

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9158 - L2 Version 2
Chandra X-Ray Center

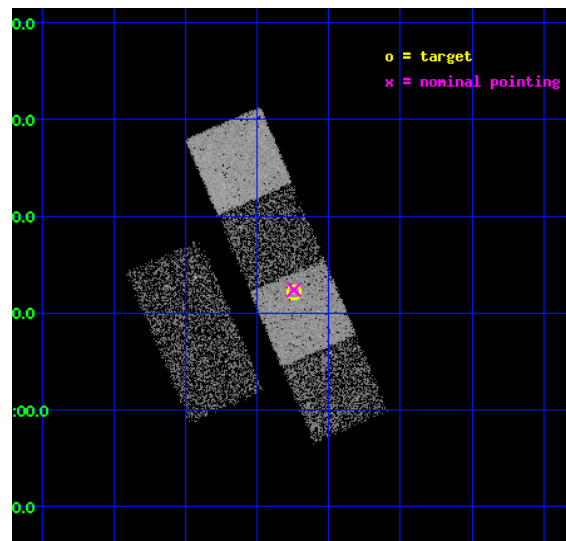
L2 Processing Date : May 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	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

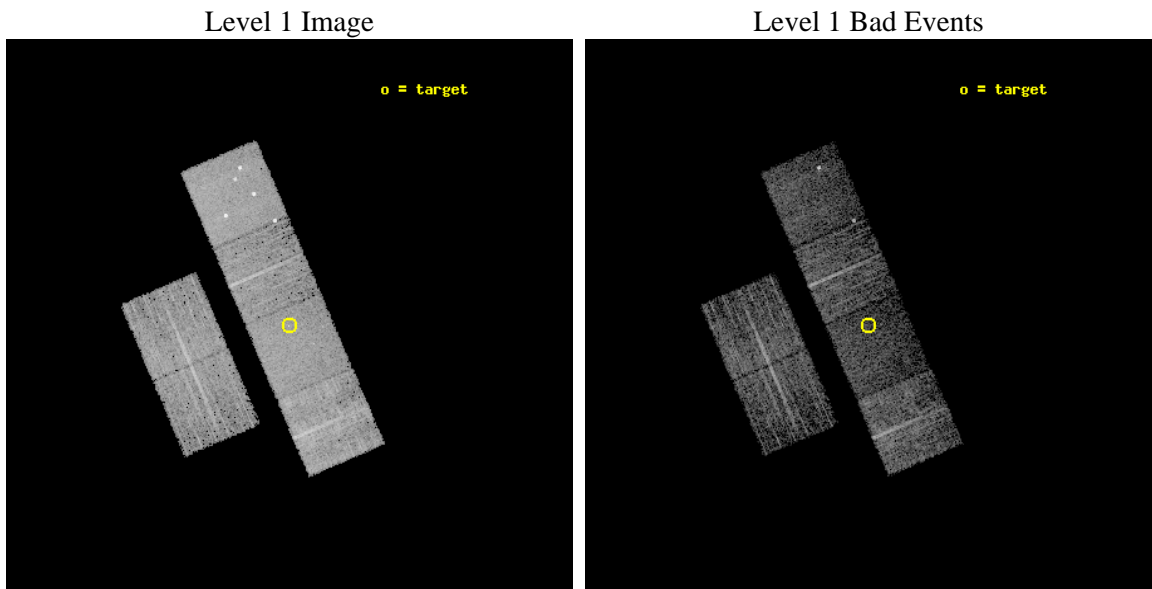
seq_num	701600	Sequence number
obs_id	9158	Observation id
title	Chandra ACIS Snapshots of the Brightest Radio-Loud Broad Absorption Line Quasars in the SDSS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J115944.82+011206.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.936667	Observer's specified target RA [deg]
dec_targ	1.201889	Observer's specified target Dec [deg]
ra_nom	179.93593507482	Nominal RA [deg]
dec_nom	1.2067502318824	Nominal Dec [deg]
roll_nom	66.80925500229	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3753.1291082501	Sum of GTIs [s]
livetime	3705.6047276184	Livetime [s]
ontime2	3753.1701482534	Sum of GTIs [s]
ontime3	3753.0059882402	Sum of GTIs [s]
ontime5	3753.0880682468	Sum of GTIs [s]
ontime6	3753.0470282435	Sum of GTIs [s]
ontime7	3753.1291082501	Sum of GTIs [s]
ontime8	3746.4829277396	Sum of GTIs [s]
l2events	45099	Number of level 2 events



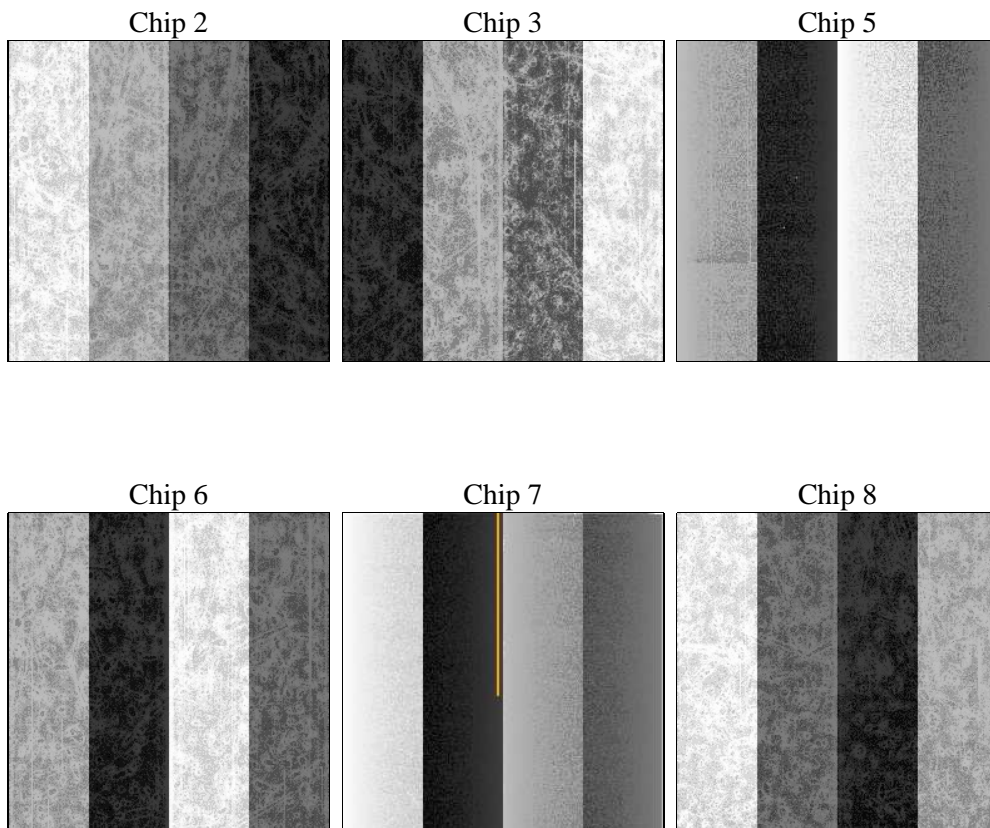
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3753.1291082501	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	3753.1701482534	Sum of GTIs [s]
date	2012-05-06T15:38:55	Date and time of file creation	ontime3	3753.0059882402	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3753.0880682468	Sum of GTIs [s]
			ontime6	3753.0470282435	Sum of GTIs [s]
			ontime7	3753.1291082501	Sum of GTIs [s]
			ontime8	3746.4829277396	Sum of GTIs [s]
			l1events	215071	Number of level 1 events

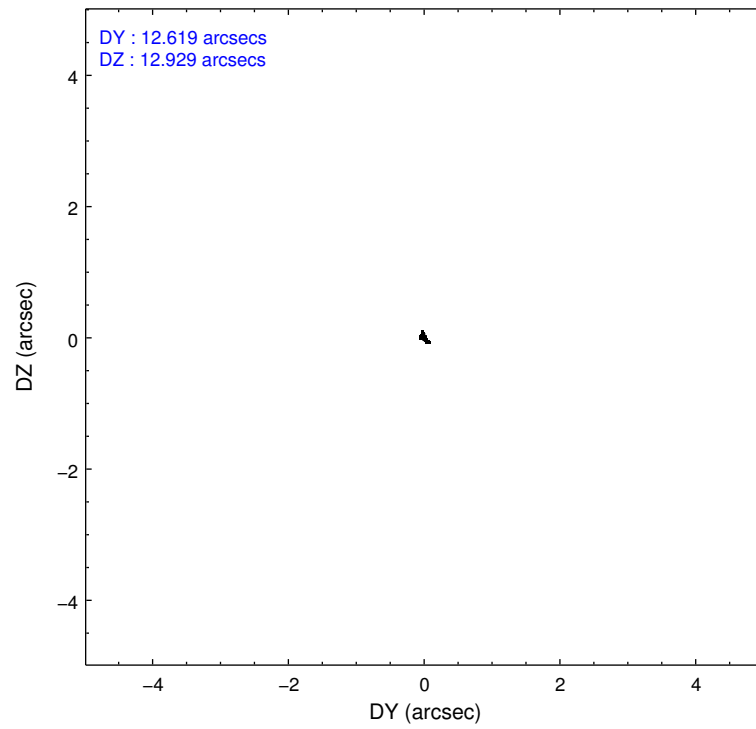
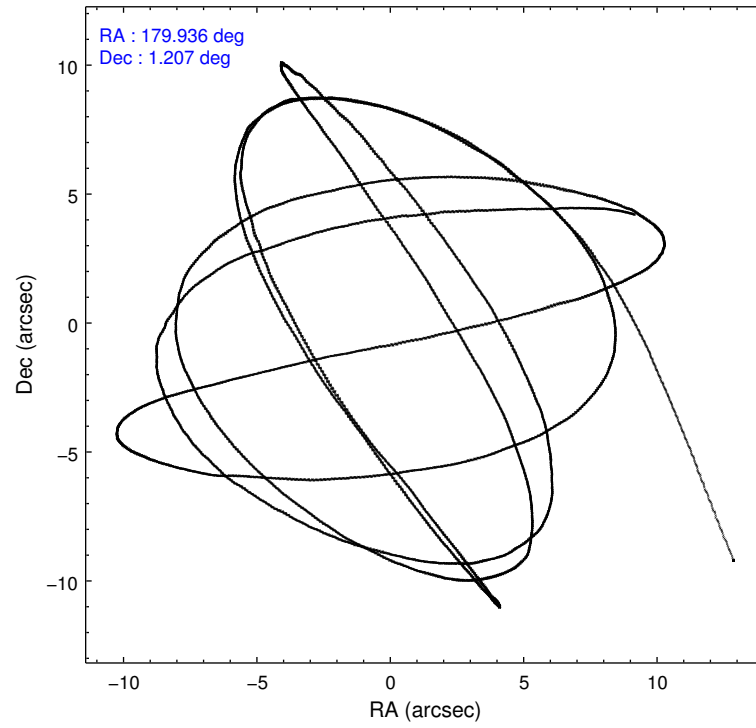
2.1.4 Events

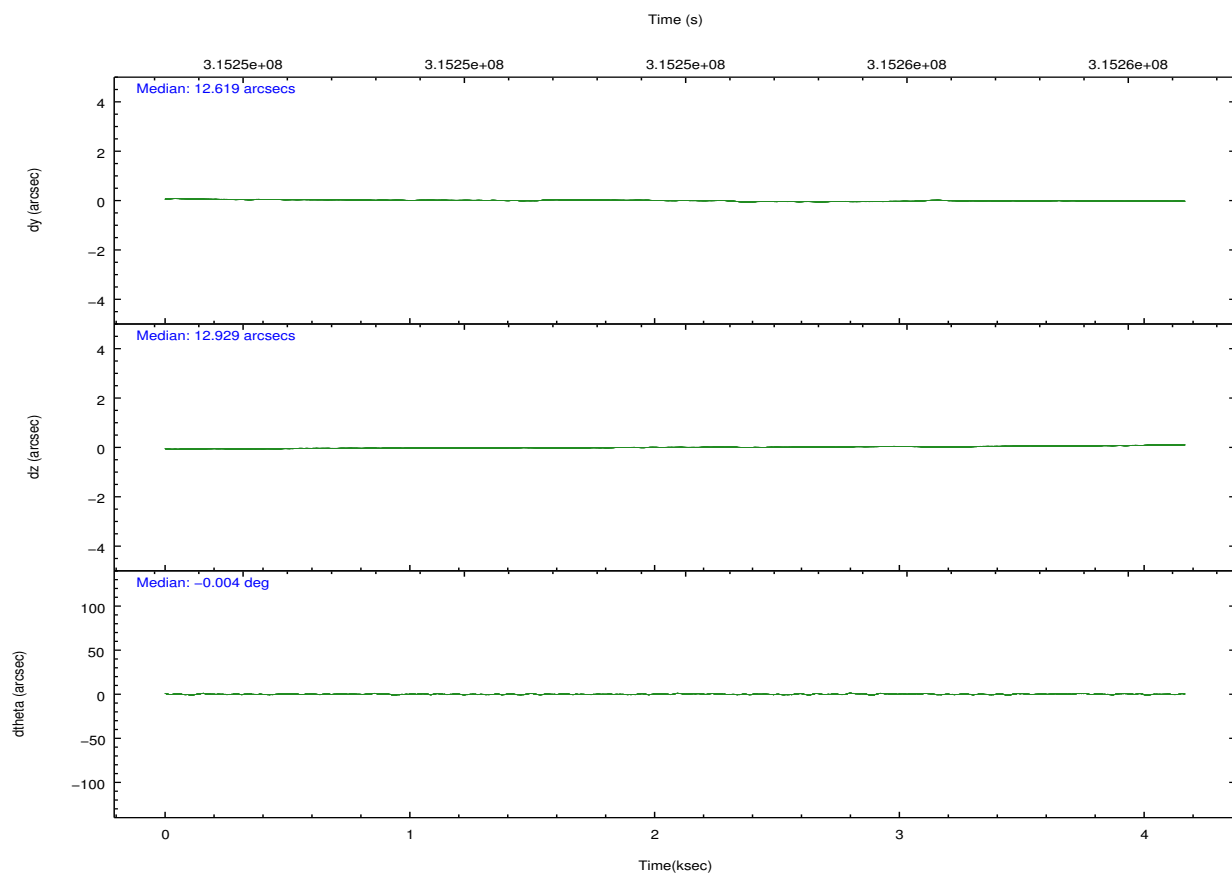
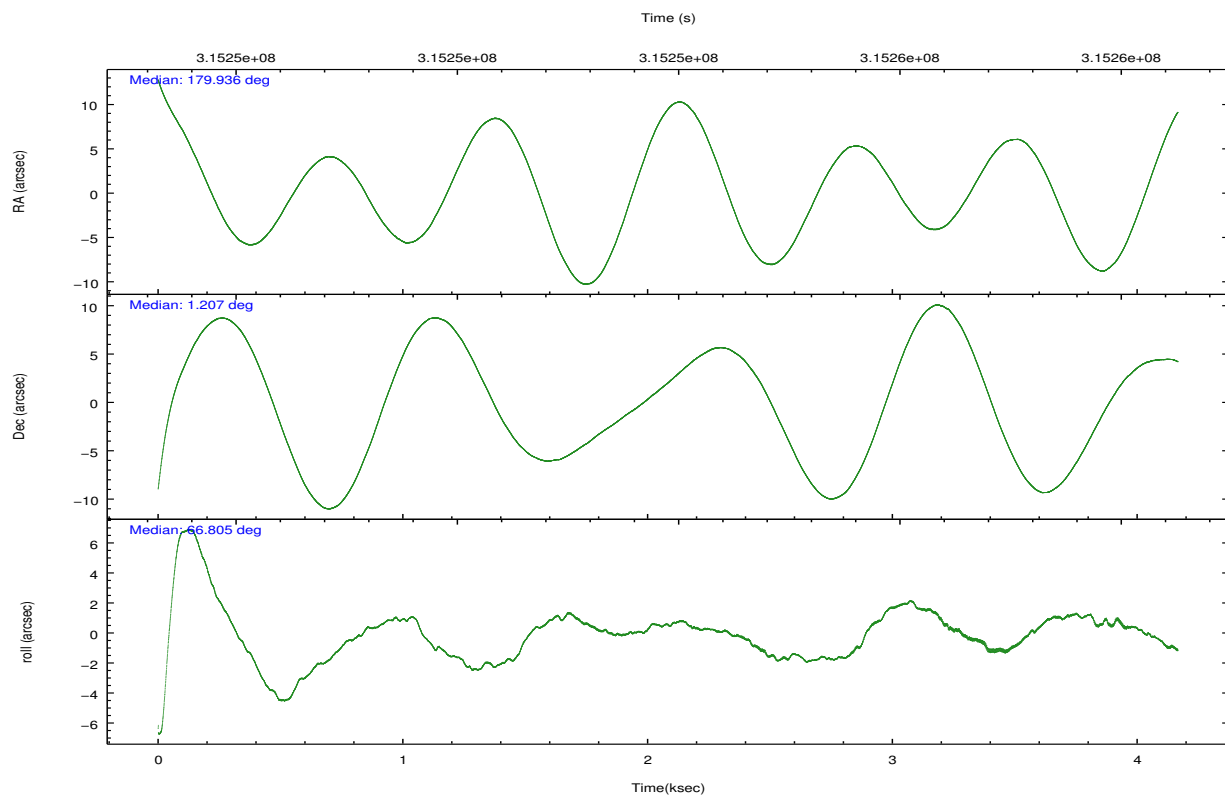
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33551	28489	45585	30722	34324	42400	grade 0 events	1100	1005	4076	1093	1473	2839
rejected events	30526	25723	21999	27573	18835	32743		3%	3%	8%	3%	4%	6%
rejected %	90%	90%	48%	89%	54%	77%	grade 1 events	29	18	201	13	43	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	724	589	6397	691	3163	2182
								2%	2%	14%	2%	9%	5%
							grade 3 events	312	311	825	334	1372	1054
								0%	1%	1%	1%	3%	2%
							grade 4 events	323	333	840	332	1381	963
								0%	1%	1%	1%	4%	2%
							grade 5 events	1086	1178	3301	1219	3608	1757
								3%	4%	7%	3%	10%	4%
							grade 6 events	572	532	11478	704	8124	2636
								1%	1%	25%	2%	23%	6%
							grade 7 events	29405	24523	18467	26336	15160	30939
								87%	86%	40%	85%	44%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	179.939563	179.9359350748238	CCD I2 on	O1	Y
[deg] Pointing Dec	1.179578	1.206750231882363	CCD I3 on	O2	Y
[deg] Pointing Roll	66.652588	66.80925500228996	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	315252039.184000	315251098.83925	CCD S5 on	N	N
Observation start date	2007-12-28T17:59:34	2007-12-28T17:44:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315256039.184000	315256976.70203	On-chip summing requested	N	N
Observation end date	2007-12-28T19:06:14	2007-12-28T19:22:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



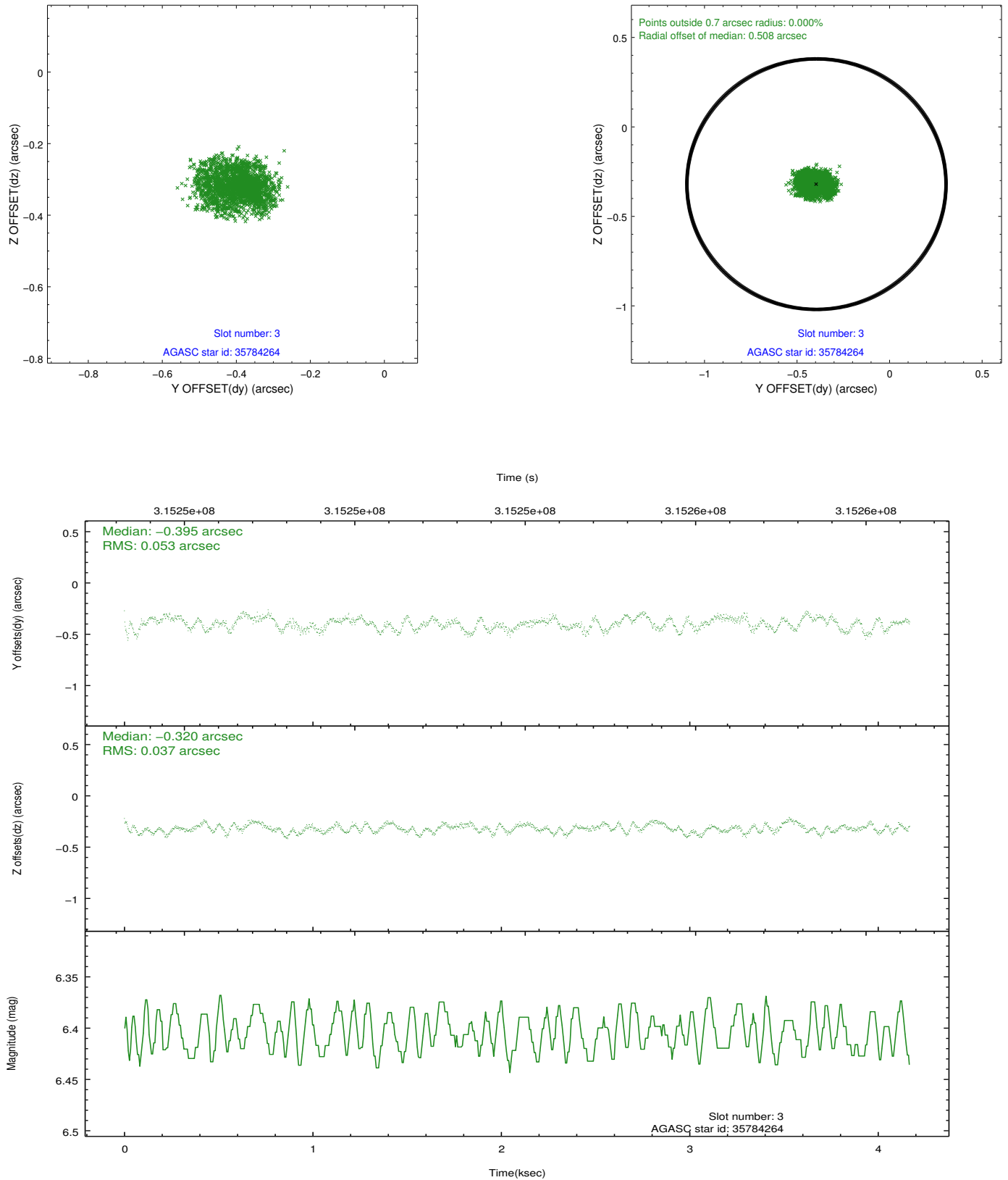


Slot Statistics

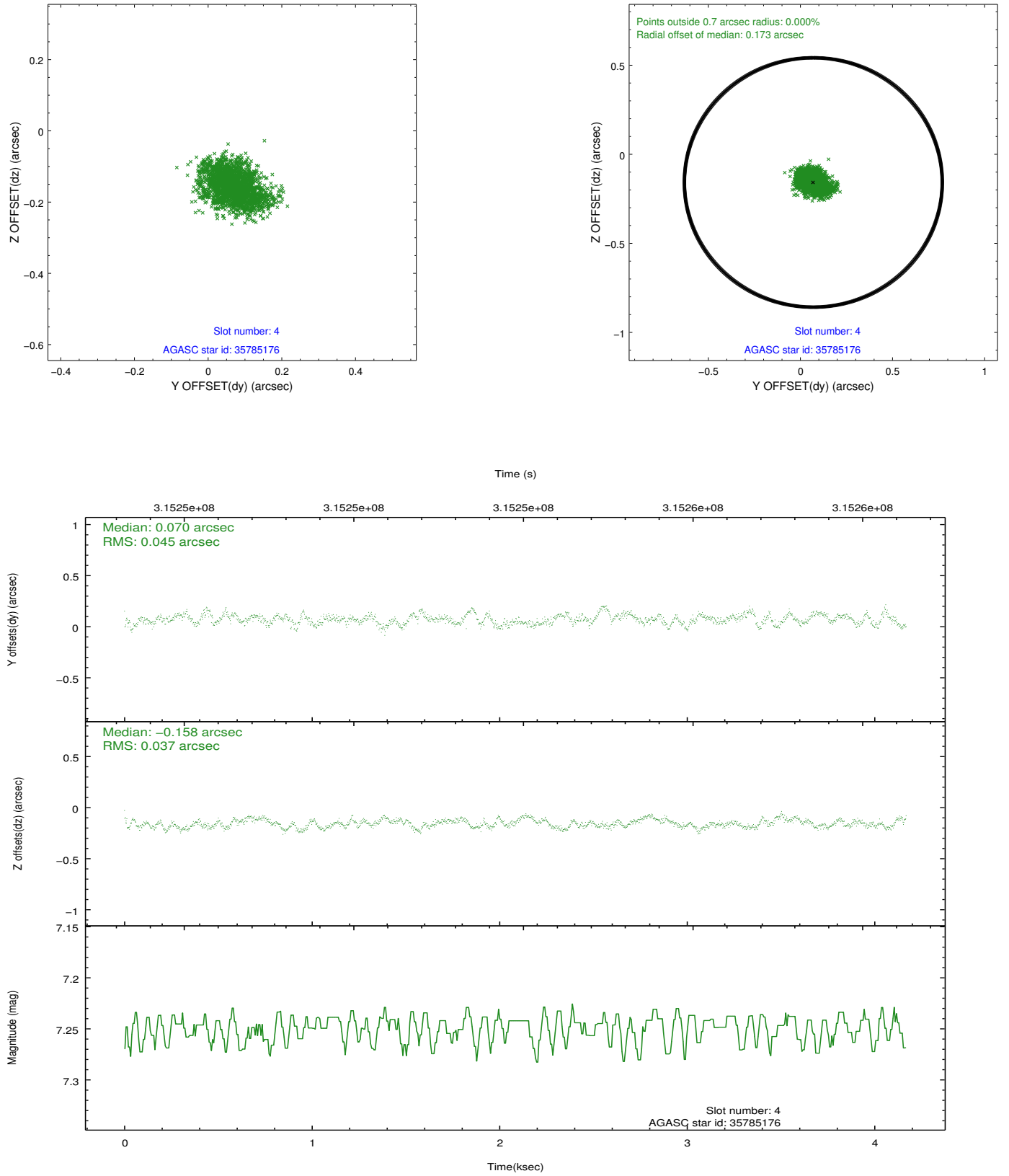
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1017	-0.020	-0.051	0.006	0.011	0.000000	0.000000	-765.55	-1734.25
1	FID	ACIS-S-4	7.19	1017	0.131	0.024	0.006	0.010	0.000000	0.000000	2147.20	172.75
2	FID	ACIS-S-5	7.23	1017	-0.143	0.036	0.007	0.011	0.000000	0.000000	-1816.60	168.15
3	GUIDE	35784264	6.41	2033	-0.395	-0.320	0.072	0.108	179.849759	1.826717	2010.03	1219.89
4	GUIDE	35785176	7.25	2034	0.070	-0.158	0.064	0.102	179.553963	0.869201	-1575.31	832.08
5	GUIDE	35786792	9.45	2033	0.194	-0.031	0.088	0.140	179.641265	0.872146	-1442.25	547.59
6	GUIDE	36703616	9.66	2025	-0.030	0.143	0.139	0.218	180.253752	1.227943	607.23	-968.50
7	GUIDE	36705936	9.76	2033	0.170	0.361	0.140	0.226	180.416289	0.621251	-1164.60	-2372.30

2.4 Star Slots

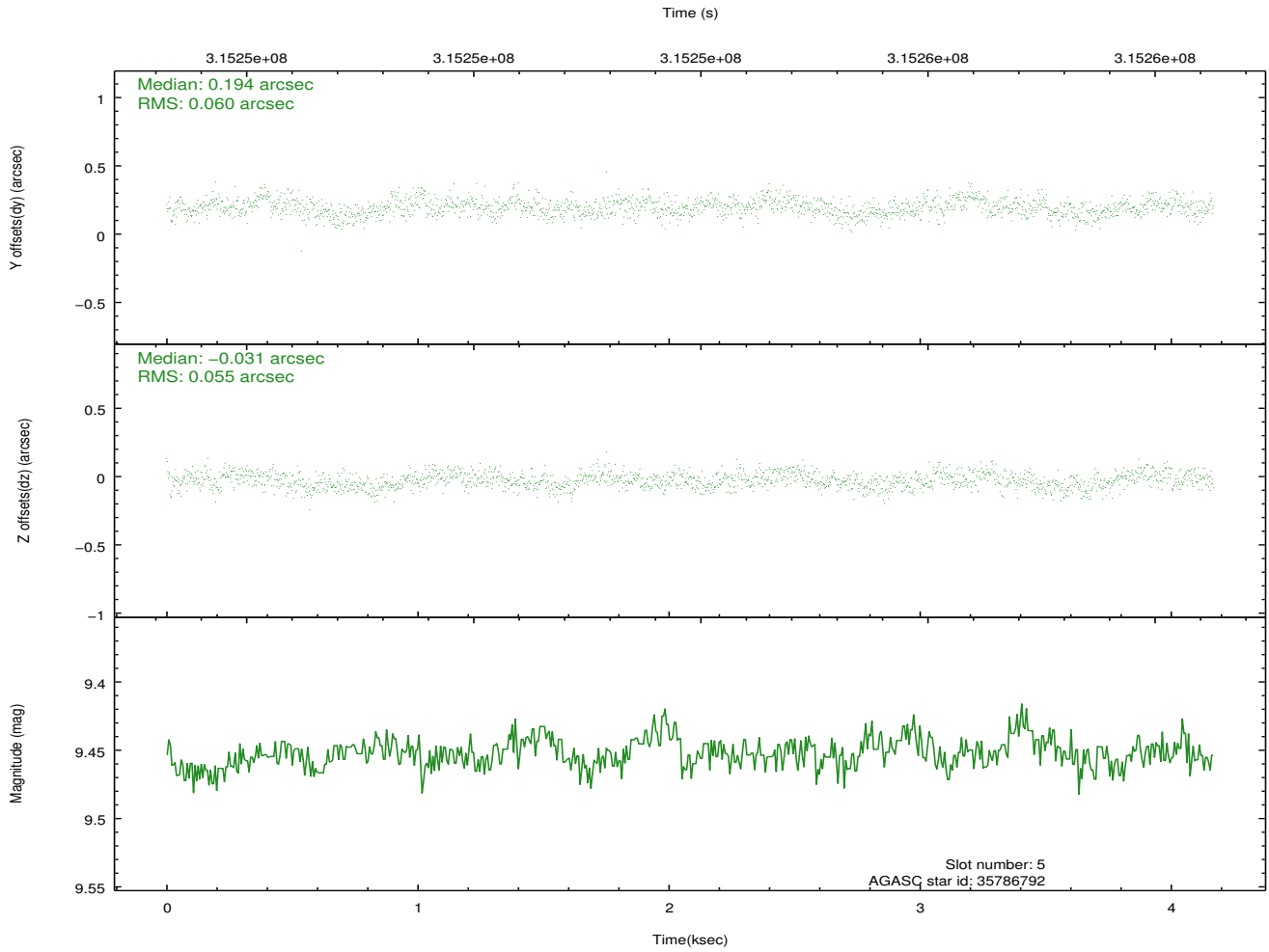
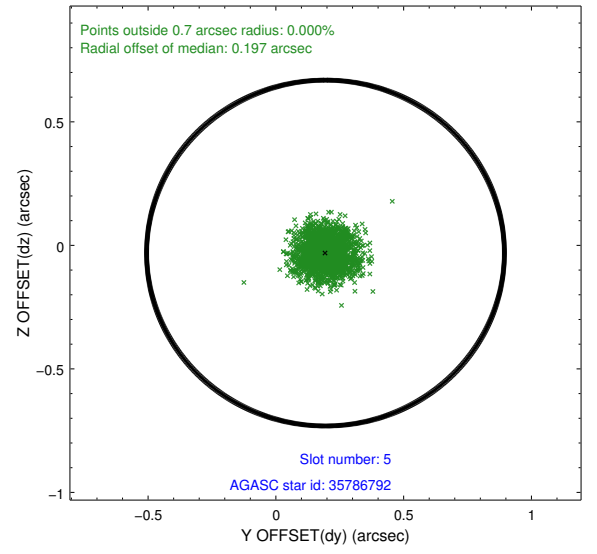
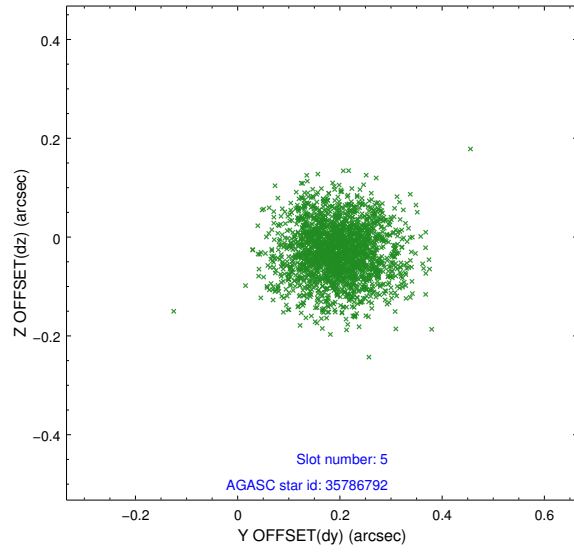
2.4.1 Slot 3



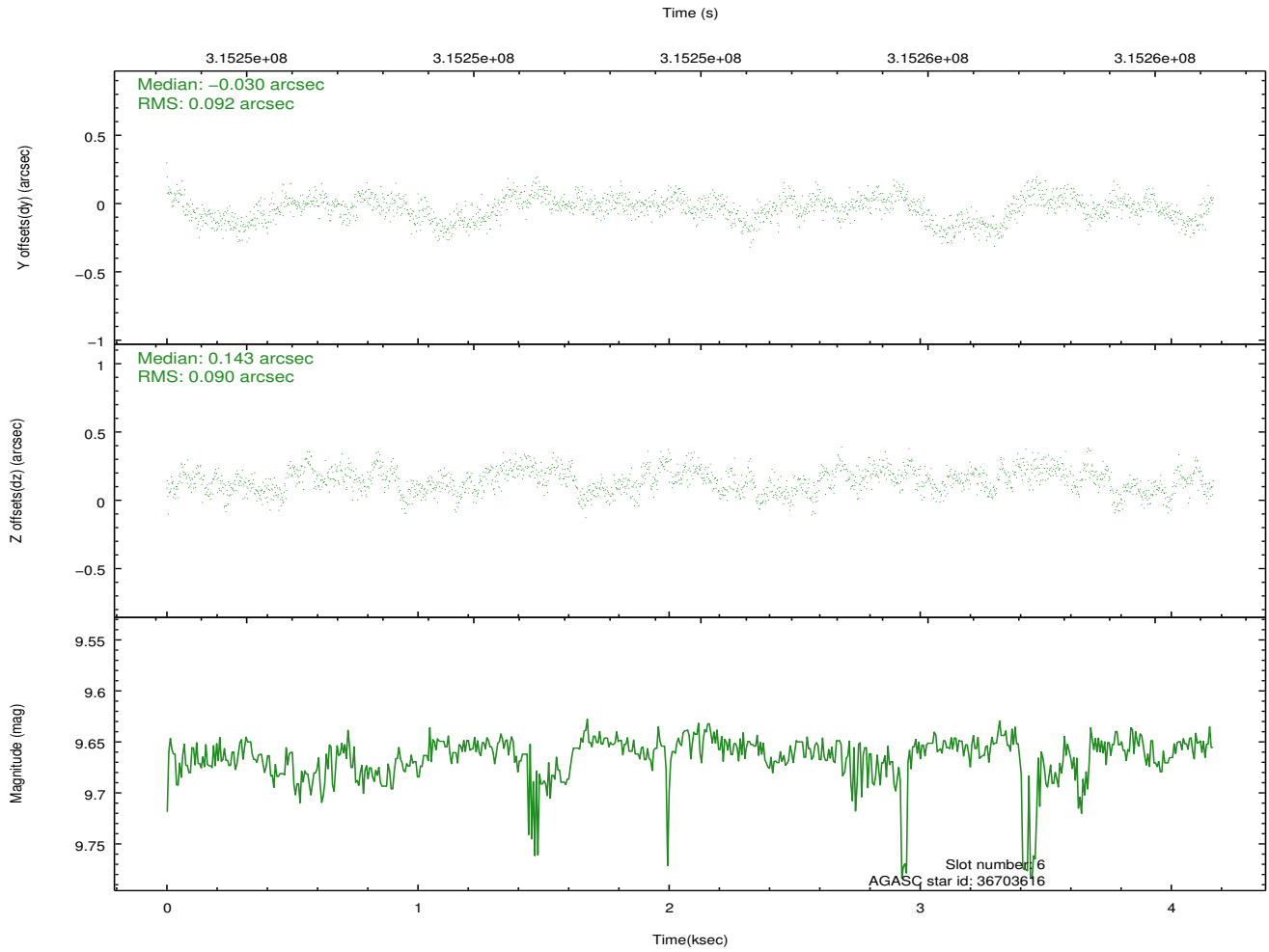
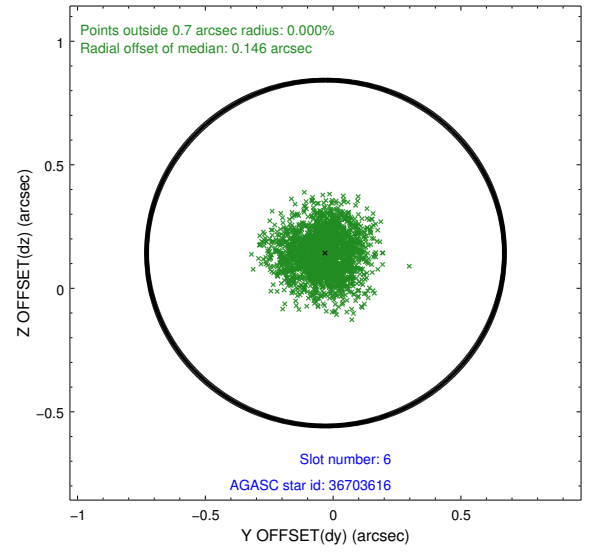
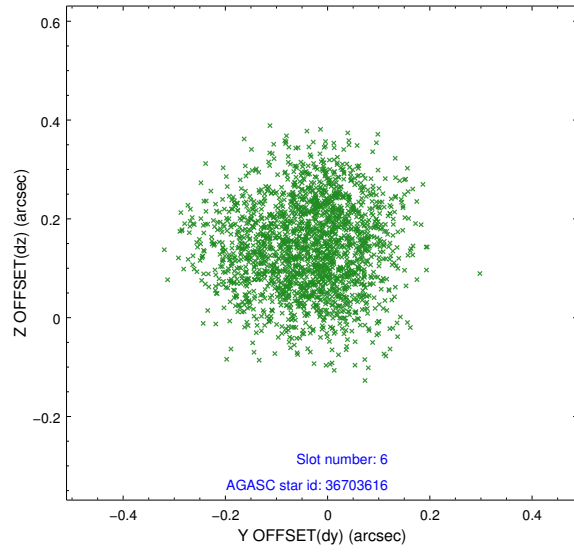
2.4.2 Slot 4



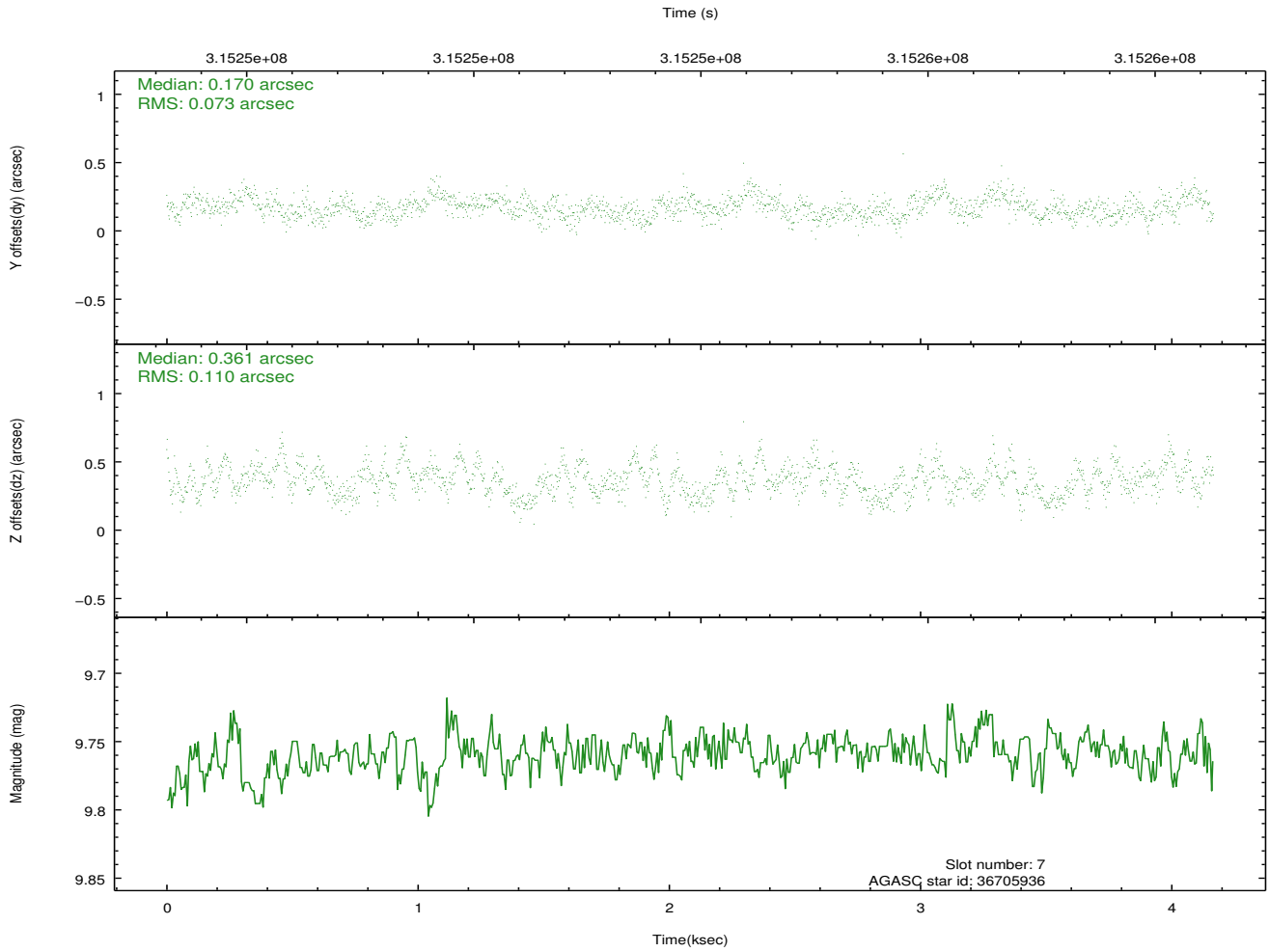
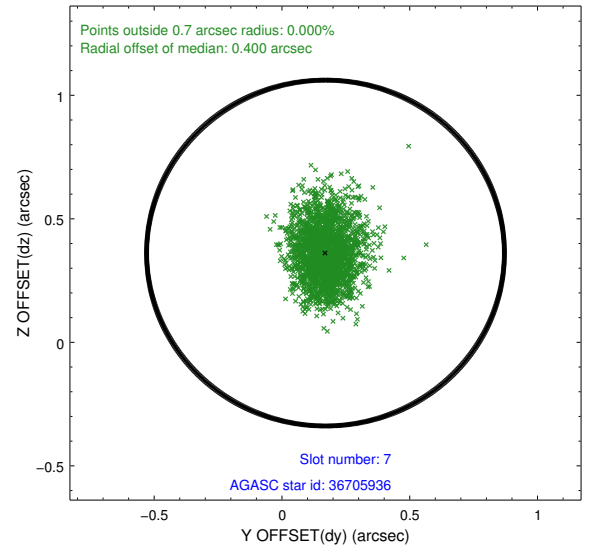
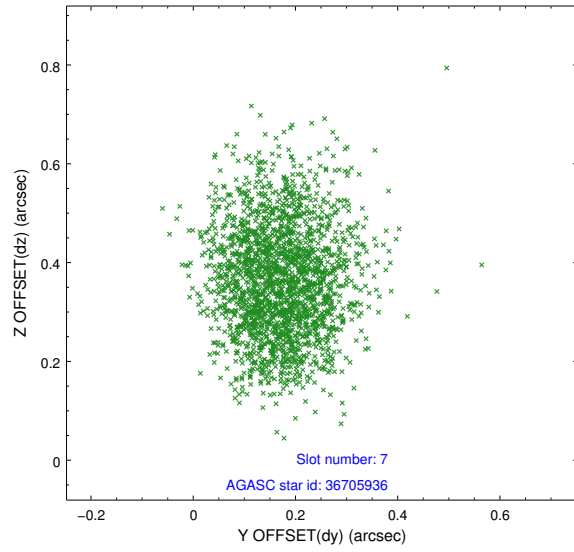
2.4.3 Slot 5



2.4.4 Slot 6

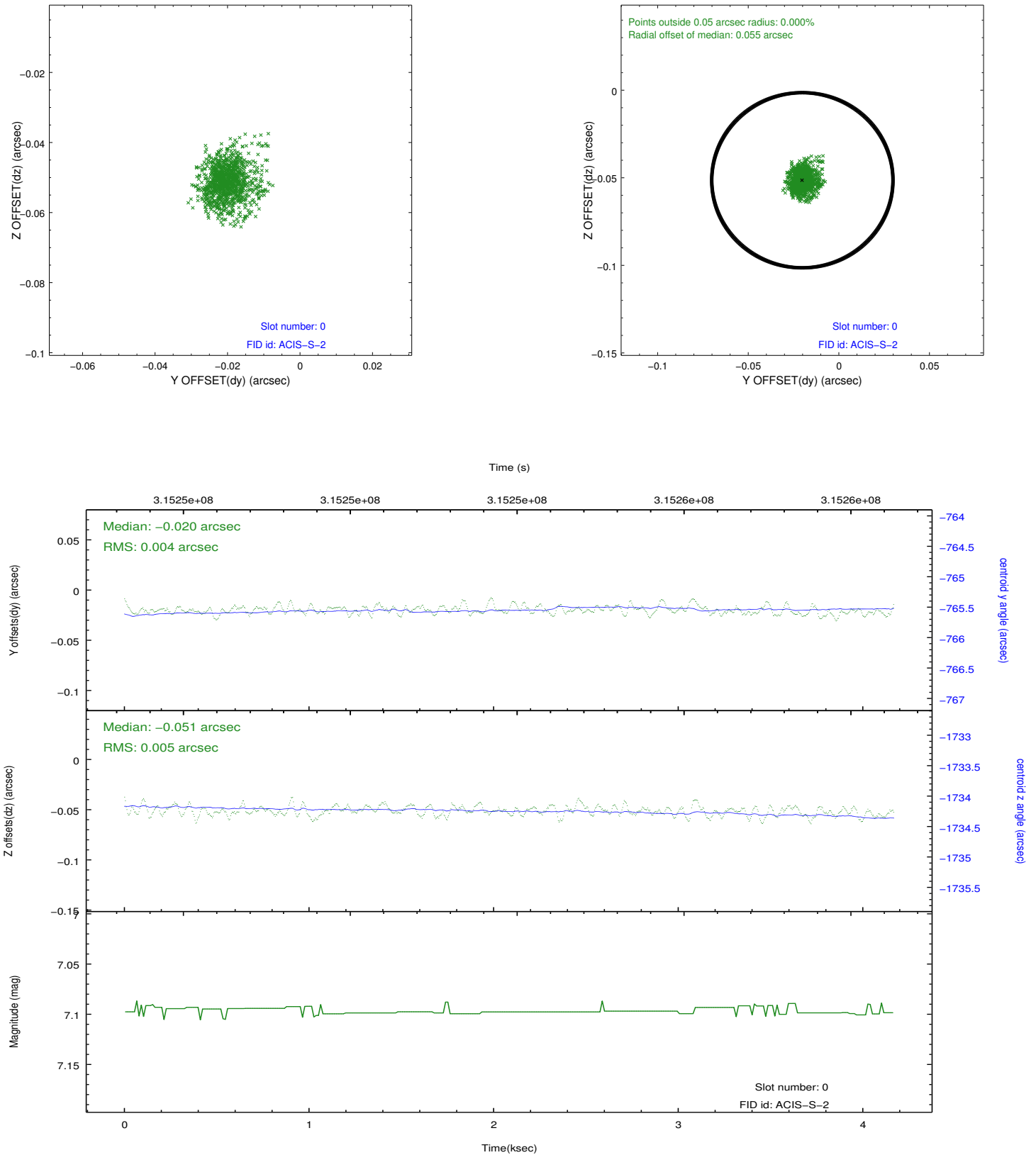


2.4.5 Slot 7

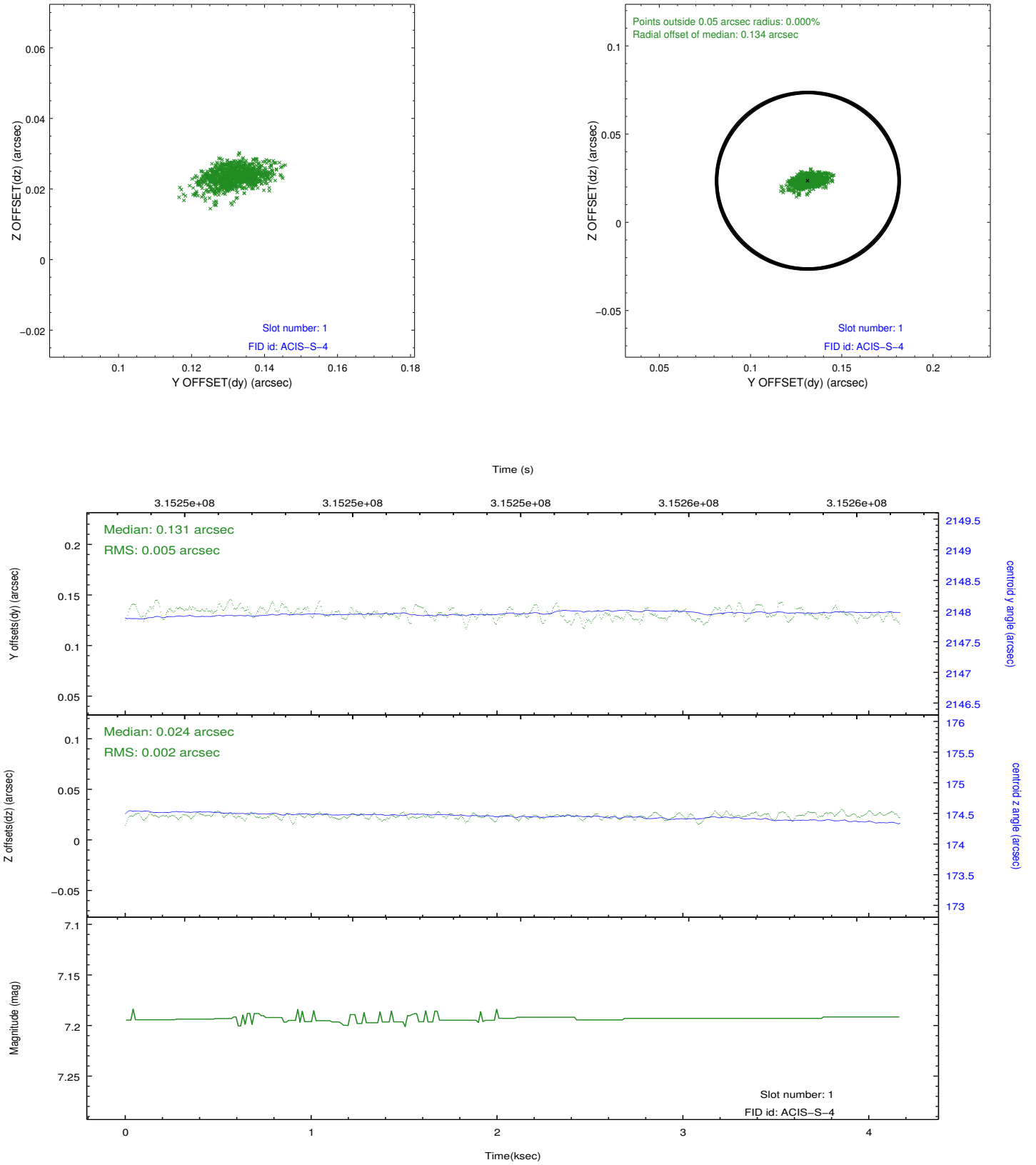


2.5 FID Slots

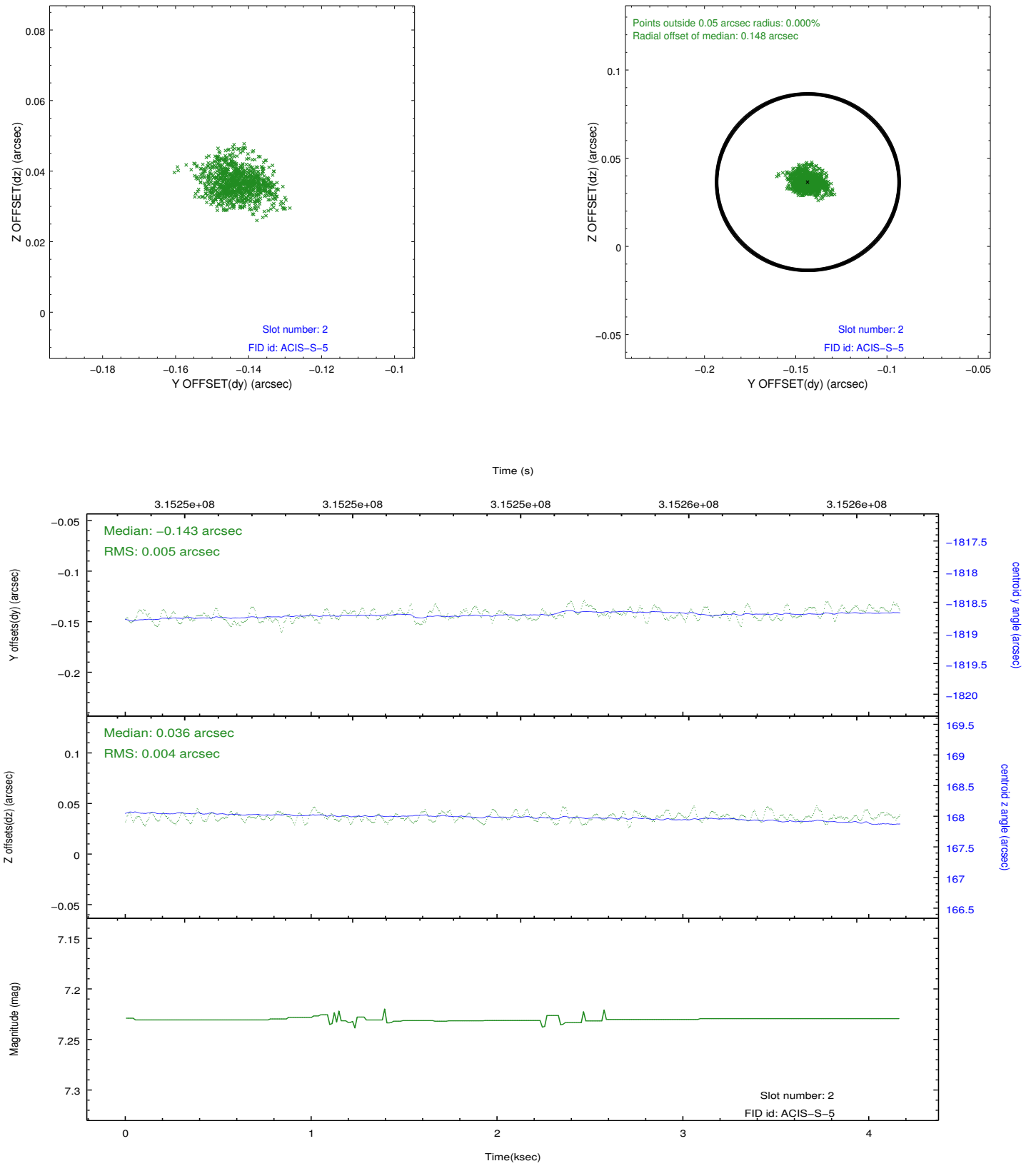
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.75359998

A.2 Comments