

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19841 - L2 Version 1
Chandra X-Ray Center

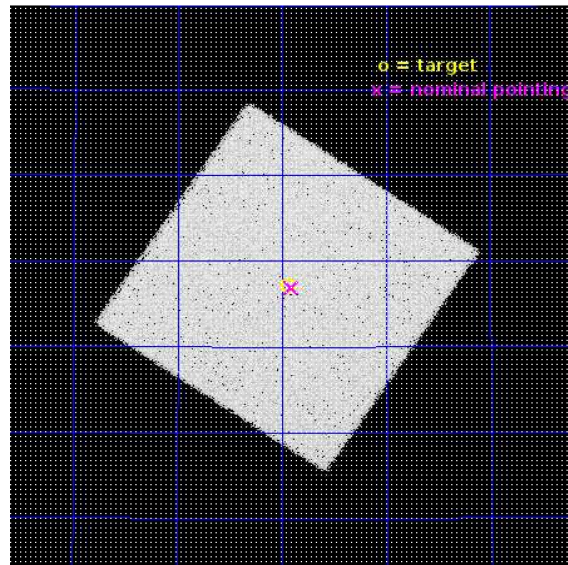
L2 Processing Date : Jun 20 2017

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

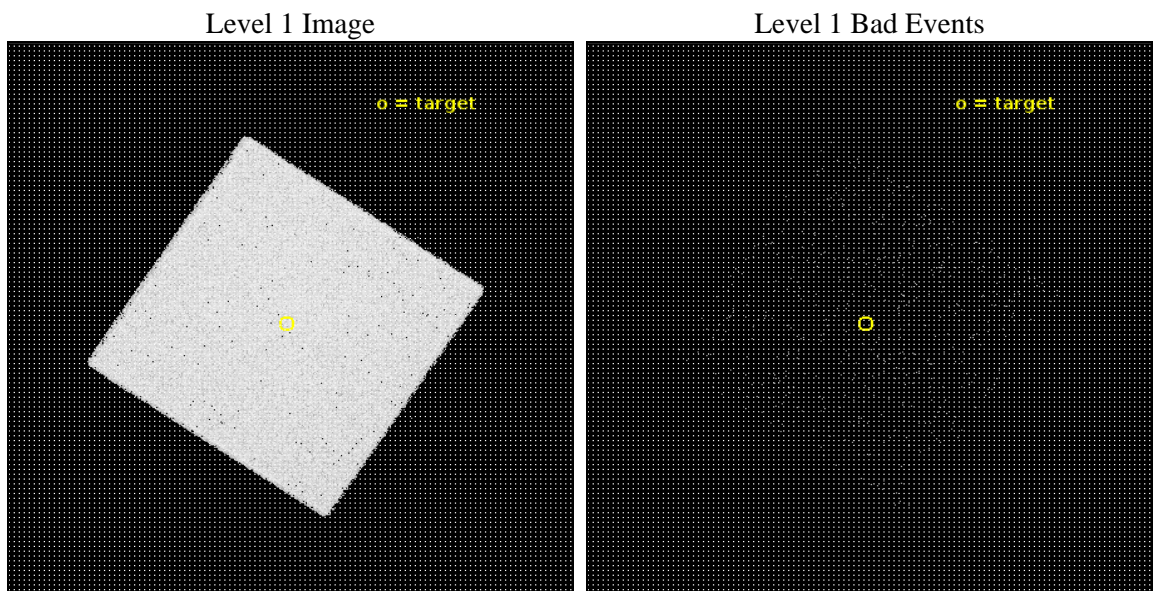
seq_num	291358	Sequence number
obs_id	19841	Observation id
title	AO-18 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.22756770224	Nominal RA [deg]
dec_nom	38.781702787857	Nominal Dec [deg]
roll_nom	168.77996524471	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2127.1313740015	[s]
livetime	2099.8224641115	Ontime multiplied by DTCOR
l2events	230486	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	10.6	Processing system revision	ontime	2127.1313740015	[s]
caldbver	4.7.5	 	l1events	325651	Number of level 1 events
date	2017-06-20T05:47:20	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

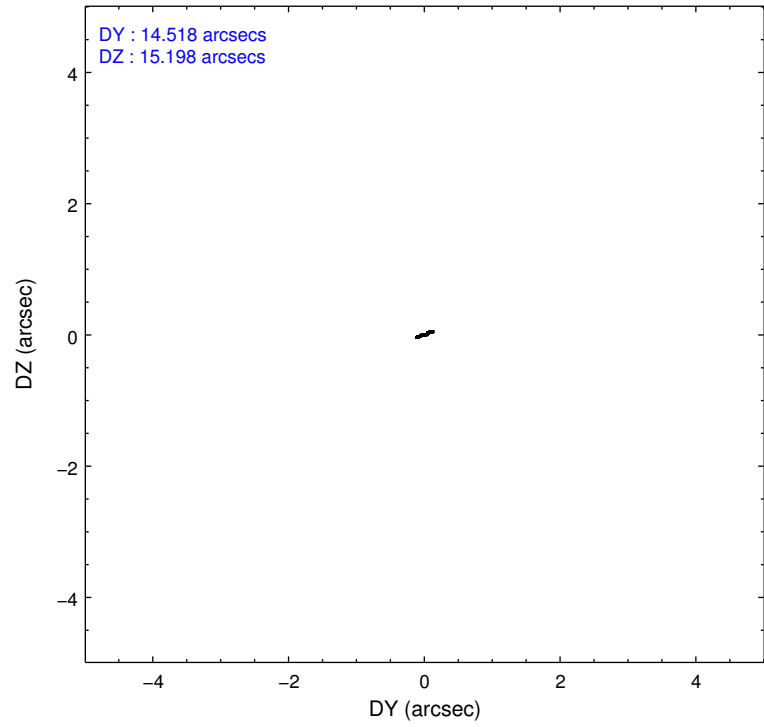
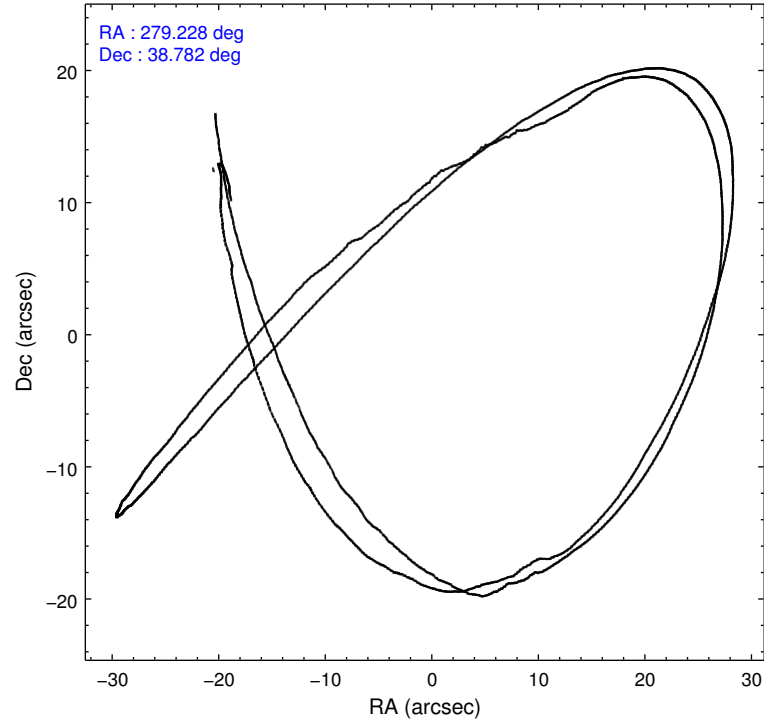
Level 1 Events

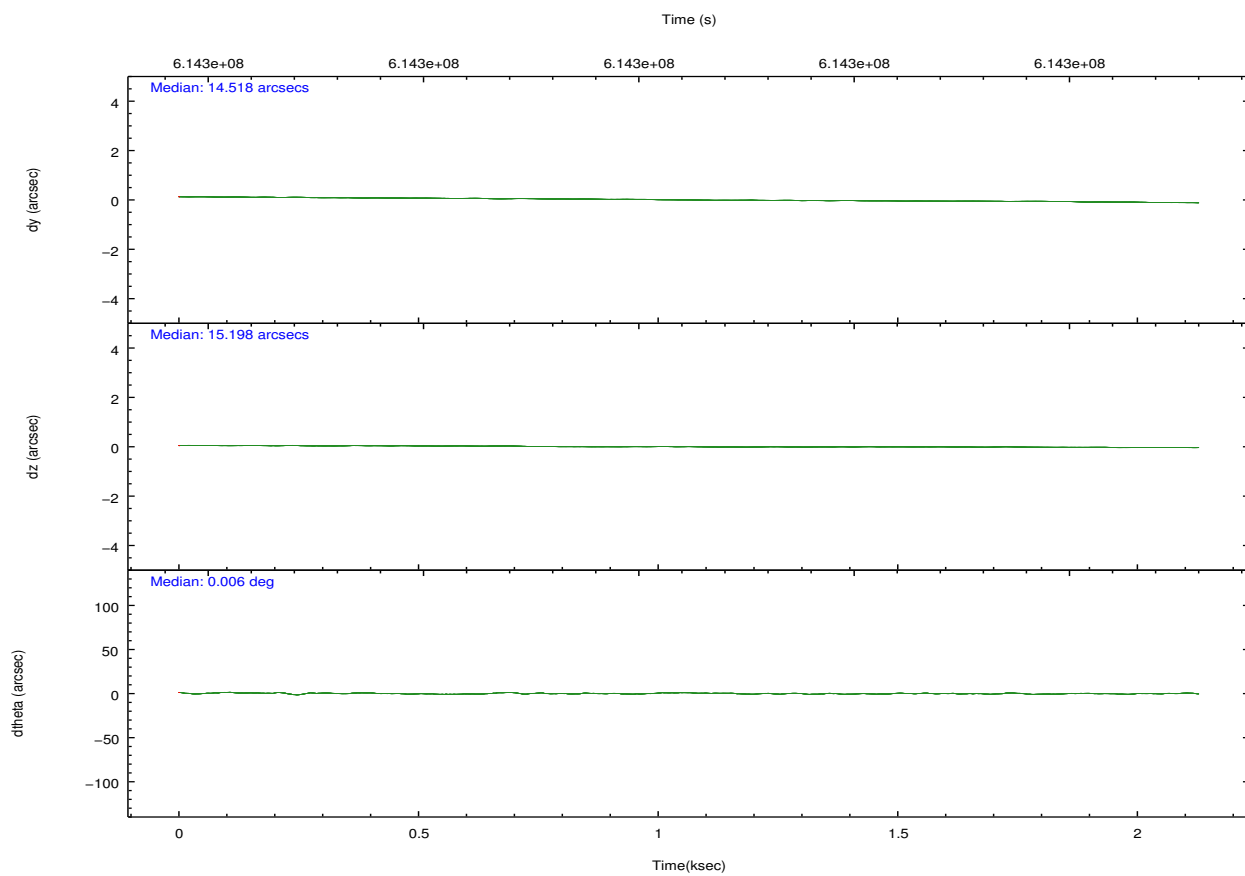
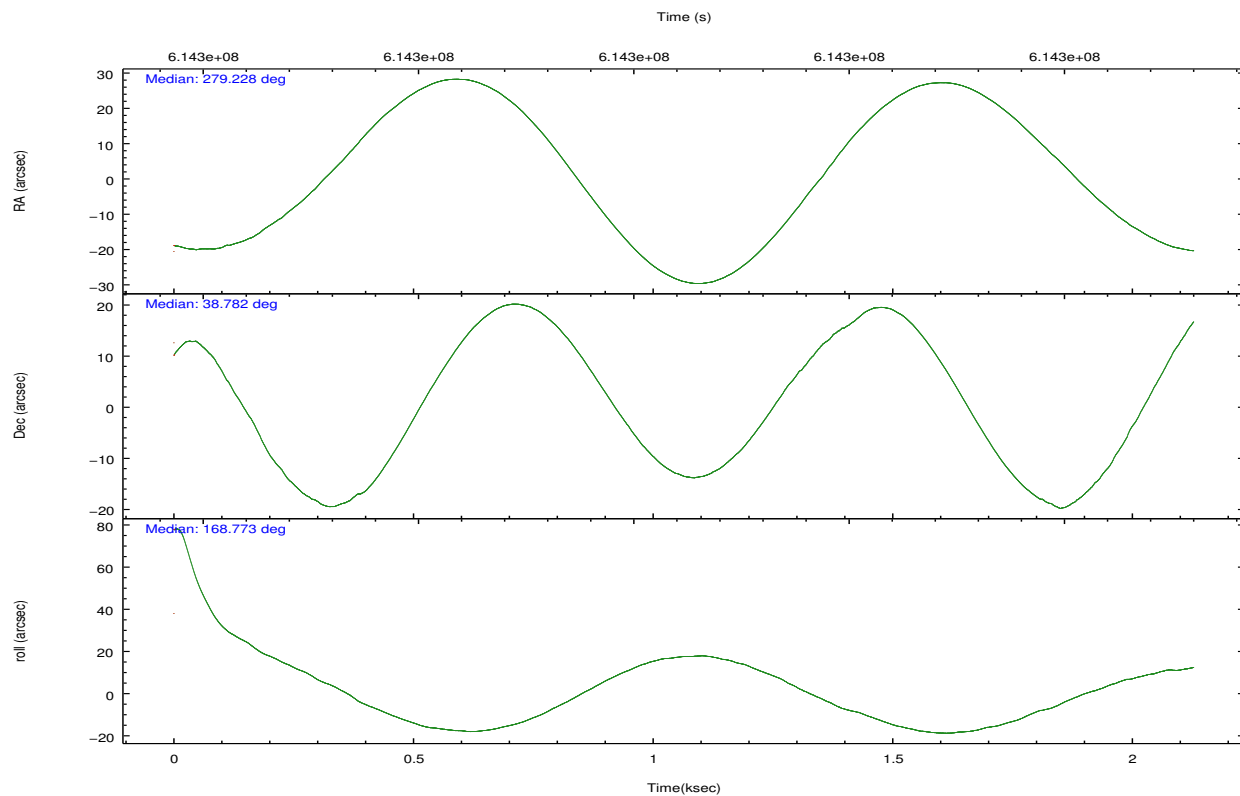
	segment 0
level 1 events	325651
rejected events	19480
rejected %	5%

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	279.260448	279.2275677022432			
[deg] Pointing Dec	38.791540	38.78170278785687			
[deg] Pointing Roll	168.854559	168.7799652447118			
[s] Window start time (MET)	612662469.184000	612662469.184000			
[s] Window stop time (MET)	617846469.184000	617846469.184000			
[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)	614298688.184000	614297834.66554			
Observation start date	2017-06-19T22:30:19	2017-06-19T22:17:14			
[s] Observation end time (MET)	614300688.184000	614302073.04079			
Observation end date	2017-06-19T23:03:39	2017-06-19T23:27:53			

2.3 Aspect



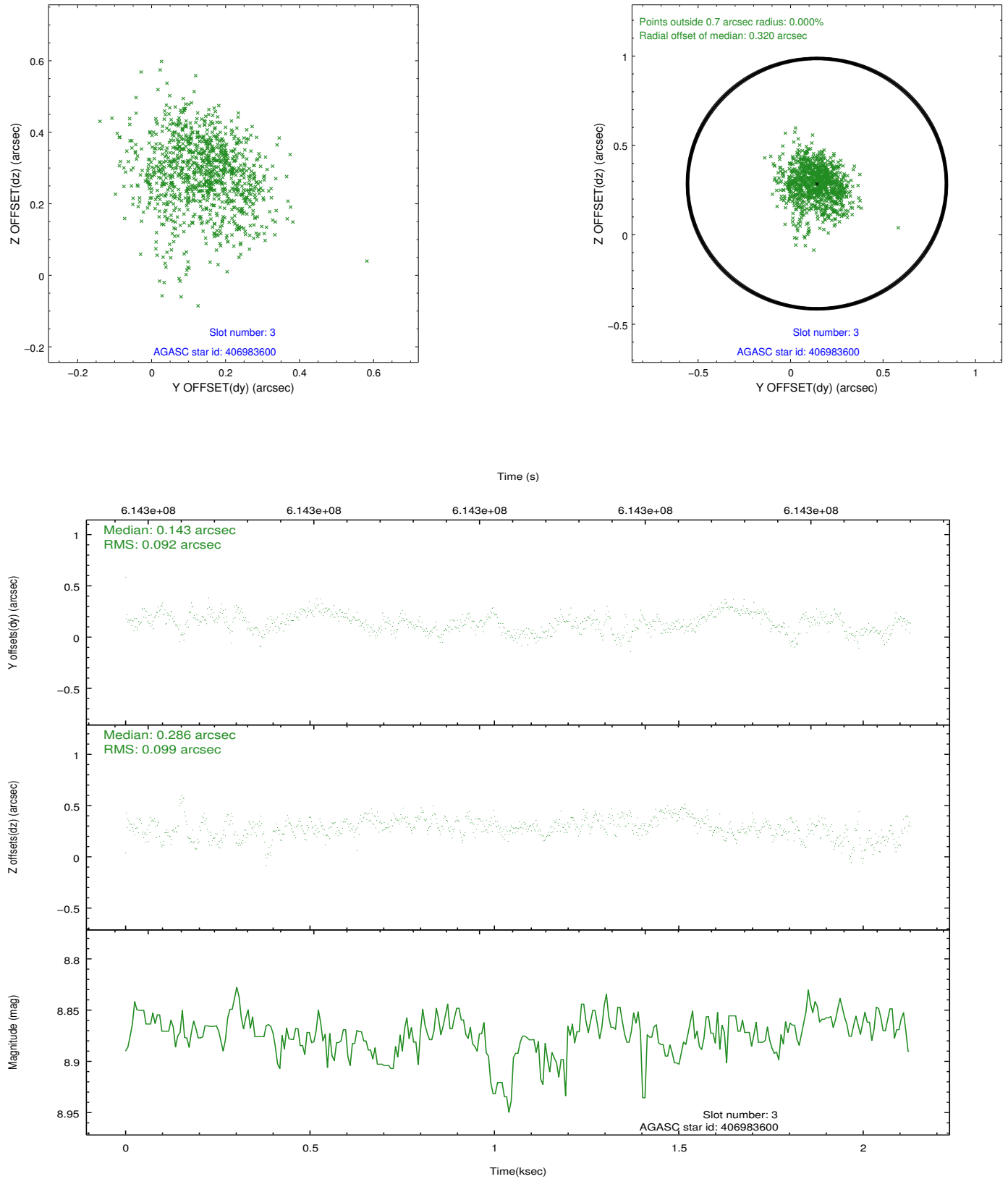


Slot Statistics

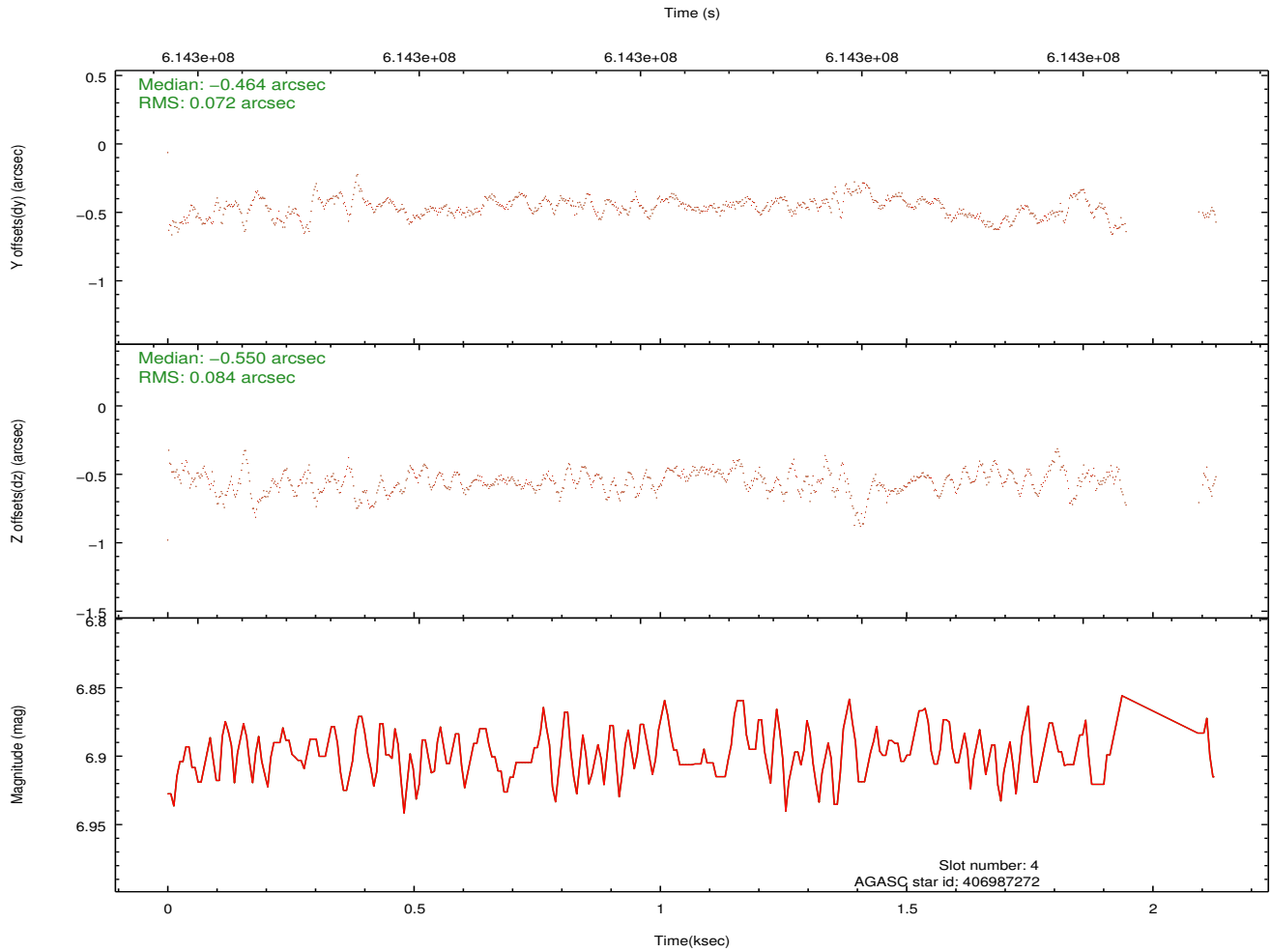
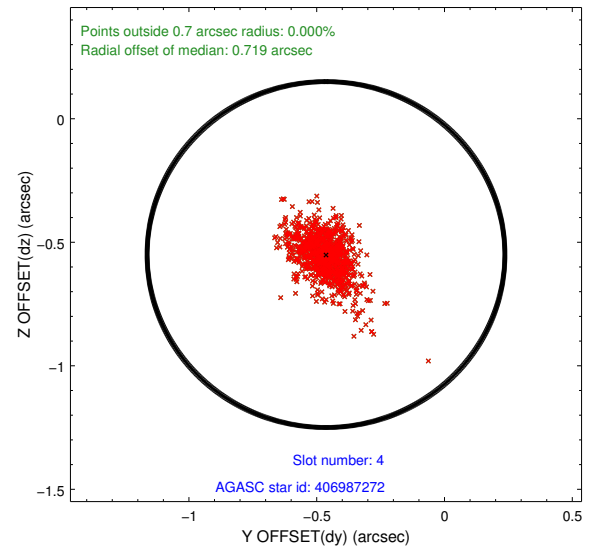
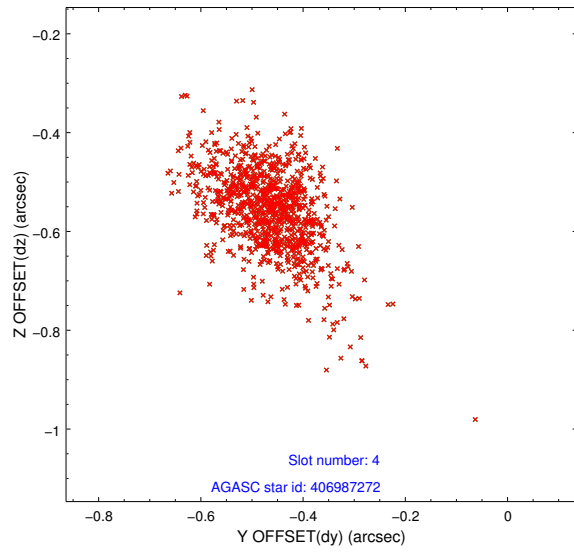
lot	status	used	id	mag	n_pts	med_dy	med_dz	drl	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	6.97	520	-0.214	-0.022	0.008	0.012	0.000000	0.000000	-770.46	-1303.35
1	FID		HRC-I-2	7.02	520	0.339	-0.084	0.007	0.011	0.000000	0.000000	841.24	-1307.47
2	FID		HRC-I-3	7.07	520	-0.006	0.016	0.007	0.014	0.000000	0.000000	-1197.24	998.77
3	GUIDE	used	406983600	8.87	1039	0.143	0.286	0.143	0.236	279.940957	39.020708	-1707.37	-1184.35
4	BAD	used	406987272	6.90	964	-0.464	-0.550	0.108	0.197	278.536588	38.437504	1757.72	1633.77
5	GUIDE	used	406989616	8.21	1037	-0.009	-0.250	0.133	0.252	279.202881	38.520843	-26.92	987.45
6	GUIDE	used	407510432	8.13	1039	0.175	0.012	0.142	0.266	278.762778	39.530640	1872.16	-2347.33
7	GUIDE	used	407521232	8.61	1038	0.140	0.475	0.135	0.238	279.628883	39.431715	-556.26	-2464.36

2.4 Star Slots

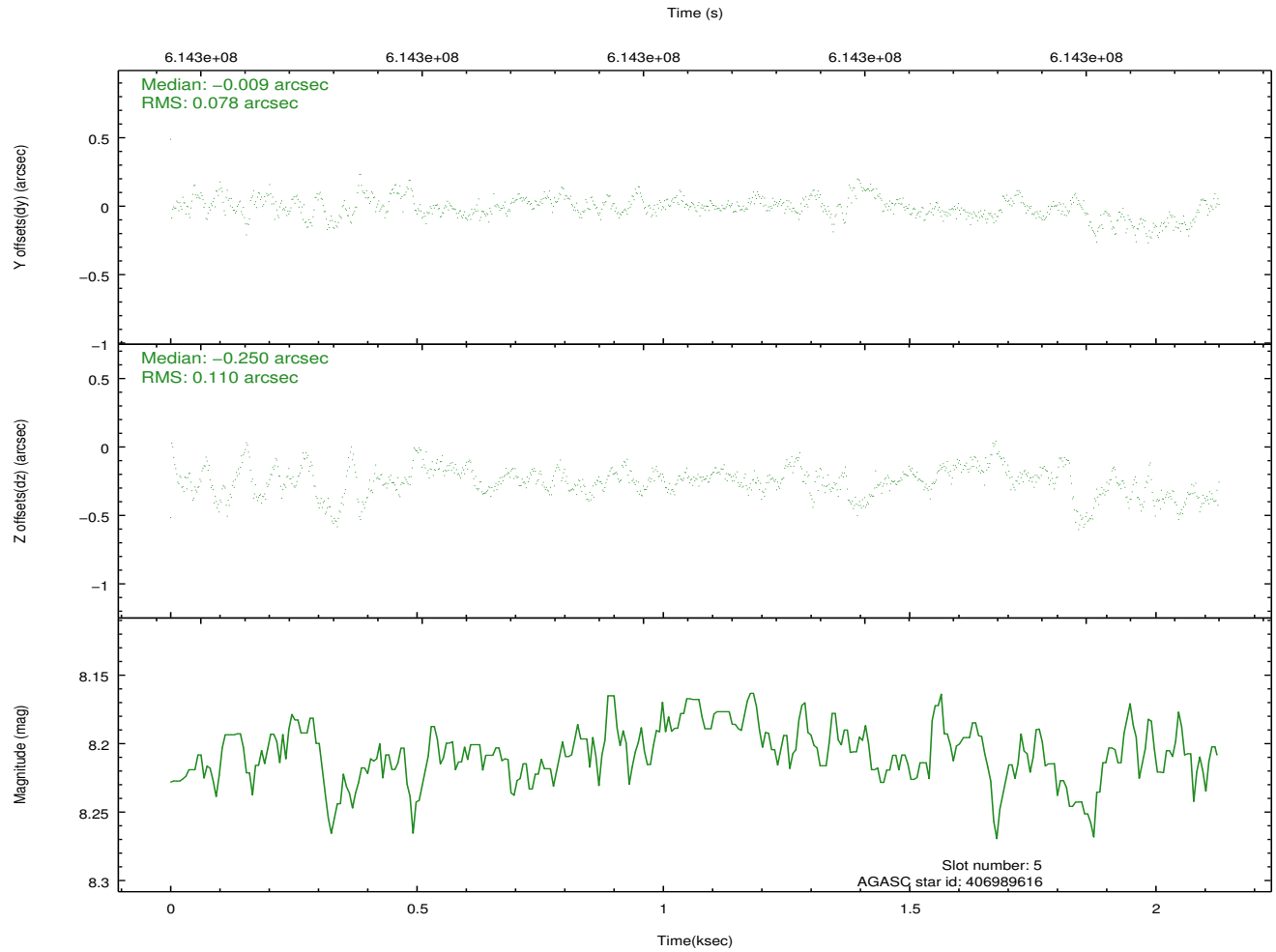
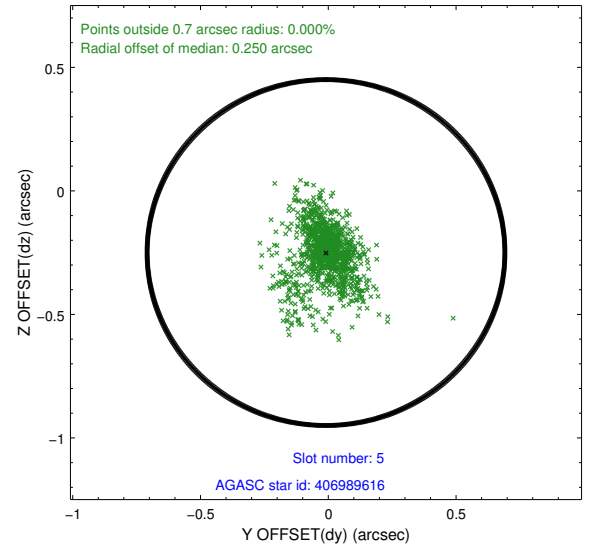
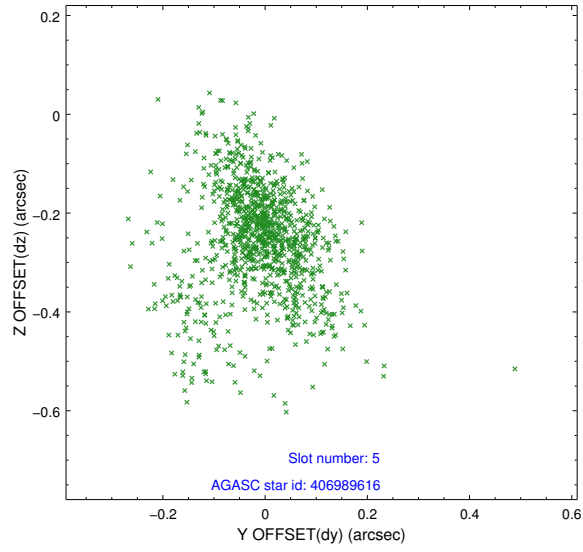
2.4.1 Slot 3



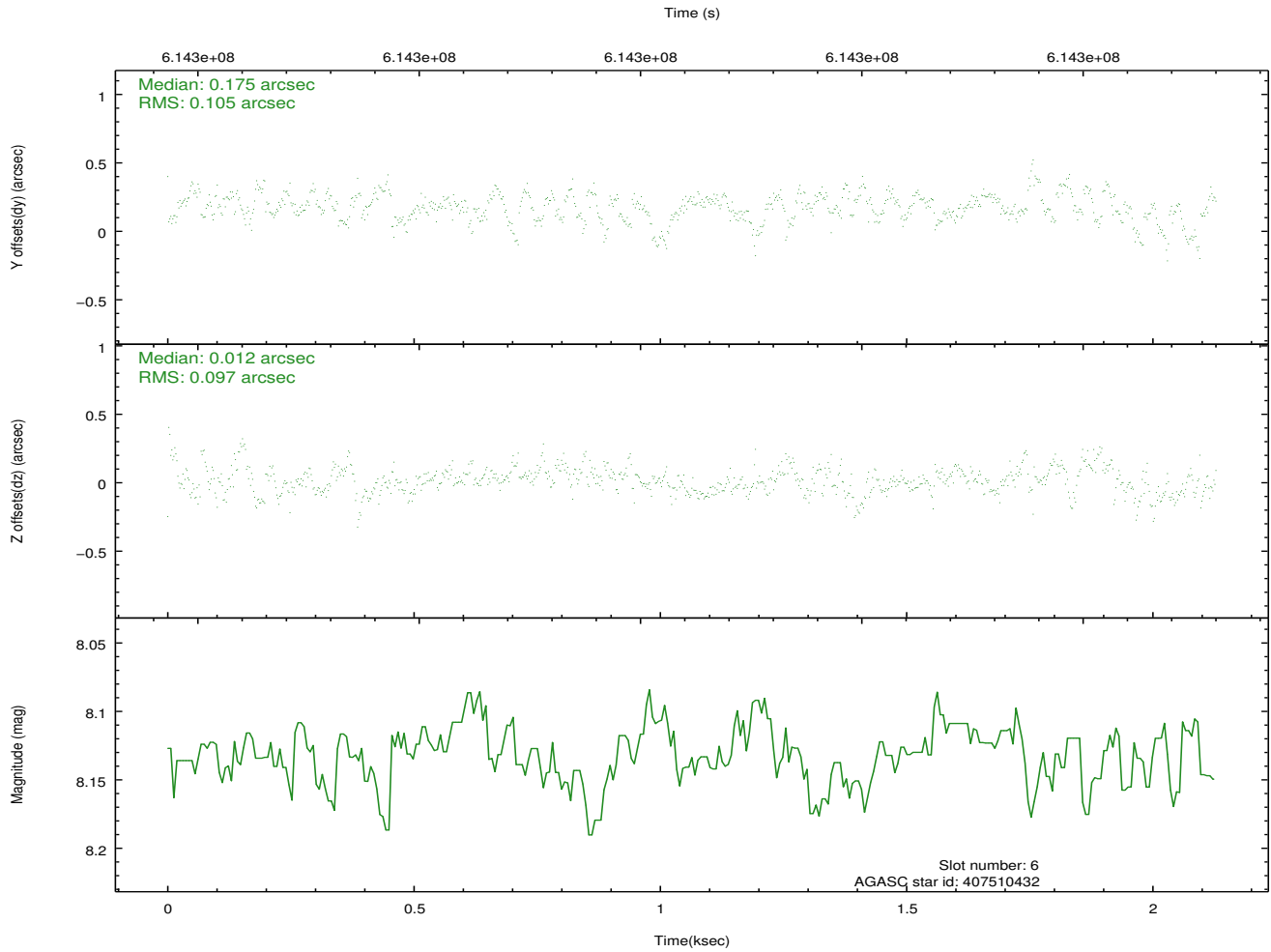
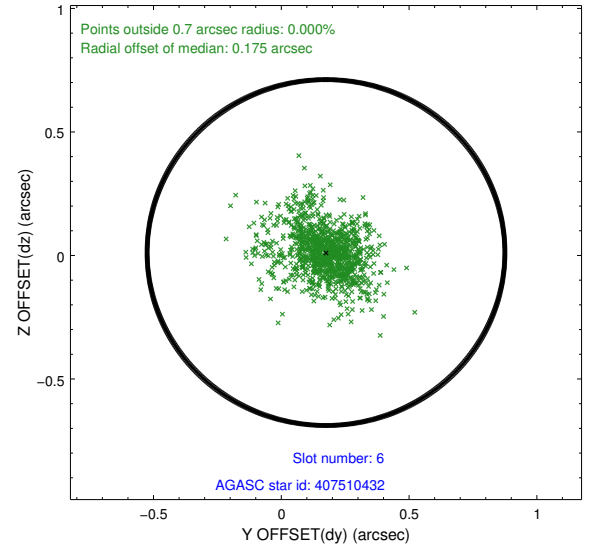
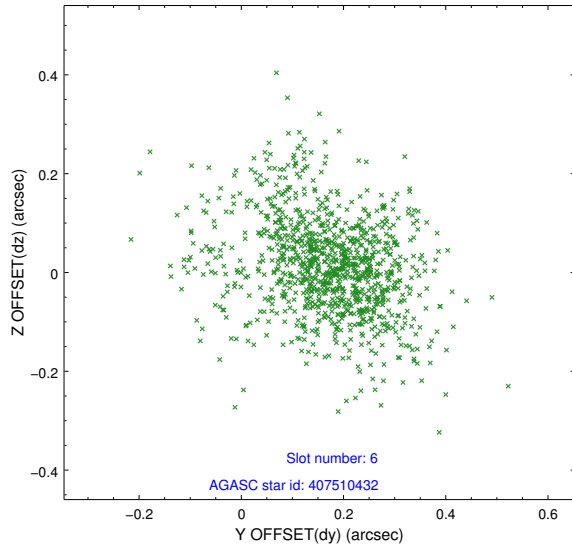
2.4.2 Slot 4



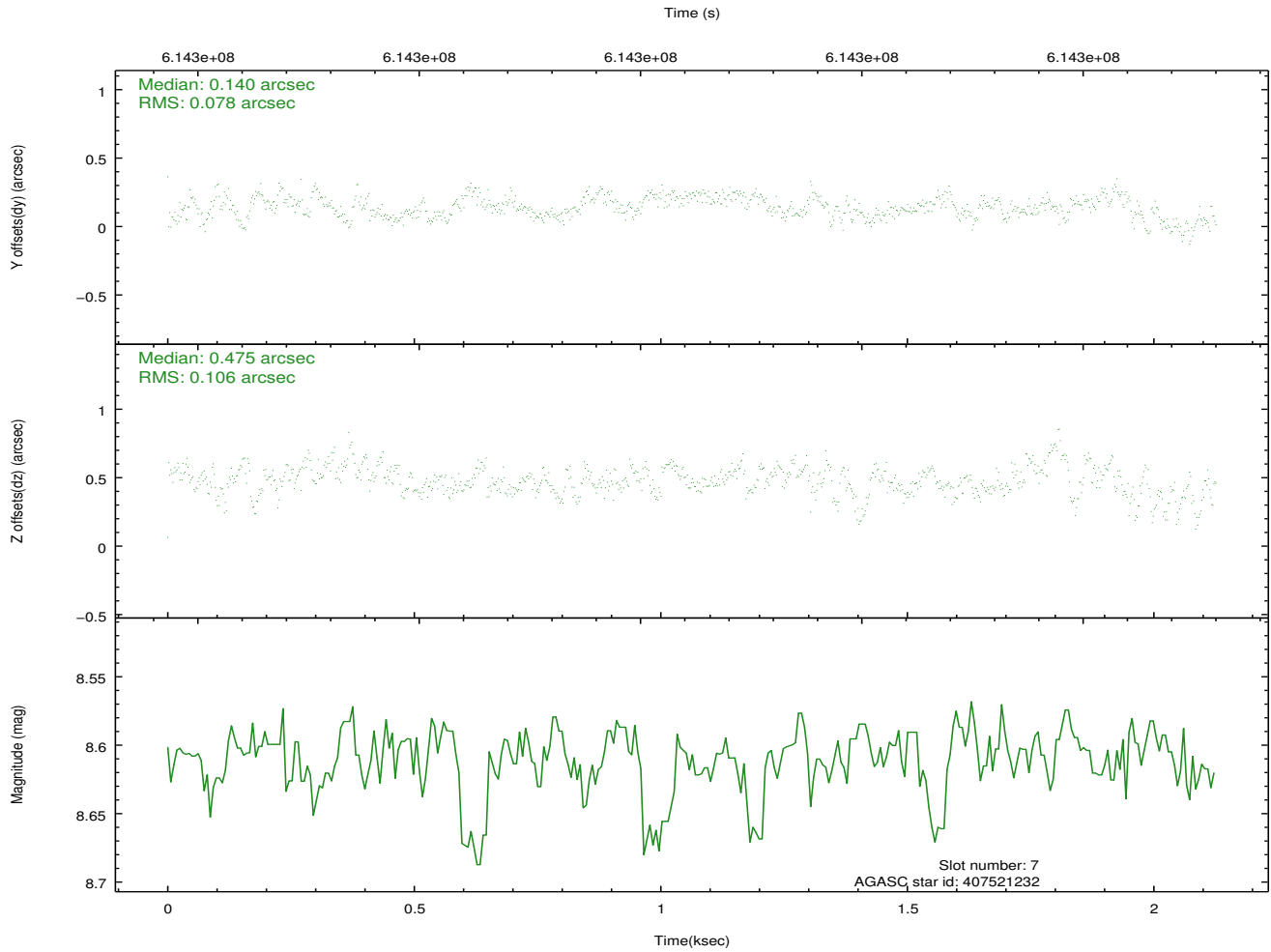
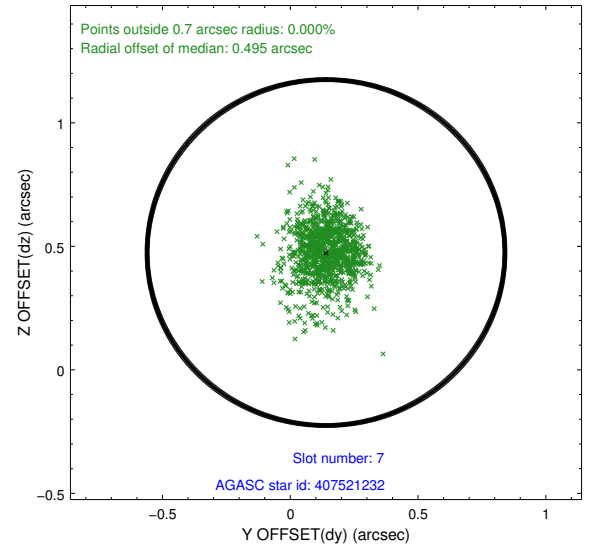
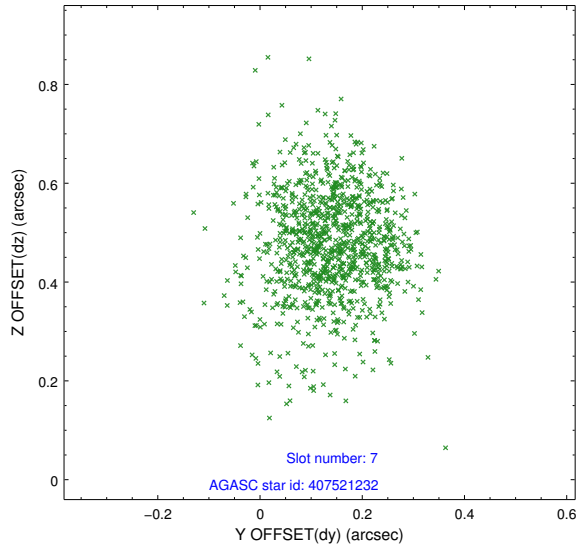
2.4.3 Slot 5



2.4.4 Slot 6

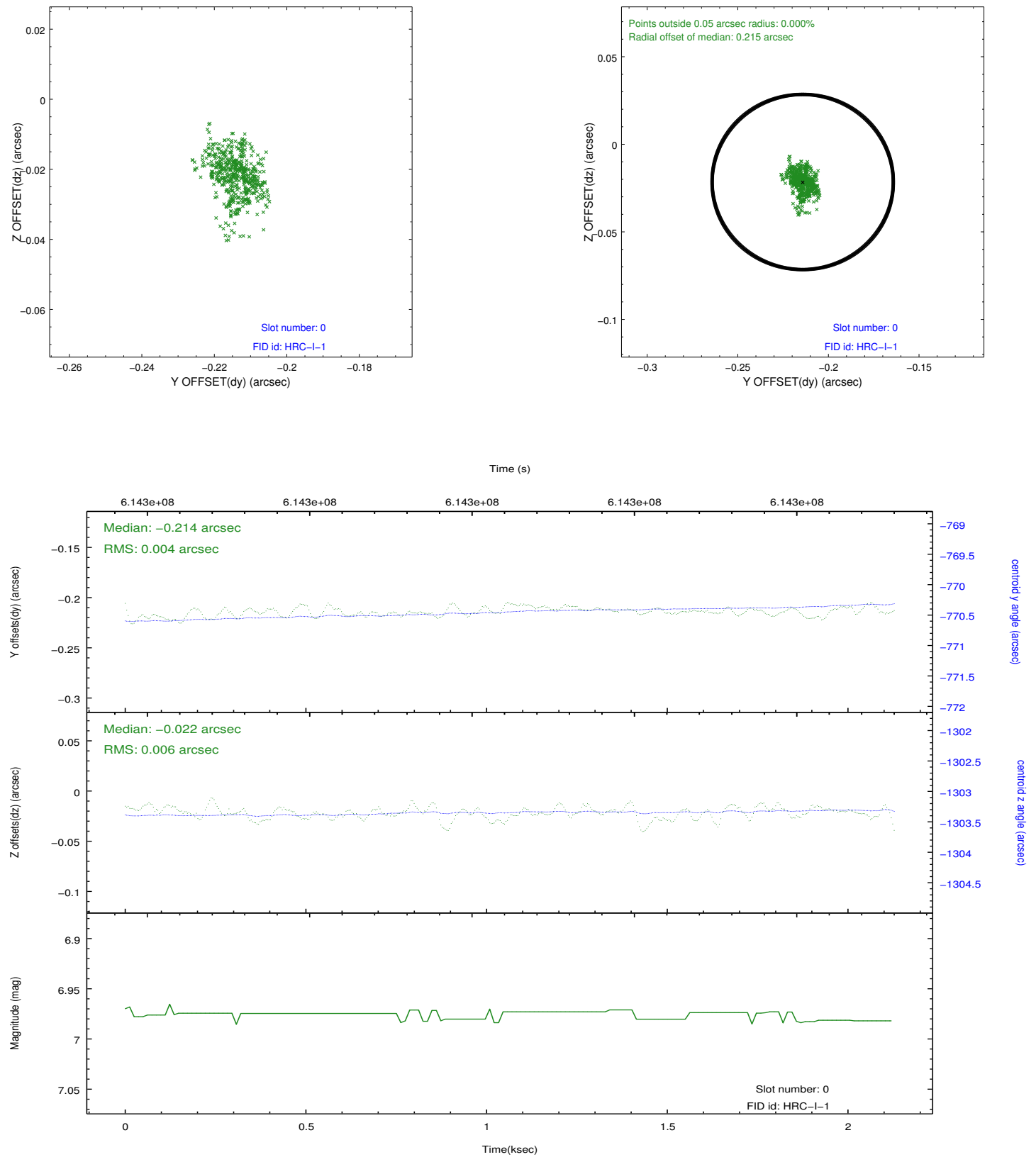


2.4.5 Slot 7

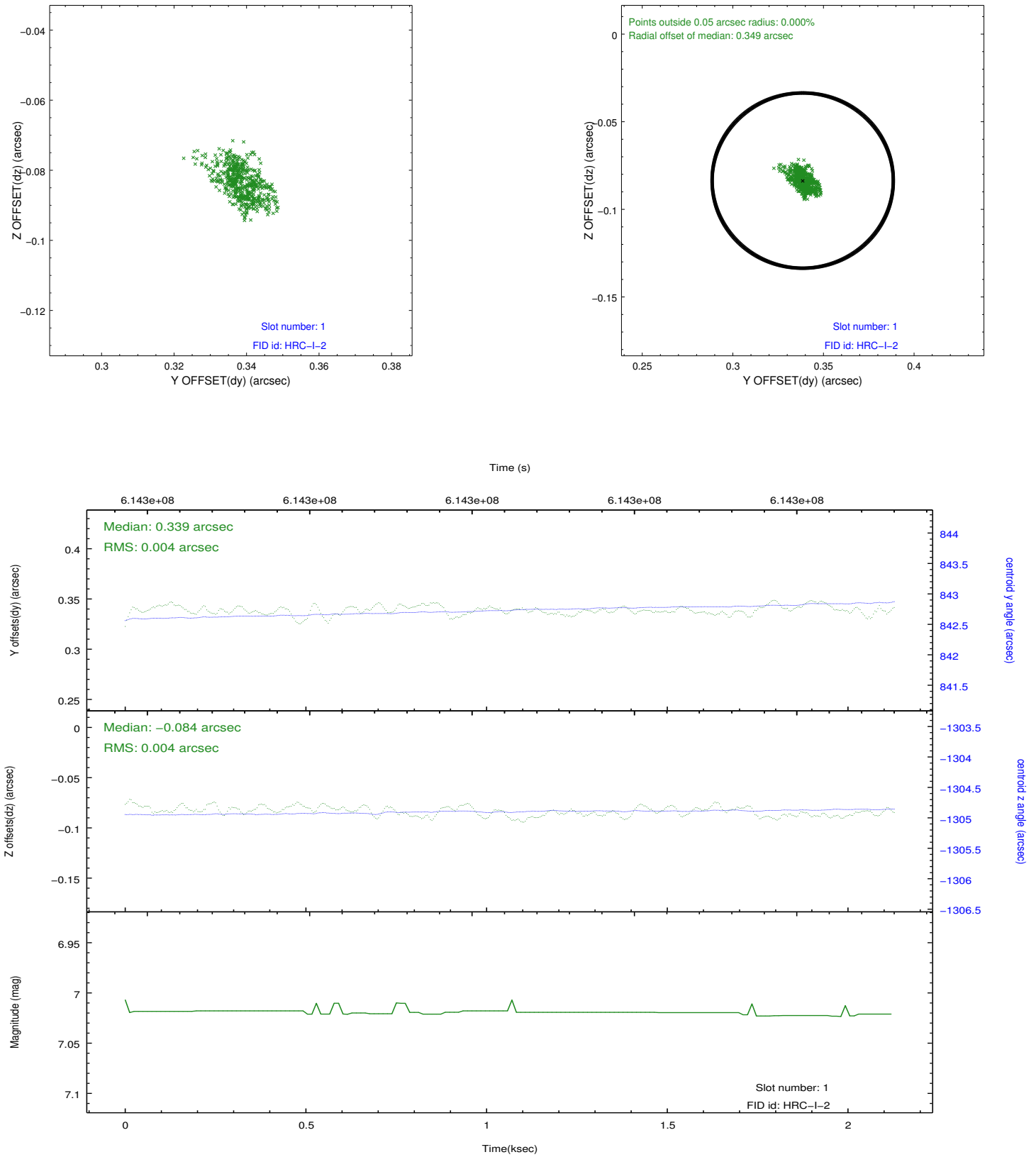


2.5 FID Slots

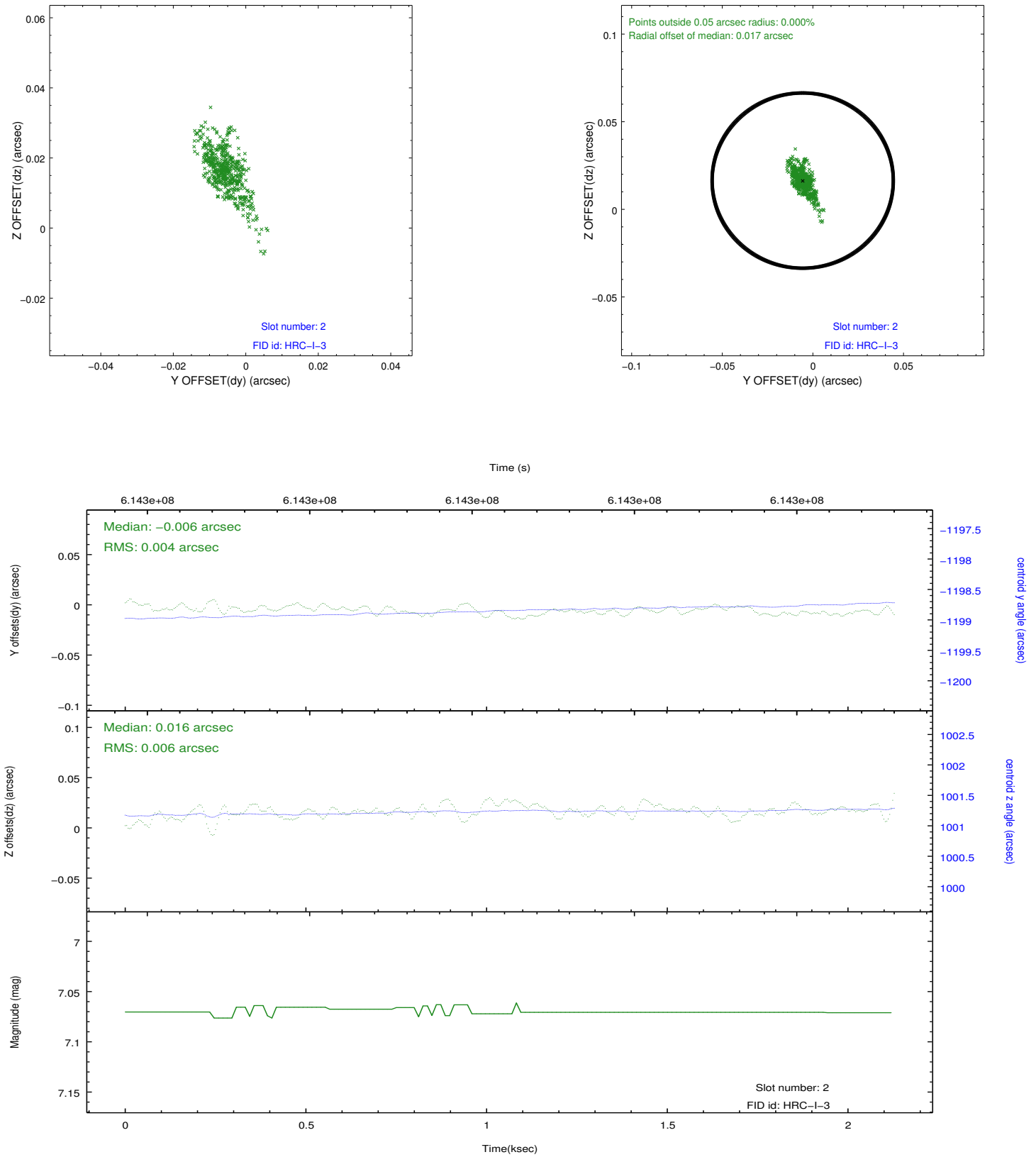
2.5.1 Slot 0



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)	2017.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1271313740015

A.2 Comments