

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5926 - L2 Version 4
Chandra X-Ray Center

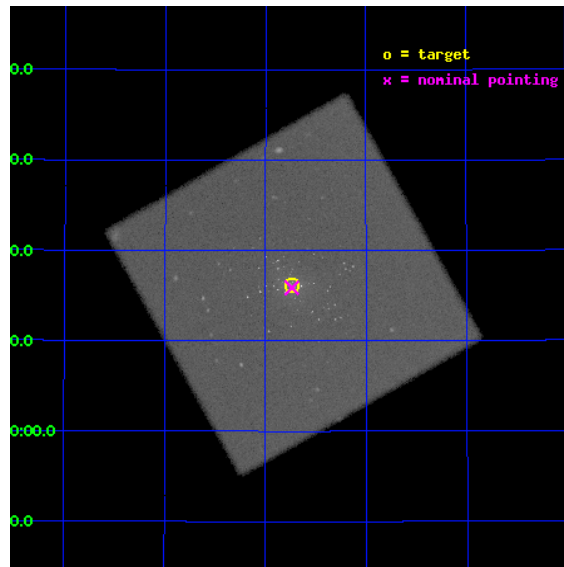
L2 Processing Date : Dec 15 2012

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	600445	Sequence number
obs_id	5926	Observation id
title	M31* - The Nearest Extra-galactic SuperMassive Black Hole	Proposal
observer	Dr. Michael Garcia	Principal investigator
object	M31*	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.684339892119	Nominal RA [deg]
dec_nom	41.264789927264	Nominal Dec [deg]
roll_nom	285.63242607306	Nominal Roll [deg]
revision	4	Processing version of data
ontime	28474.50128296	[s]
livedtime	28265.388761131	Ontime multiplied by DTCOR
l2events	1167177	Number of level 2 events

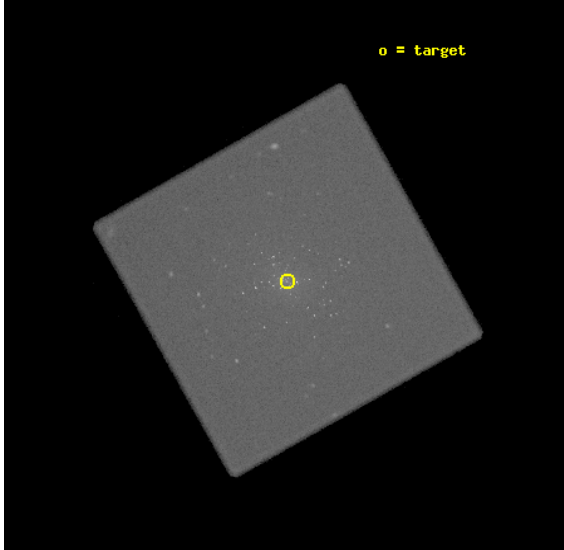


2 OBI

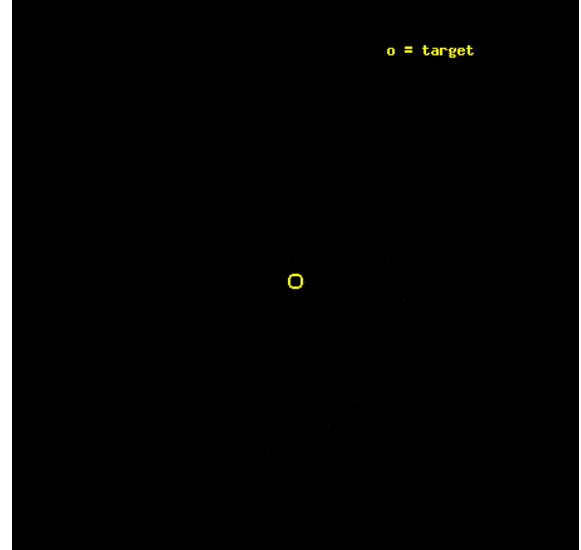
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	28300.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	28474.50128296	[s]
caldbver	4.5.5	 	l1events	1774591	Number of level 1 events
date	2012-12-15T06:01:38	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

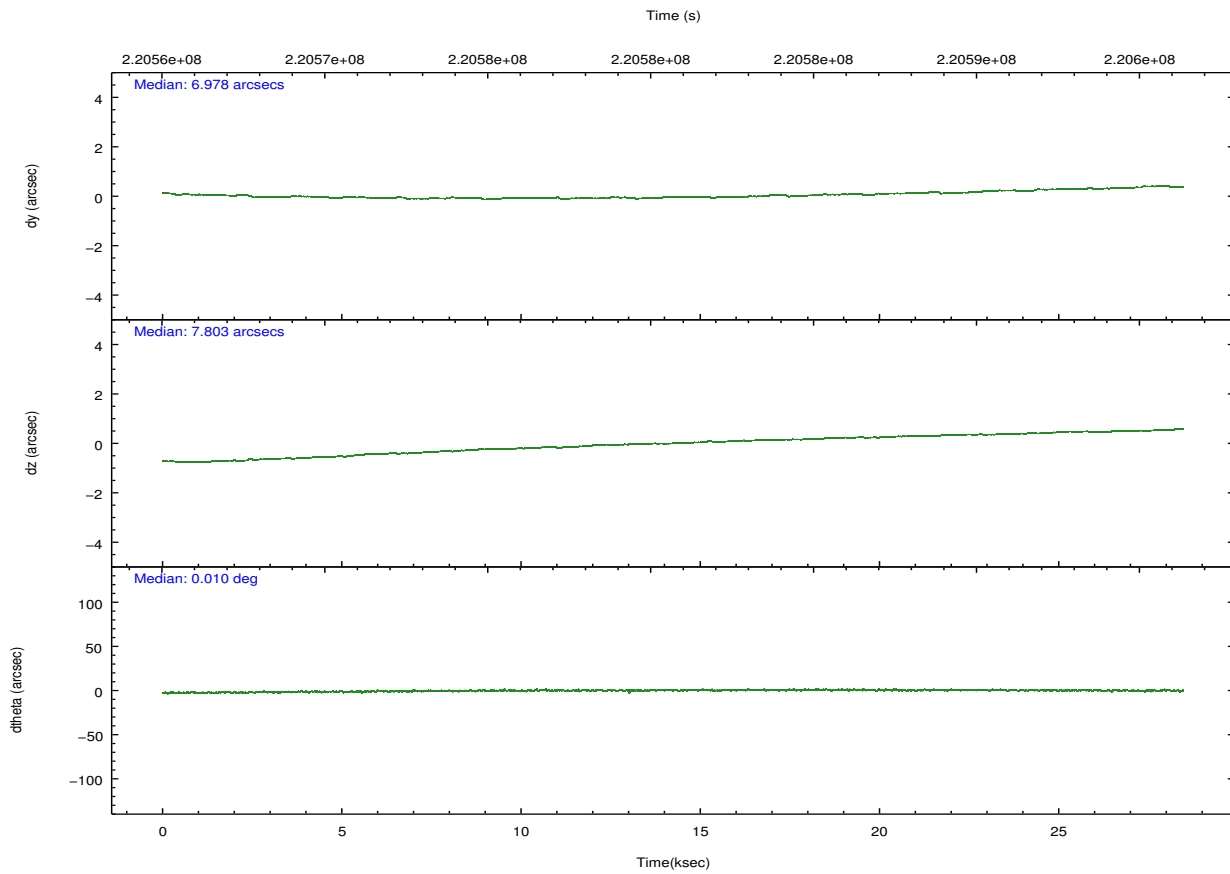
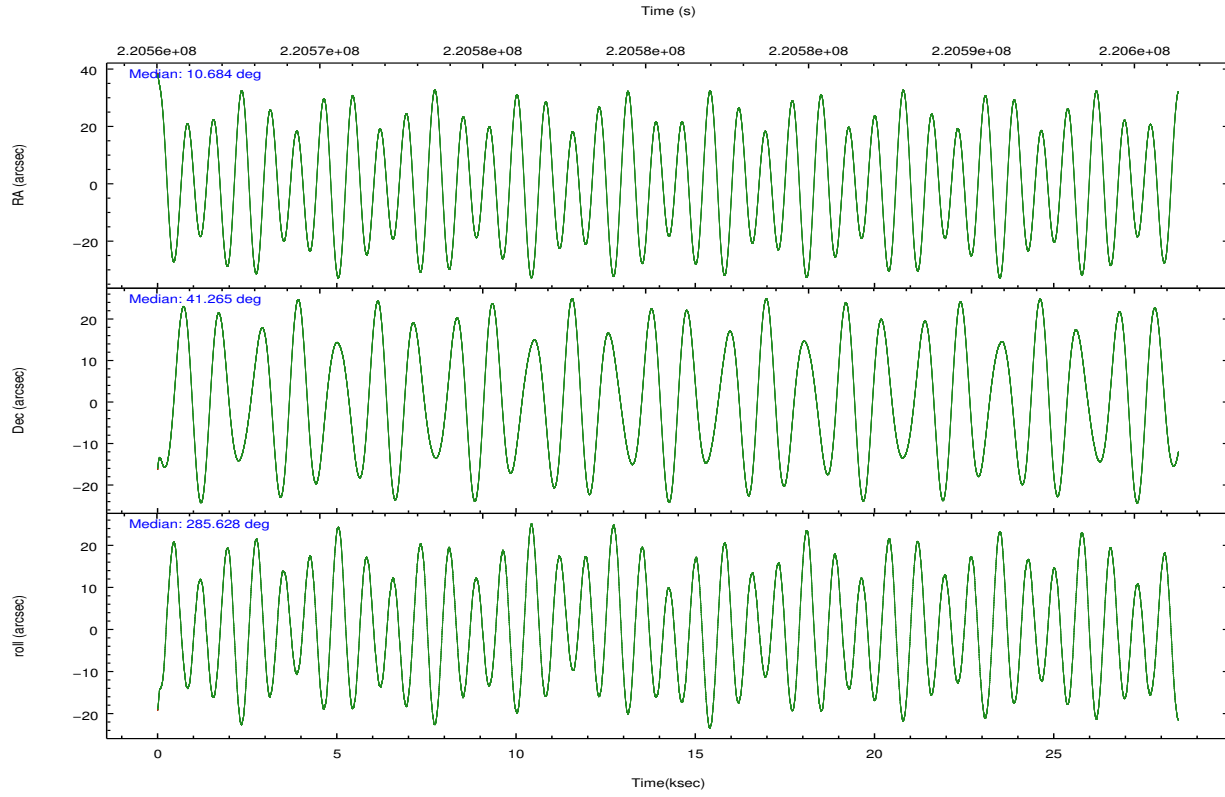
Level 1 Events

	segment 0
level 1 events	1774591
rejected events	50571
rejected %	2%

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	10.657967	10.68433989211918			
[deg] Pointing Dec	41.283329	41.26478992726443			
[deg] Pointing Roll	285.745315	285.6324260730568			
[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)	220566627.184000	220565681.59582			
Observation start date	2004-12-27T20:29:23	2004-12-27T20:14:41			
[s] Observation end time (MET)	220594927.184000	220595686.42217			
Observation end date	2004-12-28T04:21:03	2004-12-28T04:34:46			

2.3 Aspect

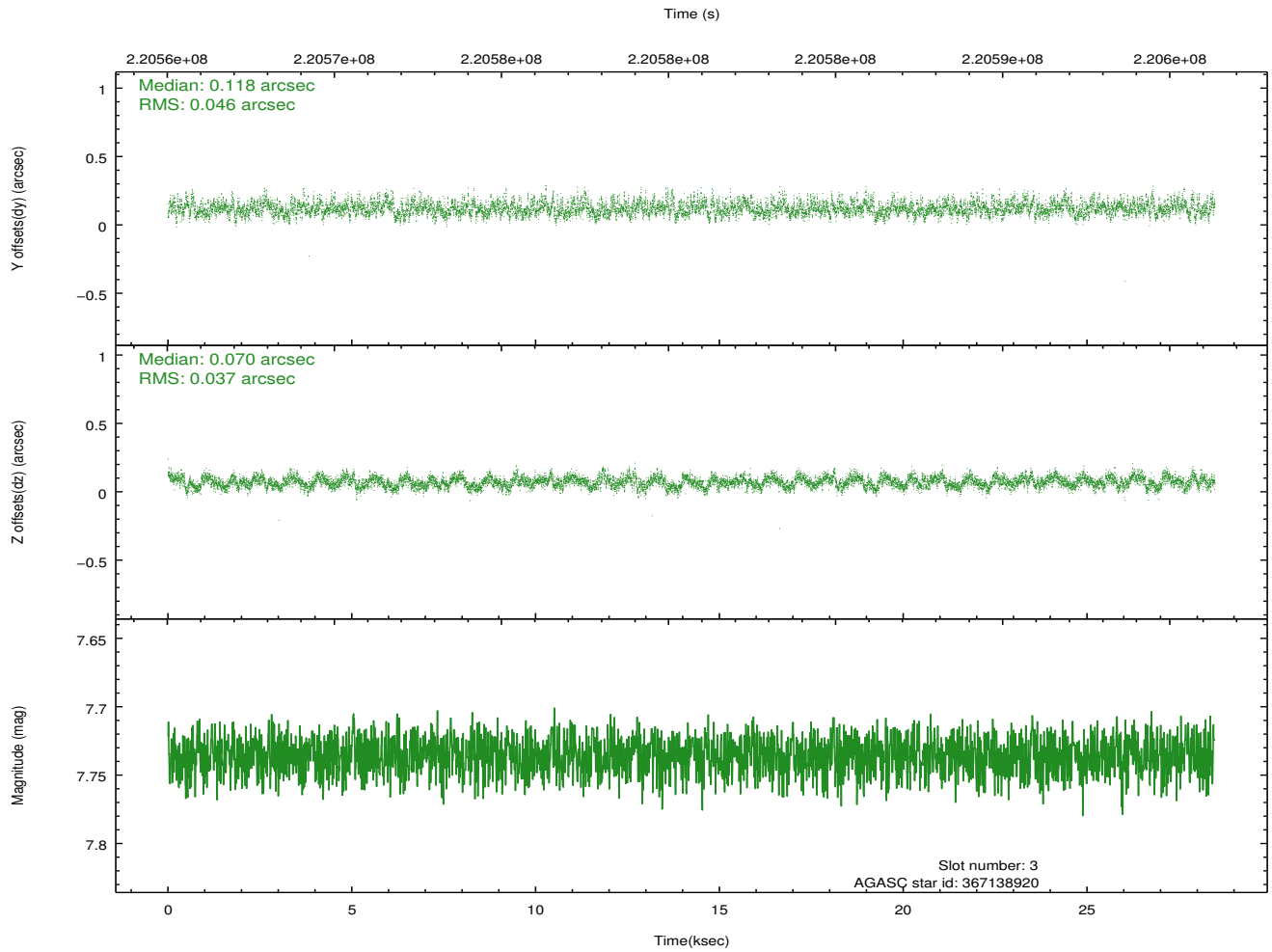
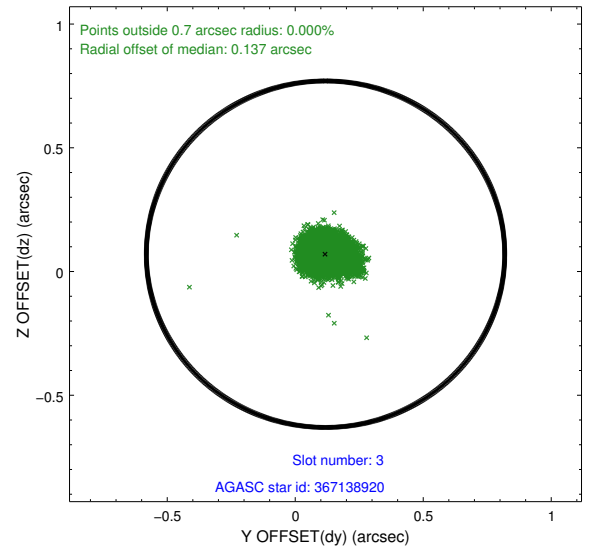
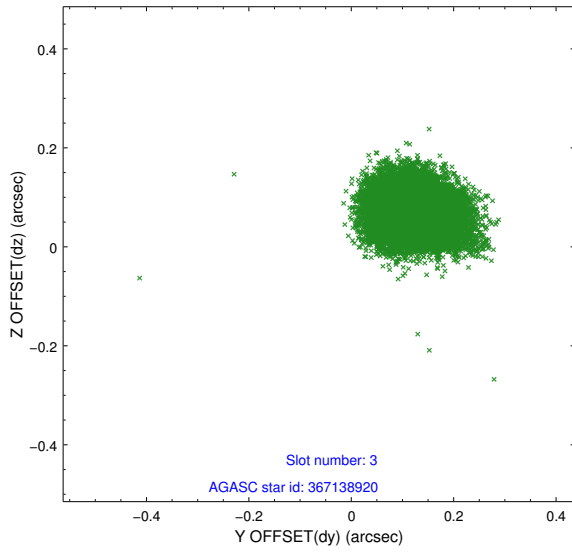


Slot Statistics

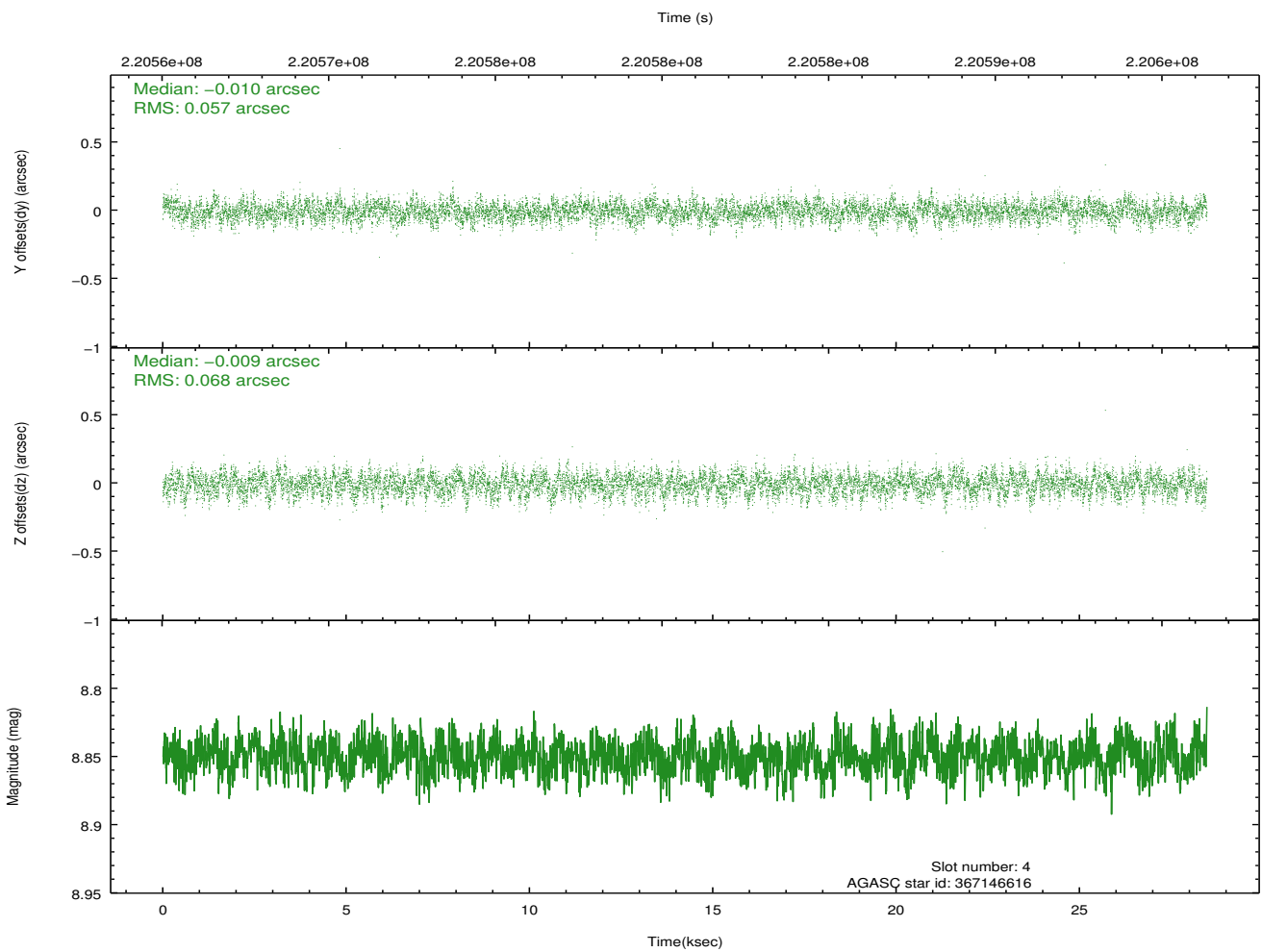
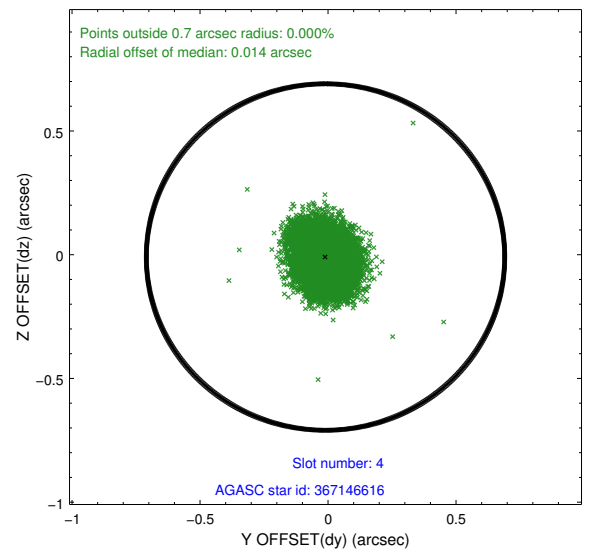
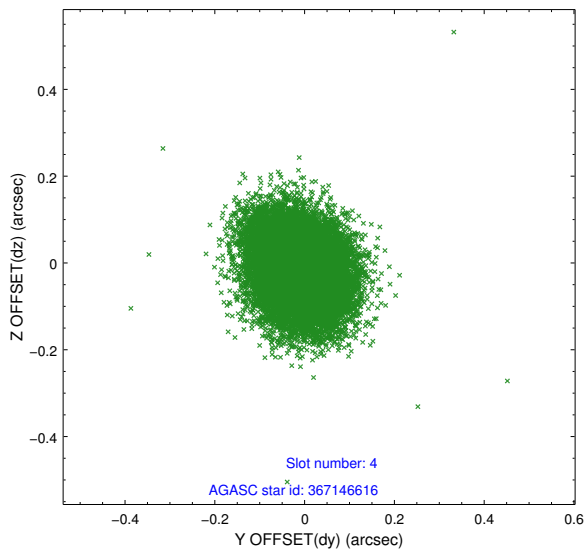
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	6946	0.015	0.041	0.020	0.034	0.000000	0.000000	-762.63	-1295.58
1	FID	HRC-I-2	7.02	6945	0.111	-0.100	0.012	0.023	0.000000	0.000000	849.99	-1297.50
2	FID	HRC-I-3	7.07	6946	-0.008	-0.030	0.012	0.019	0.000000	0.000000	-1190.97	1008.74
3	GUIDE	367138920	7.74	13890	0.118	0.070	0.063	0.102	11.513485	40.808909	2265.90	1783.97
4	GUIDE	367146616	8.85	13887	-0.010	-0.009	0.095	0.152	11.418645	41.190163	873.44	1895.05
5	GUIDE	367148872	7.23	13891	0.020	-0.023	0.074	0.119	10.505940	40.688258	1949.44	-980.57
6	GUIDE	367658664	9.61	13881	-0.015	-0.010	0.110	0.186	10.374070	41.369746	-508.52	-653.56
7	GUIDE	367663272	9.29	13805	-0.118	-0.025	0.089	0.144	10.656279	41.699429	-1443.06	401.41

2.4 Star Slots

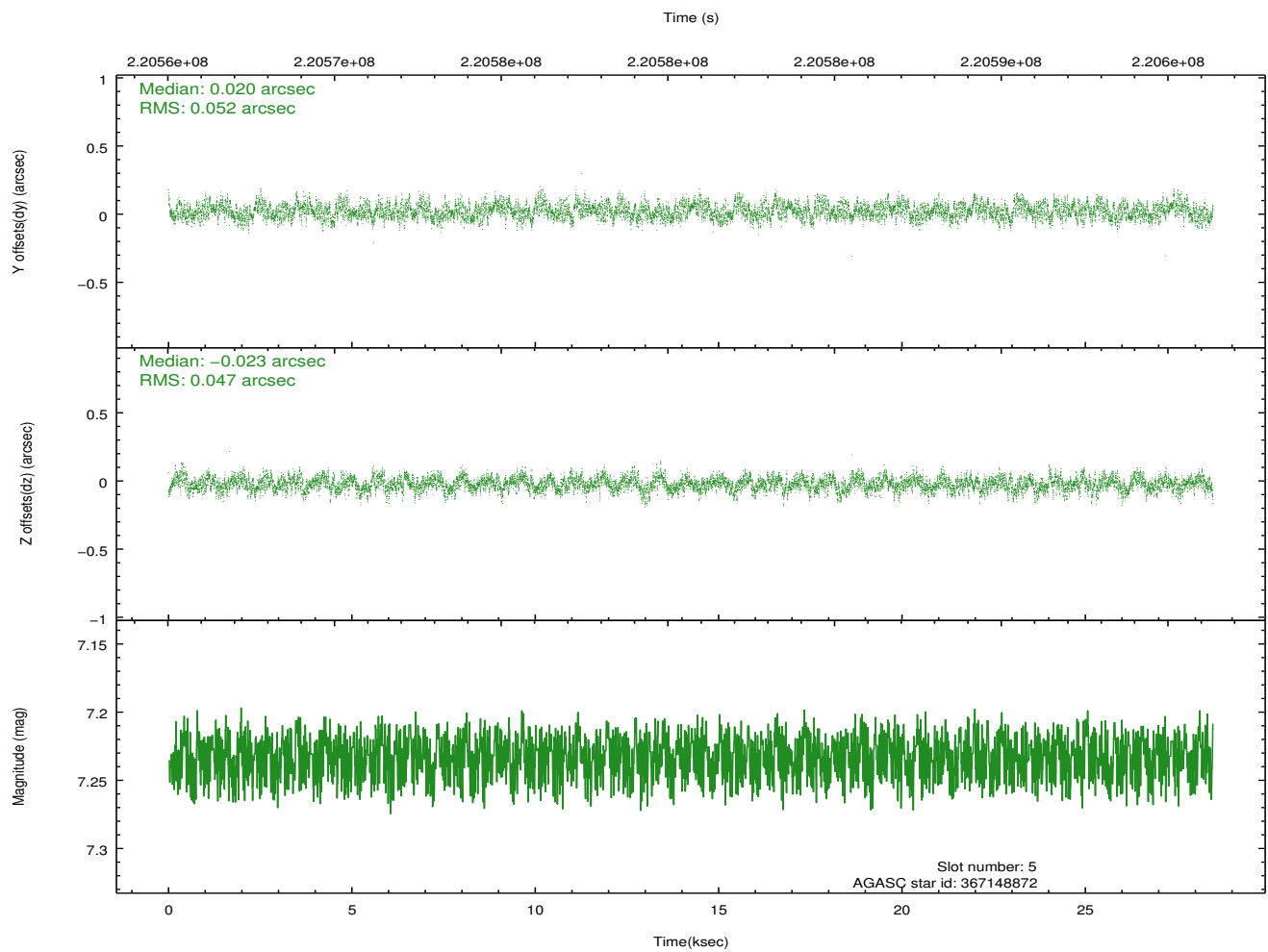
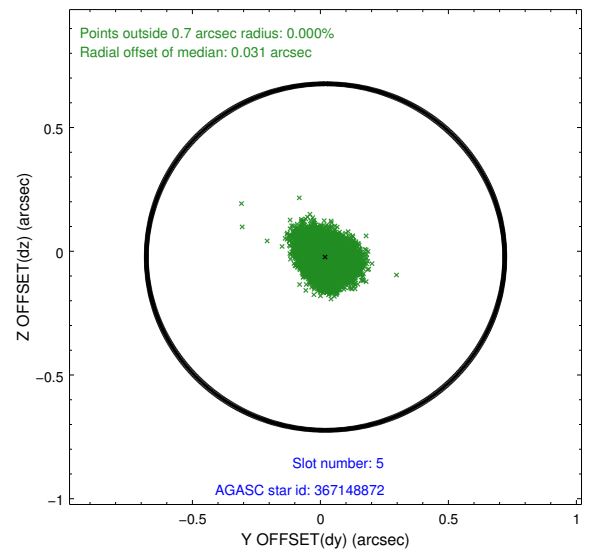
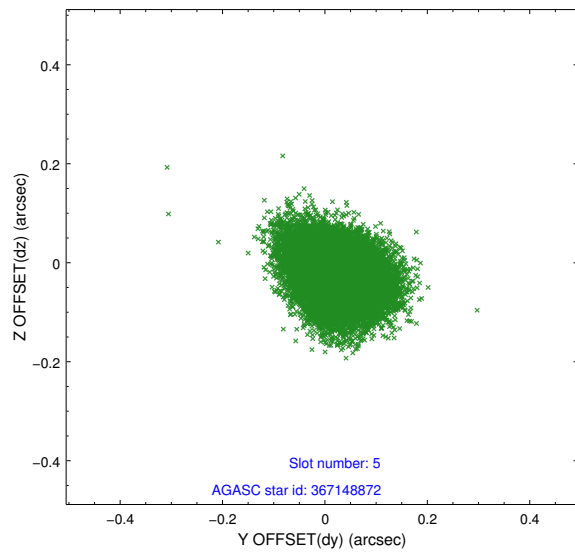
2.4.1 Slot 3



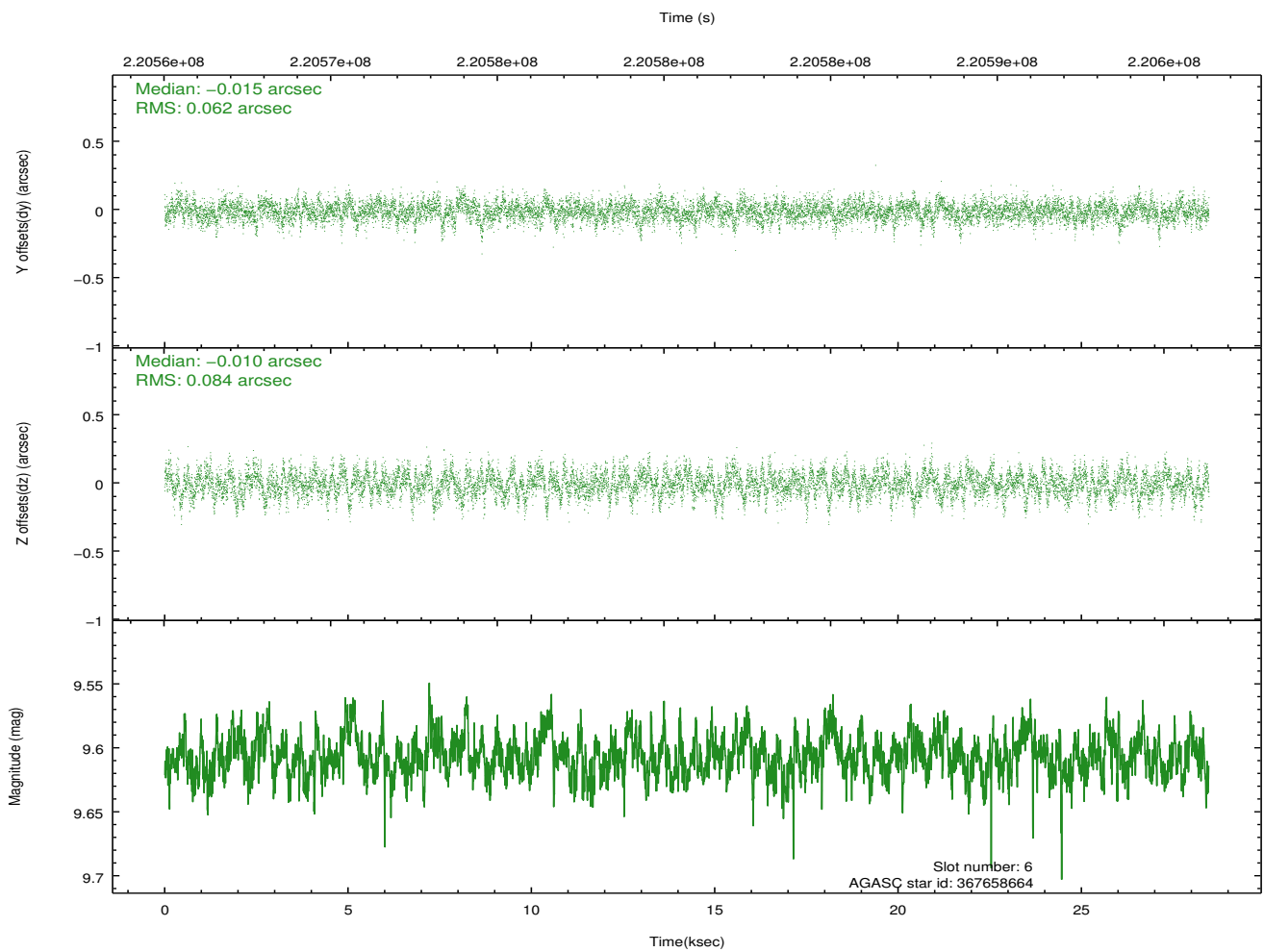
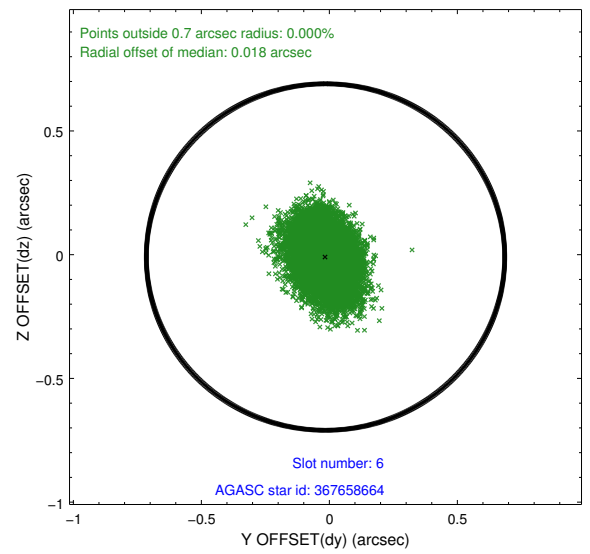
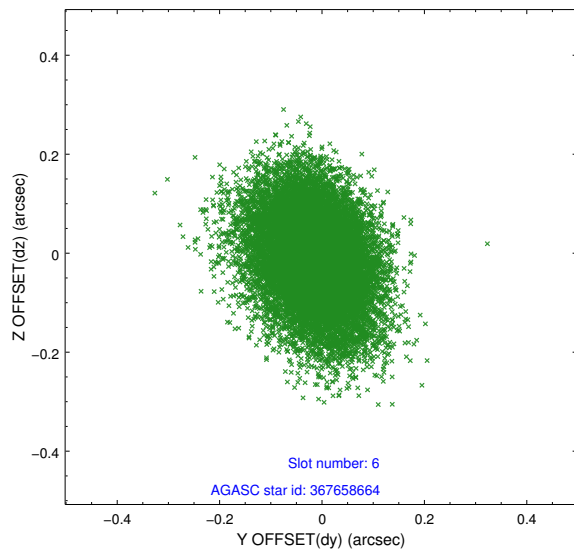
2.4.2 Slot 4



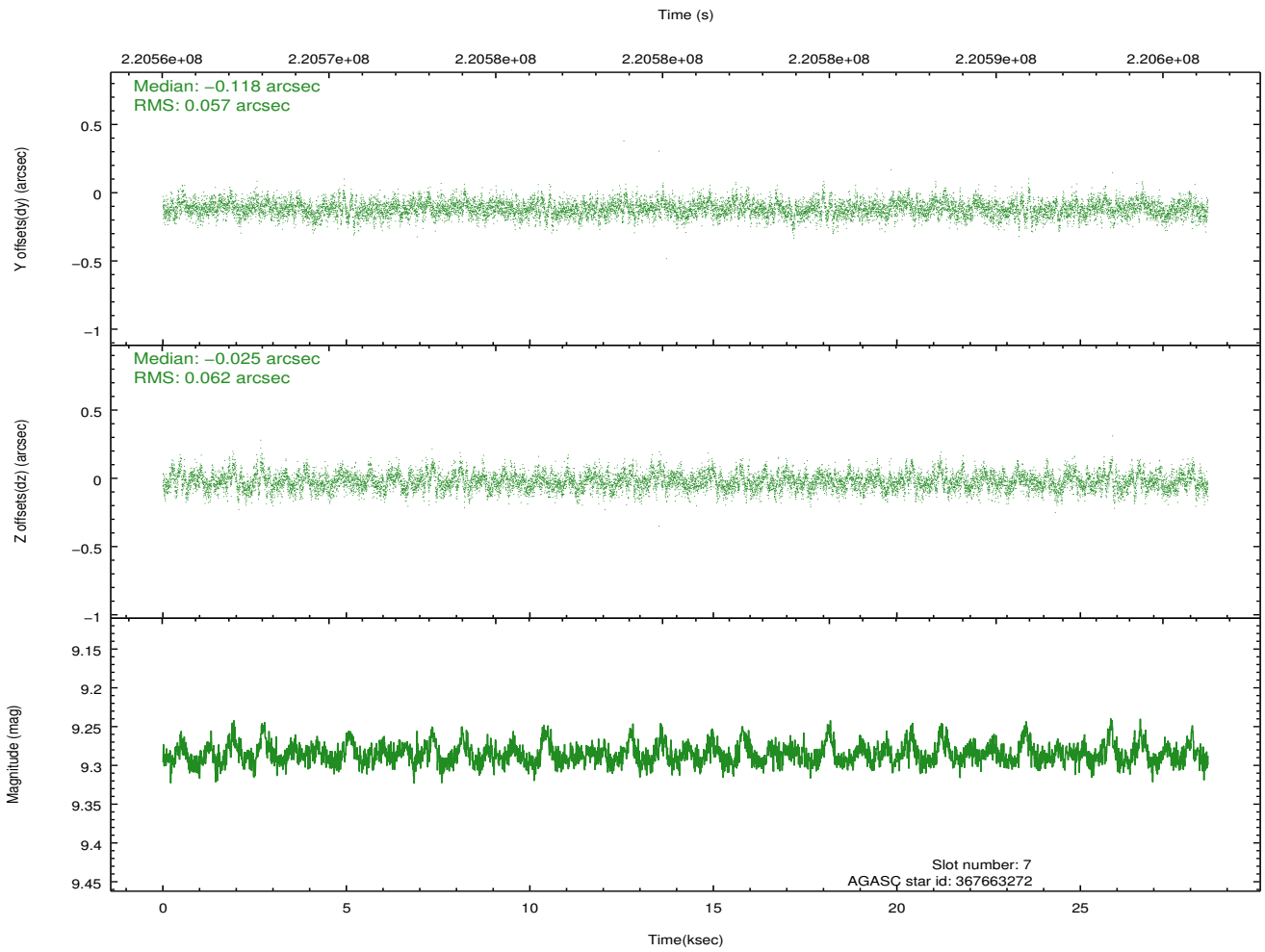
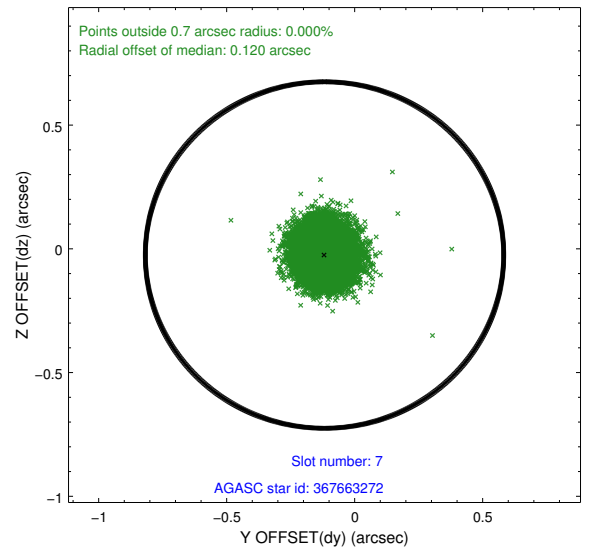
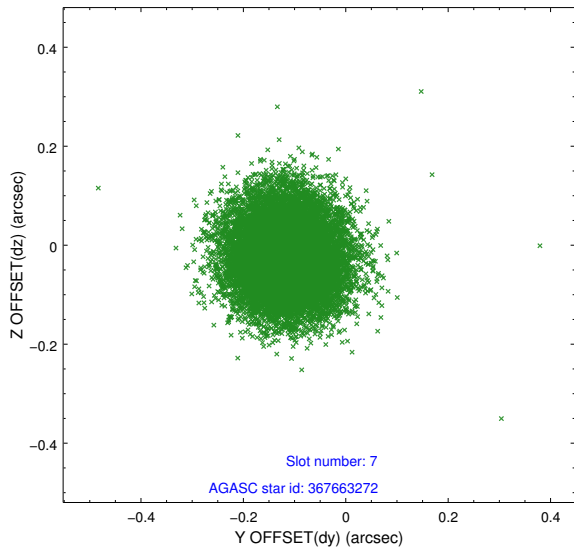
2.4.3 Slot 5



2.4.4 Slot 6

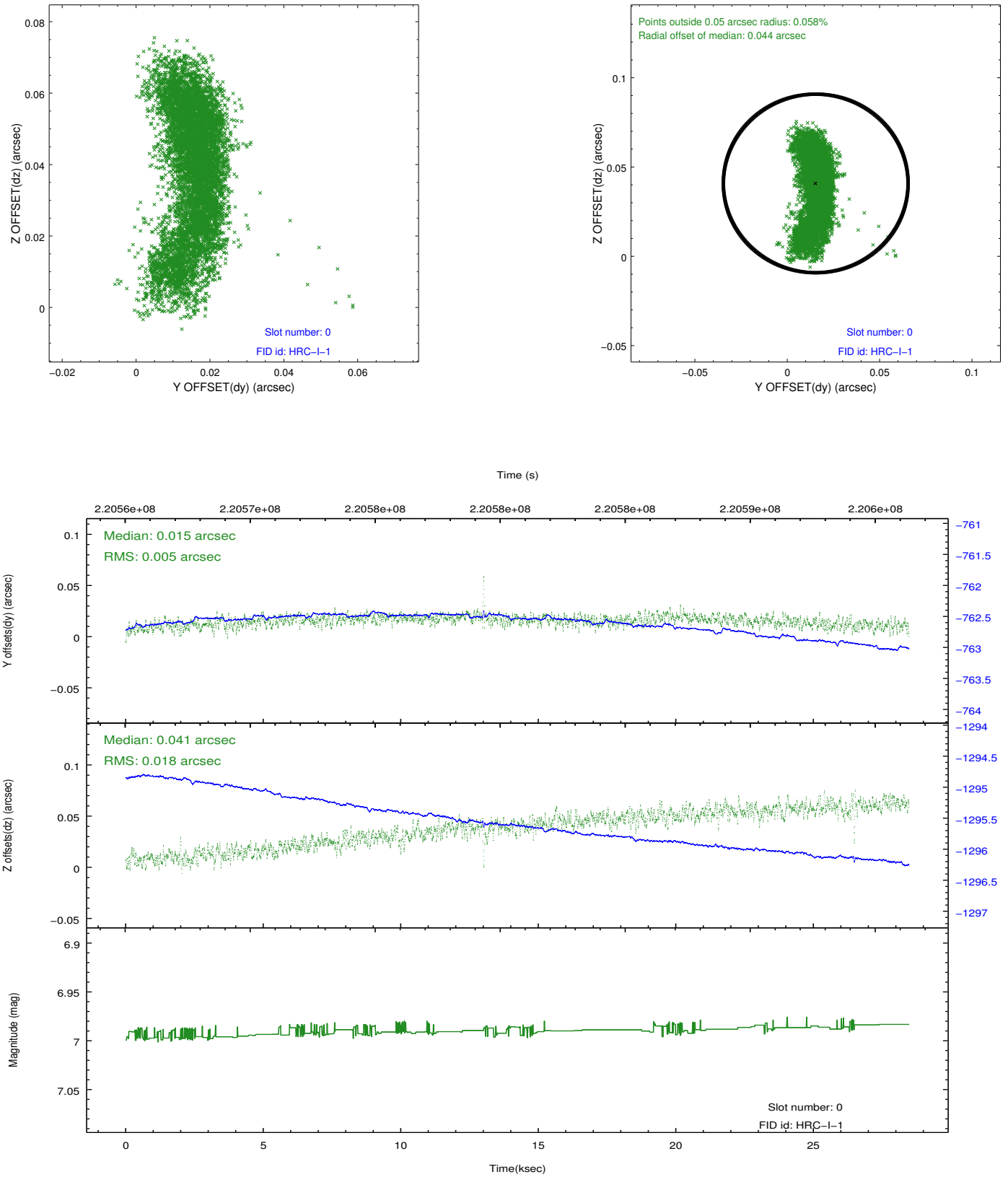


2.4.5 Slot 7

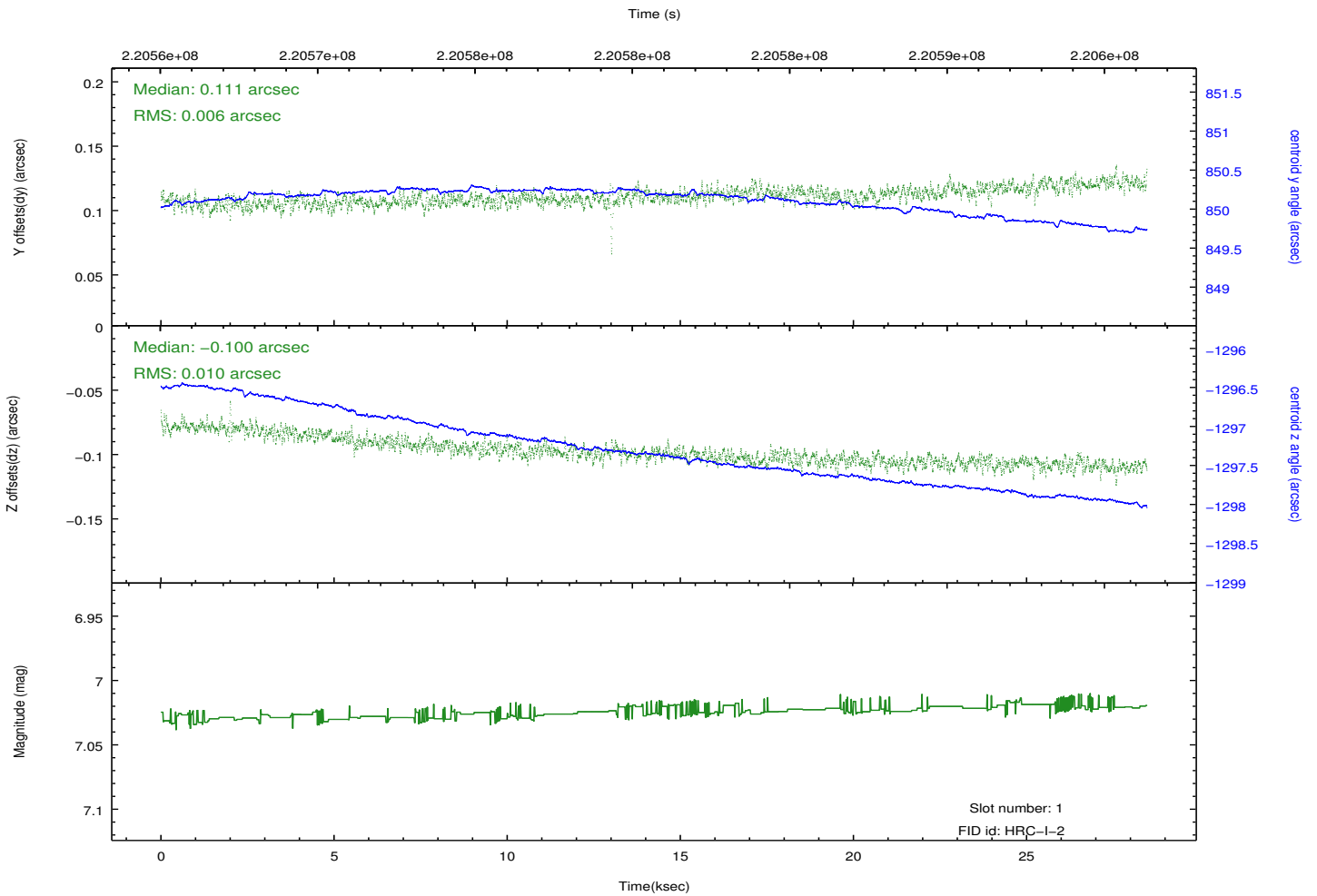
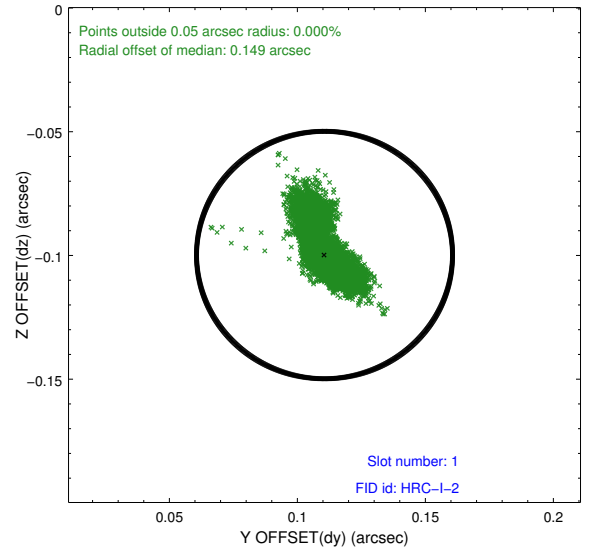
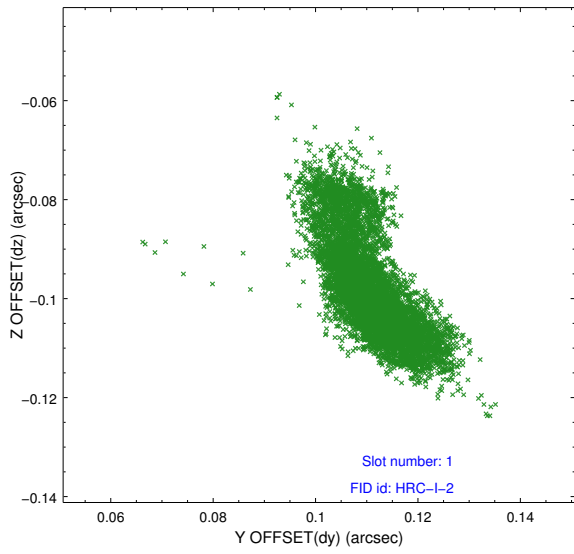


2.5 FID Slots

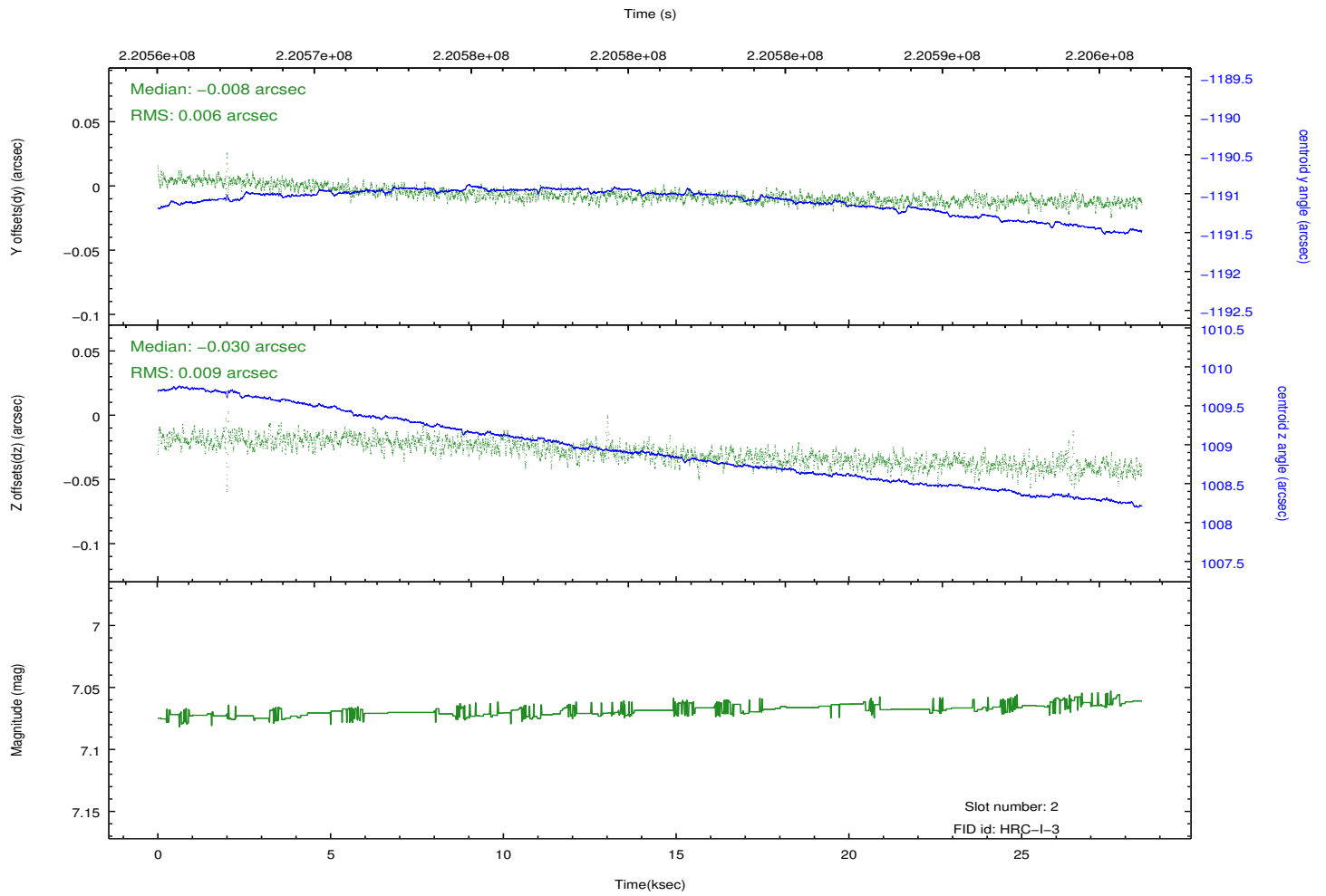
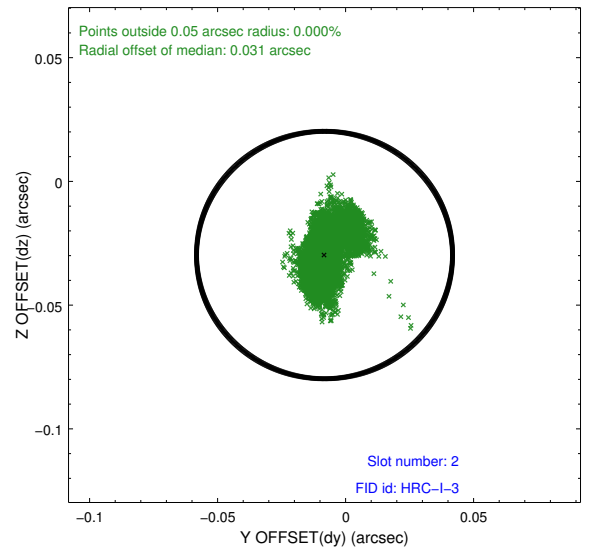
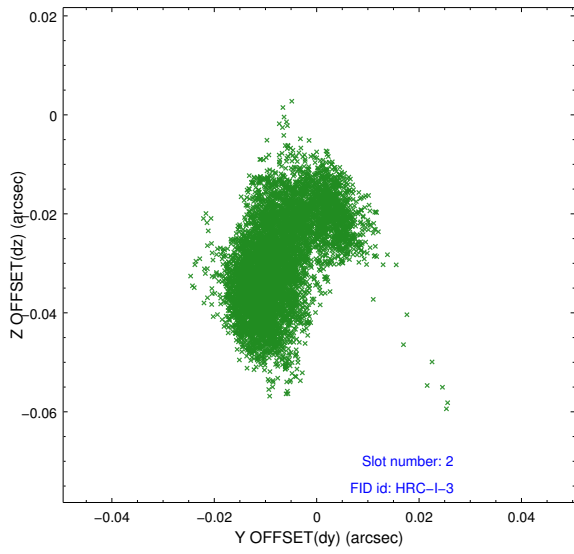
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.4745

A.2 Comments

Joint Proposal: NRAO