

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5655 - L2 Version 3
Chandra X-Ray Center

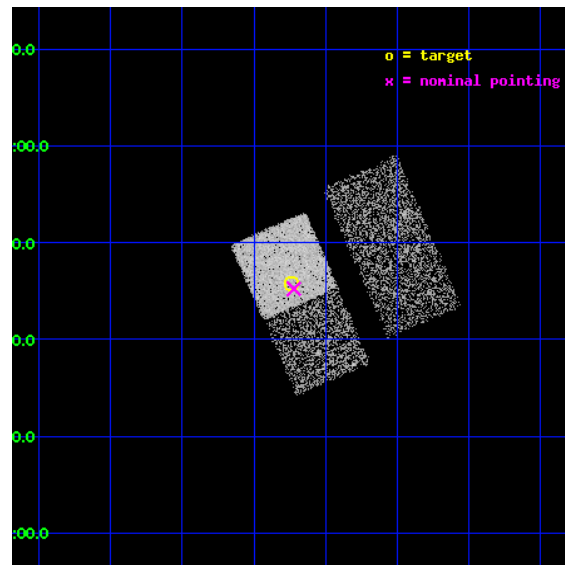
L2 Processing Date : Dec 23 2012

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1 Front

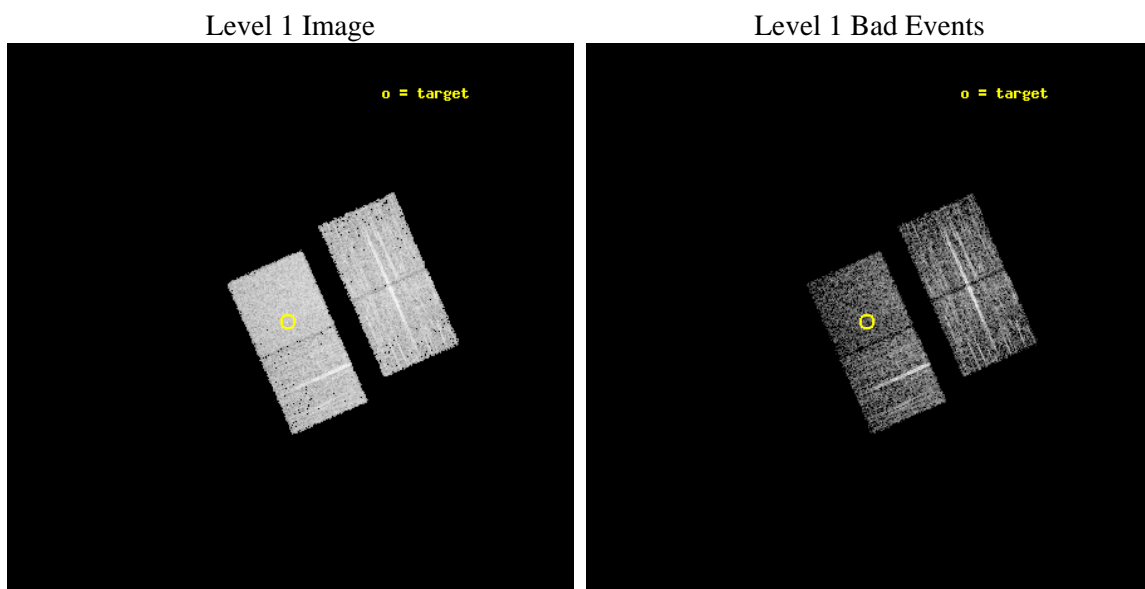
seq_num	701078	Sequence number
obs_id	5655	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	SDSS J114944.47+014542.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.435417	Observer's specified target RA [deg]
dec_targ	1.761806	Observer's specified target Dec [deg]
ra_nom	177.43010206526	Nominal RA [deg]
dec_nom	1.7536695761416	Nominal Dec [deg]
roll_nom	246.1792772511	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4749.1999908388	Sum of GTIs [s]
livetime	4687.1481966483	Livetime [s]
ontime2	4749.1999908388	Sum of GTIs [s]
ontime3	4749.1999908388	Sum of GTIs [s]
ontime6	4749.1999908388	Sum of GTIs [s]
ontime7	4749.1999908388	Sum of GTIs [s]
l2events	21901	Number of level 2 events



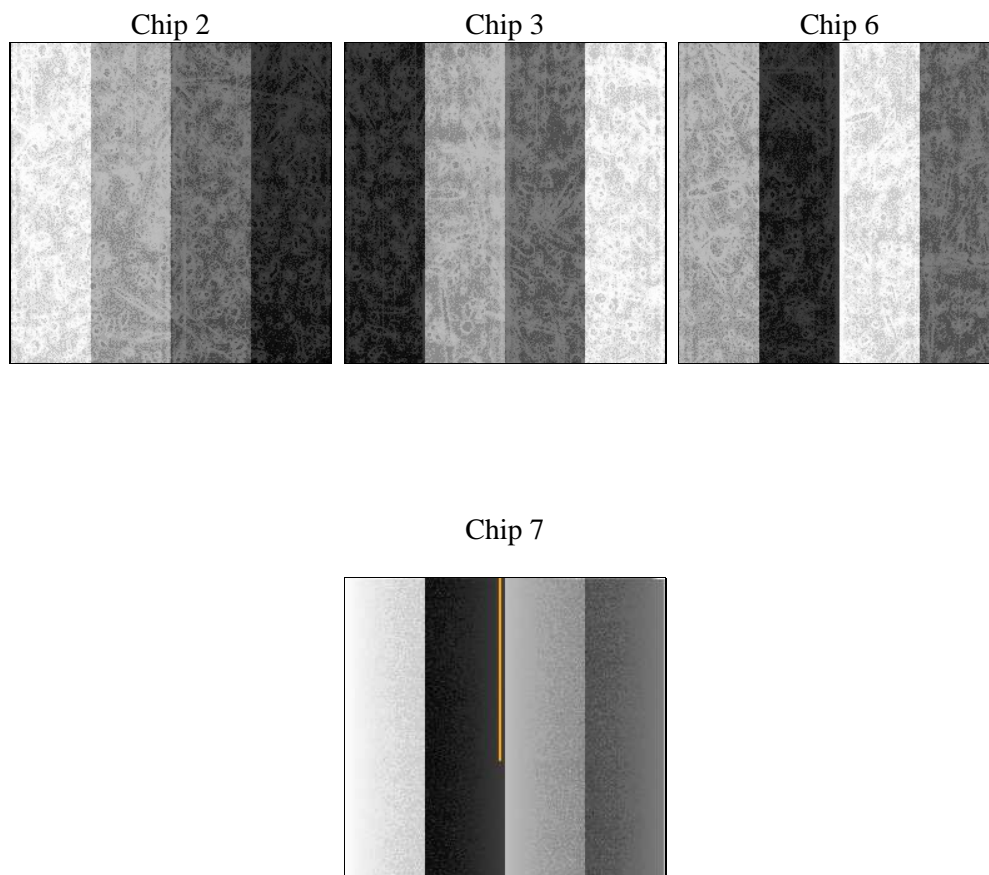
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	4749.1999908388	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	4749.1999908388	Sum of GTIs [s]
date	2012-12-23T02:22:08	Date and time of file creation	ontime3	4749.1999908388	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4749.1999908388	Sum of GTIs [s]
			ontime7	4749.1999908388	Sum of GTIs [s]
			l1events	119633	Number of level 1 events

2.1.4 Events

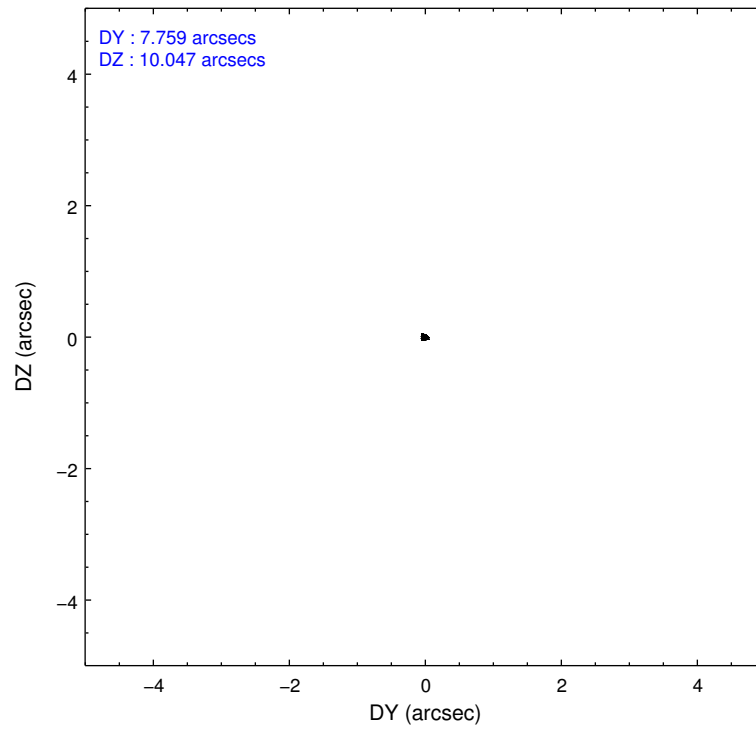
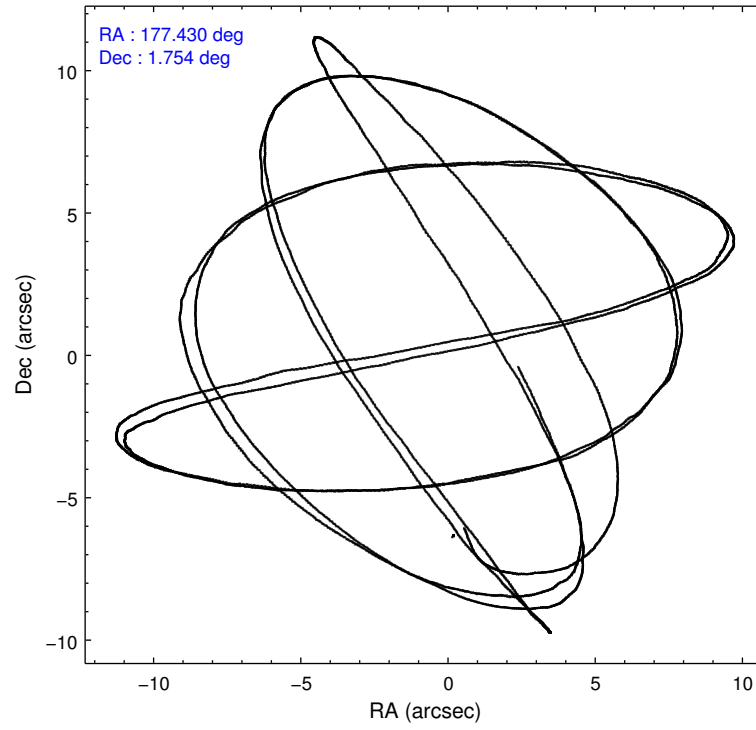
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30142	28719	28080	32692
rejected events	27368	25846	24971	17868
rejected %	90%	89%	88%	54%

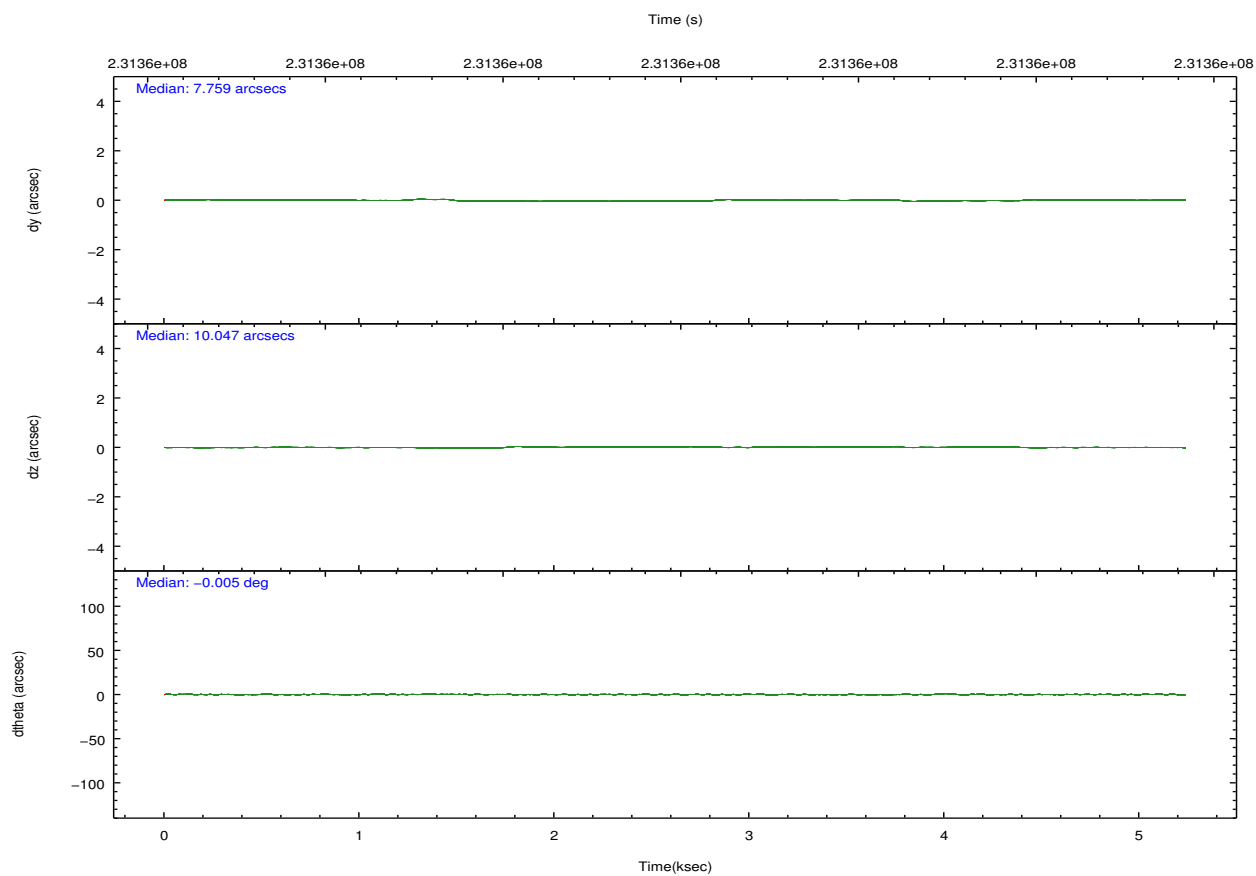
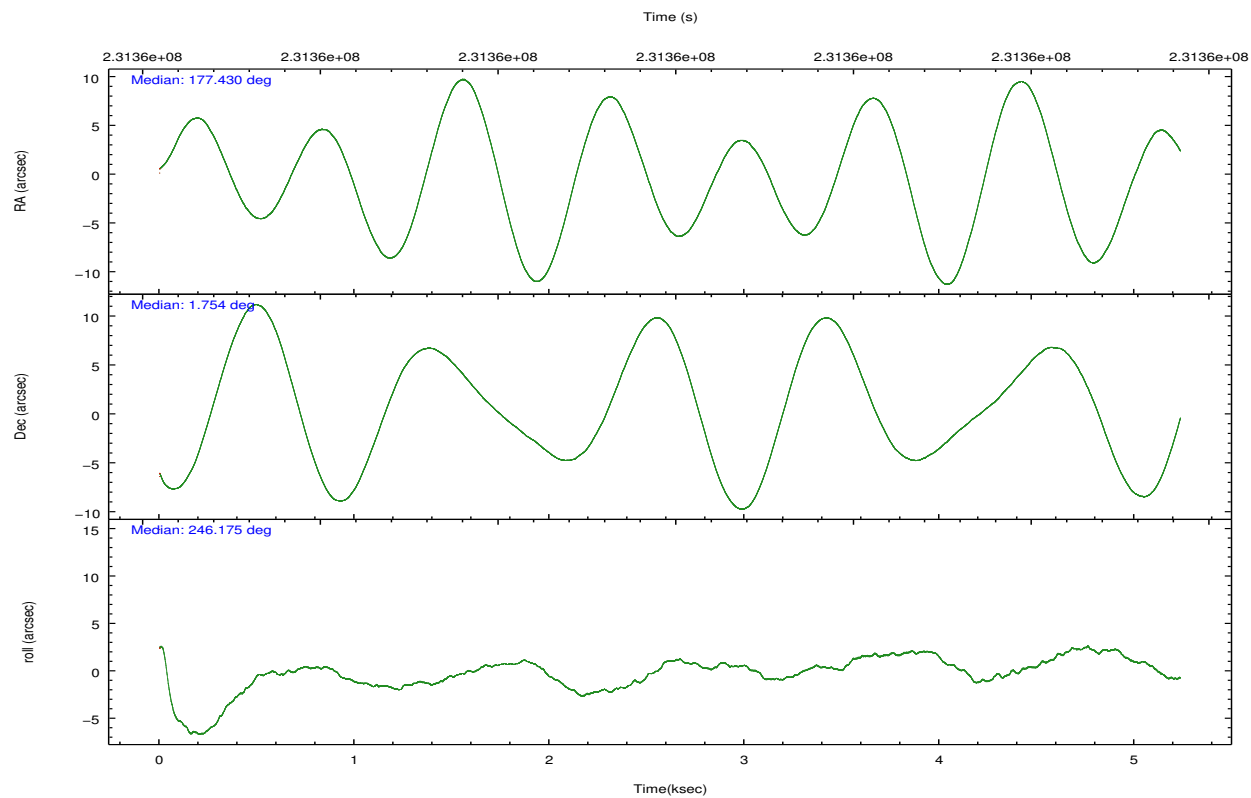
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1013	962	1128	1328
	3%	3%	4%	4%
grade 1 events	18	16	17	26
	0%	0%	0%	0%
grade 2 events	653	643	658	3057
	2%	2%	2%	9%
grade 3 events	300	347	327	1395
	0%	1%	1%	4%
grade 4 events	318	333	358	1344
	1%	1%	1%	4%
grade 5 events	963	1167	1205	3490
	3%	4%	4%	10%
grade 6 events	496	591	644	7727
	1%	2%	2%	23%
grade 7 events	26381	24660	23743	14325
	87%	85%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	177.426720	177.4301020652597	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.780814	1.753669576141555	Alternating exposures requested	N	N
[deg] Pointing Roll	246.022733	246.1792772510968	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	231356891.184000	231355846.83448			
Observation start date	2005-05-01T17:47:07	2005-05-01T17:30:46			
[s] Observation end time (MET)	231361591.184000	231362544.69728			
Observation end date	2005-05-01T19:05:27	2005-05-01T19:22:24			
Read mode	TIMED	TIMED			

2.3 Aspect



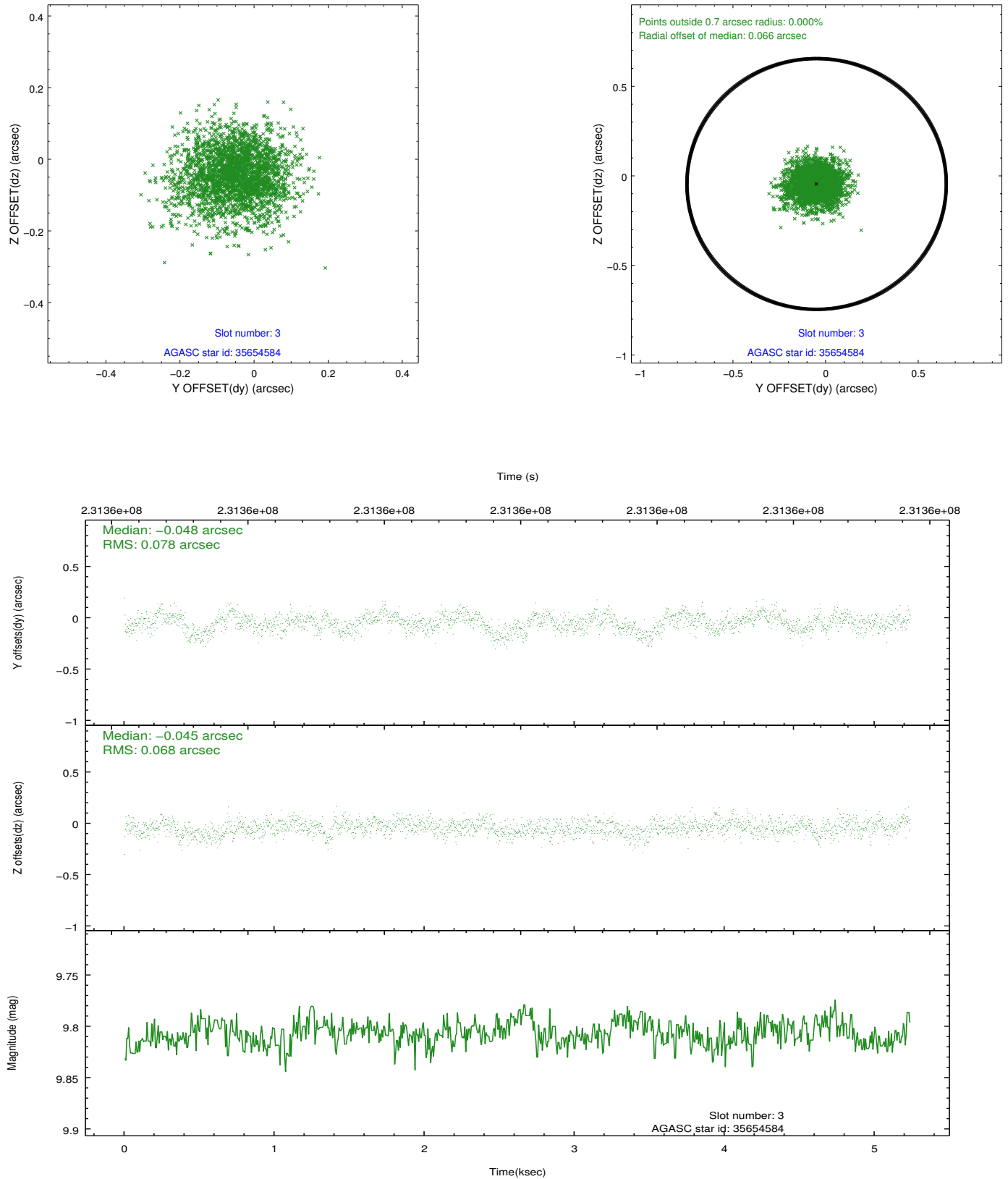


Slot Statistics

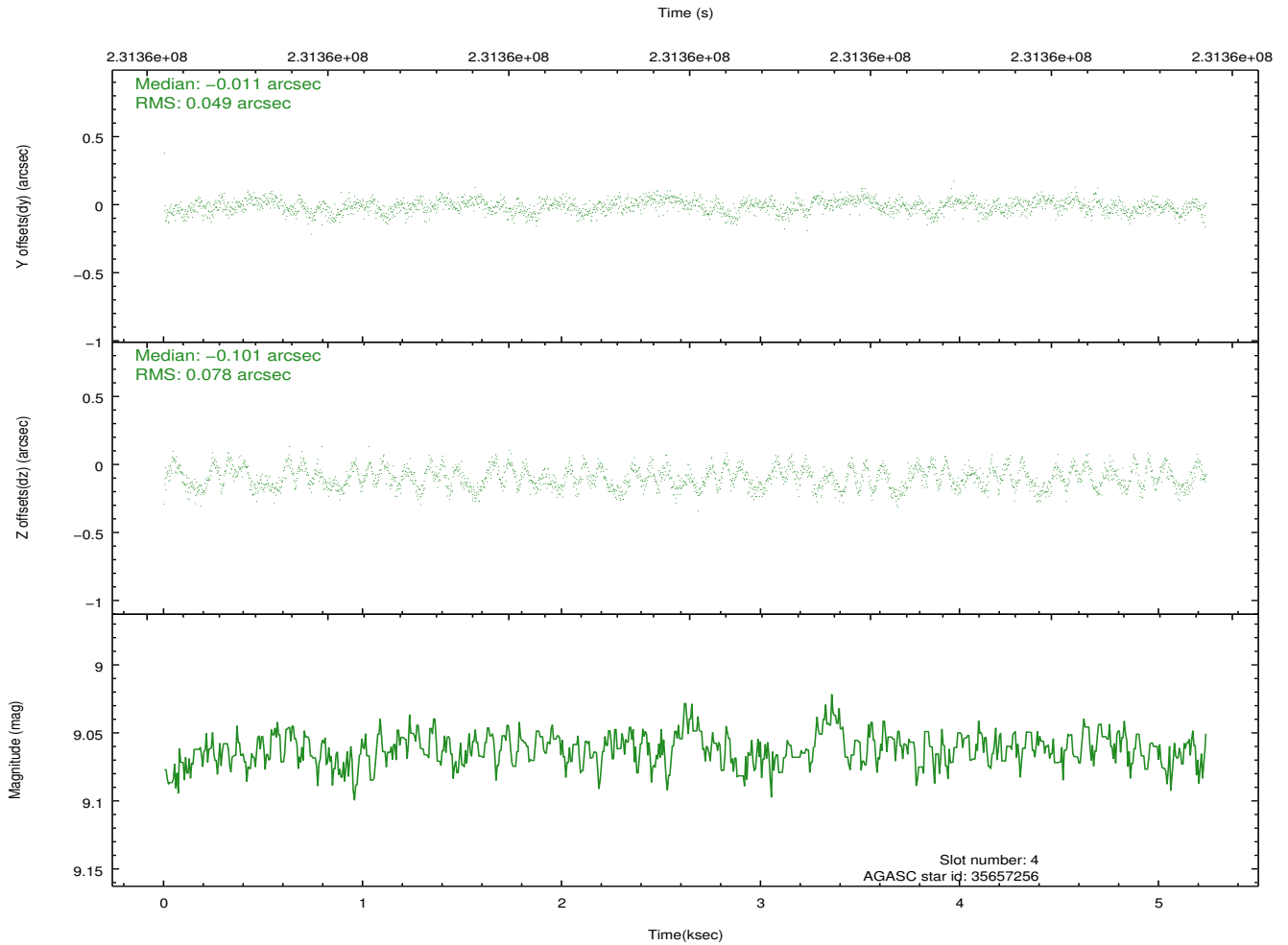
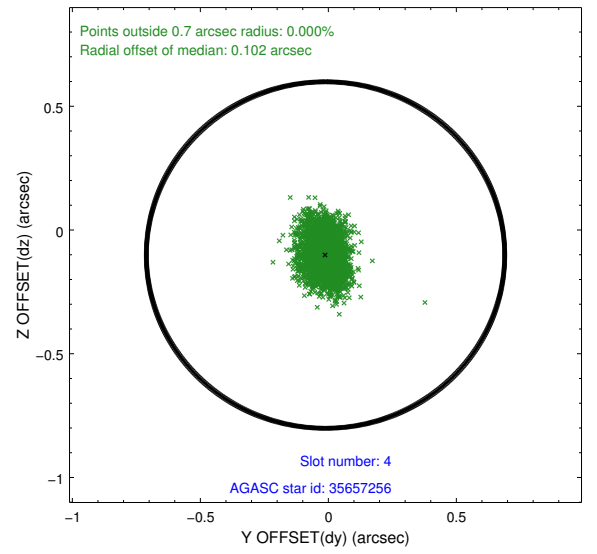
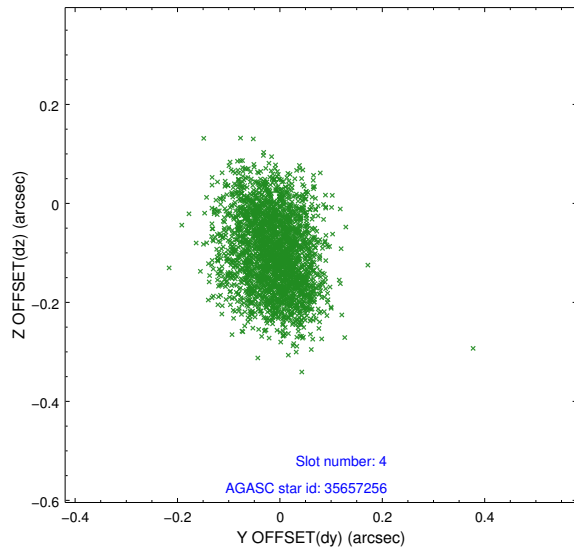
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1278	-0.044	-0.021	0.006	0.010	0.000000	0.000000	-760.52	-1731.33
1	FID	ACIS-S-4	7.21	1278	0.104	0.027	0.005	0.010	0.000000	0.000000	2152.33	176.07
2	FID	ACIS-S-5	7.23	1278	-0.092	0.003	0.006	0.010	0.000000	0.000000	-1811.97	170.94
3	GUIDE	35654584	9.81	2553	-0.048	-0.045	0.111	0.182	177.454333	2.359317	-1943.05	-756.38
4	GUIDE	35657256	9.06	2552	-0.011	-0.101	0.100	0.155	176.857006	2.013332	67.26	-2213.98
5	GUIDE	35658416	7.89	2554	-0.054	-0.089	0.074	0.119	176.725004	1.604214	1606.93	-2050.19
6	GUIDE	35786024	9.52	2540	-0.022	0.026	0.153	0.234	177.790022	1.785804	-547.00	1185.80
7	GUIDE	35788008	9.43	2554	0.148	0.215	0.118	0.182	177.612047	1.006805	2274.82	1742.58

2.4 Star Slots

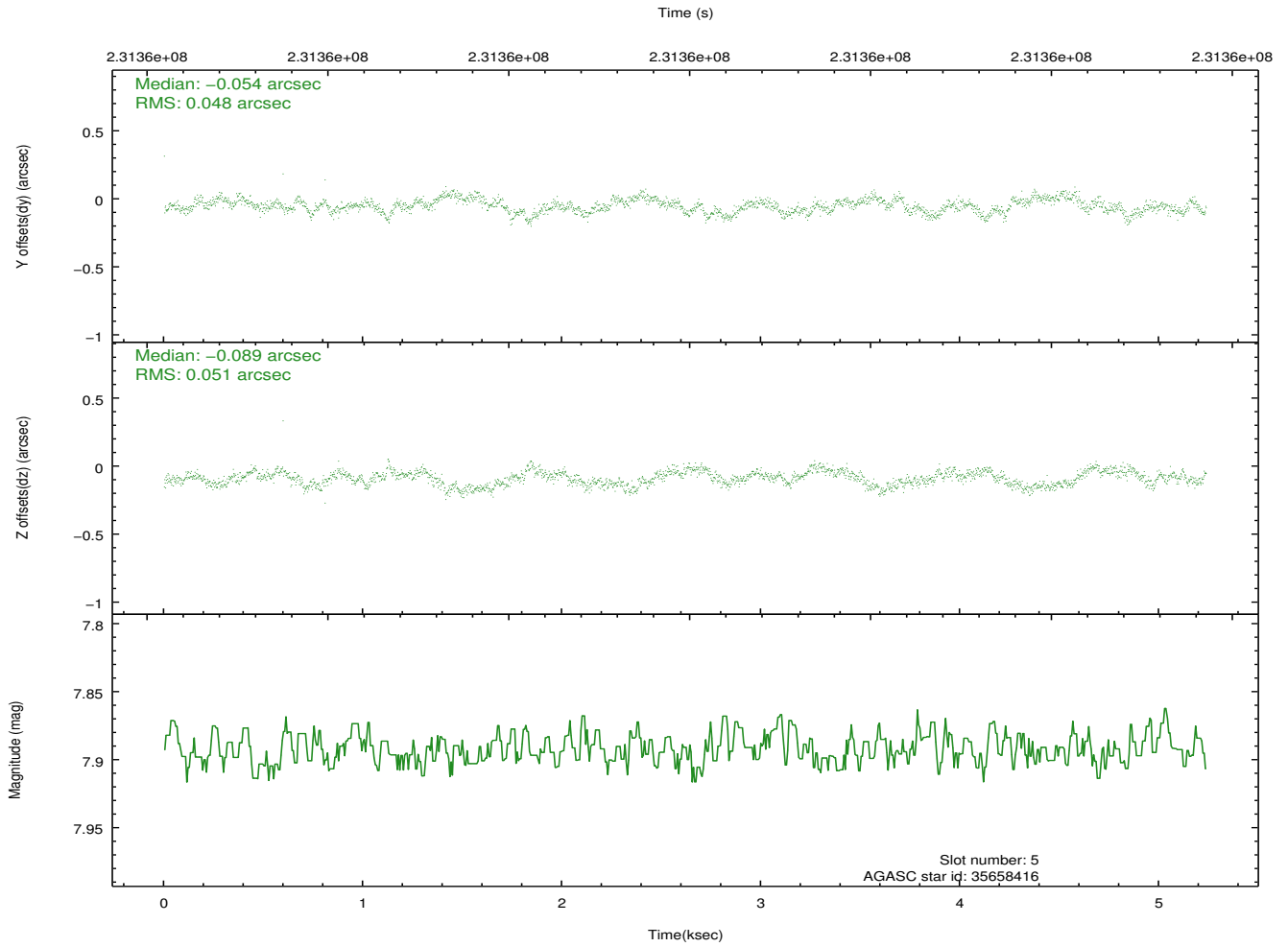
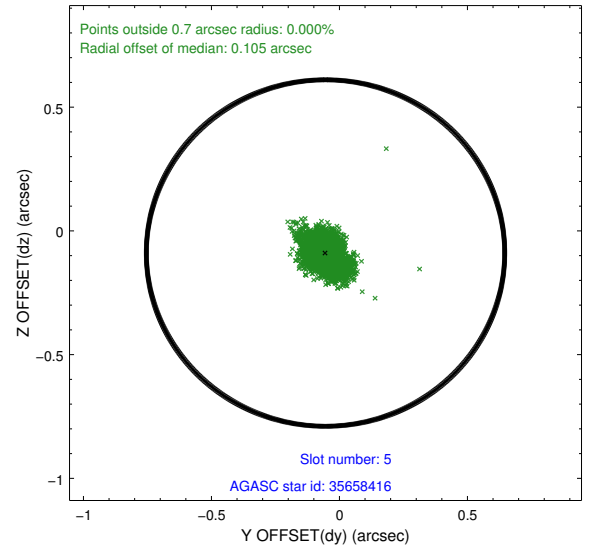
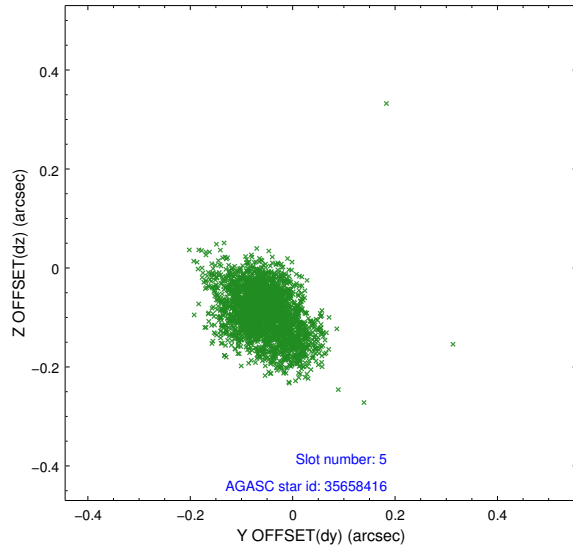
2.4.1 Slot 3



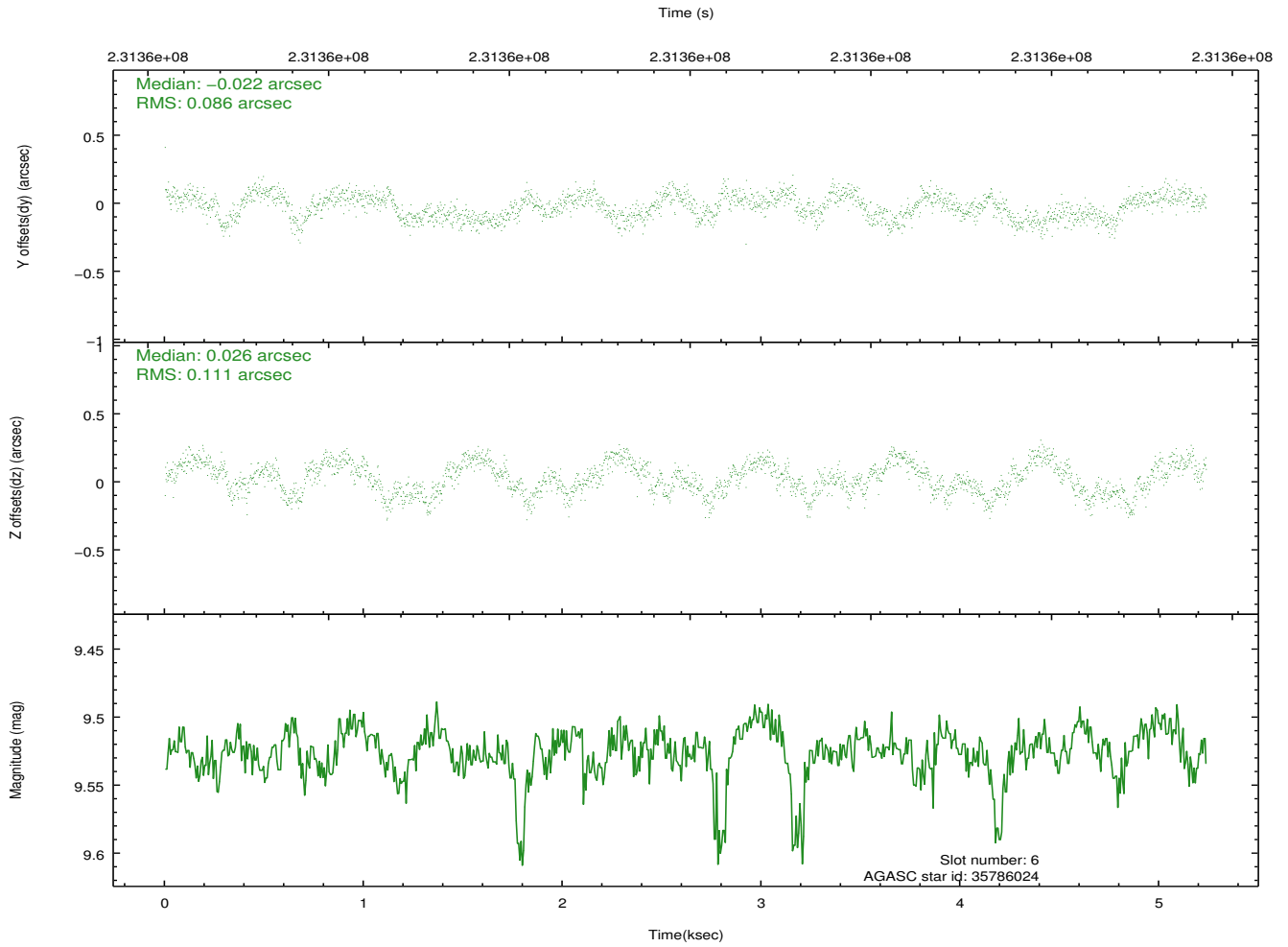
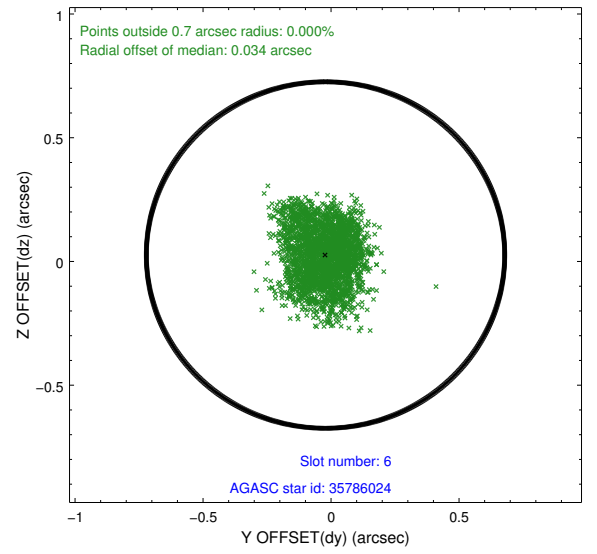
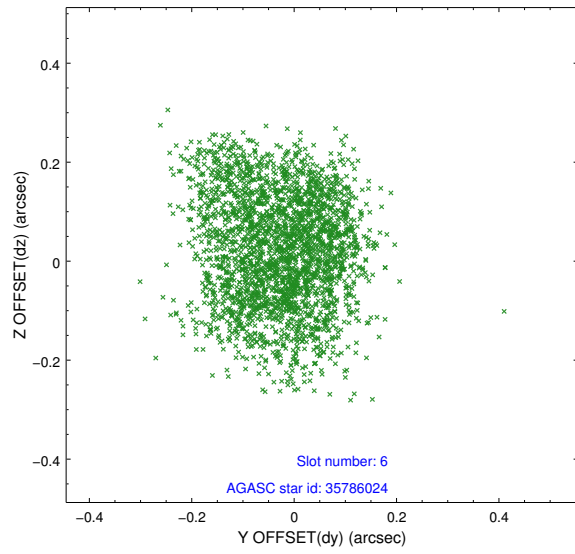
2.4.2 Slot 4



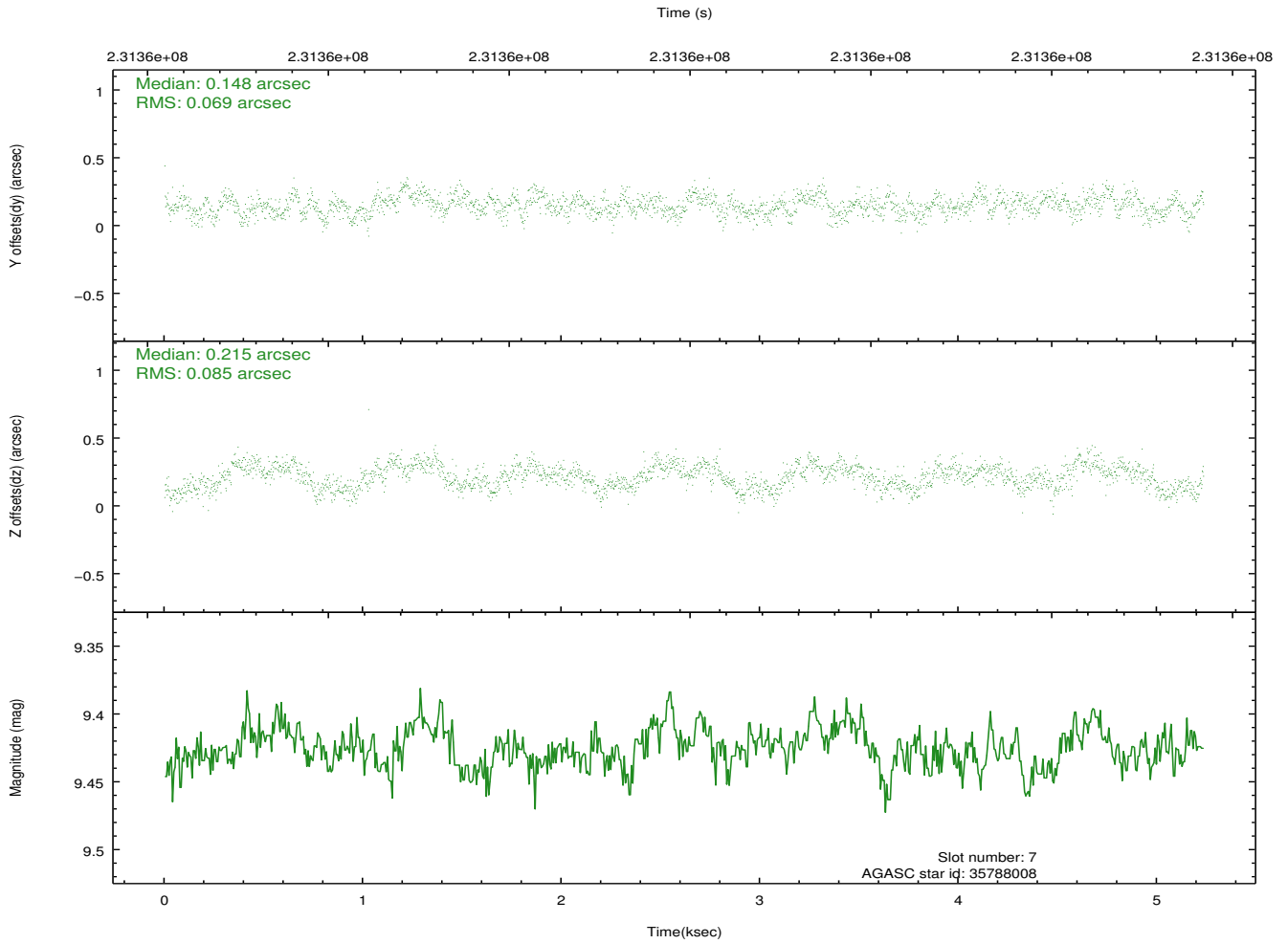
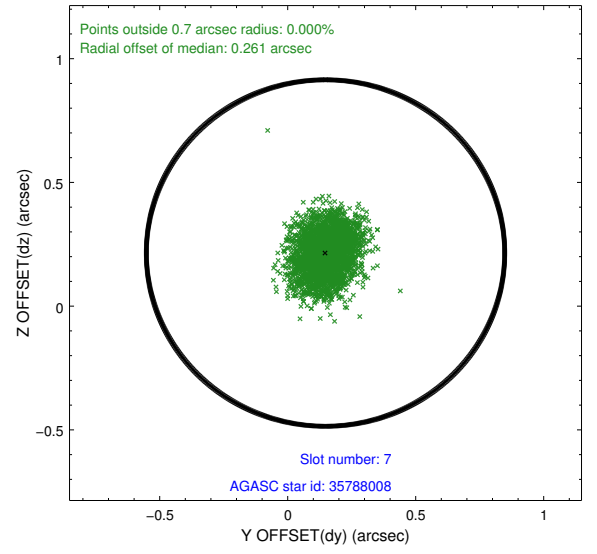
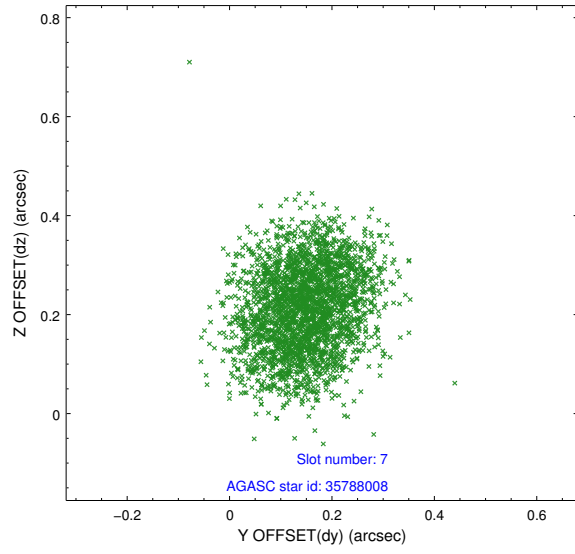
2.4.3 Slot 5



2.4.4 Slot 6

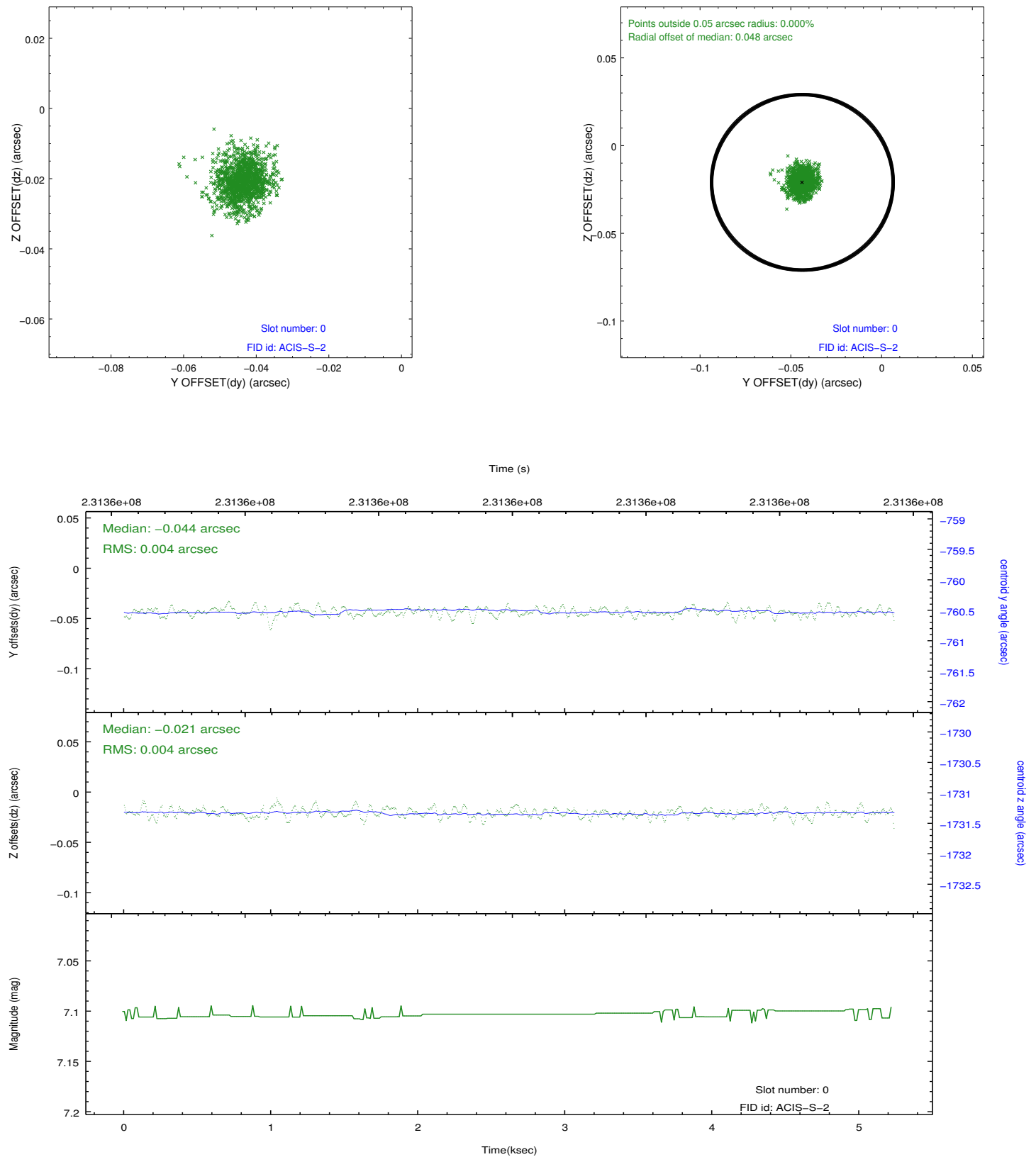


2.4.5 Slot 7

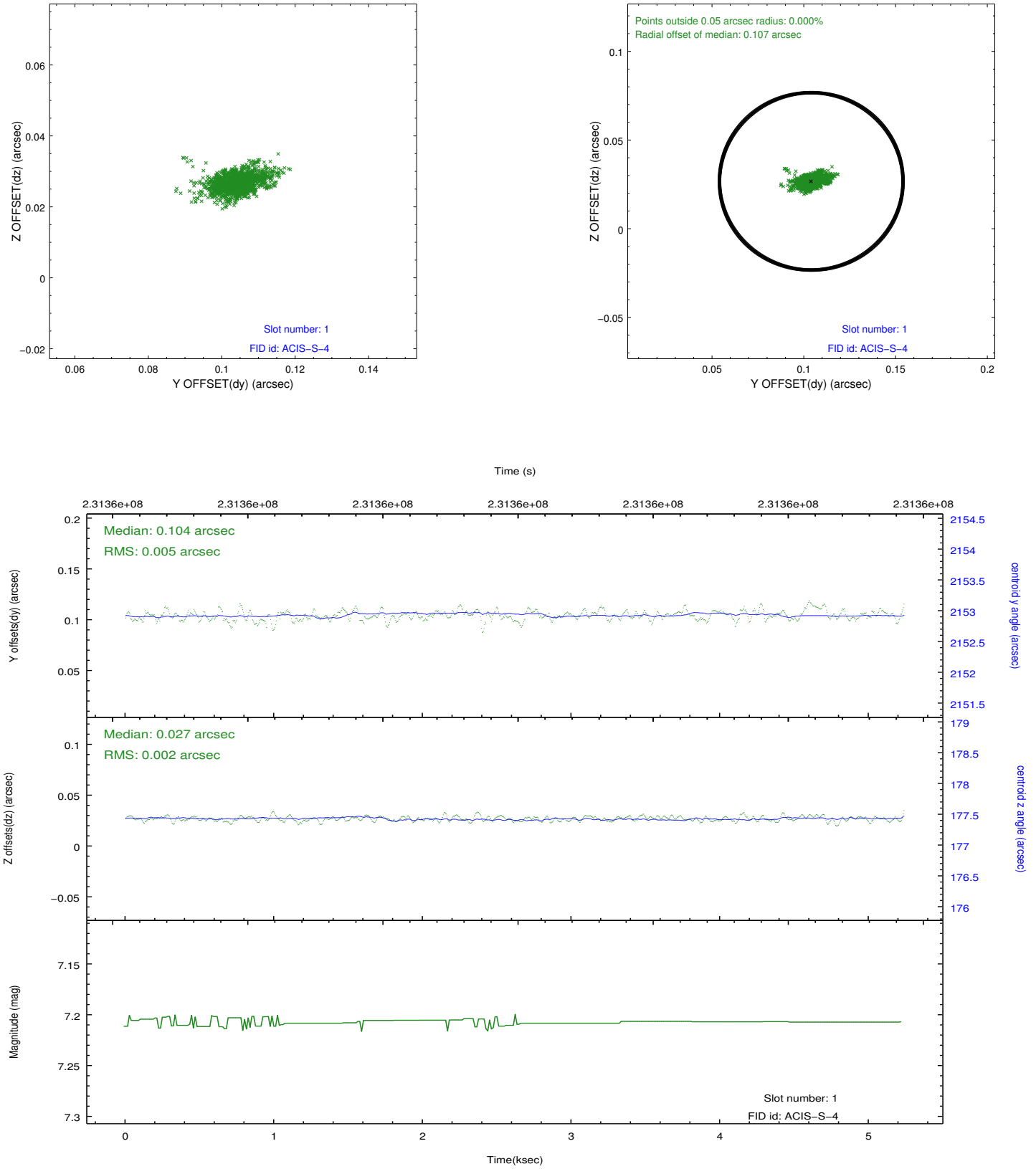


2.5 FID Slots

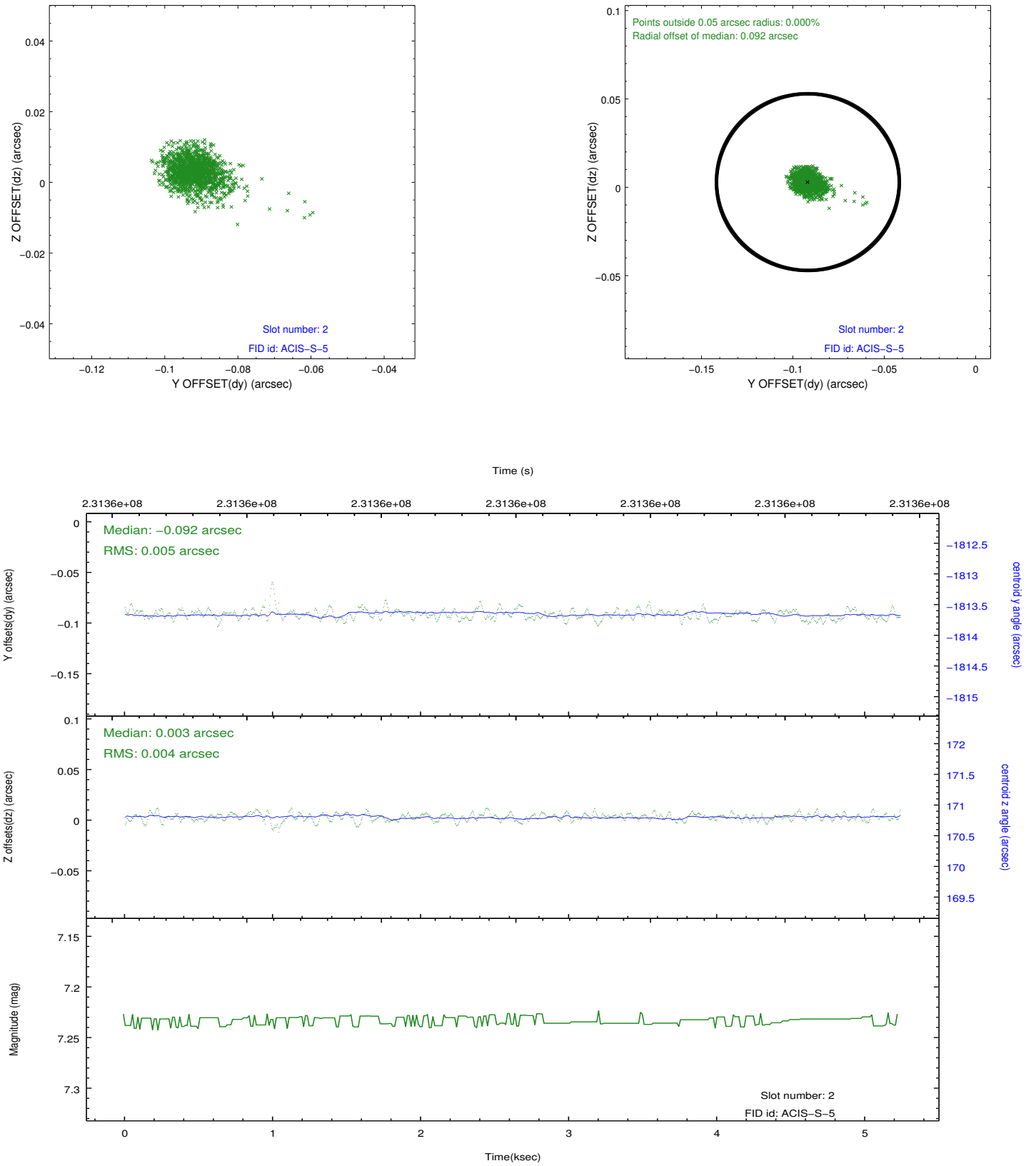
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.749199

A.2 Comments