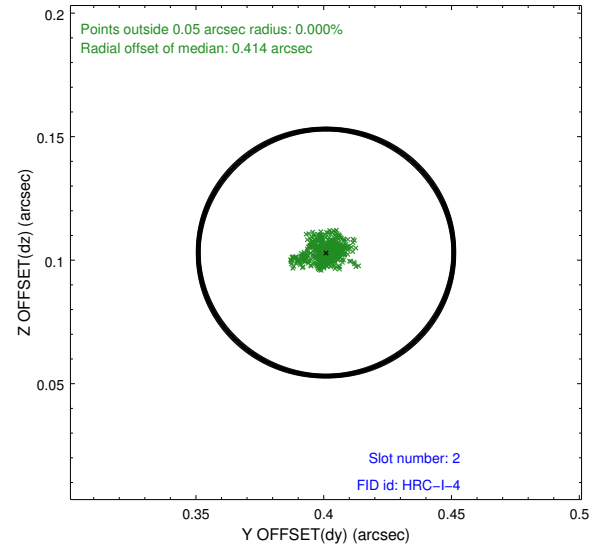
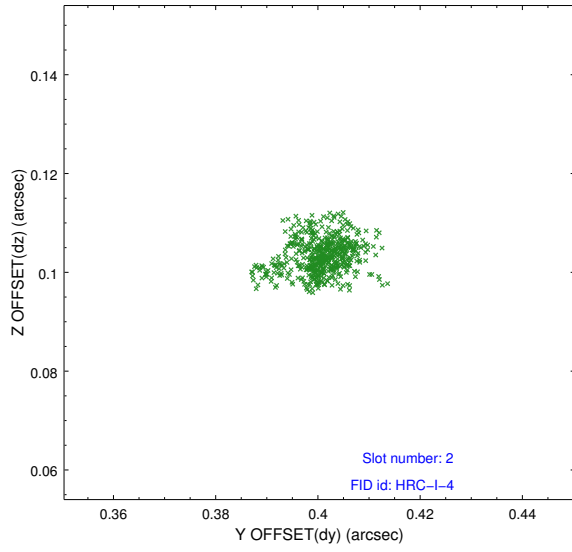
2.5.1 Slot 0



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)	2016.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1781251248121

A.2 Comments

Window constraint met.