

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18412 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 11 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

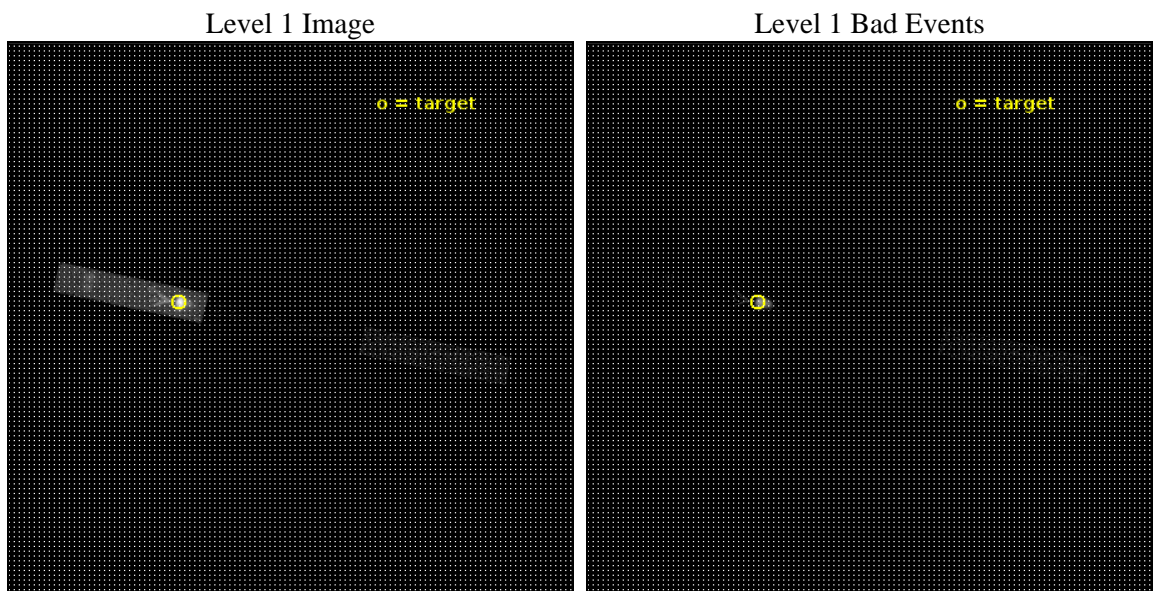
seq_num	291307	Sequence number
obs_id	18412	Observation id
title	AO-17 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	278.70668258864	Nominal RA [deg]
dec_nom	38.696691825555	Nominal Dec [deg]
roll_nom	192.36146178543	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1188.2313183546	[s]
liveltime	500.36395397862	Ontime multiplied by DTCOR
l2events	212285	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	10.5	Processing system revision	ontime	1188.2313183546	[s]
caldbver	4.7.2	 	l1events	268251	Number of level 1 events
date	2016-07-11T07:29:18	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

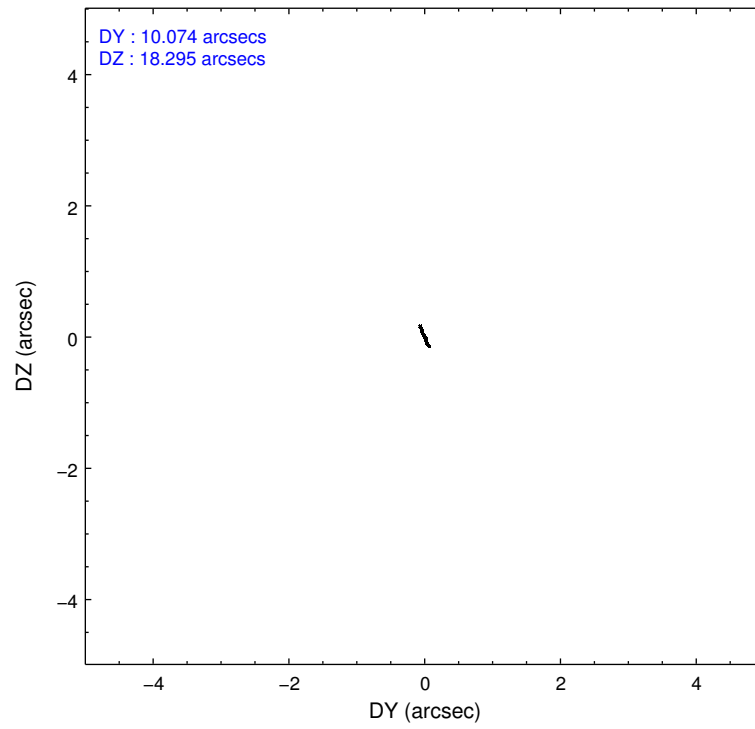
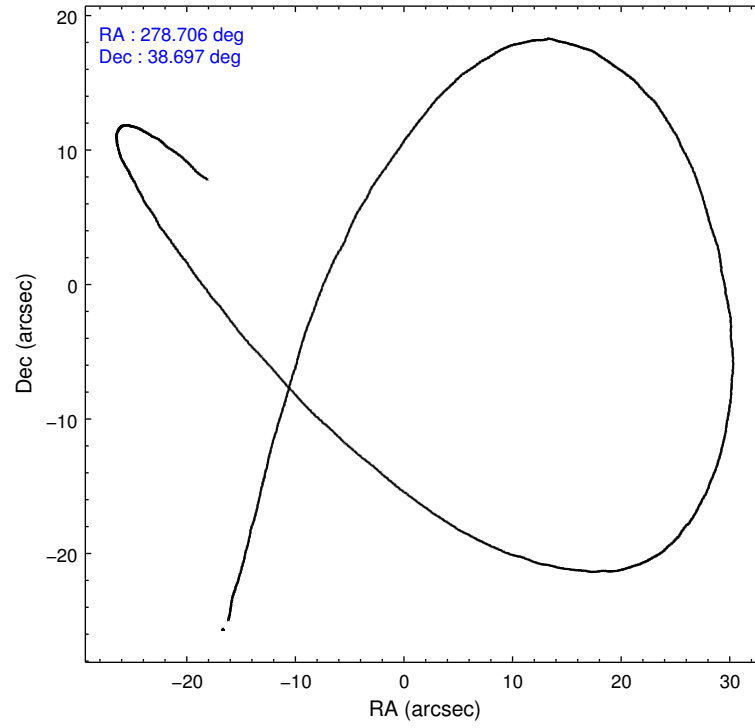
Level 1 Events

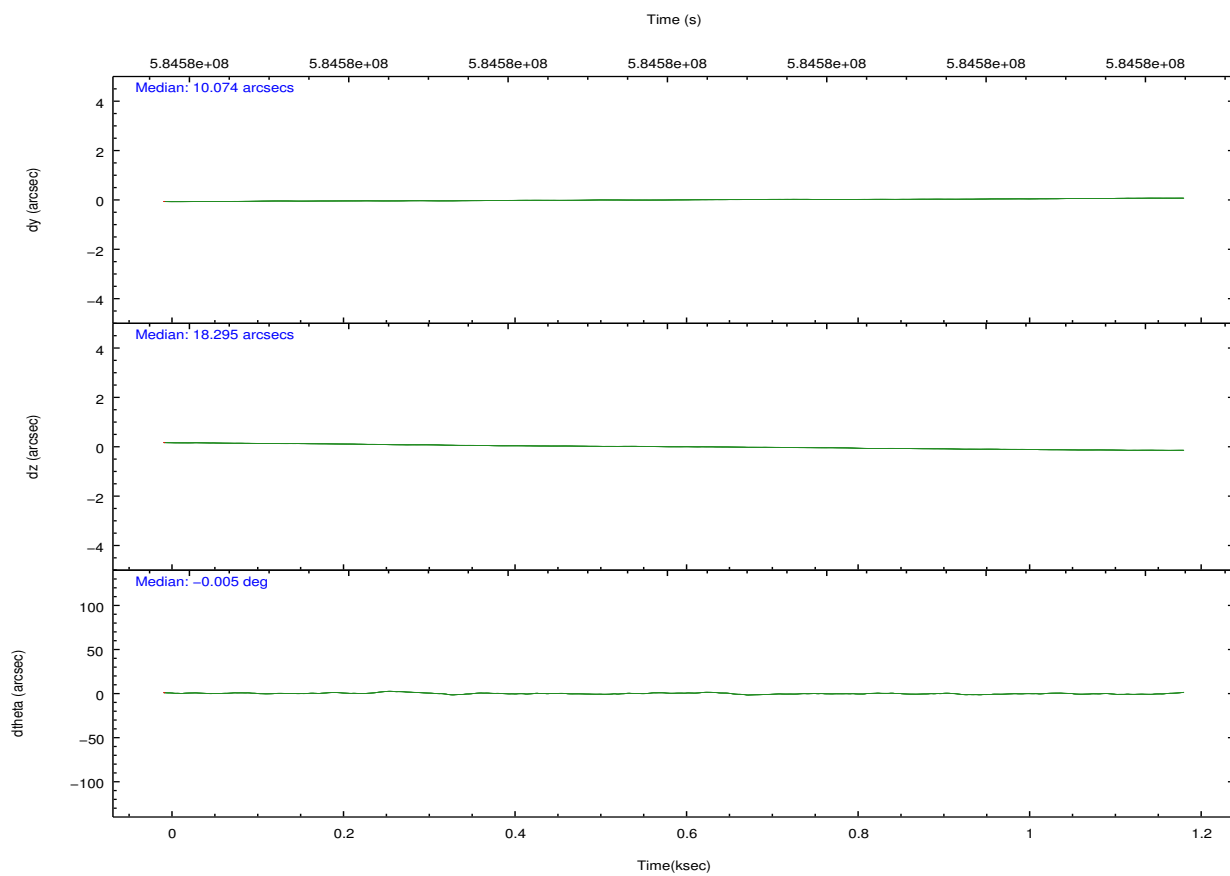
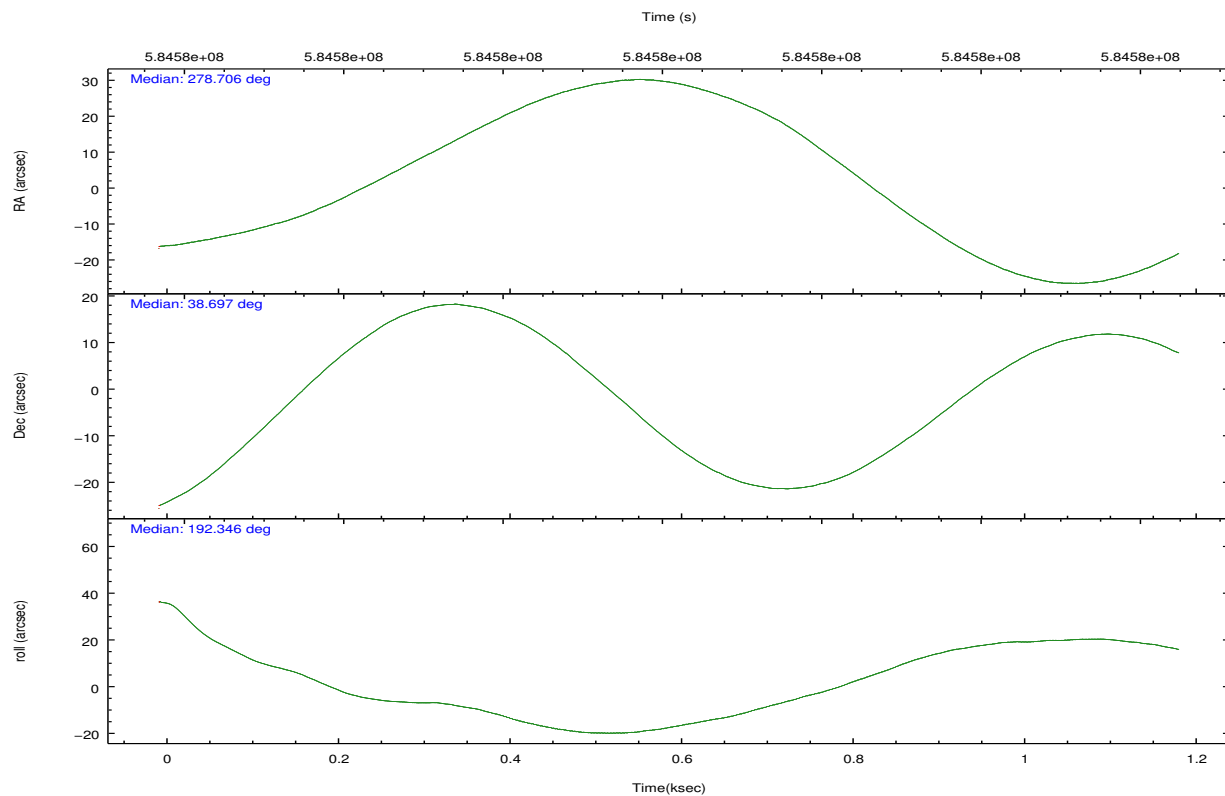
	segment 1	segment 2	segment 3
level 1 events	263285	348	4618
rejected events	44192	345	4618
rejected %	16%	99%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	278.733488	278.7066825886411			
[deg] Pointing Dec	38.716644	38.69669182555477			
[deg] Pointing Roll	192.277152	192.3614617854287			
[s] Window start time (MET)	581126468.184000	581126468.184000			
[s] Window stop time (MET)	586310468.184000	586310468.184000			
[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)	584575413.184000	584575037.7218699			
Observation start date	2016-07-10T22:02:25	2016-07-10T21:57:17			
[s] Observation end time (MET)	584576413.184000	584576548.57196			
Observation end date	2016-07-10T22:19:05	2016-07-10T22:22:28			

2.3 Aspect



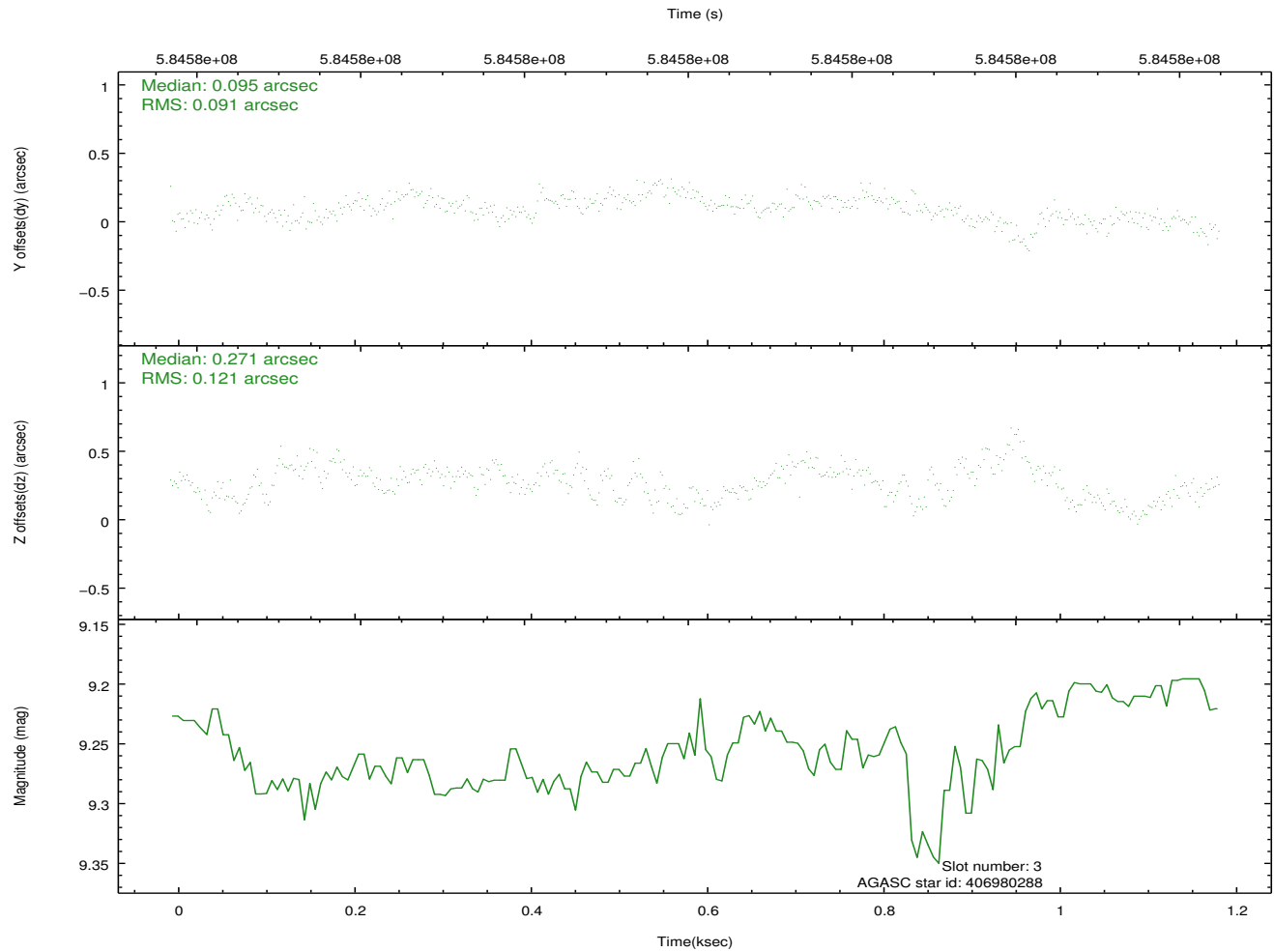
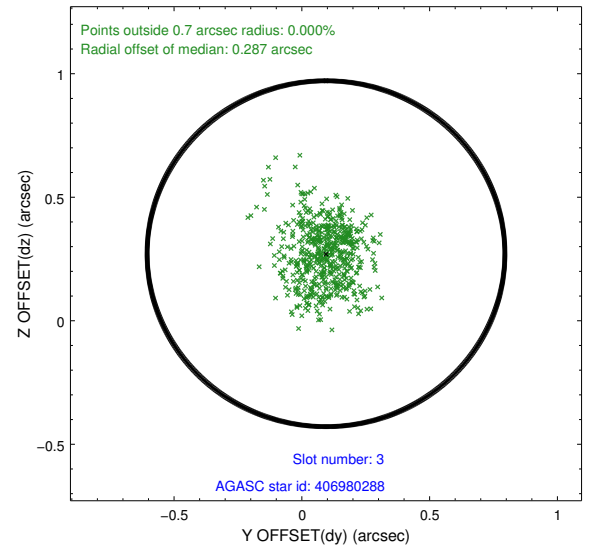
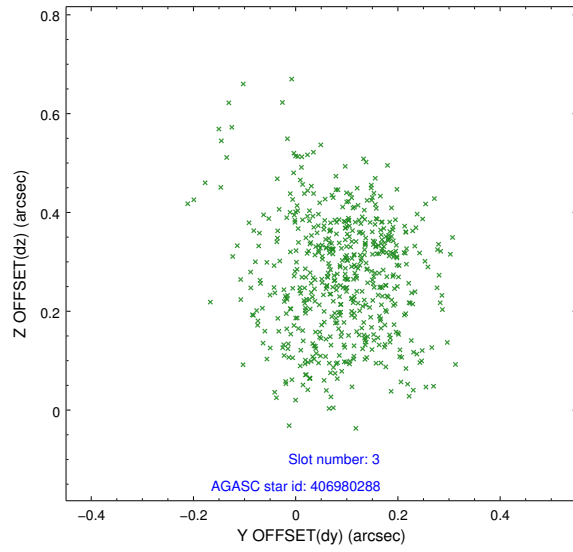


Slot Statistics

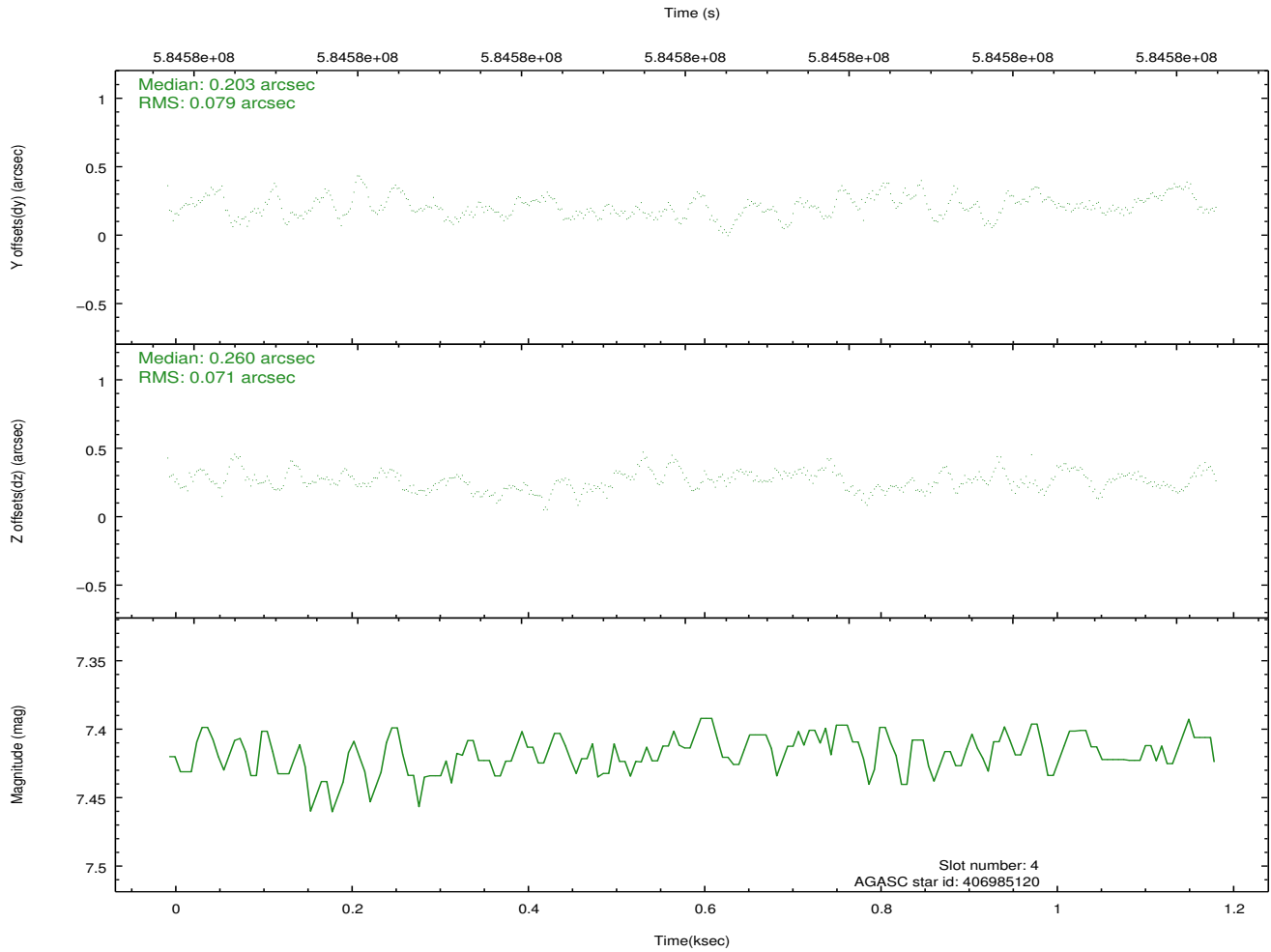
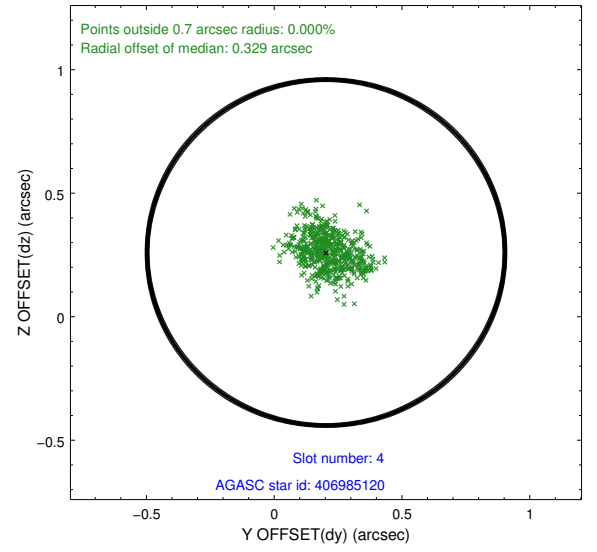
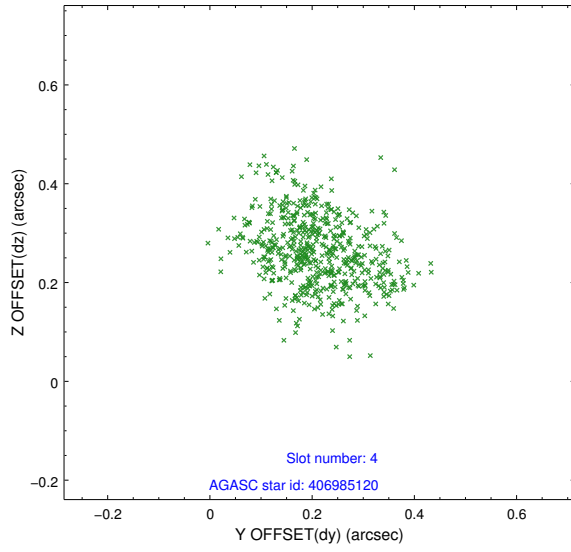
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	291	0.024	-0.188	0.008	0.013	0.000000	0.000000	-1164.35	-467.29
1	FID		HRC-S-2	7.06	291	0.292	-0.124	0.004	0.007	0.000000	0.000000	1231.57	-461.39
2	FID		HRC-S-3	7.08	291	0.073	0.010	0.008	0.013	0.000000	0.000000	-1162.83	560.84
3	GUIDE	used	406980288	9.26	580	0.095	0.271	0.160	0.267	278.903147	39.061646	-731.69	-1114.13
4	GUIDE	used	406985120	7.42	581	0.203	0.260	0.112	0.184	278.839732	38.894839	-429.29	-563.13
5	GUIDE	used	406987272	6.90	581	-0.252	-0.197	0.083	0.130	278.536588	38.437504	754.11	863.70
6	GUIDE	used	406989616	8.21	581	0.083	0.082	0.099	0.158	279.202881	38.520843	-1142.60	970.21
7	GUIDE	used	406987384	8.93	578	-0.137	-0.422	0.136	0.224	278.815518	38.115336	229.53	2168.20

2.4 Star Slots

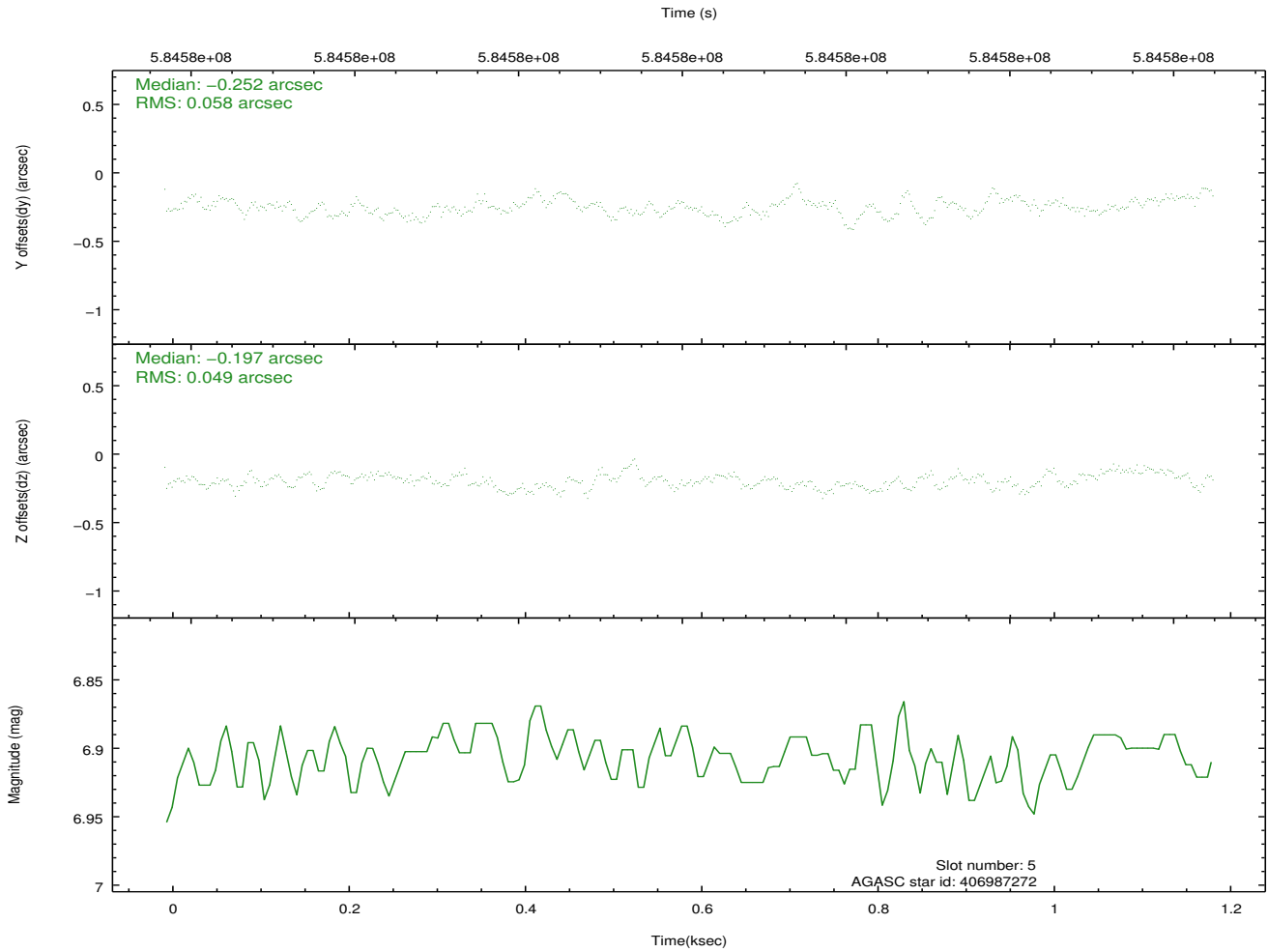
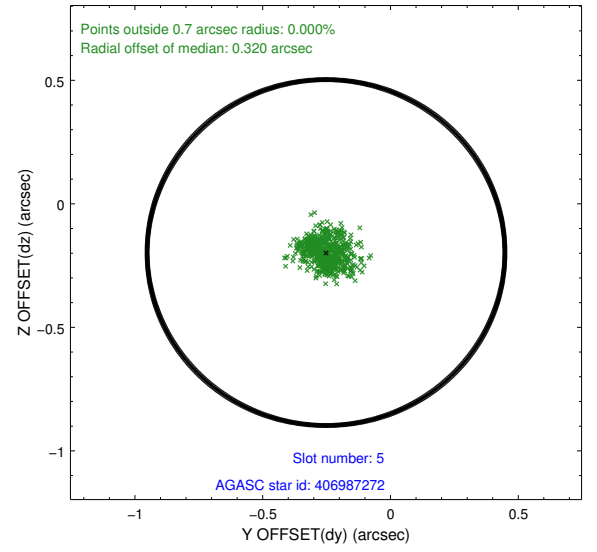
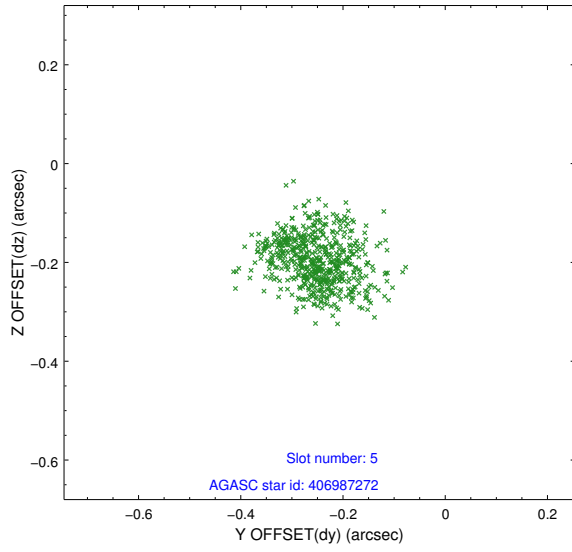
2.4.1 Slot 3



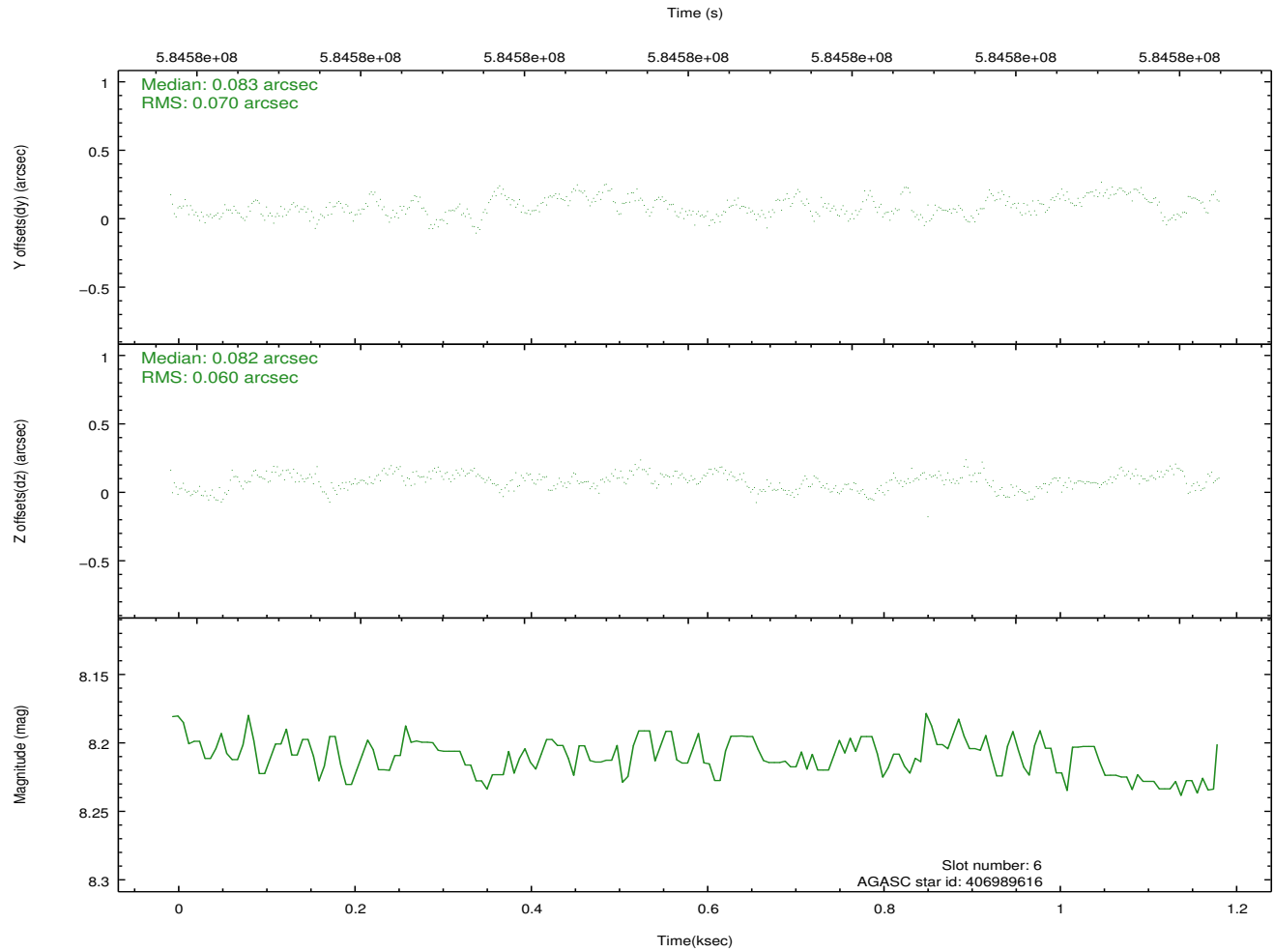
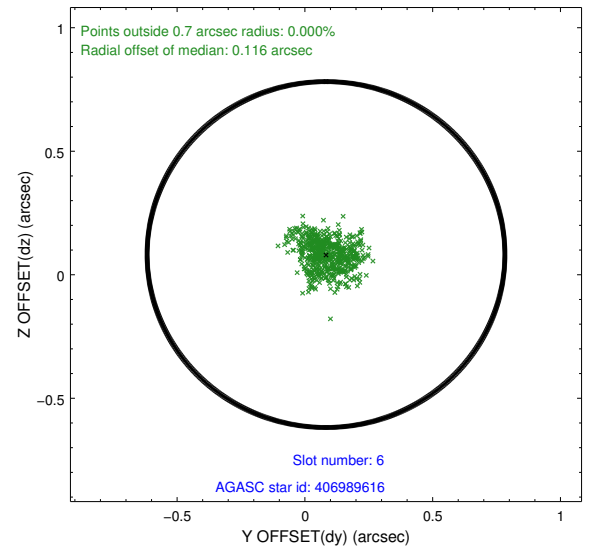
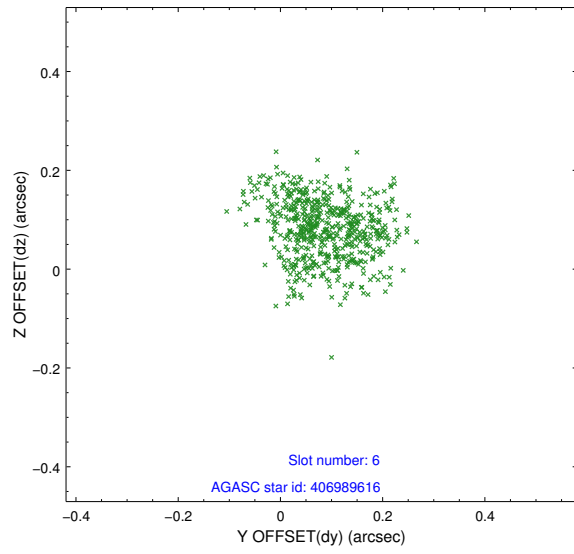
2.4.2 Slot 4



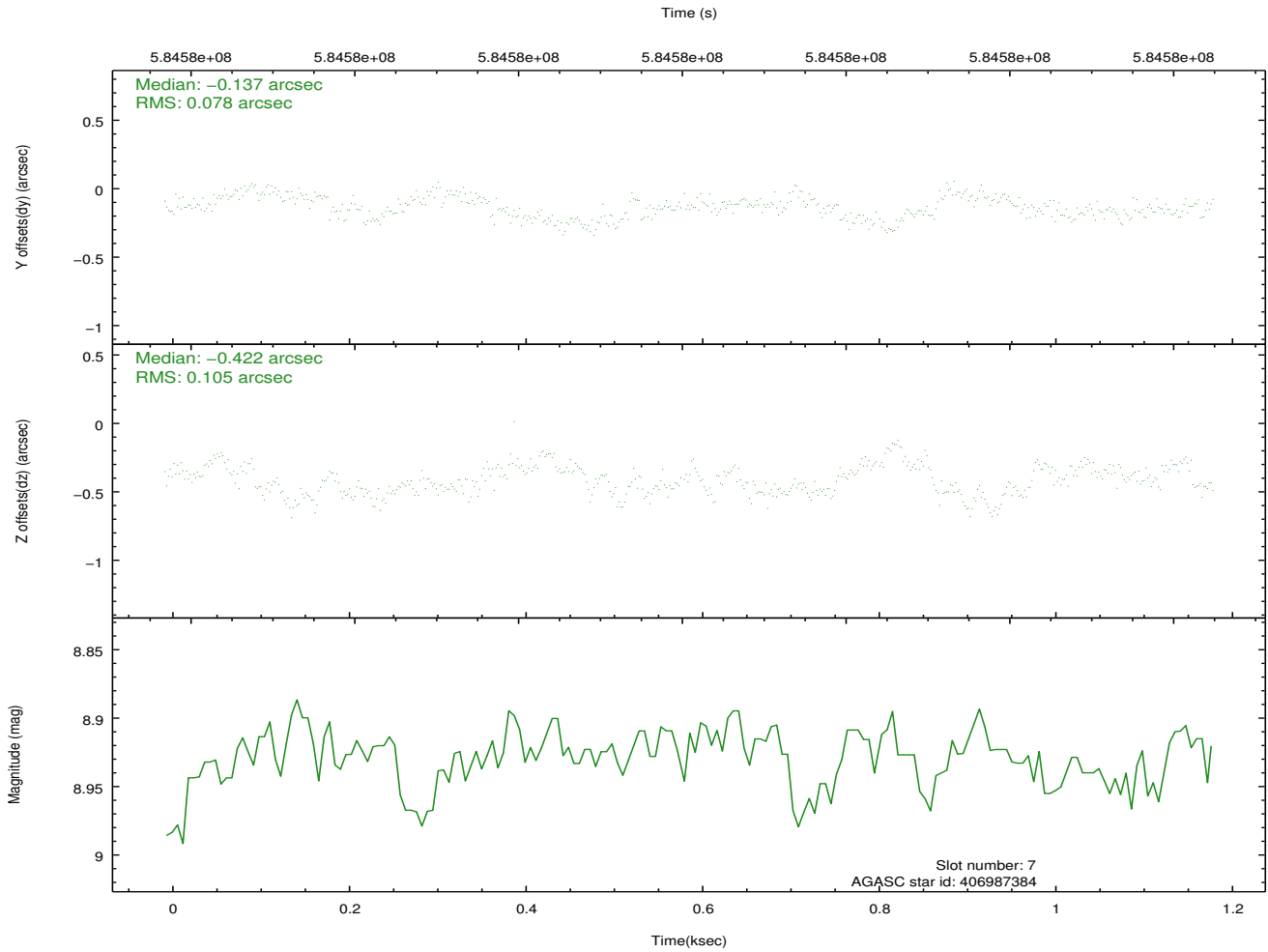
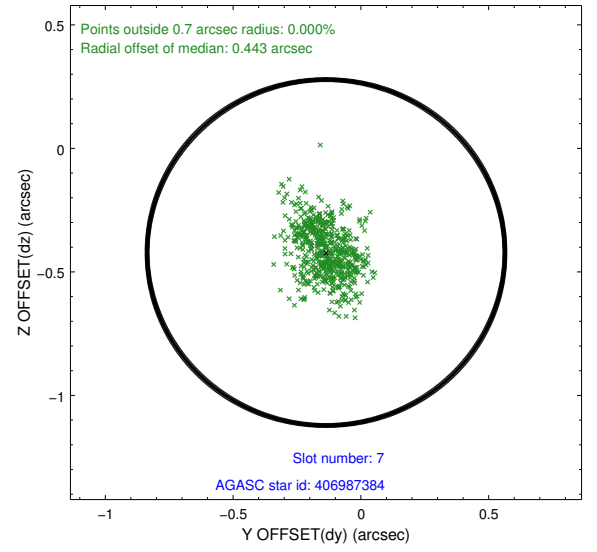
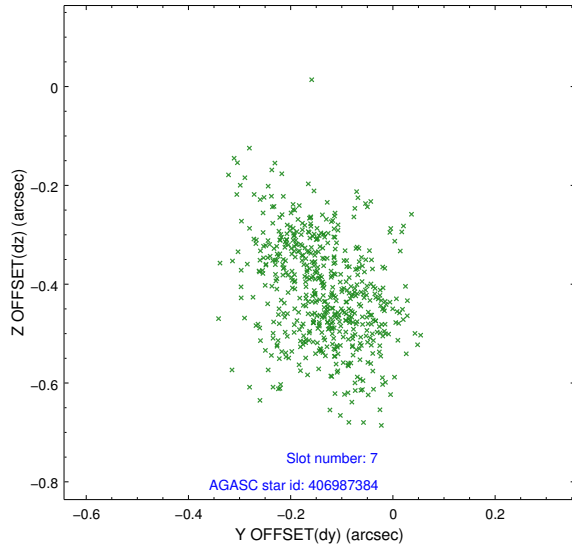
2.4.3 Slot 5



2.4.4 Slot 6

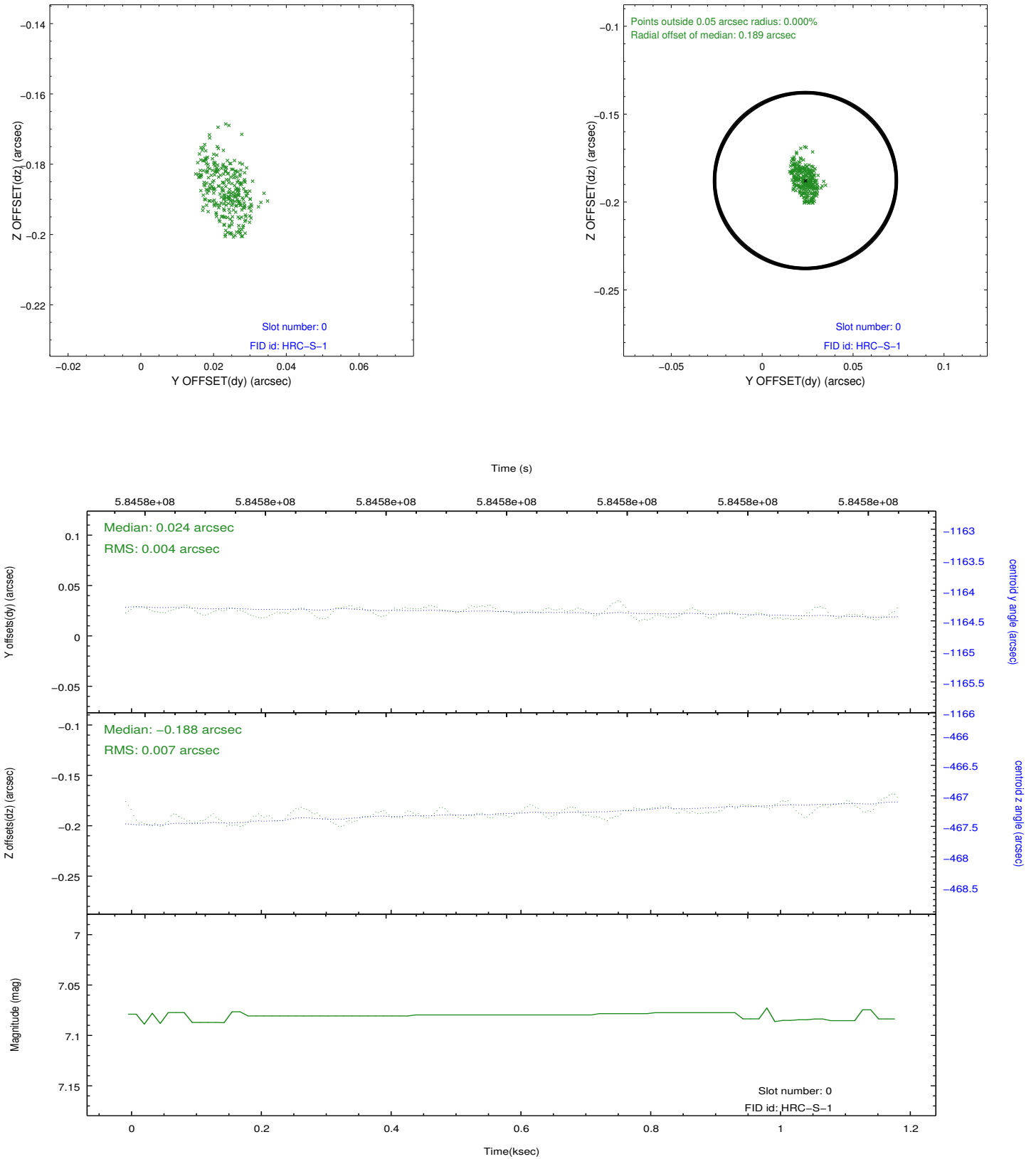


2.4.5 Slot 7

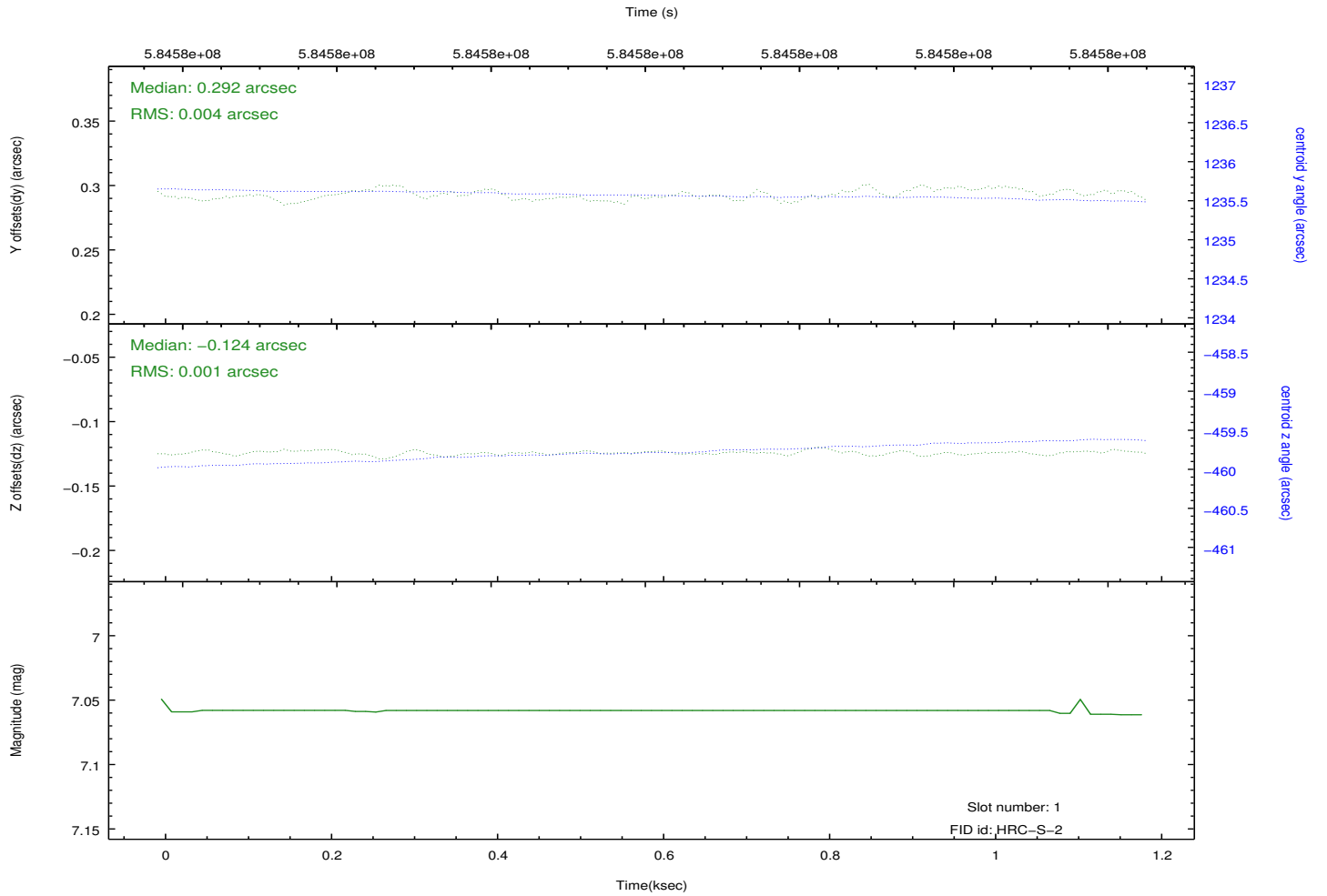
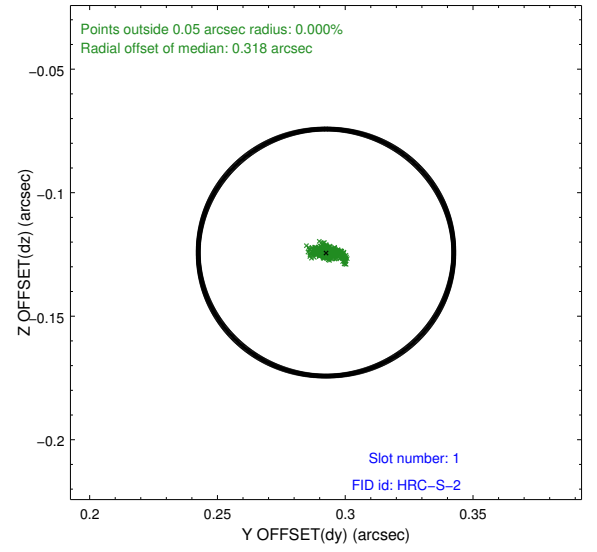
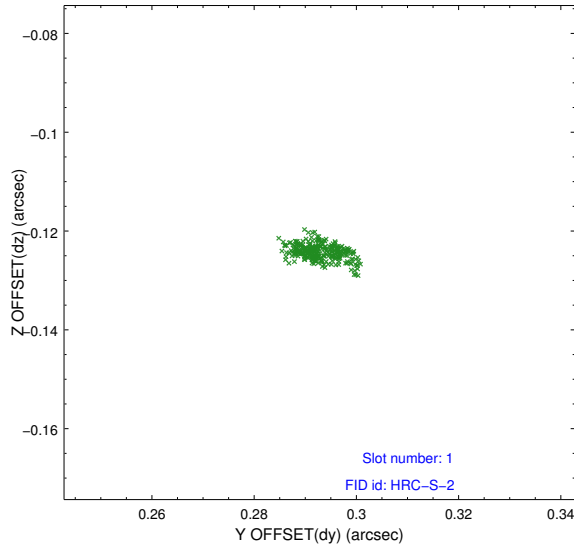


2.5 FID Slots

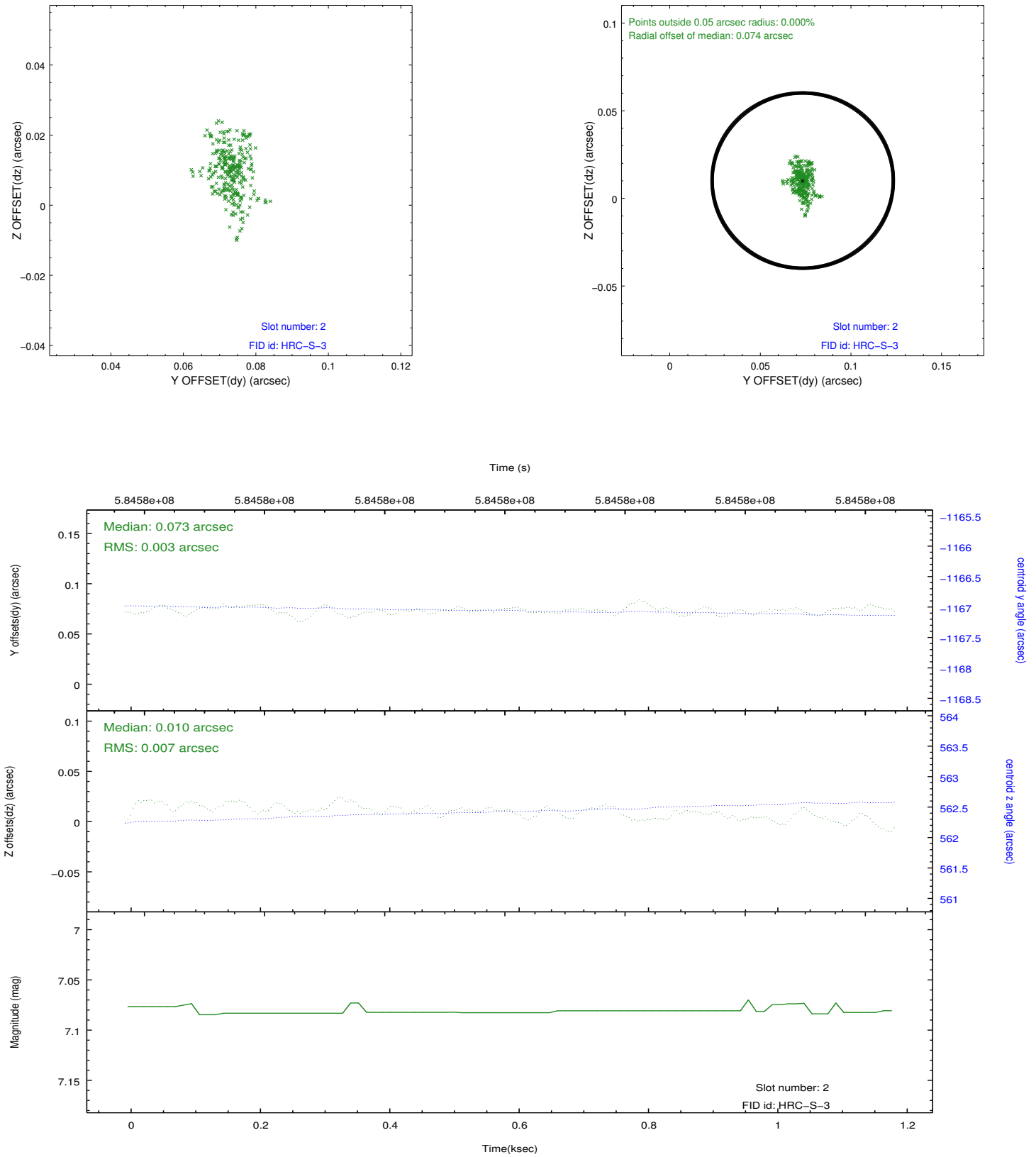
2.5.1 Slot 0



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)	2016.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313183546

A.2 Comments