

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18676 - L2 Version 1
Chandra X-Ray Center

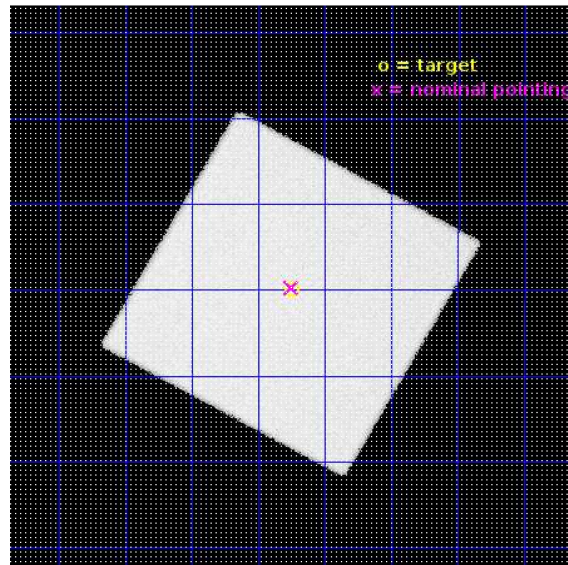
L2 Processing Date : Mar 27 2017

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

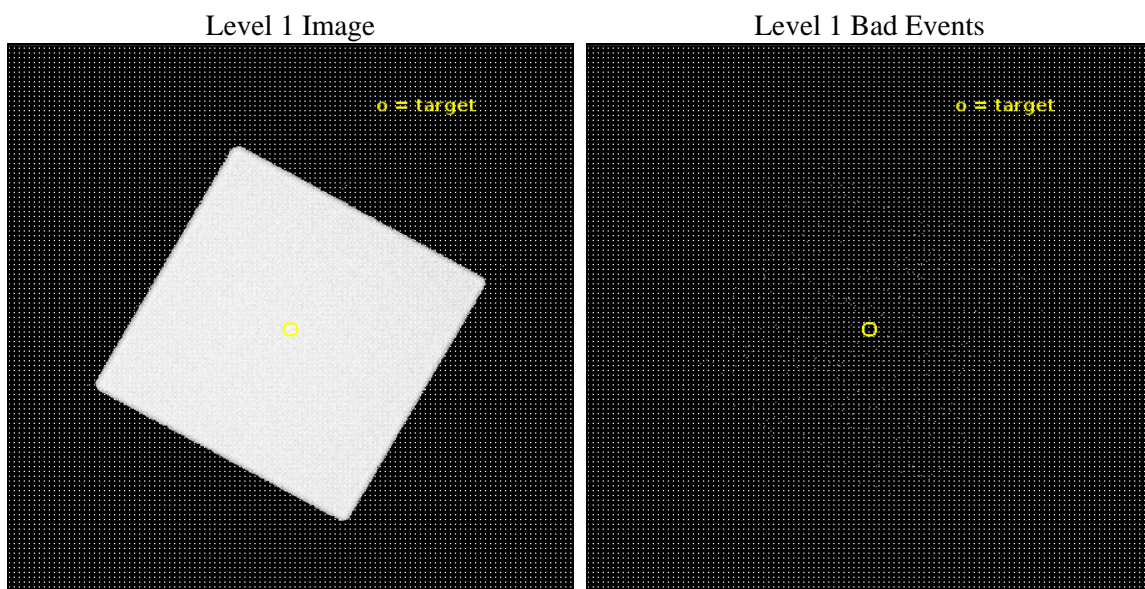
seq_num	100161	Sequence number
obs_id	18676	Observation id
title	Disecting the Morphology of Jupiter's Auroral Hot Spot	Proposal t
observer	Dr. Randy Gladstone	Principal investigator
object	Jupiter	Source name
ra_targ	198.562504	Observer's specified target RA [deg]
dec_targ	-6.16522	Observer's specified target Dec [deg]
ra_nom	198.56334651637	Nominal RA [deg]
dec_nom	-6.1622883665131	Nominal Dec [deg]
roll_nom	74.338654403922	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9423.0817973614	[s]
livetime	9304.9301883816	Ontime multiplied by DTCOR
l2events	990546	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	9300.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	9423.0817973614	[s]
caldsver	4.7.3	 	l1events	1474211	Number of level 1 events
date	2017-03-27T16:58:14	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

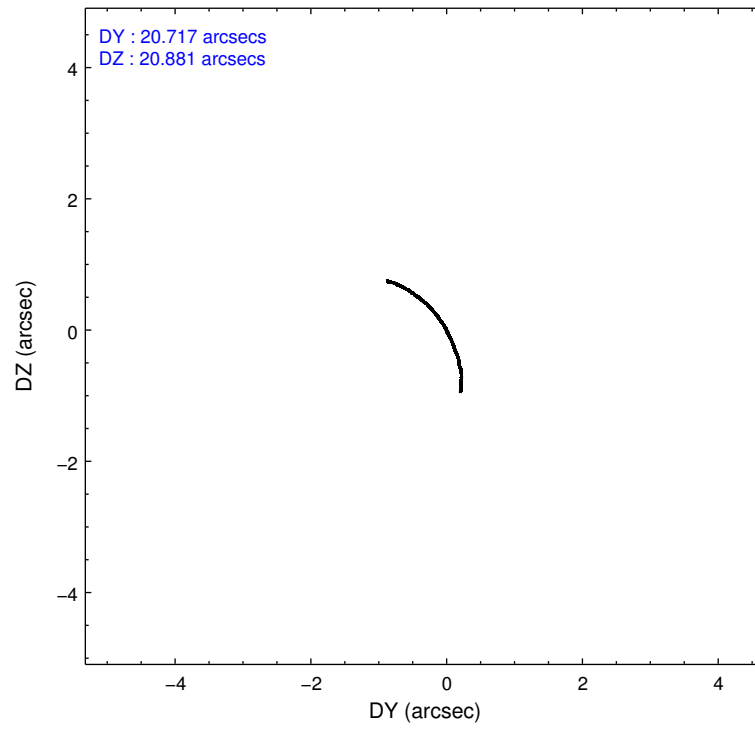
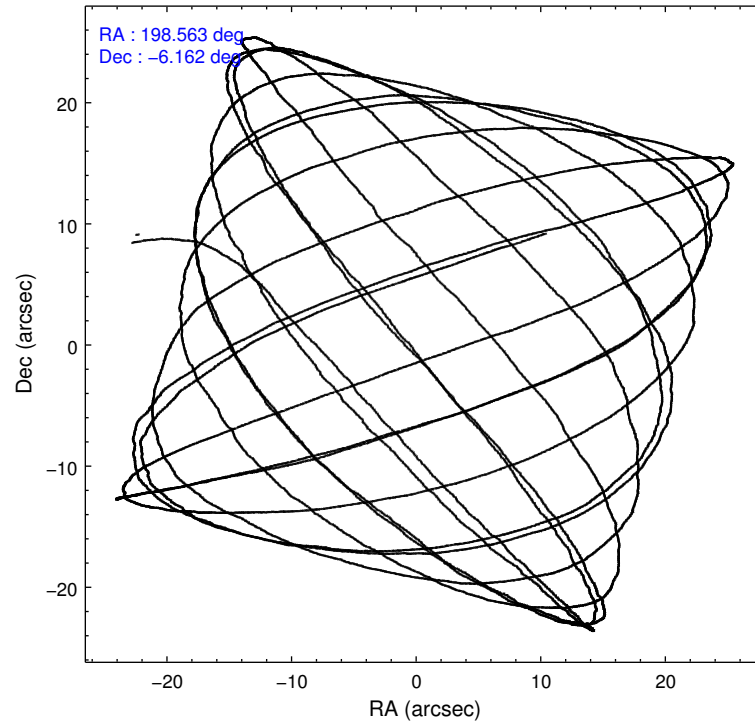
	segment 0
level 1 events	1474211
rejected events	158470
rejected %	10%

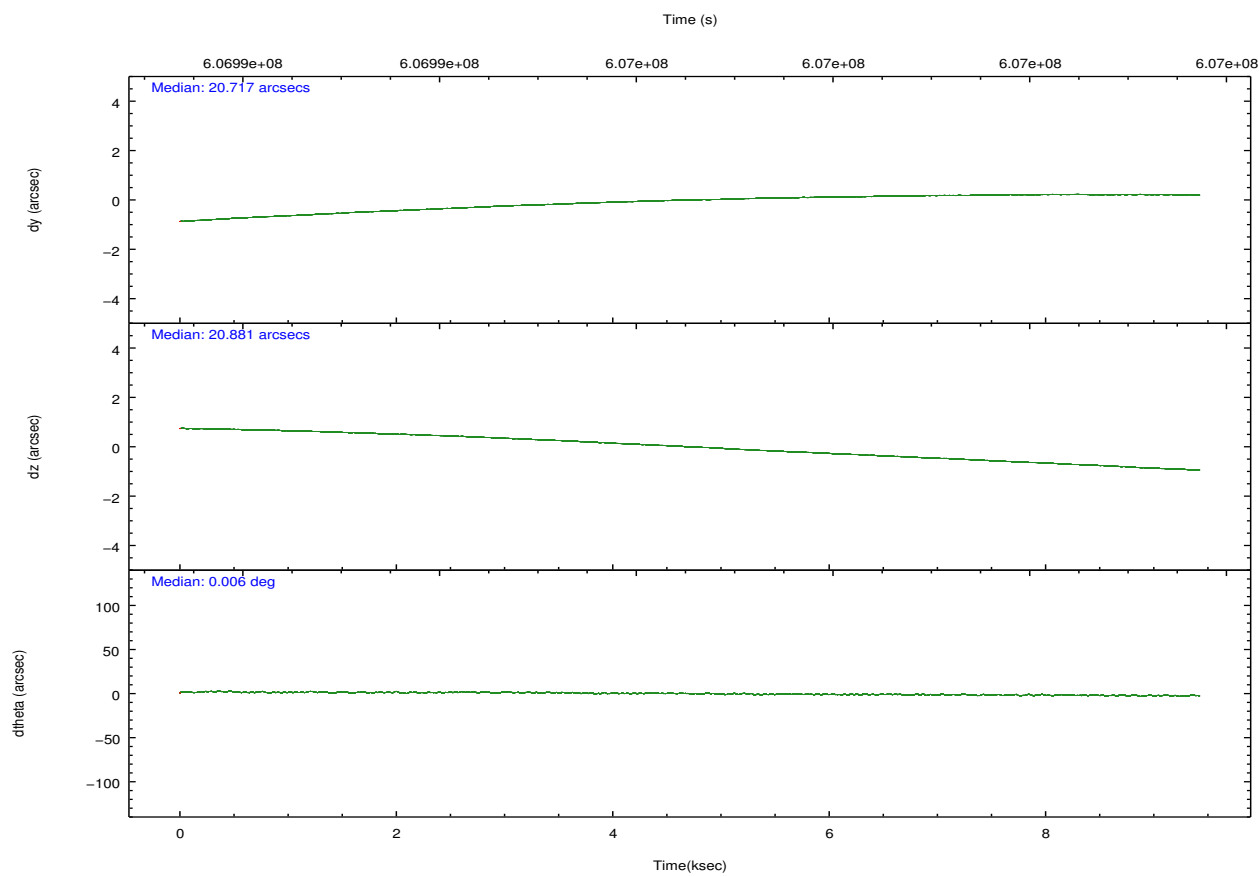
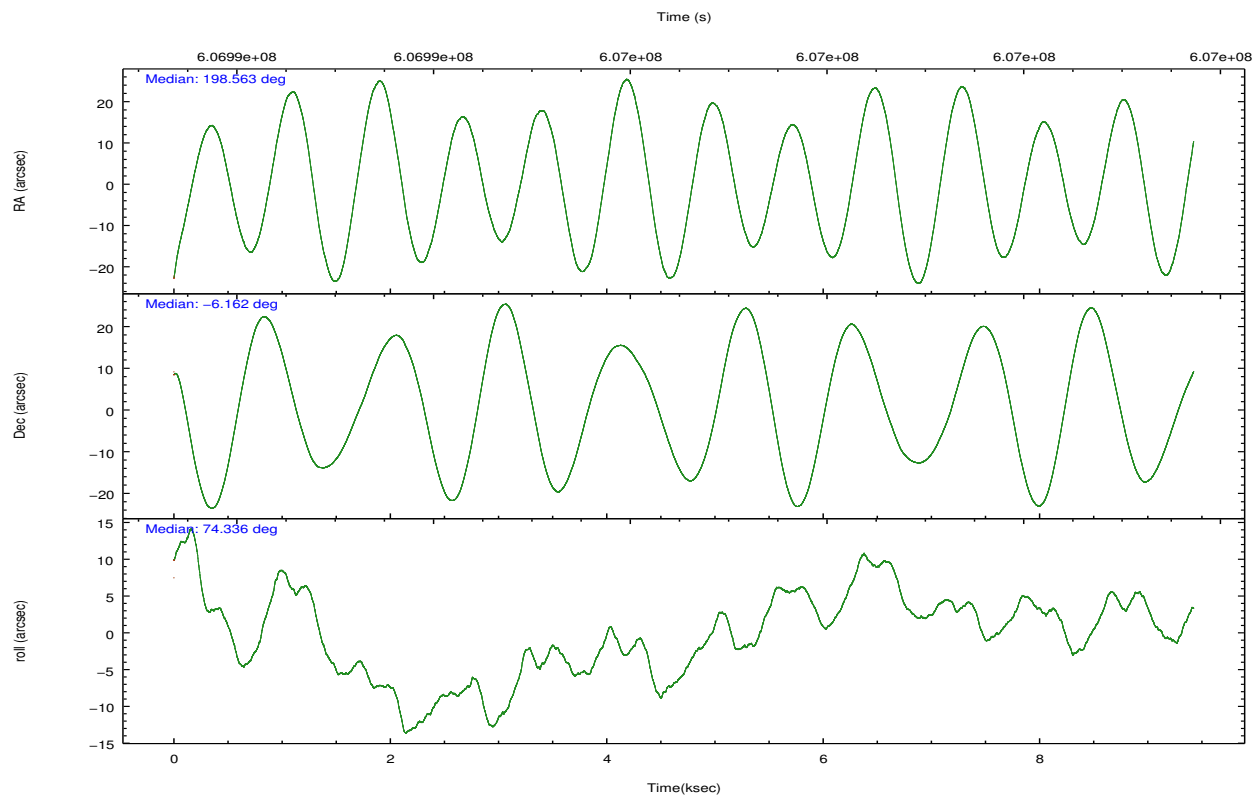
2.2 Compared Parameters

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	198.570850	198.5633465163723
[deg] Pointing Dec	-6.188424	-6.162288366513099
[deg] Pointing Roll	74.434945	74.33865440392164
[s] Window start time (MET)	606976389.184000	606976389.184000
[s] Window stop time (MET)	607012389.184000	607012389.184000
[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)	606991935.184000	606990725.06576
Observation start date	2017-03-27T08:51:06	2017-03-27T08:32:05
[s] Observation end time (MET)	607001235.184000	607001959.0664099
Observation end date	2017-03-27T11:26:06	2017-03-27T11:39:19

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

2.3 Aspect



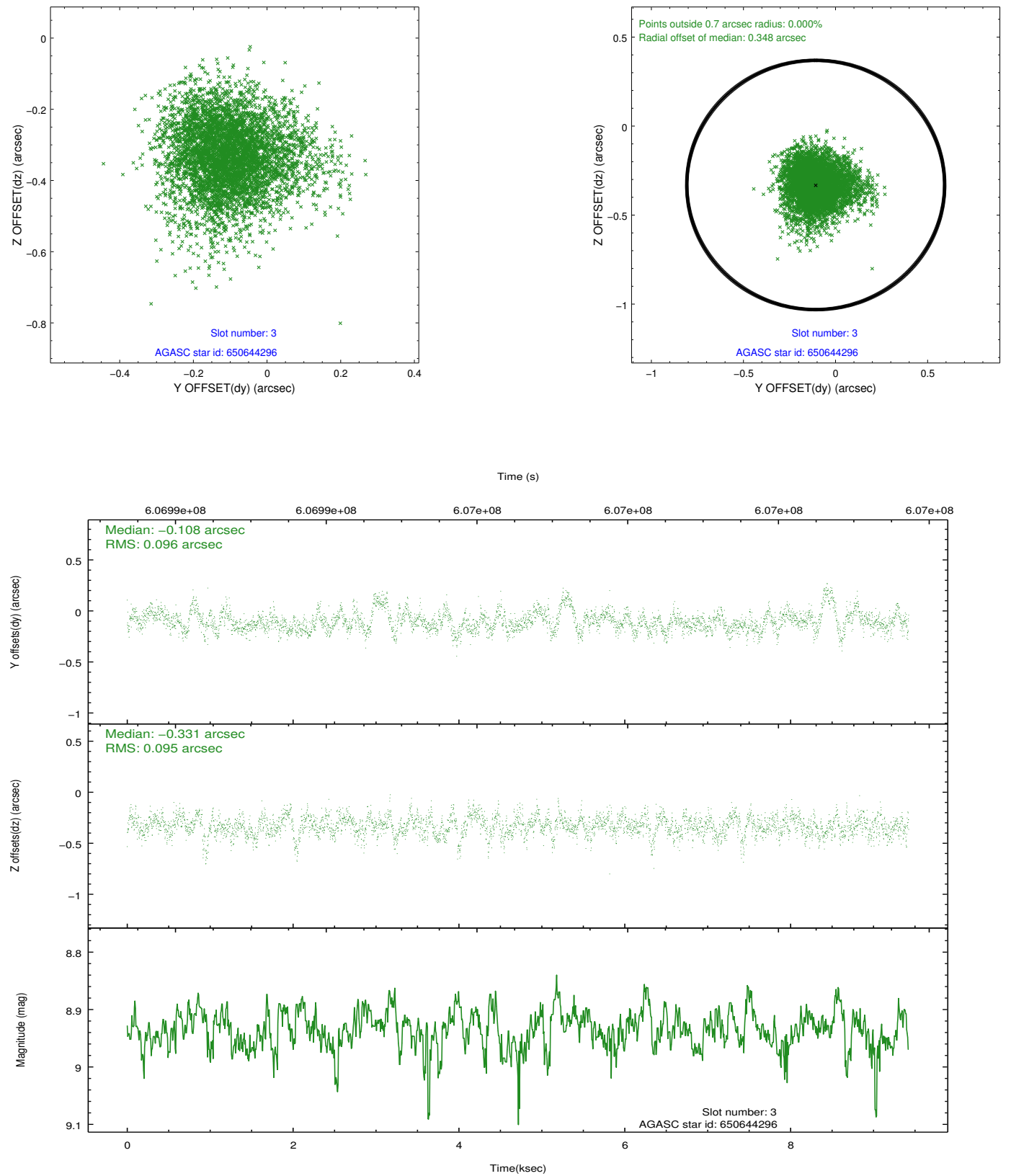


Slot Statistics

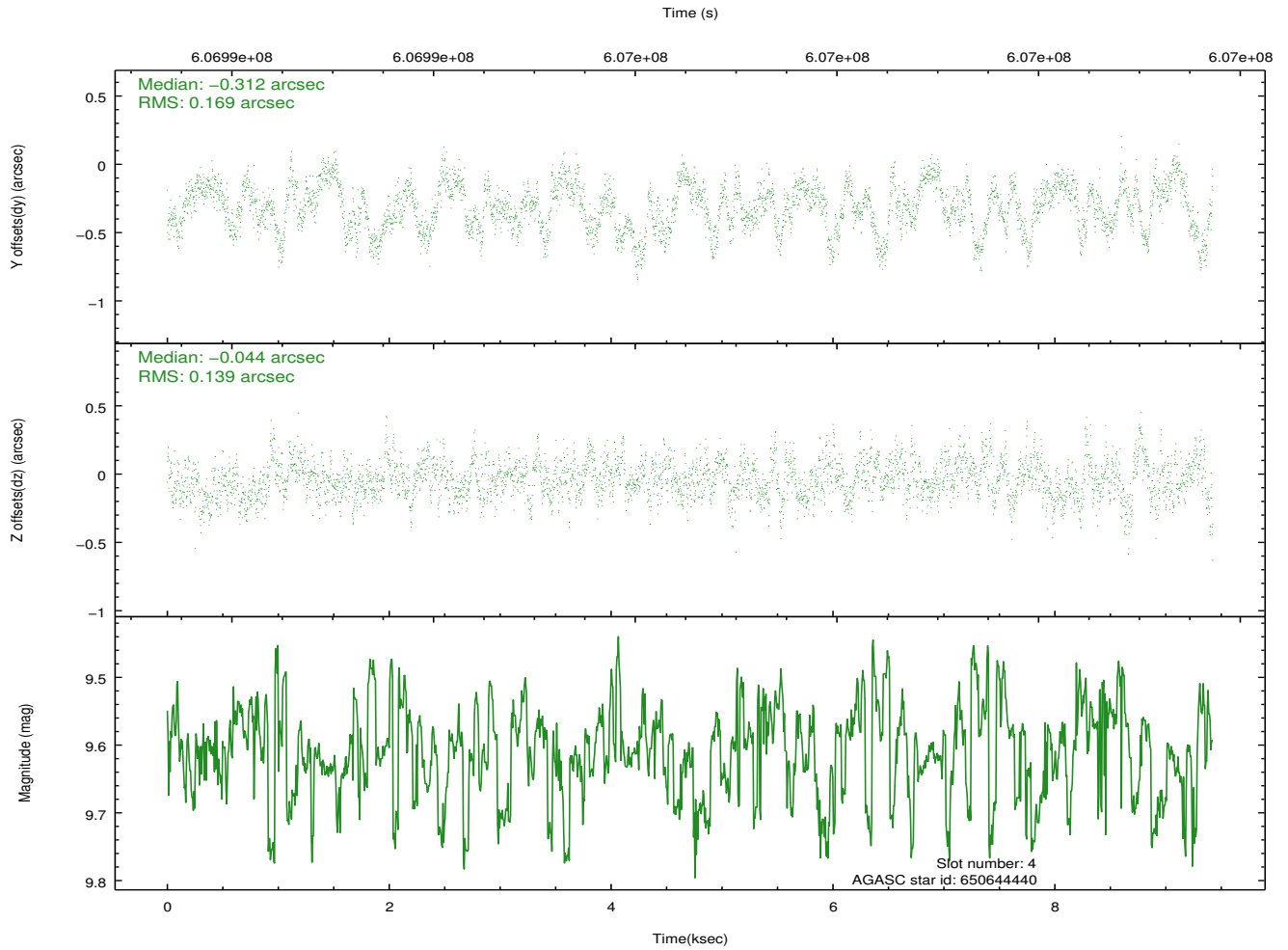
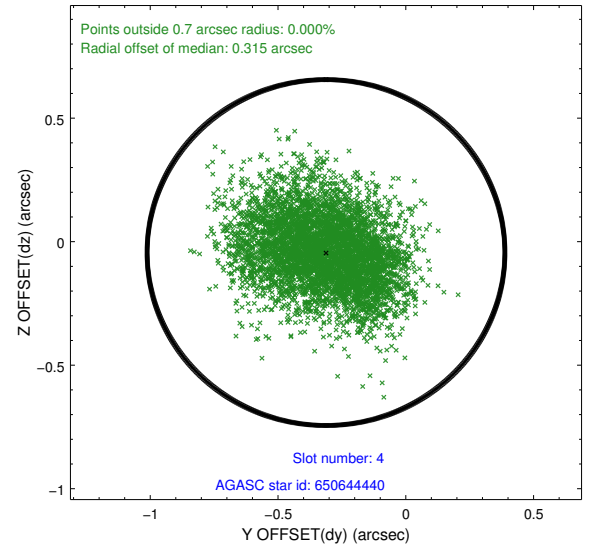
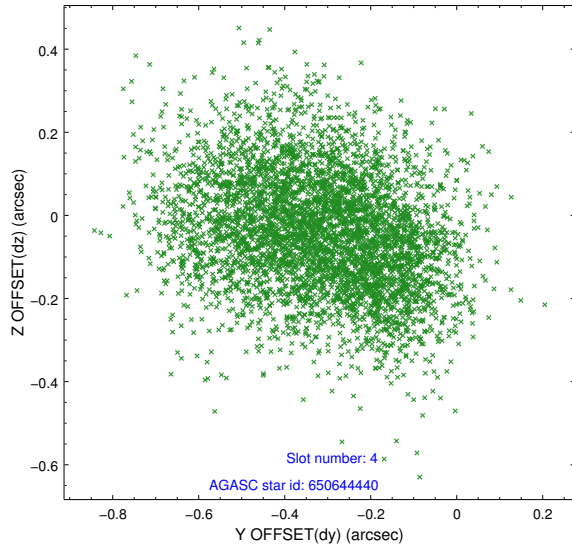
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.02	2299	-0.188	0.005	0.018	0.026	0.000000	0.000000	-776.68	-1309.14
1	FID		HRC-I-2	7.04	2299	0.320	-0.096	0.027	0.046	0.000000	0.000000	836.13	-1311.31
2	FID		HRC-I-3	7.10	2299	-0.012	0.002	0.021	0.042	0.000000	0.000000	-1204.73	994.83
3	GUIDE	used	650644296	8.93	4591	-0.108	-0.331	0.141	0.239	198.498214	-5.815057	1225.79	611.05
4	GUIDE	used	650644440	9.61	4591	-0.312	-0.044	0.234	0.369	198.064839	-5.946832	351.63	1978.70
5	GUIDE	used	650647856	9.62	4588	0.359	0.126	0.235	0.394	198.095124	-6.500442	-1538.43	1337.43
6	GUIDE	used	650652192	7.67	4598	0.080	0.125	0.123	0.201	199.012914	-5.668719	2226.34	-1022.01
7	GUIDE	used	650643800	9.37	4585	-0.014	0.122	0.191	0.320	198.243762	-6.070882	94.44	1241.36

2.4 Star Slots

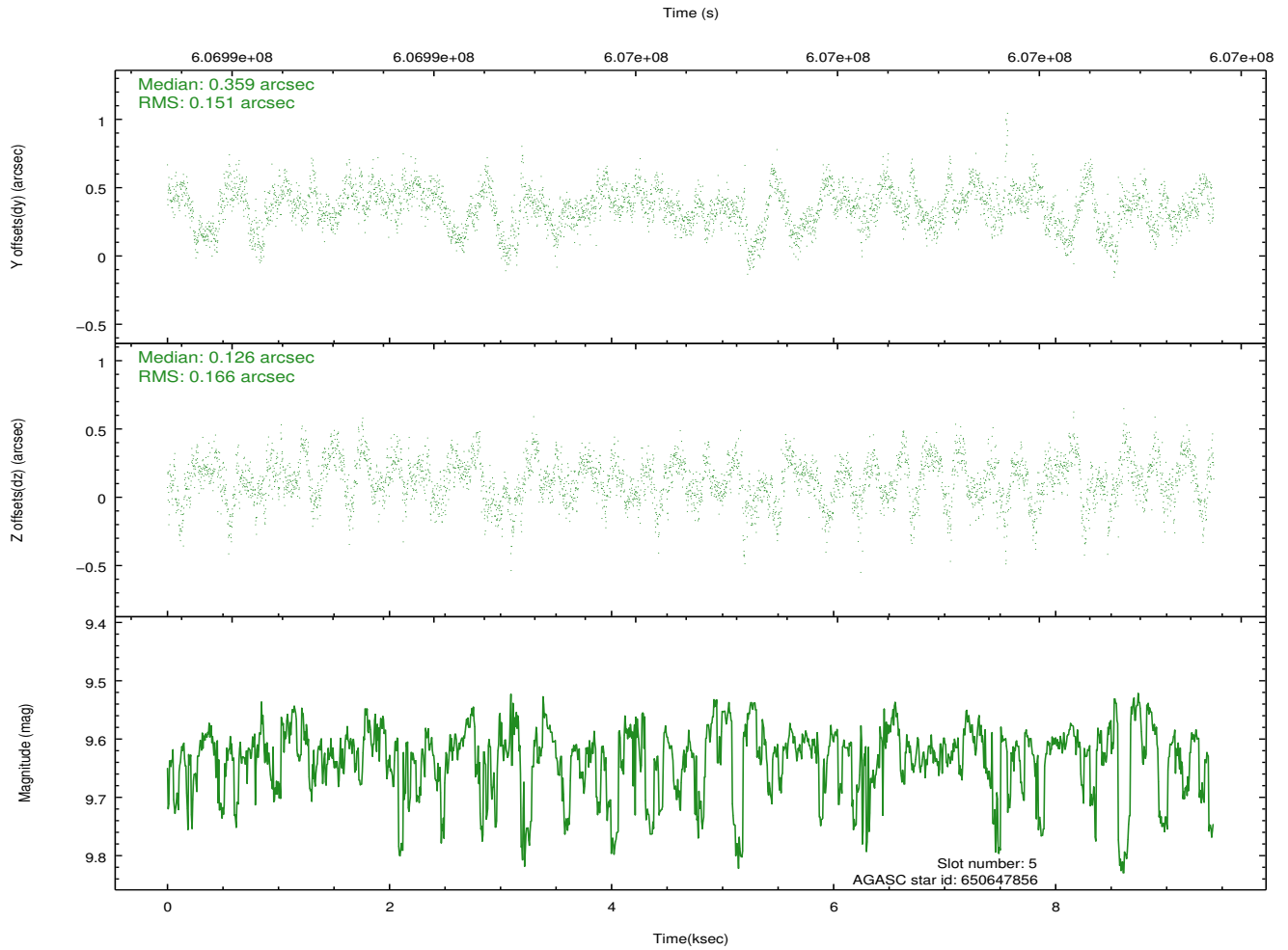
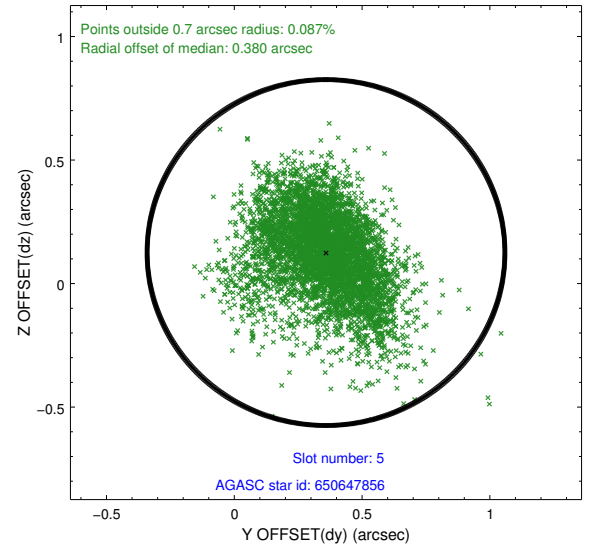
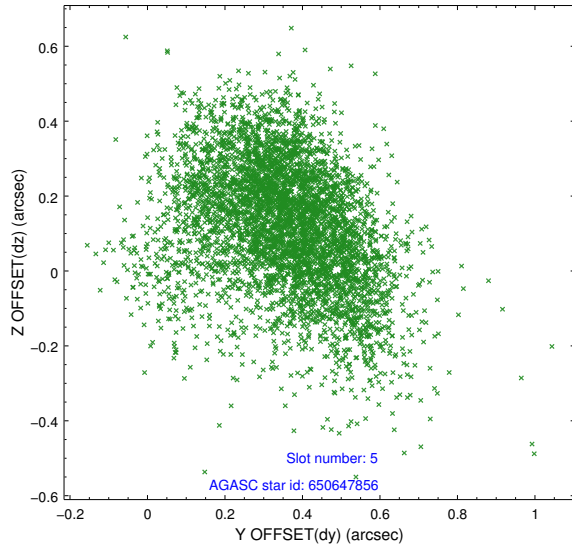
2.4.1 Slot 3



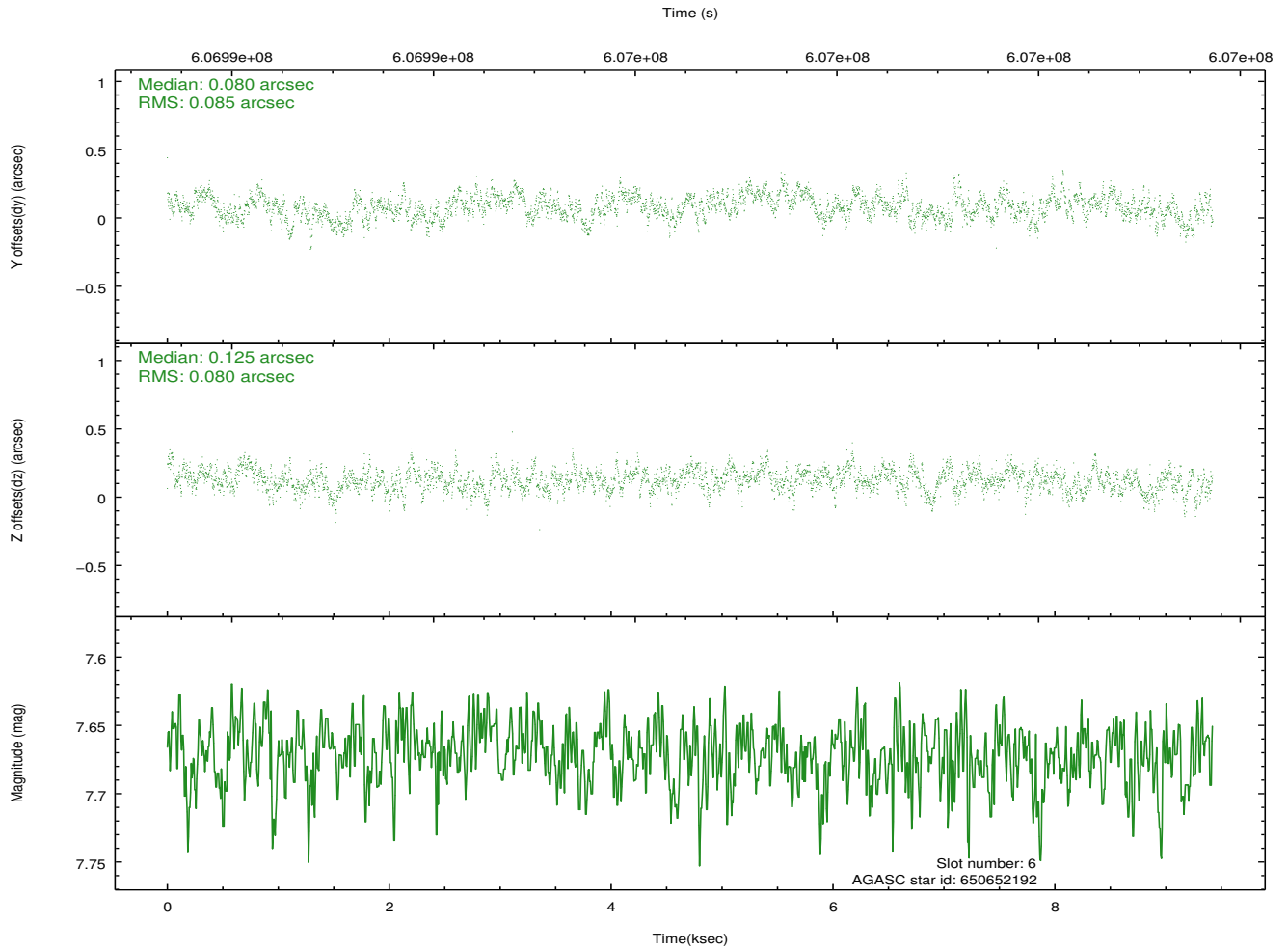
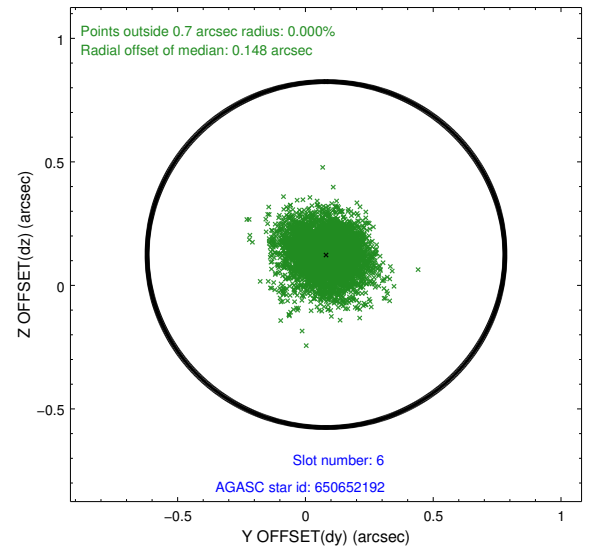
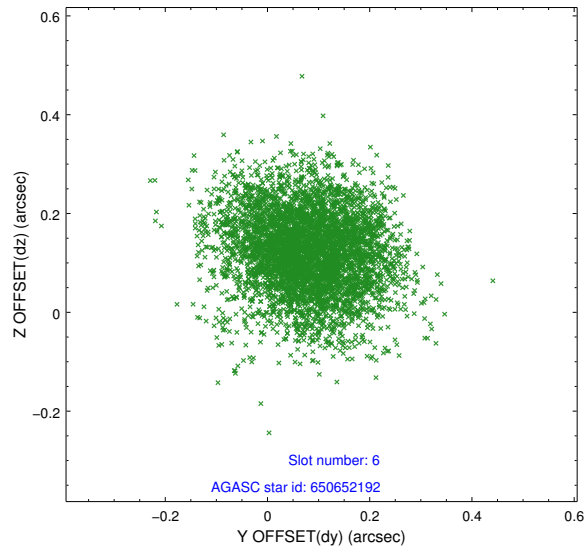
2.4.2 Slot 4



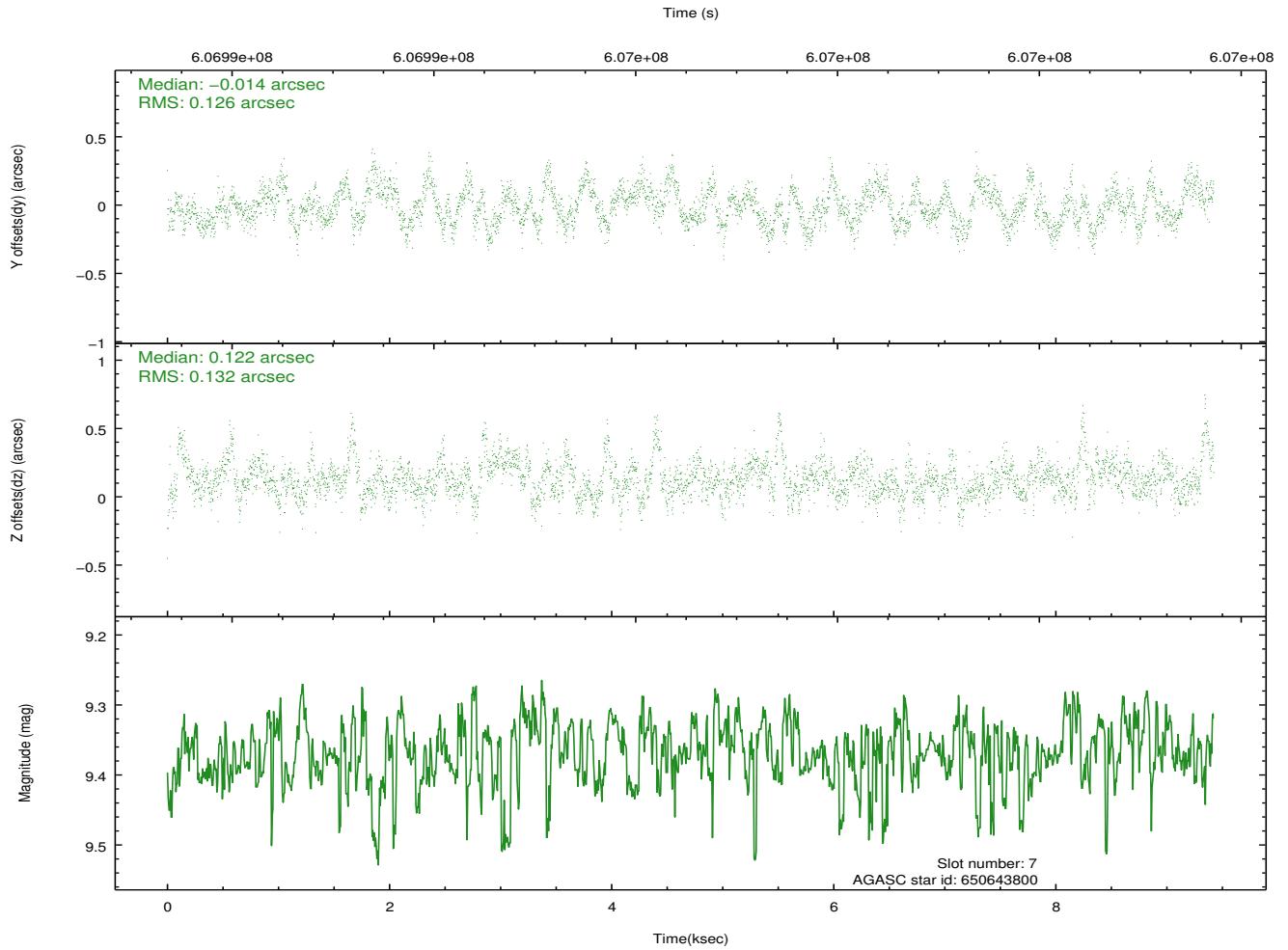
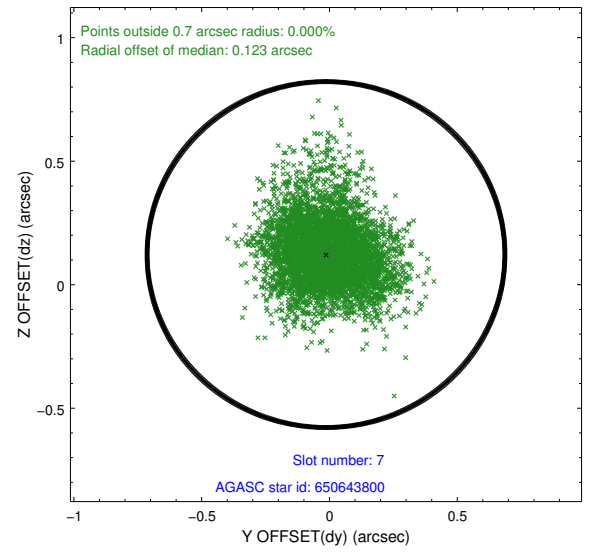
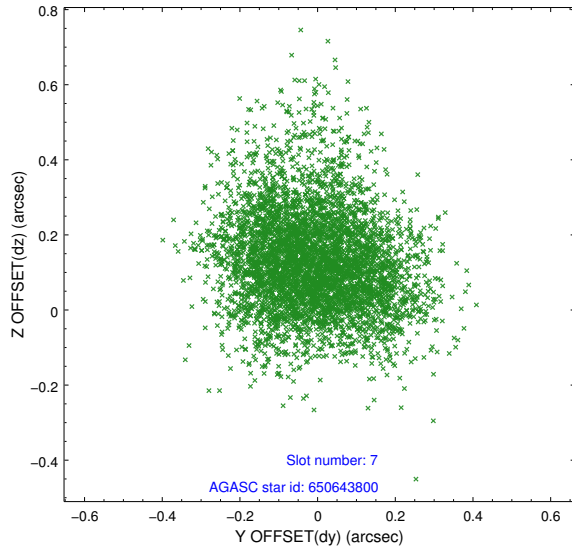
2.4.3 Slot 5



2.4.4 Slot 6

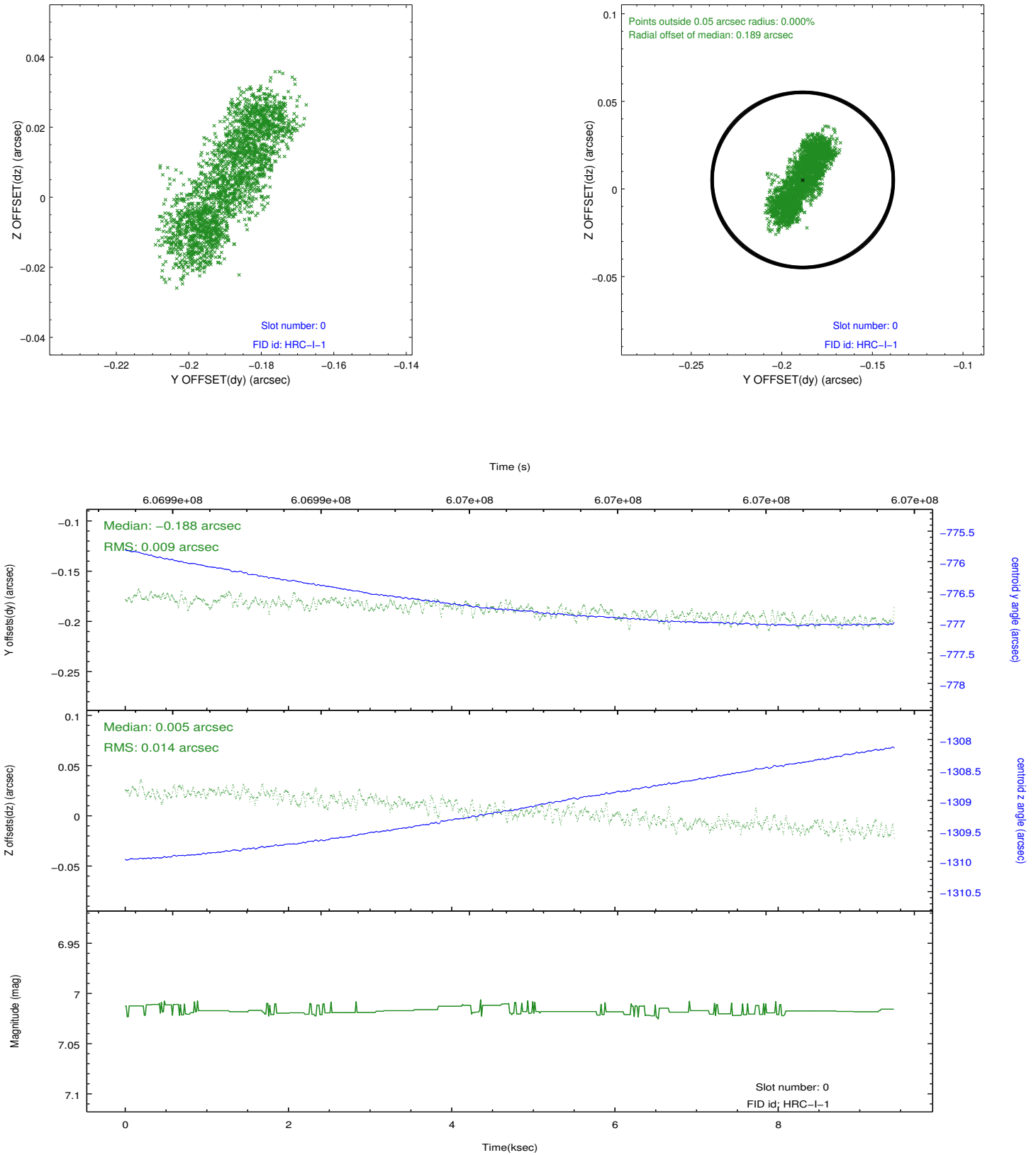


2.4.5 Slot 7

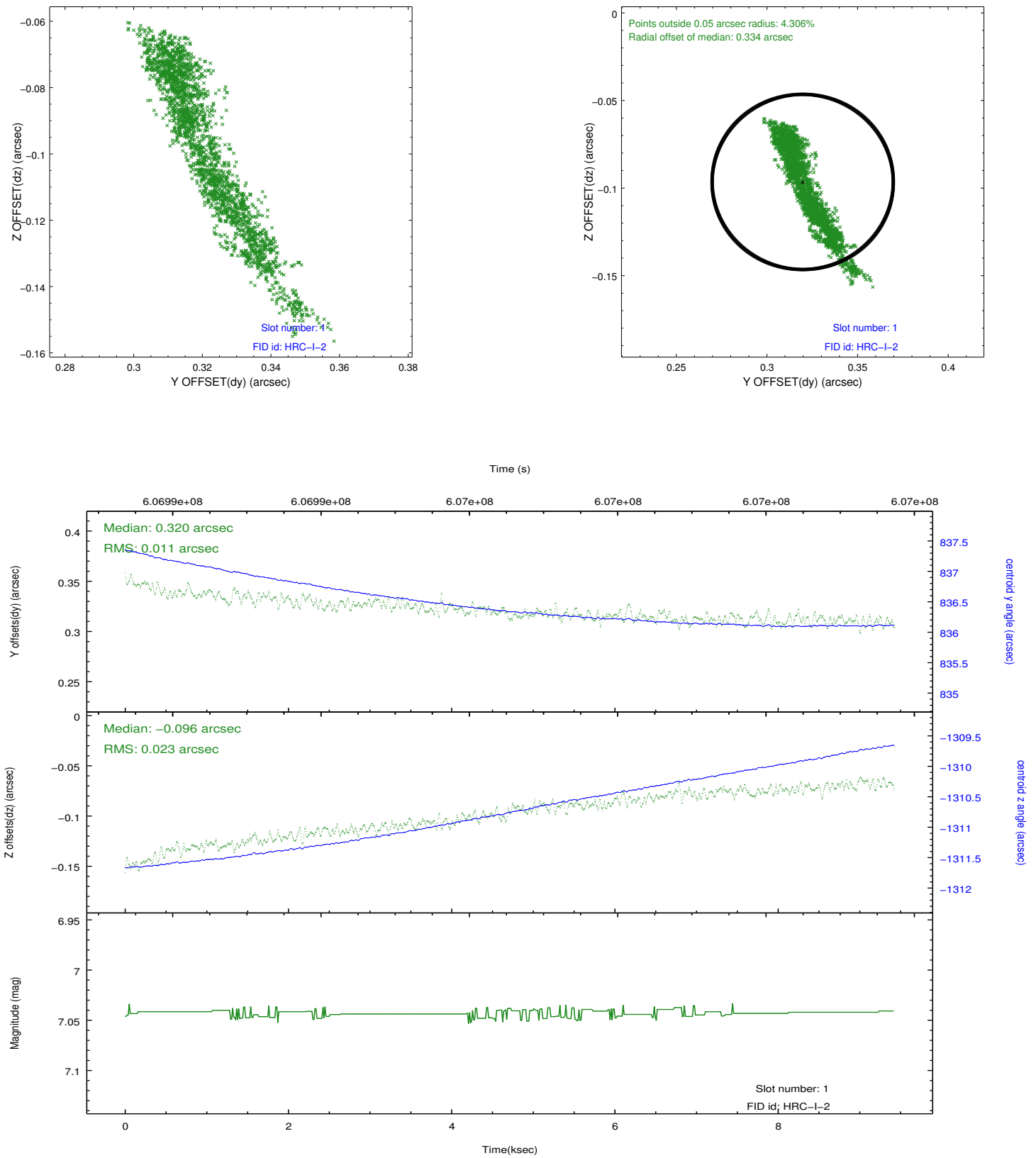


2.5 FID Slots

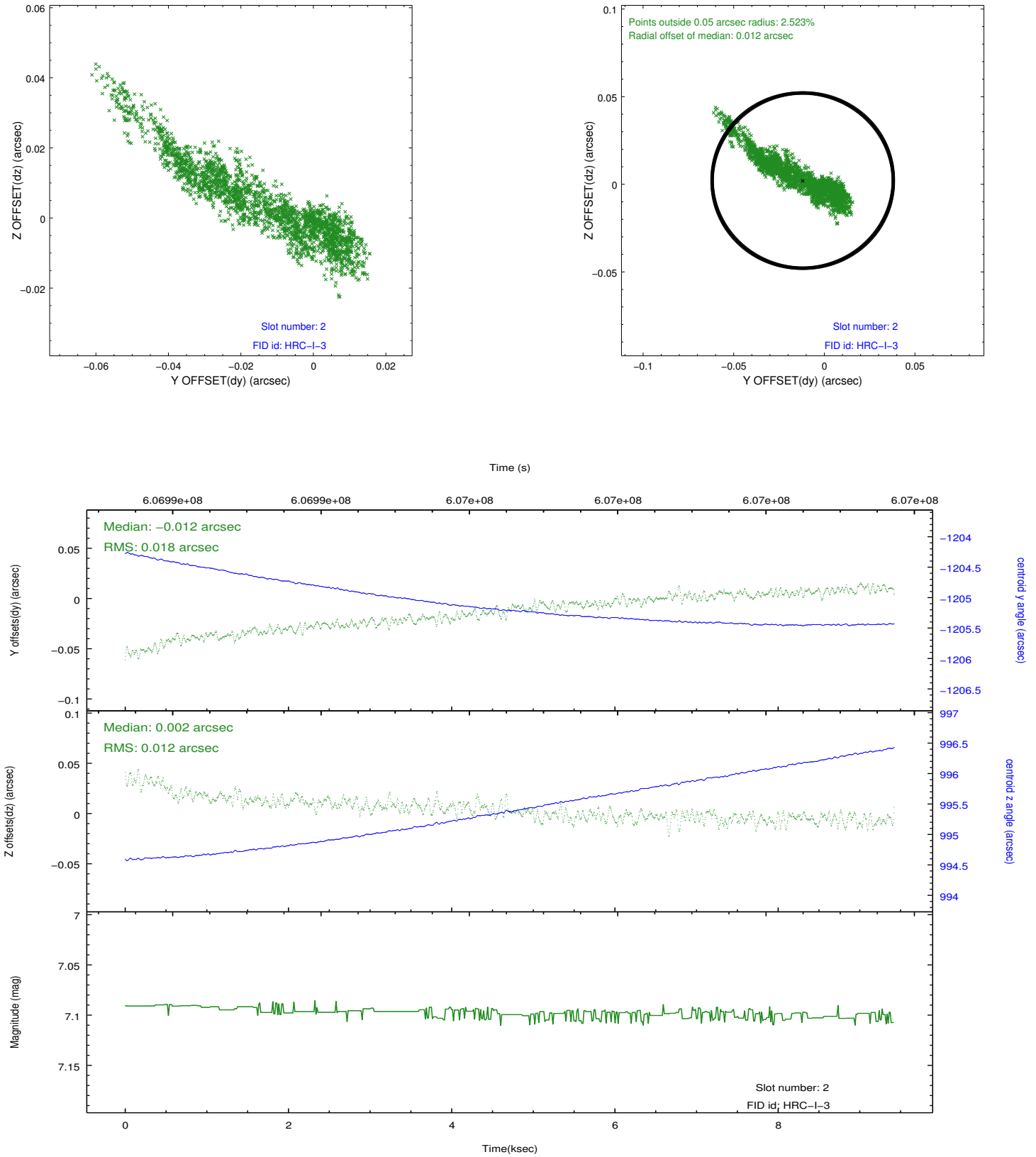
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.4230817973614

A.2 Comments

Observation coordinated with Juno.

Window preference met.

This is an observation of a moving target. Users will need to run sso_freeze or similar software to position the events in the reference frame of the target.