

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 17395 - L2 Version 1
Chandra X-Ray Center

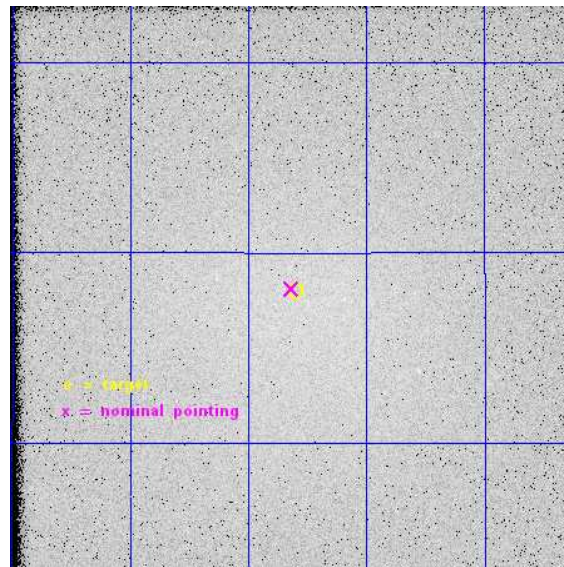
L2 Processing Date : Nov 21 2014

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

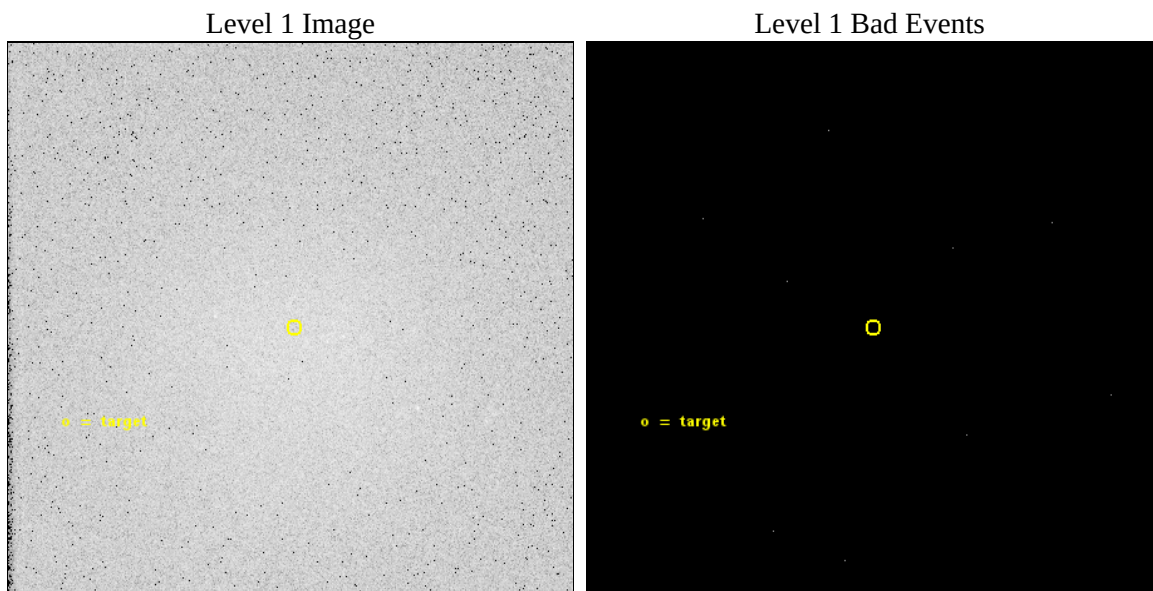
seq_num	890095	Sequence number
obs_id	17395	Observation id
title	AO-16 HRC-I Calibration Observations of the Coma Cluster	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	Coma Cluster	Source name
ra_targ	194.95	Observer's specified target RA [deg]
dec_targ	27.966667	Observer's specified target Dec [deg]
ra_nom	194.95437878705	Nominal RA [deg]
dec_nom	27.968395796146	Nominal Dec [deg]
roll_nom	44.371850538051	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10187.731817067	[s]
livetime	10081.962978766	Ontime multiplied by DTCOR
l2events	916084	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10187.731817067	[s]
caldbver	4.6.4	 	l1events	1216565	Number of level 1 events
date	2014-11-21T23:49:26	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

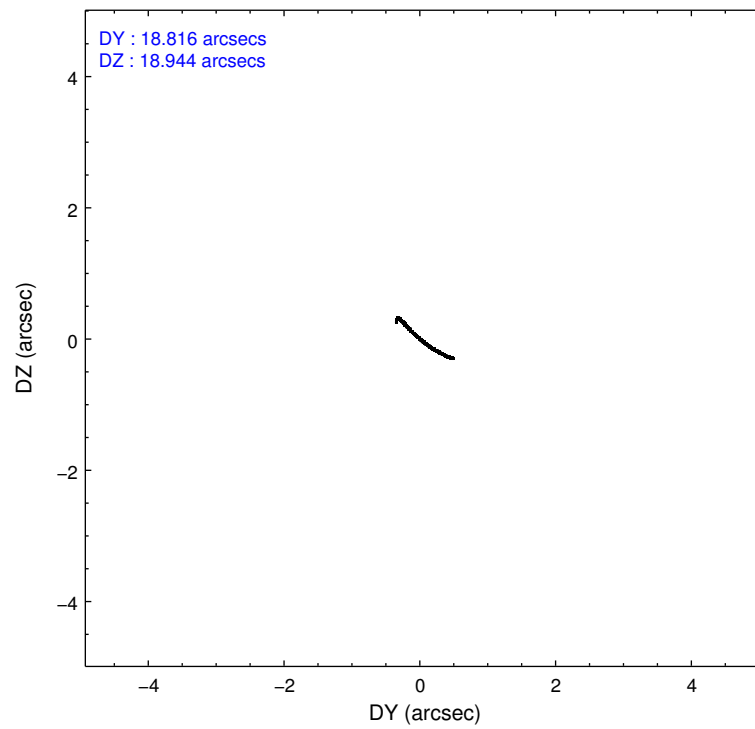
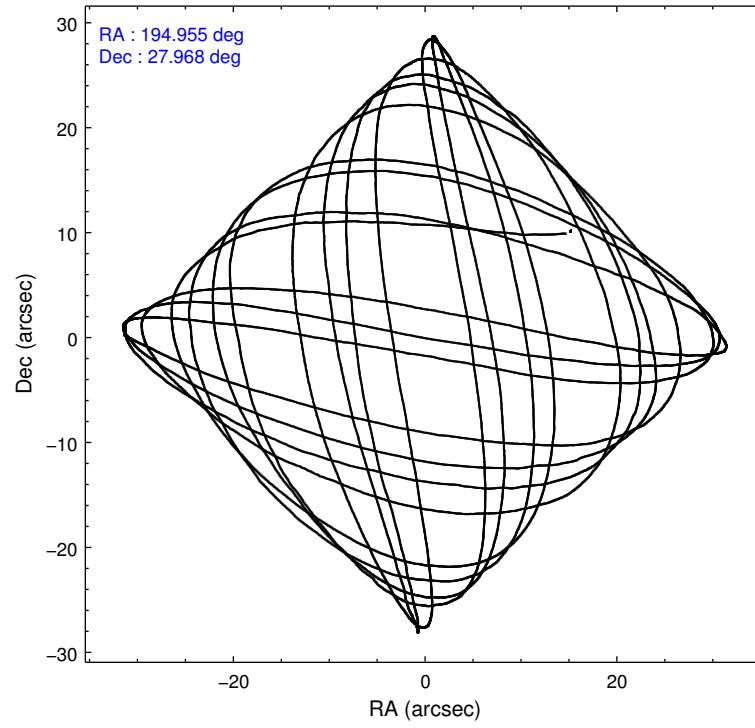
	segment 0
level 1 events	1216565
rejected events	41781
rejected %	3%

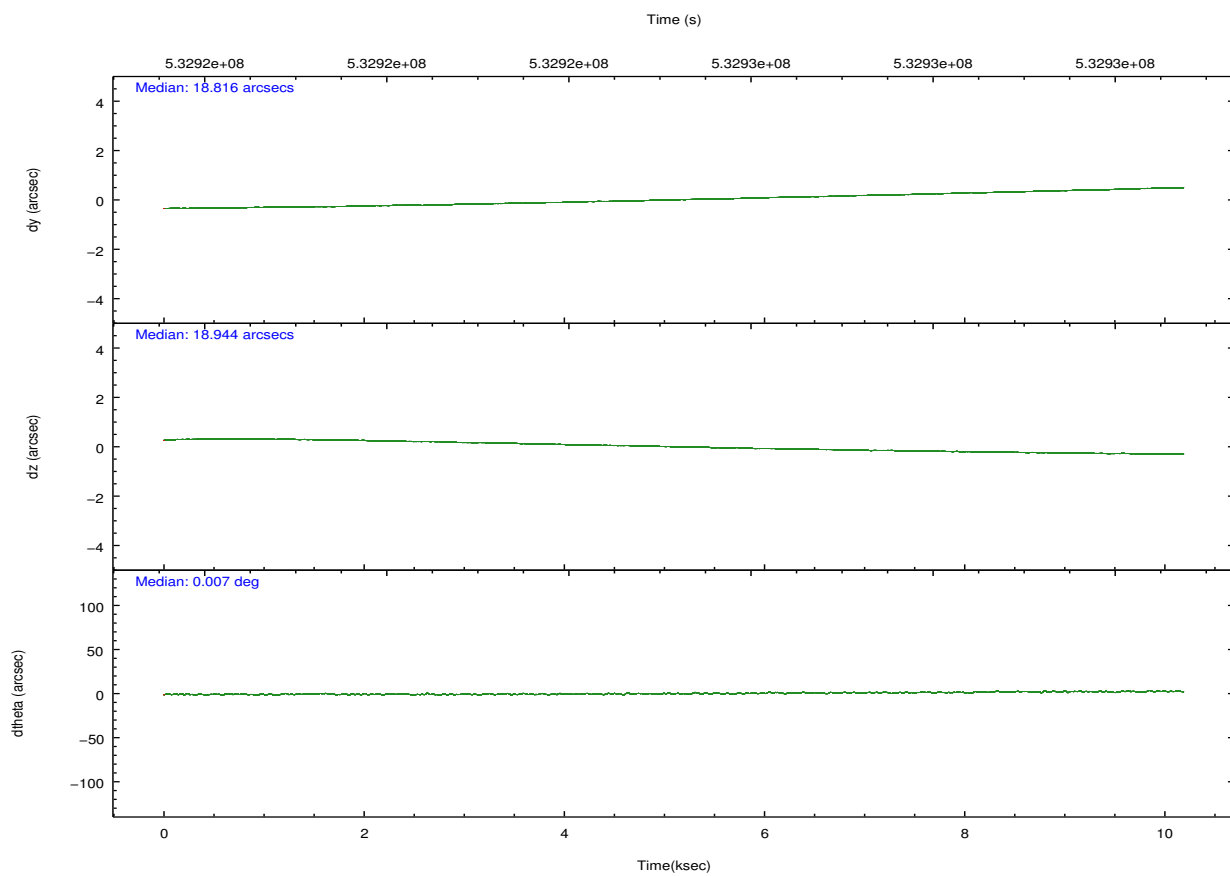
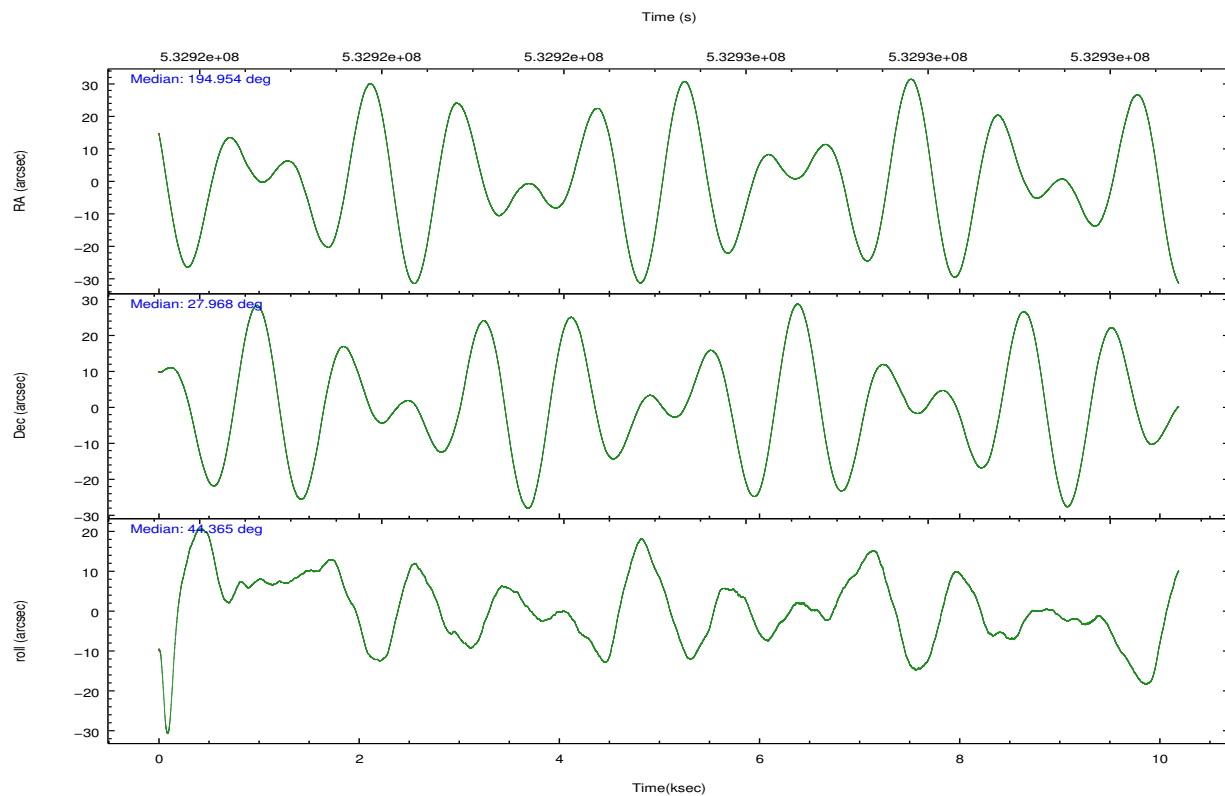
2.2 Compared Parameters

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	194.946807	194.9543787870537
[deg] Pointing Dec	27.941946	27.96839579614593
[deg] Pointing Roll	44.470859	44.37185053805071
[s] Window start time (MET)	532396867.184000	532396867.184000
[s] Window stop time (MET)	534988867.184000	534988867.184000
[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)	532920251.184000	532919589.6923
Observation start date	2014-11-21T01:23:04	2014-11-21T01:13:09
[s] Observation end time (MET)	532930251.184000	532930726.31792
Observation end date	2014-11-21T04:09:44	2014-11-21T04:18:46

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

2.3 Aspect



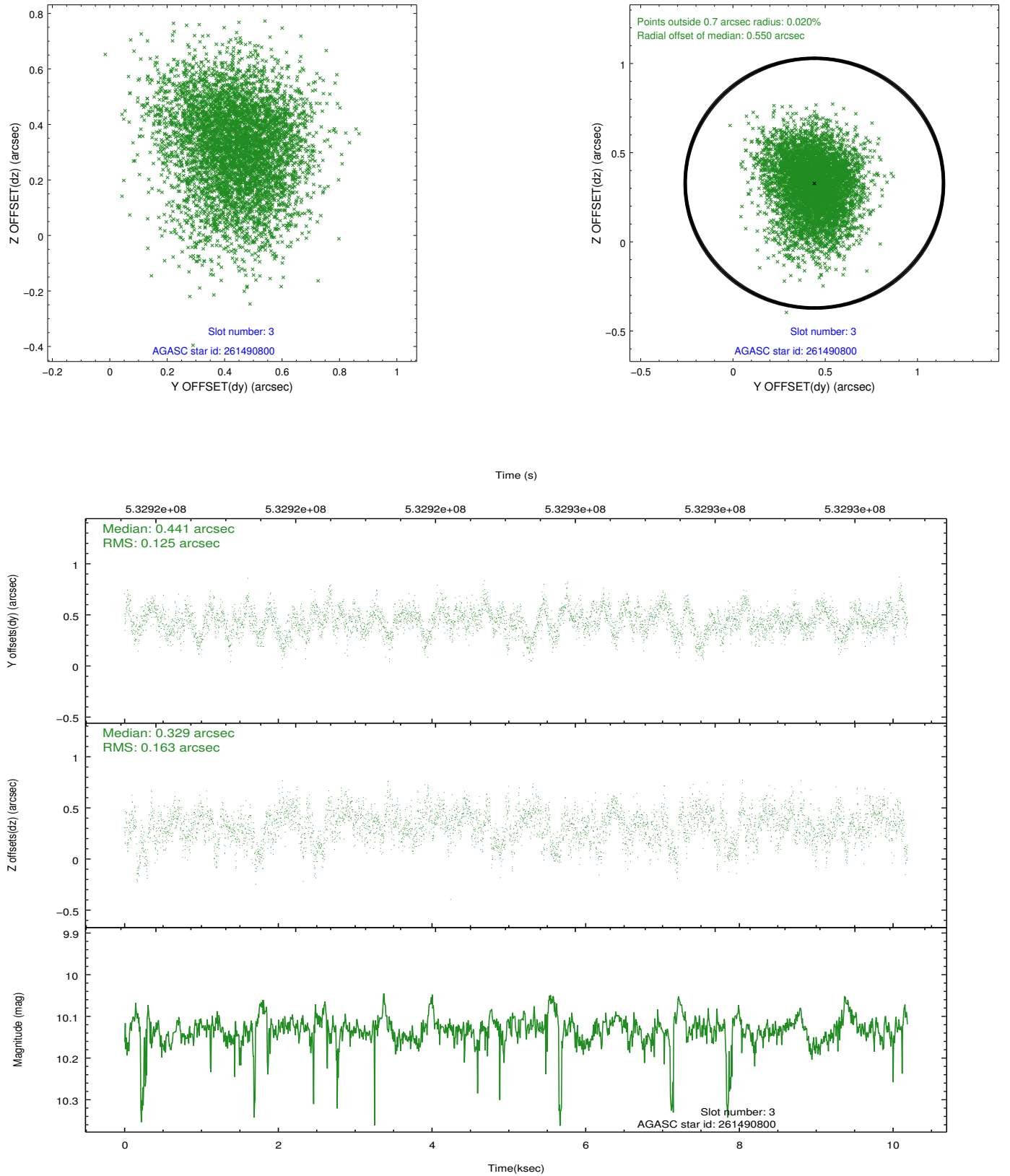


Slot Statistics

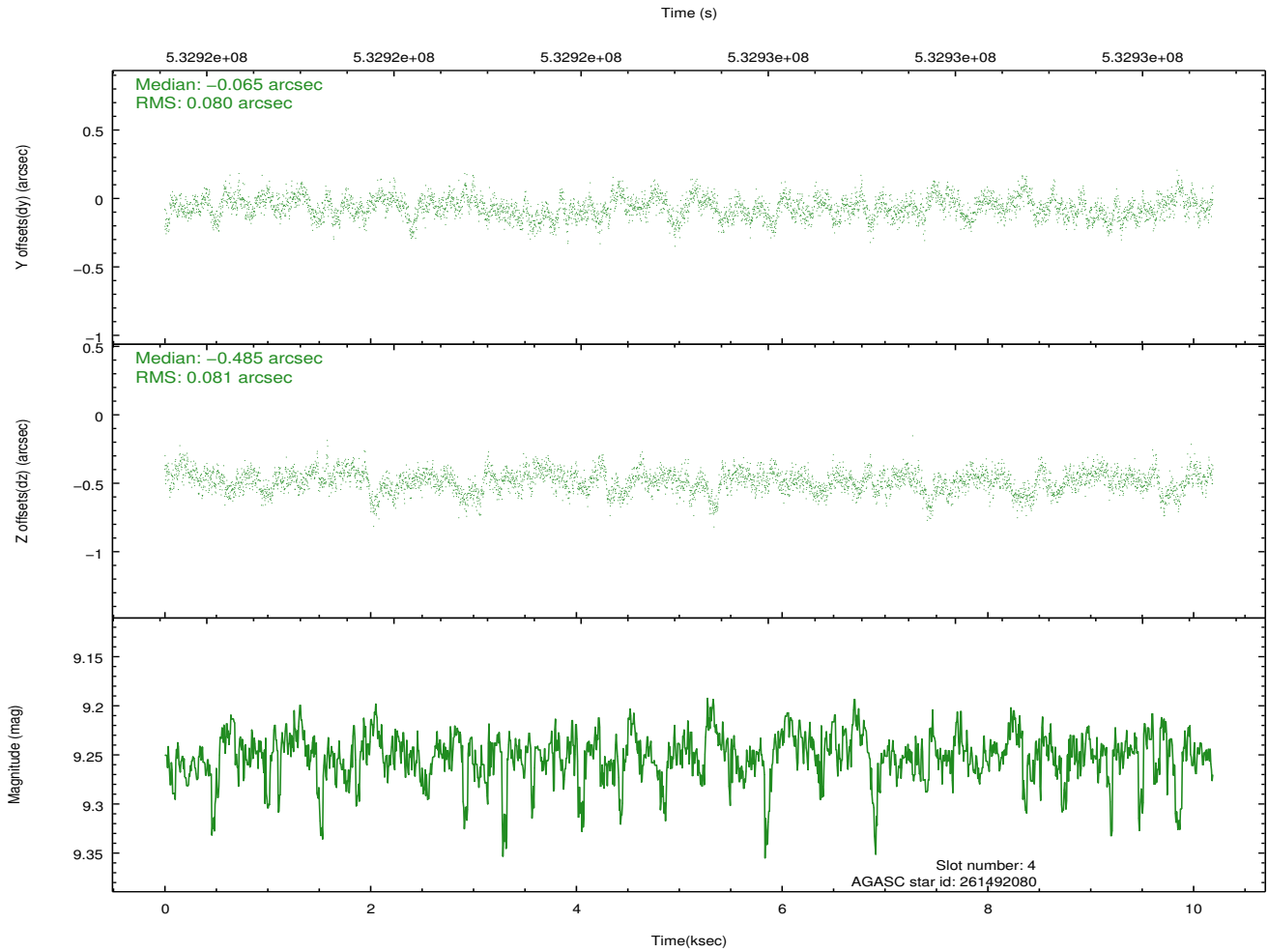
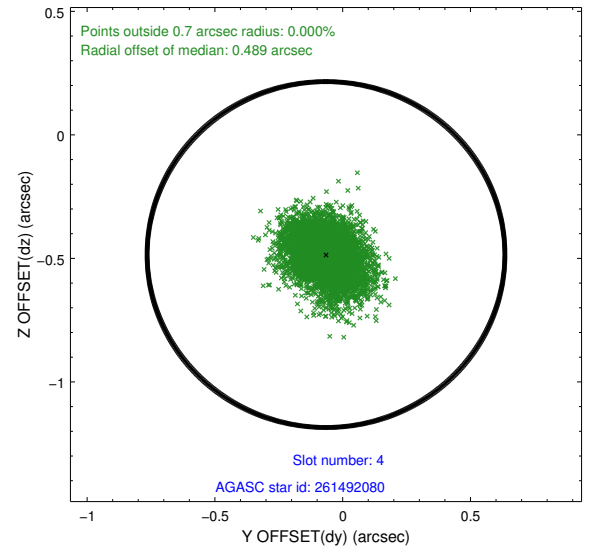
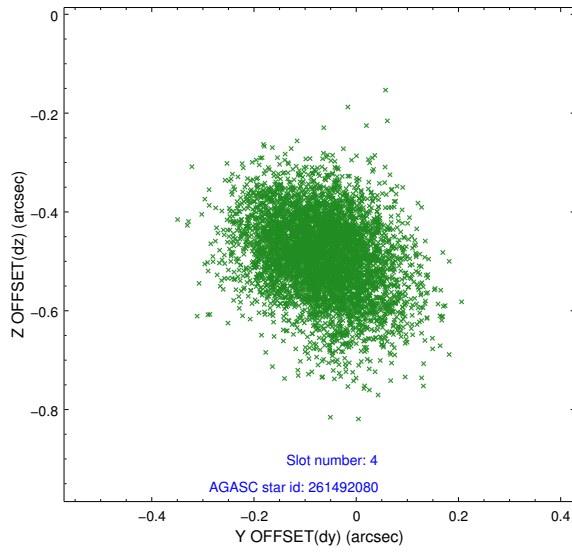
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.02	2486	-0.123	0.045	0.009	0.014	0.000000	0.000000	-774.83	-1307.13
1	FID		HRC-I-2	7.07	2486	0.288	-0.143	0.009	0.014	0.000000	0.000000	837.90	-1309.37
2	FID		HRC-I-3	7.10	2486	-0.046	0.009	0.007	0.014	0.000000	0.000000	-1202.96	996.86
3	GUIDE	used	261490800	10.13	4959	0.441	0.329	0.217	0.358	195.029641	27.224508	-1619.28	-2028.01
4	GUIDE	used	261492080	9.25	4968	-0.065	-0.485	0.120	0.199	194.976344	28.631585	1805.62	1705.88
5	GUIDE	used	261498392	8.29	4971	-1.059	0.712	0.094	0.153	194.888587	28.238913	616.73	893.64
6	GUIDE	used	261502496	7.34	4971	0.212	-0.629	0.094	0.152	194.887297	28.065668	177.76	450.10
7	GUIDE	used	261505232	9.74	4961	0.478	0.093	0.180	0.287	194.216553	27.802521	-2006.01	1274.60

2.4 Star Slots

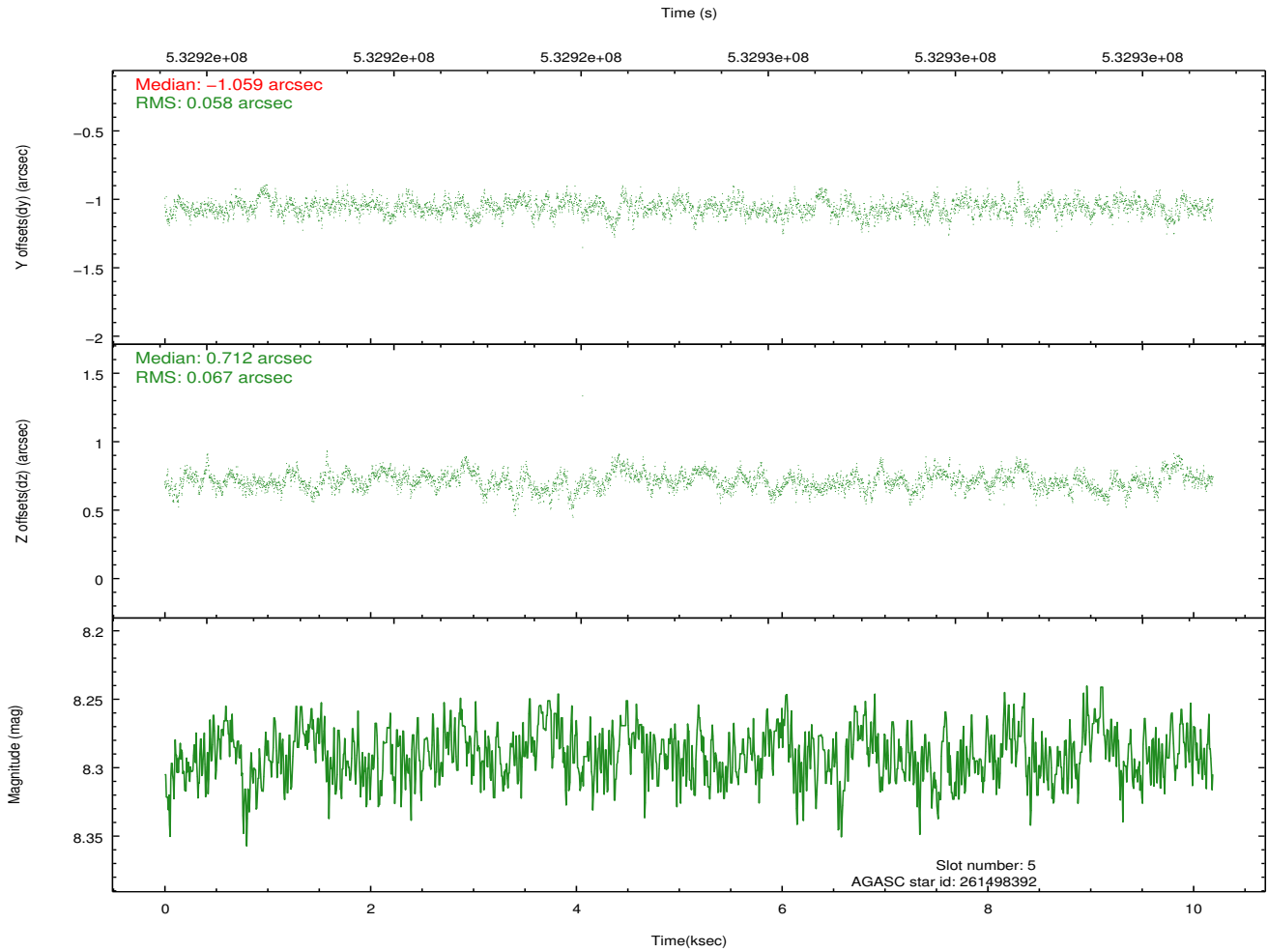
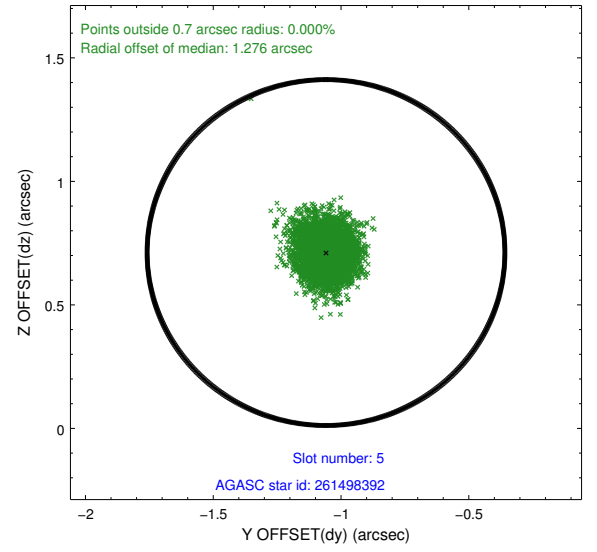
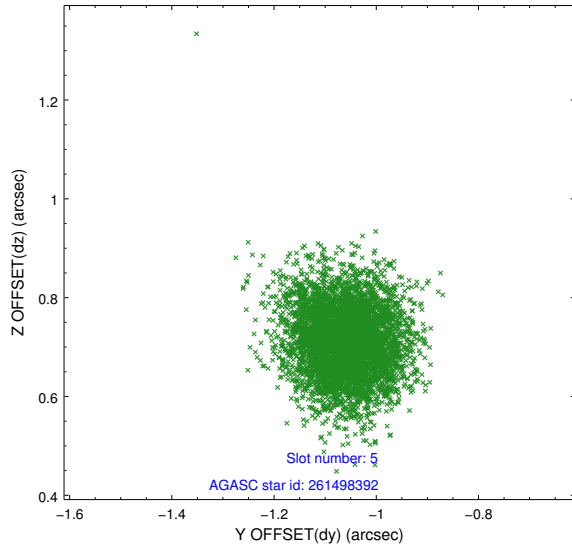
2.4.1 Slot 3



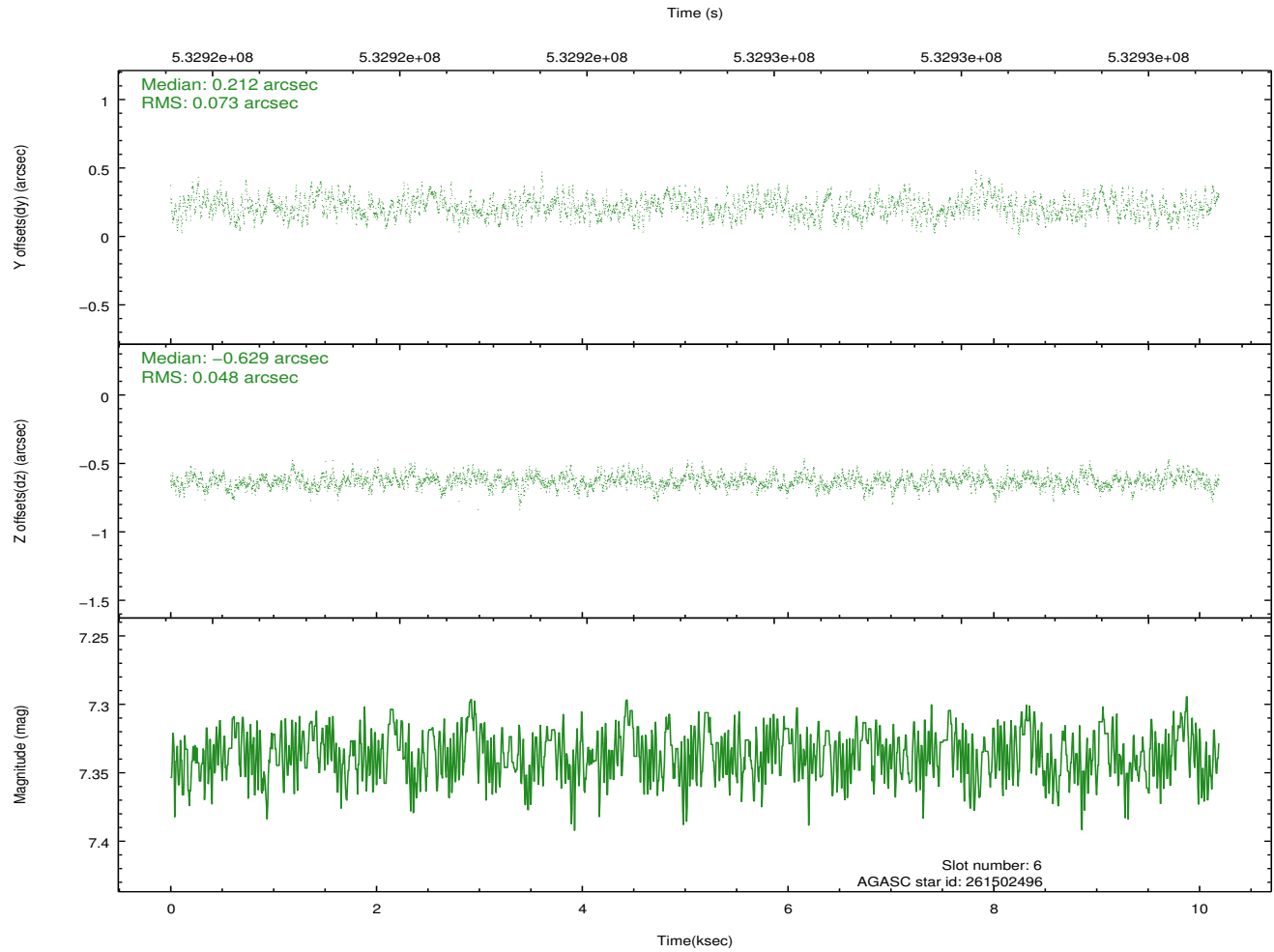
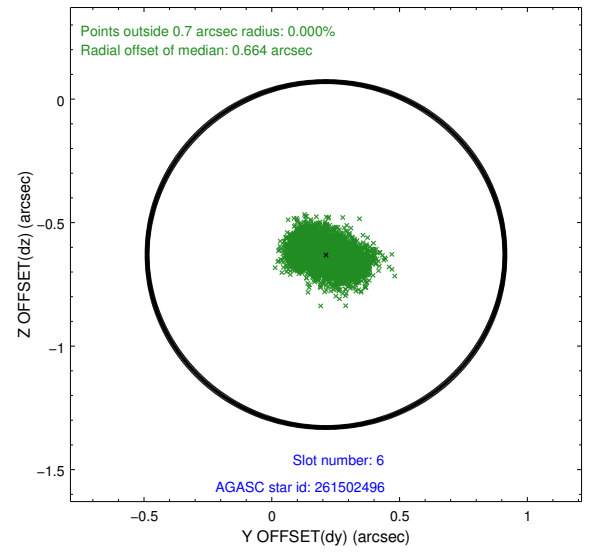
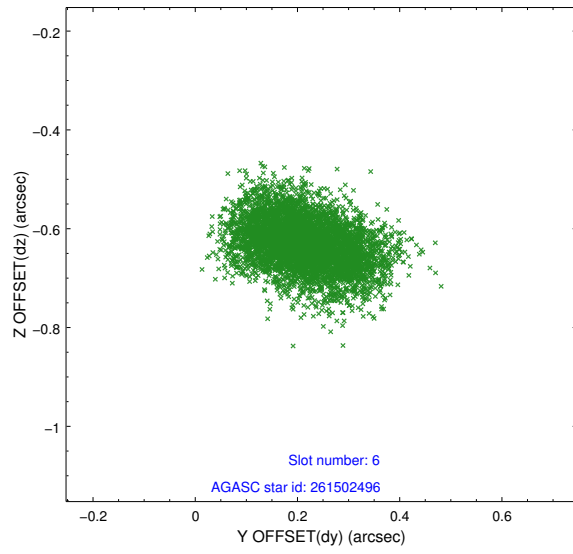
2.4.2 Slot 4



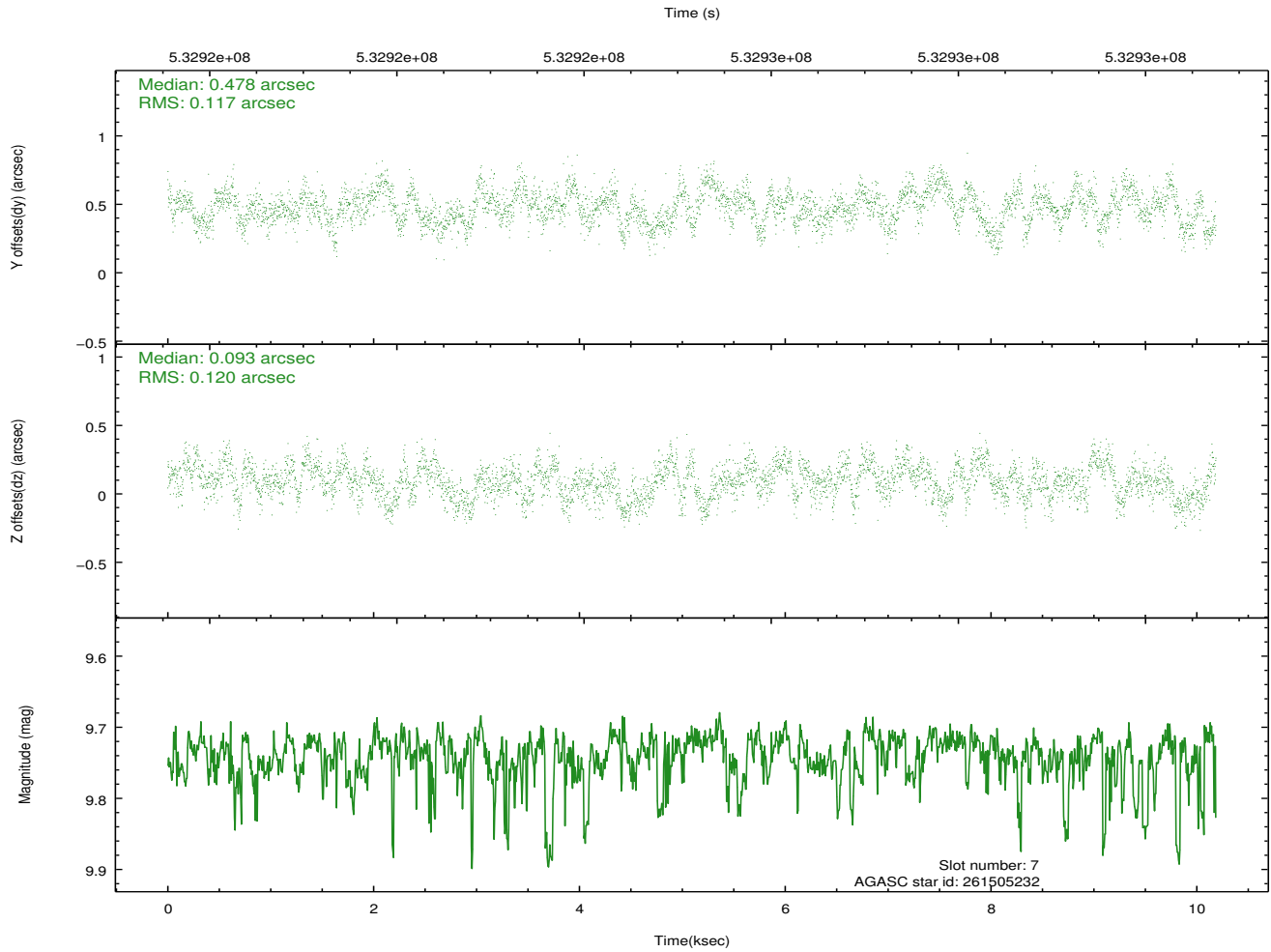
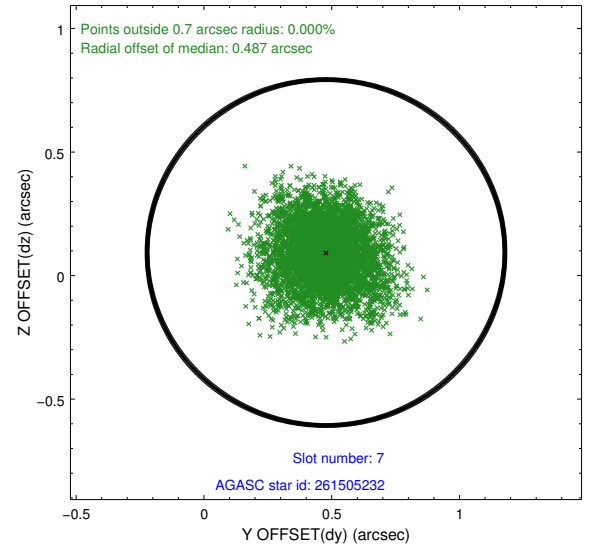
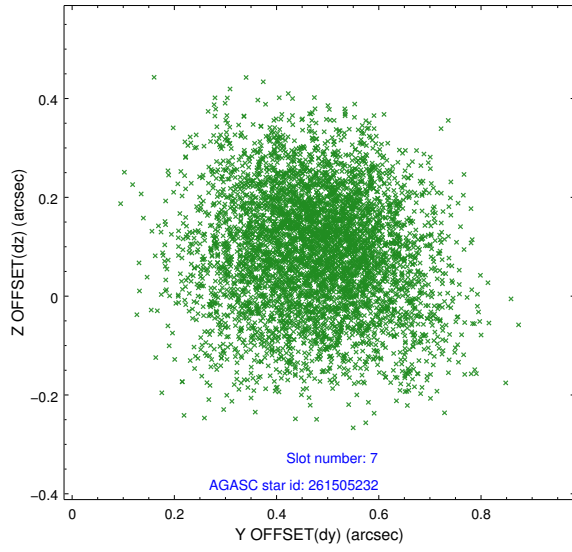
2.4.3 Slot 5



2.4.4 Slot 6

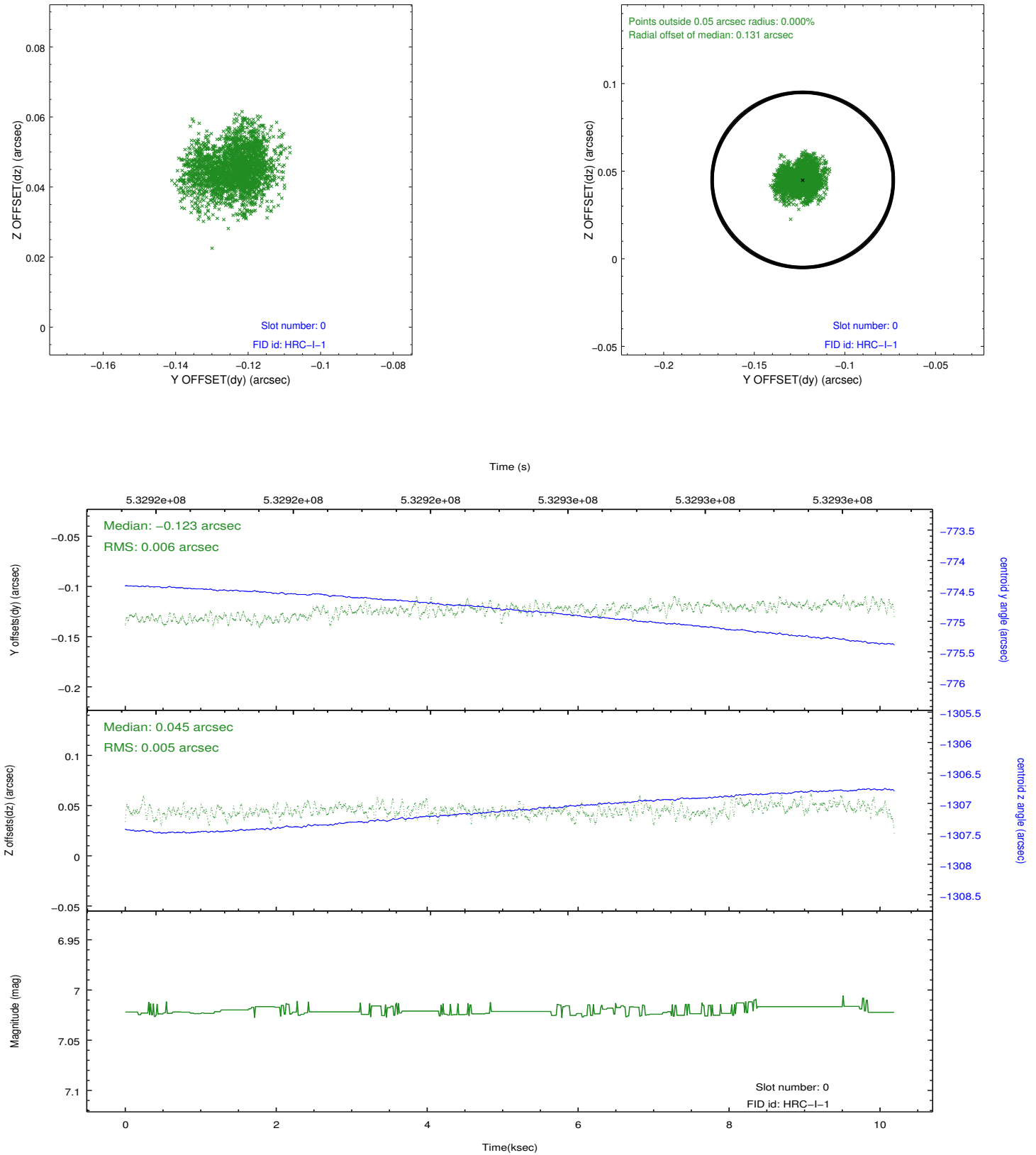


2.4.5 Slot 7

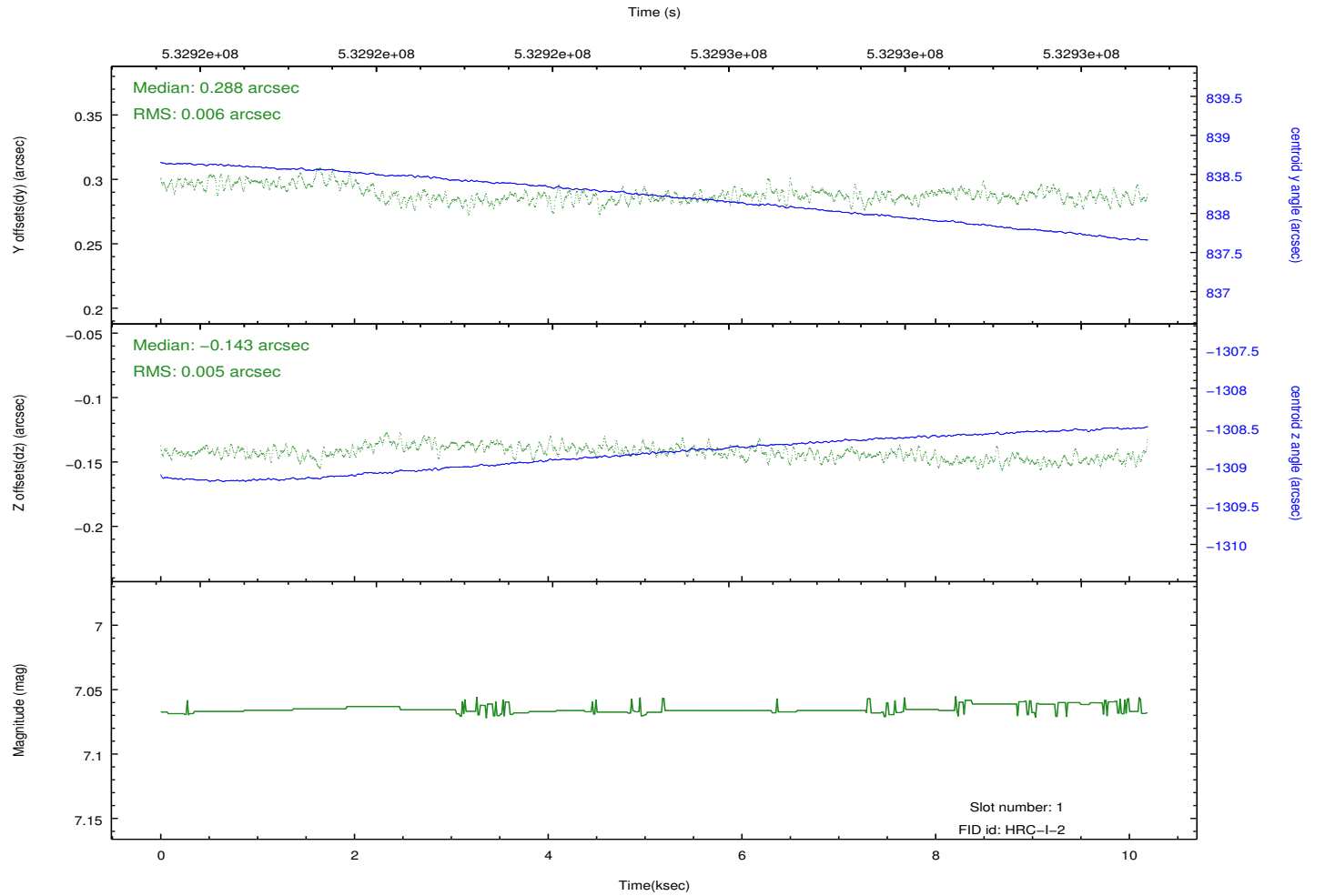
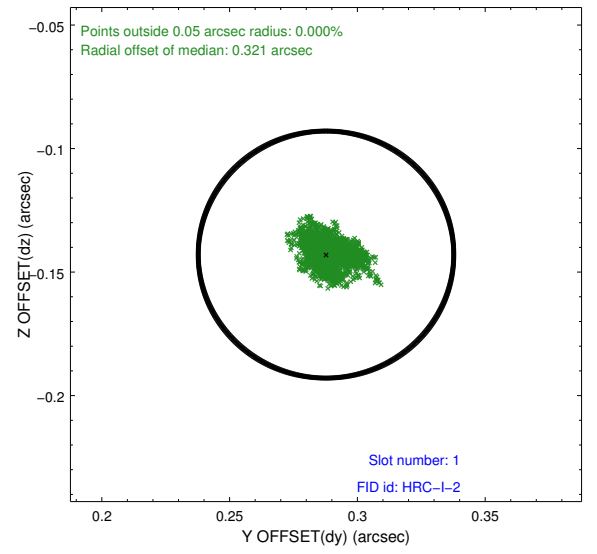
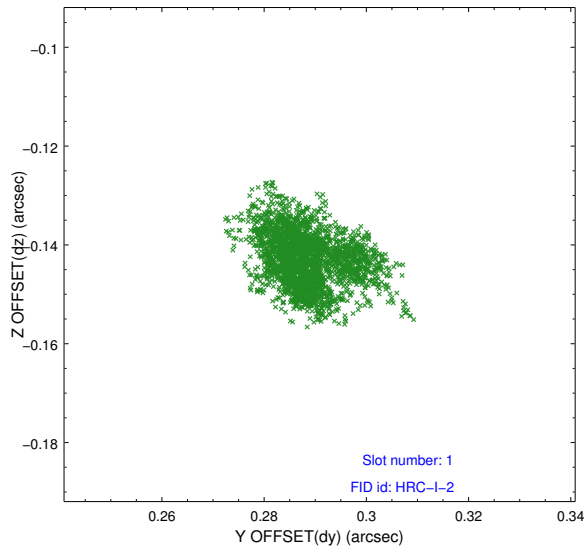


2.5 FID Slots

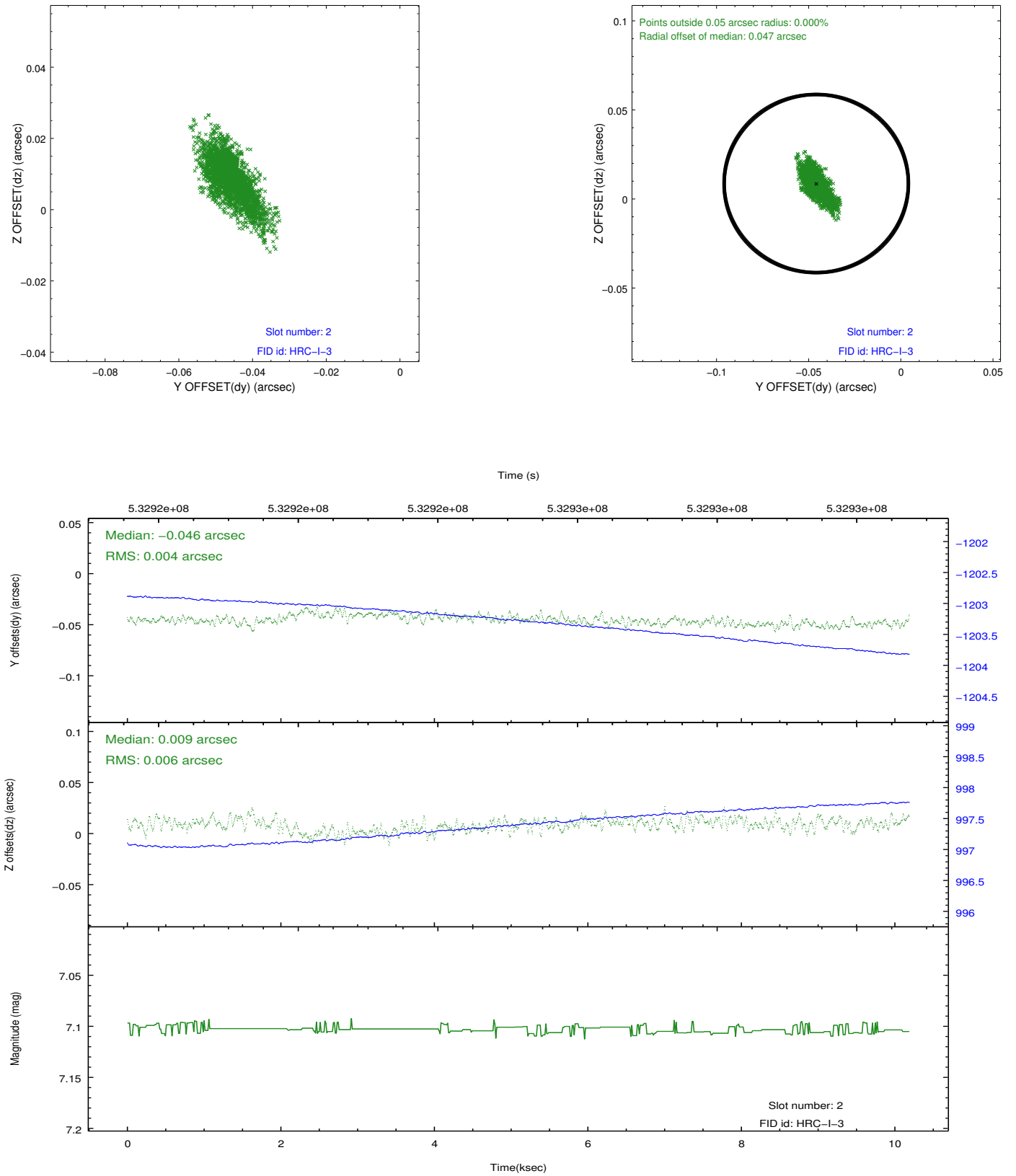
2.5.1 Slot 0



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)	2014.11.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.187731817067

A.2 Comments

Window constraint met.