

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12876 - L2 Version 2
Chandra X-Ray Center

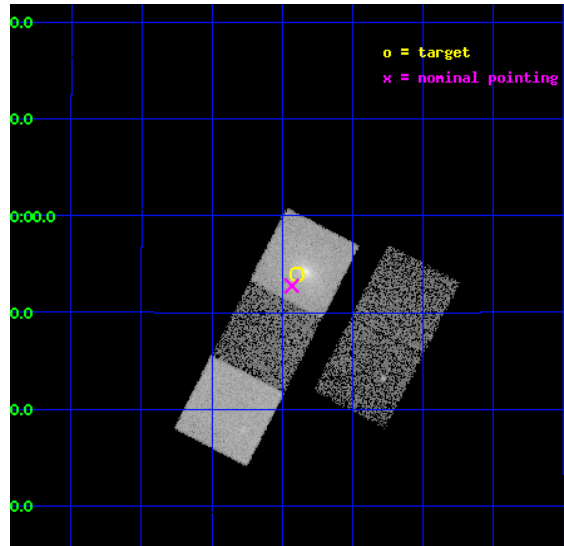
L2 Processing Date : Jul 8 2012

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

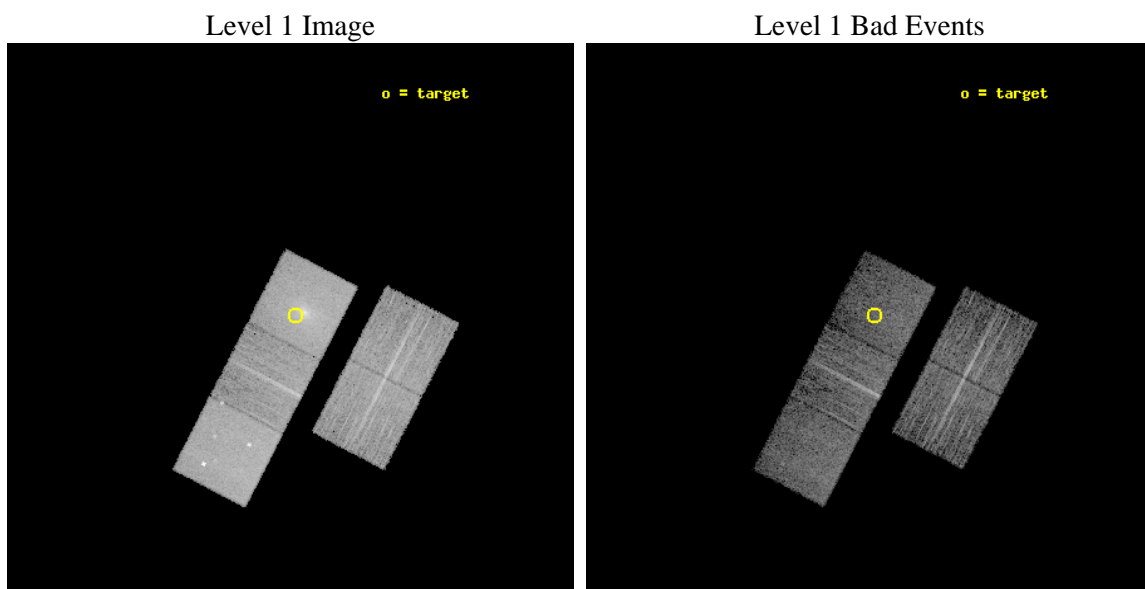
seq_num	801015	Sequence number
obs_id	12876	Observation id
title	Investigating AGN feedback in cool cores detected in Halpha	Propos
observer	Dr Myriam Gitti	Principal investigator
object	Abell 2495	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	342.599583	Observer's specified target RA [deg]
dec_targ	10.898528	Observer's specified target Dec [deg]
ra_nom	342.60775639313	Nominal RA [deg]
dec_nom	10.879313173185	Nominal Dec [deg]
roll_nom	297.34880844112	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8043.9841415286	Sum of GTIs [s]
livetime	7938.8835668246	Livetime [s]
ontime2	8043.8199815154	Sum of GTIs [s]
ontime3	8043.8610215187	Sum of GTIs [s]
ontime5	8043.9431015253	Sum of GTIs [s]
ontime6	8043.902061522	Sum of GTIs [s]
ontime7	8043.9841415286	Sum of GTIs [s]
l2events	100854	Number of level 2 events



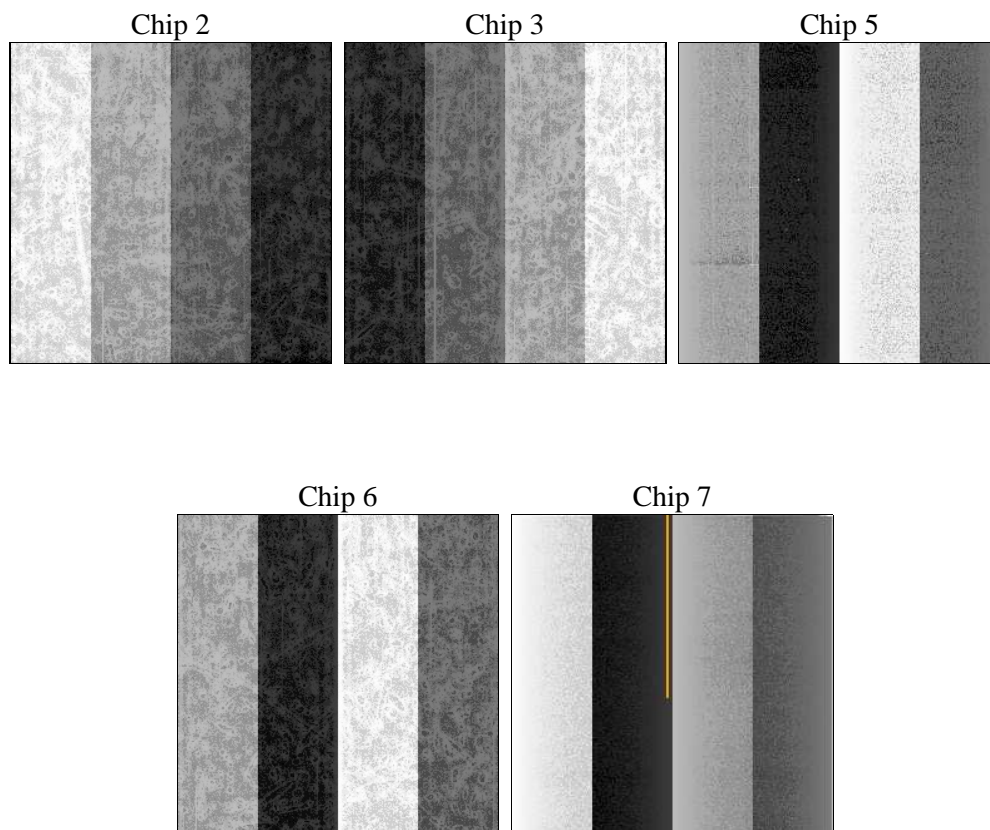
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8043.9841415286	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	8043.8199815154	Sum of GTIs [s]
date	2012-07-08T19:29:18	Date and time of file creation	ontime3	8043.8610215187	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8043.9431015253	Sum of GTIs [s]
			ontime6	8043.902061522	Sum of GTIs [s]
			ontime7	8043.9841415286	Sum of GTIs [s]
			l1events	336851	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	55404	53744	89346	54407	83950
rejected events	49237	47977	44027	47544	39225
rejected %	88%	89%	49%	87%	46%

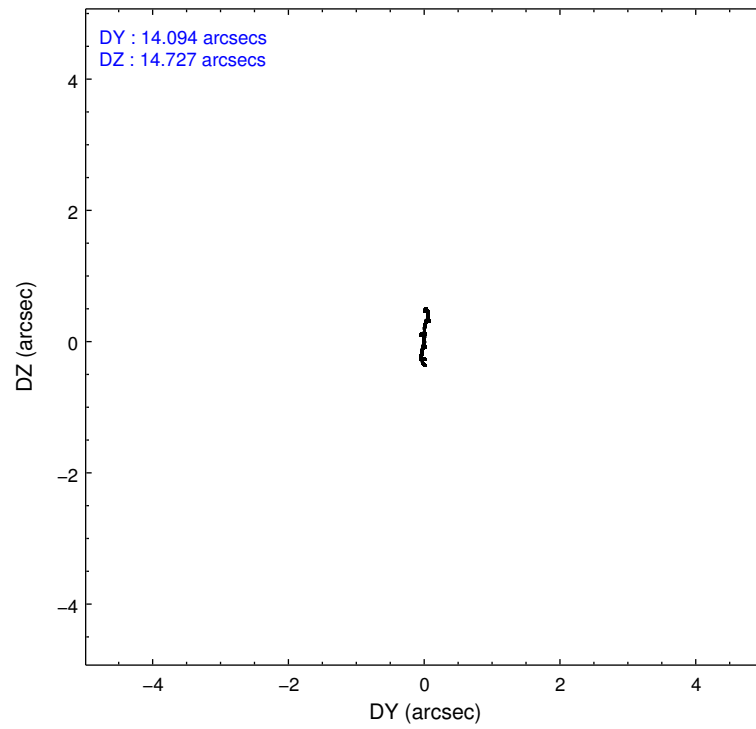
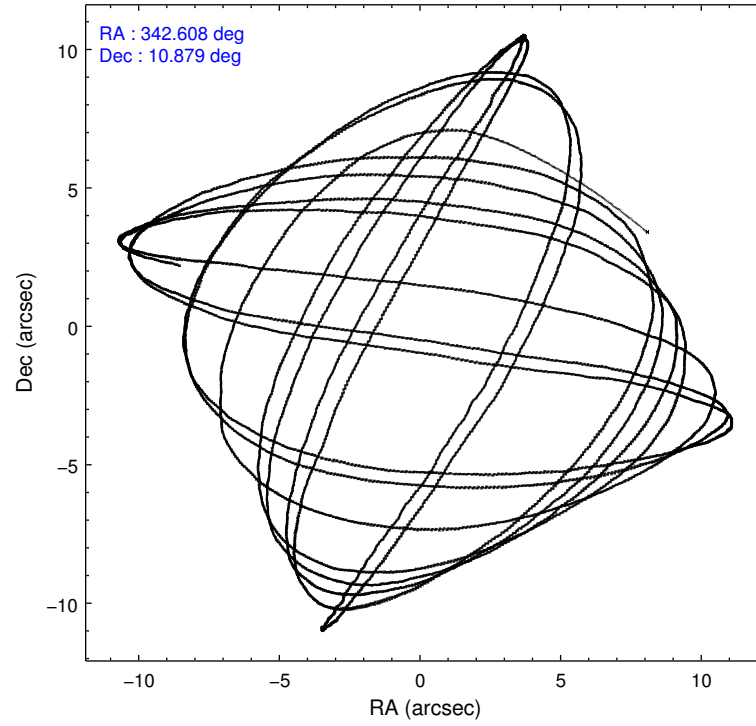
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2262	2133	5014	2546	7010
	4%	3%	5%	4%	8%
grade 1 events	32	35	212	28	102
	0%	0%	0%	0%	0%
grade 2 events	1512	1208	13984	1476	9843
	2%	2%	15%	2%	11%
grade 3 events	650	652	1741	685	4297
	1%	1%	1%	1%	5%
grade 4 events	638	623	1719	736	4325
	1%	1%	1%	1%	5%
grade 5 events	2253	2630	6863	2663	7382
	4%	4%	7%	4%	8%
grade 6 events	1107	1153	22880	1424	19281
	1%	2%	25%	2%	22%
grade 7 events	46950	45310	36933	44849	31710
	84%	84%	41%	82%	37%

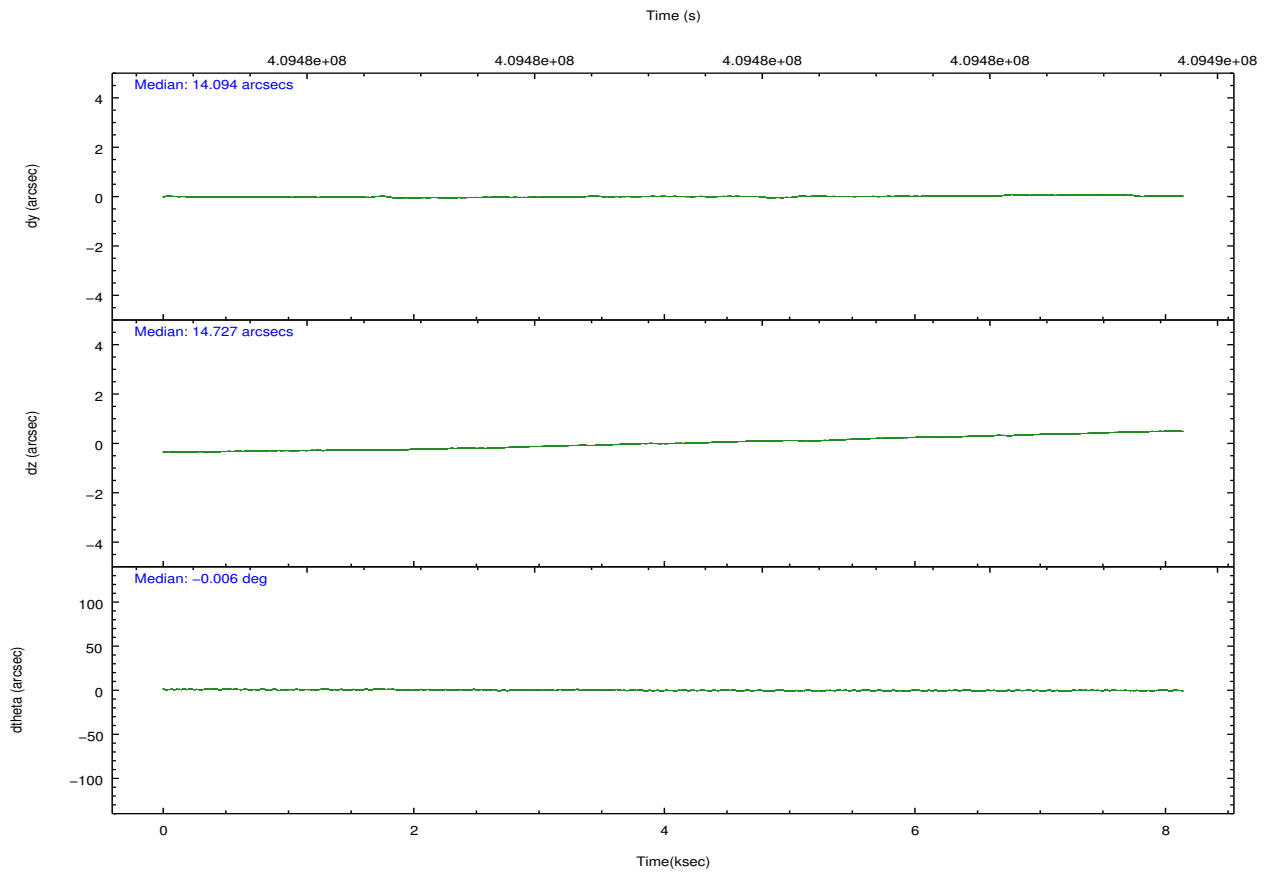
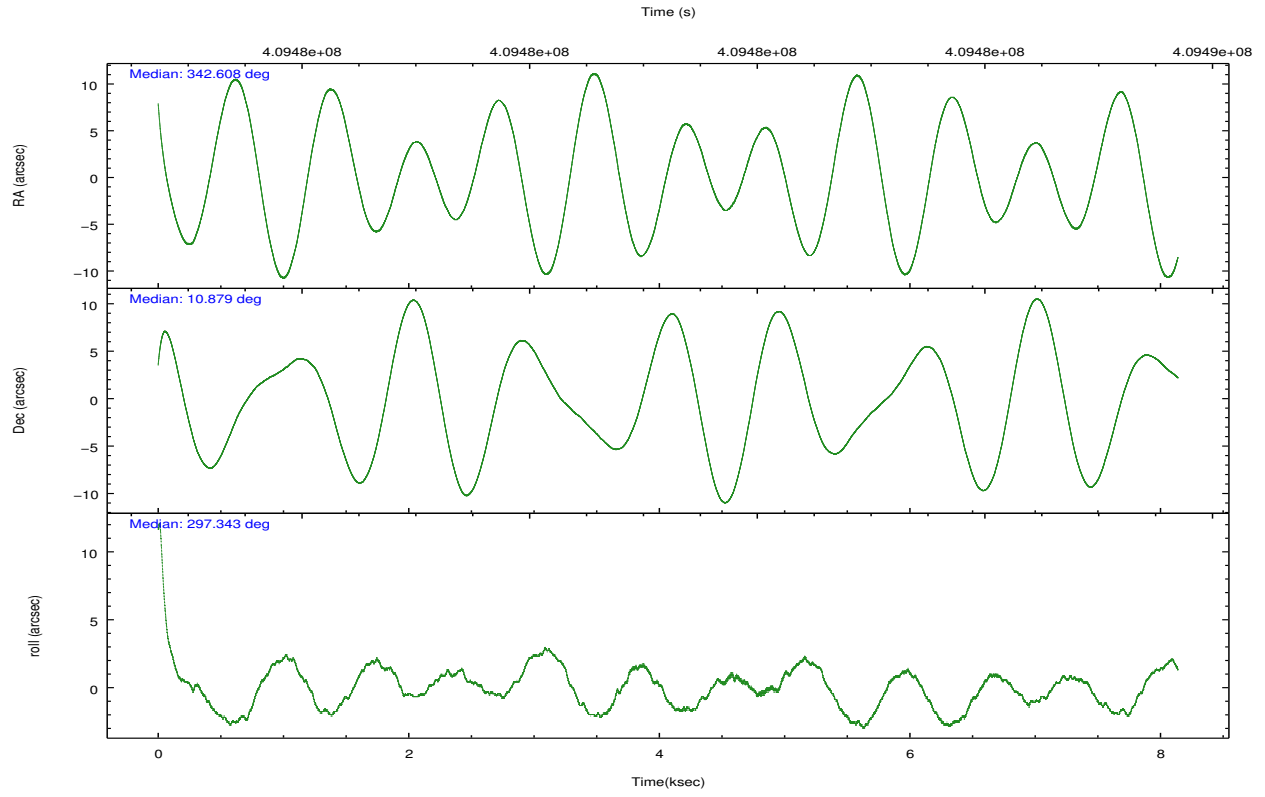
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23567	ACIS-23567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	342.584151	342.6077563931264
[deg] Pointing Dec	10.893743	10.87931317318533
[deg] Pointing Roll	297.196631	297.3488084411243
[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)	409477291.184000	409476054.3588
Observation start date	2010-12-23T07:40:25	2010-12-23T07:20:54
[s] Observation end time (MET)	409485291.184000	409486809.68435
Observation end date	2010-12-23T09:53:45	2010-12-23T10:20:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



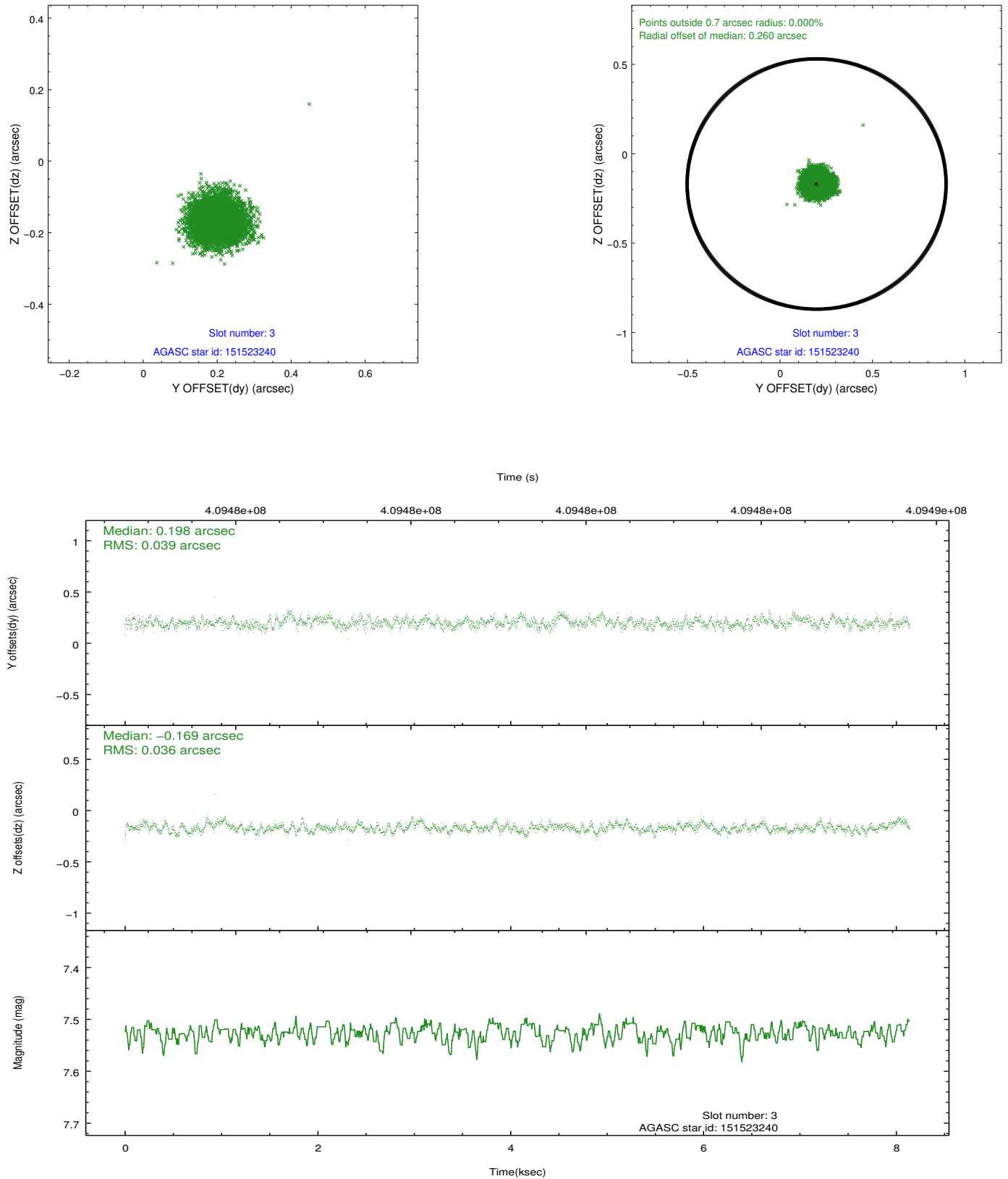


Slot Statistics

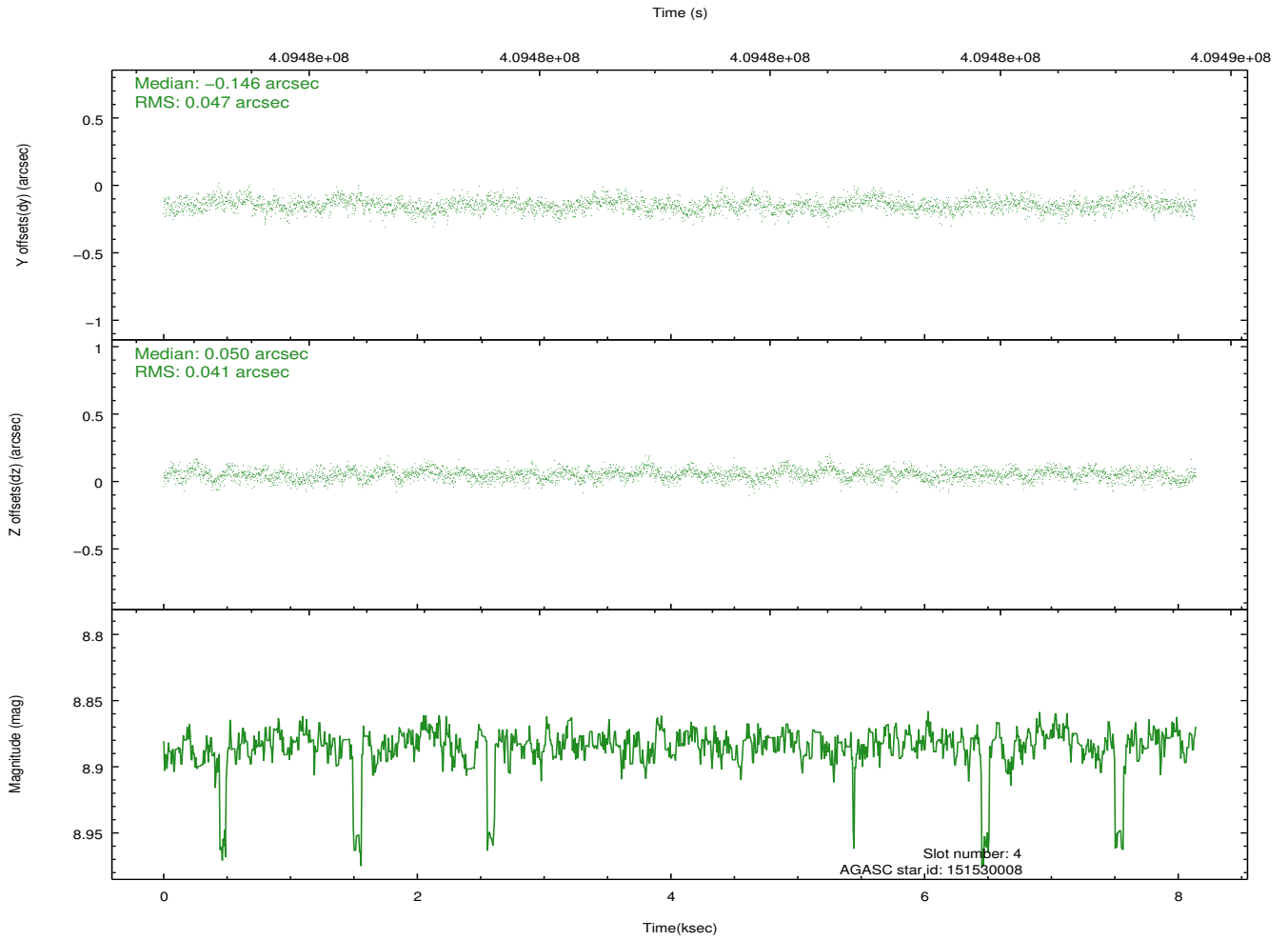
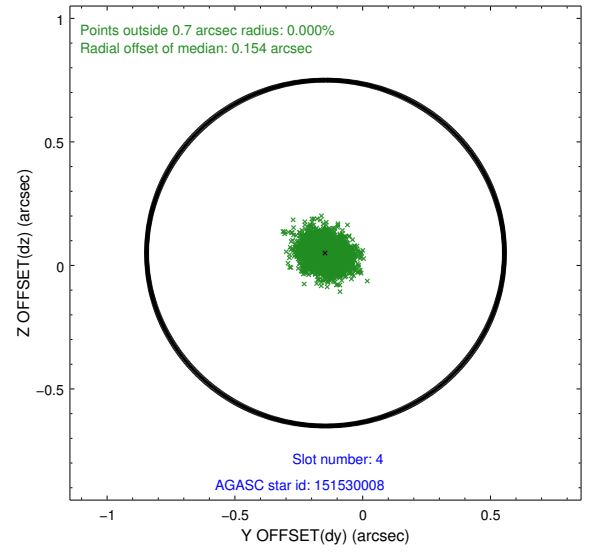
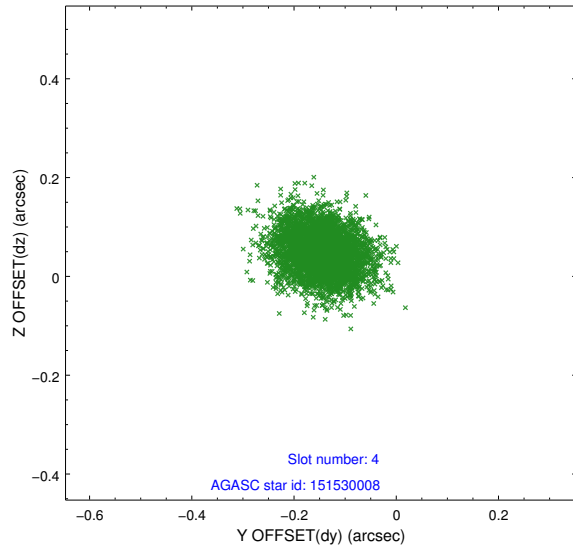
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.03	1986	0.034	-0.021	0.012	0.020	0.000000	0.000000	929.04	-1731.77
1	FID	ACIS-S-4	7.04	1986	0.166	0.003	0.010	0.015	0.000000	0.000000	2146.94	171.71
2	FID	ACIS-S-5	7.07	1986	-0.227	0.031	0.007	0.012	0.000000	0.000000	-1819.23	166.08
3	GUIDE	151523240	7.53	3972	0.198	-0.169	0.058	0.091	342.223706	10.532423	573.98	-1728.64
4	GUIDE	151530008	8.88	3957	-0.146	0.050	0.066	0.108	342.605770	11.480344	-1843.03	1032.56
5	GUIDE	151399904	7.63	3971	-0.055	-0.012	0.054	0.084	342.016695	10.572607	108.90	-2313.09
6	GUIDE	151530424	9.05	3967	0.008	0.126	0.072	0.119	342.688881	11.424428	-1530.11	1201.65
7	GUIDE	151525064	7.09	3971	-0.013	0.006	0.056	0.100	343.086177	10.414358	2346.59	794.24

2.4 Star Slots

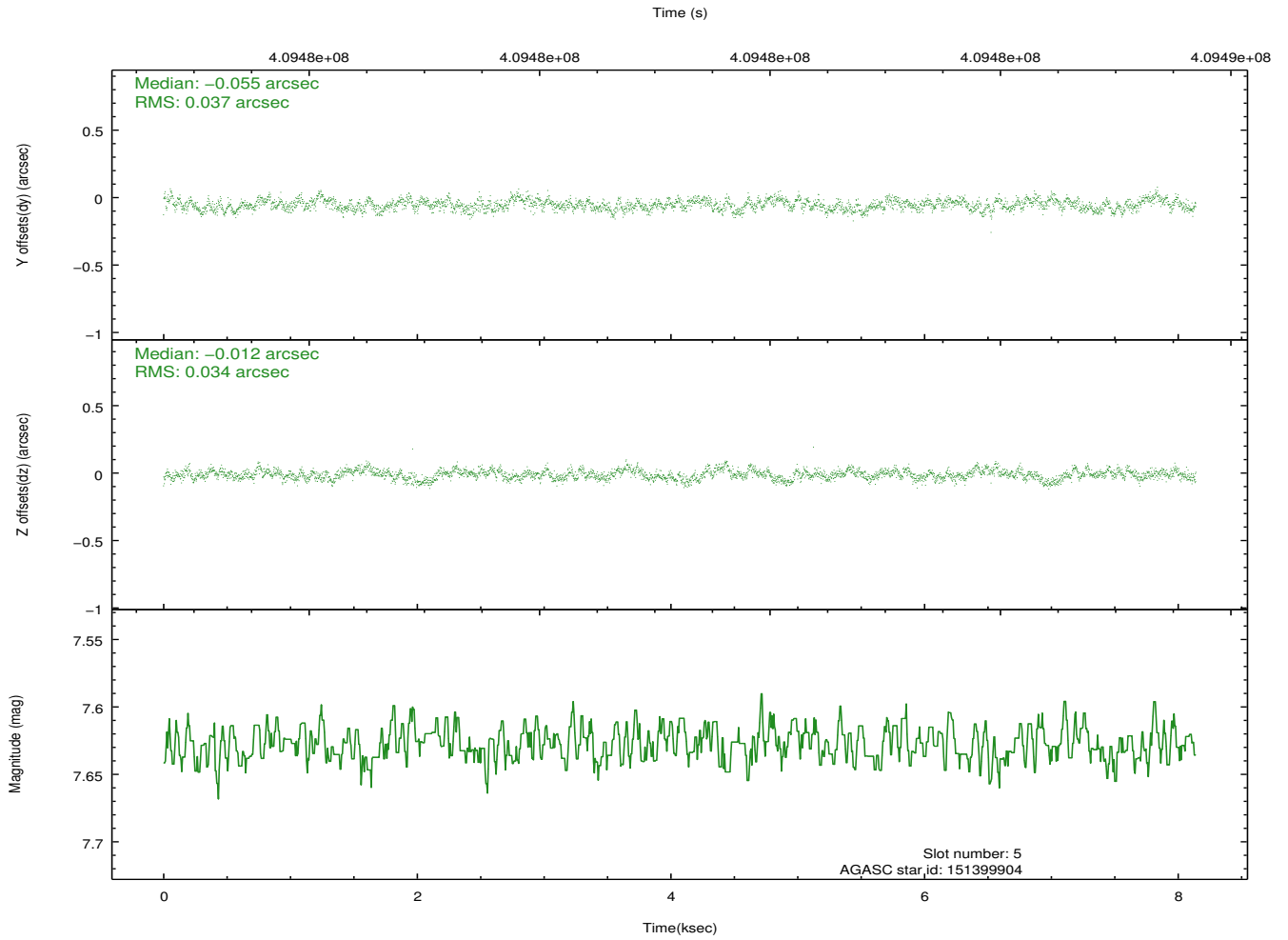
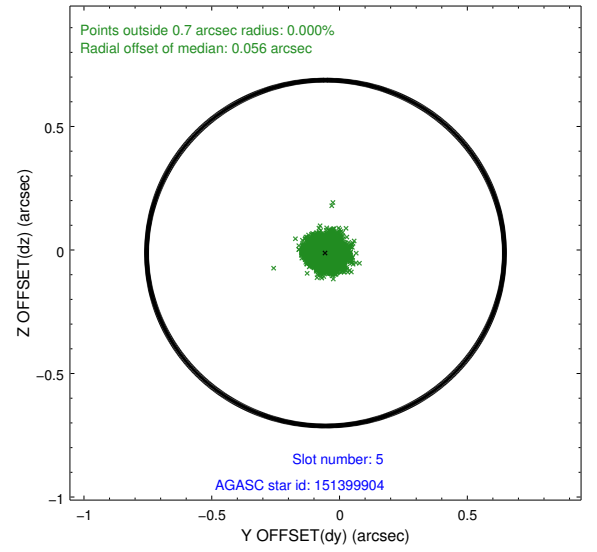
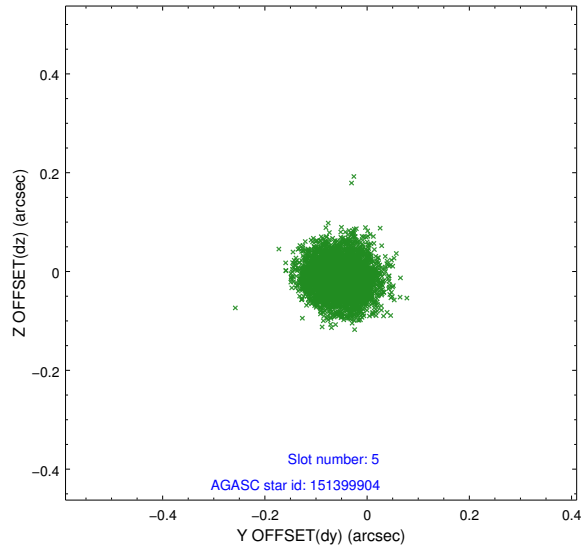
2.4.1 Slot 3



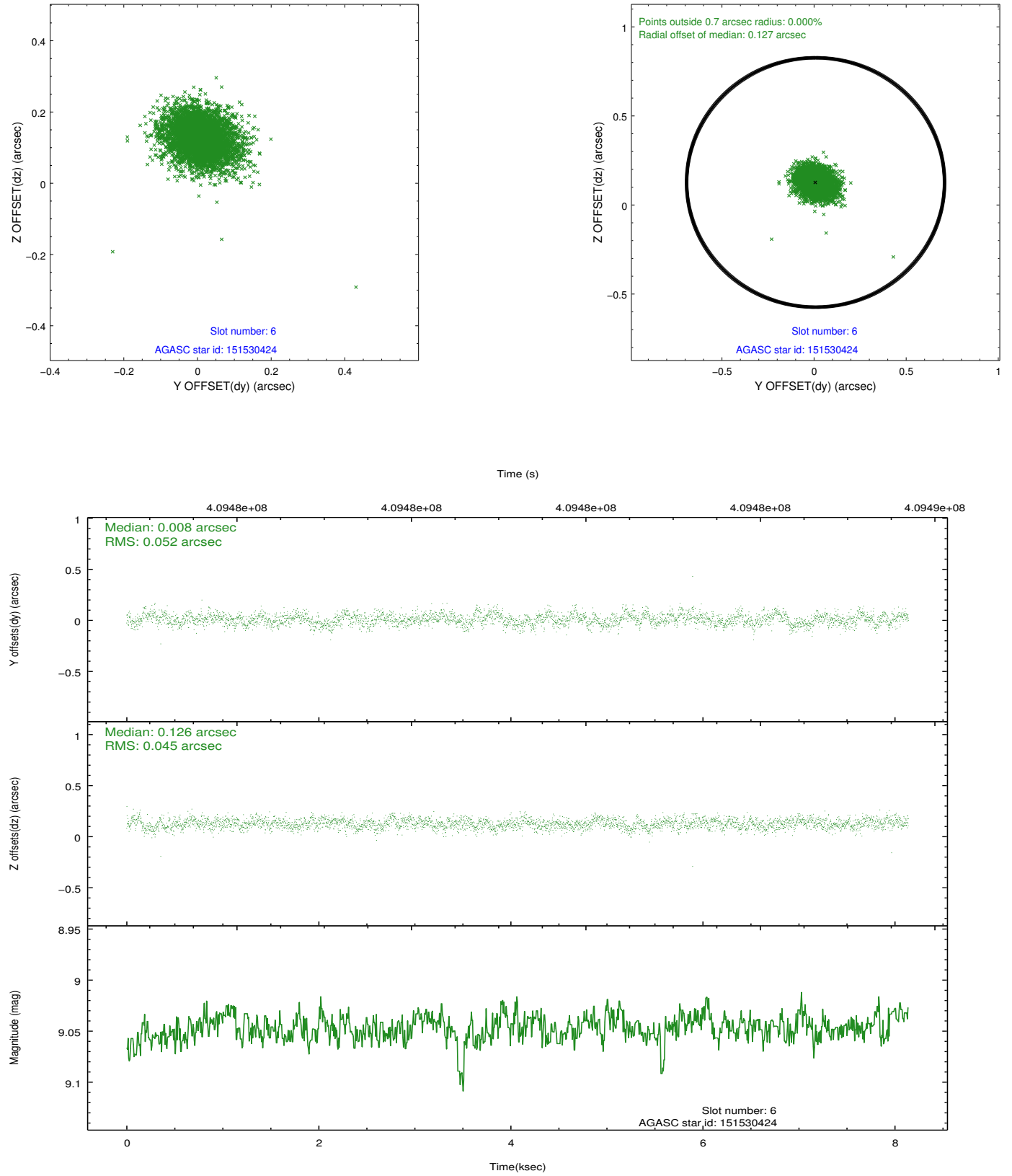
2.4.2 Slot 4



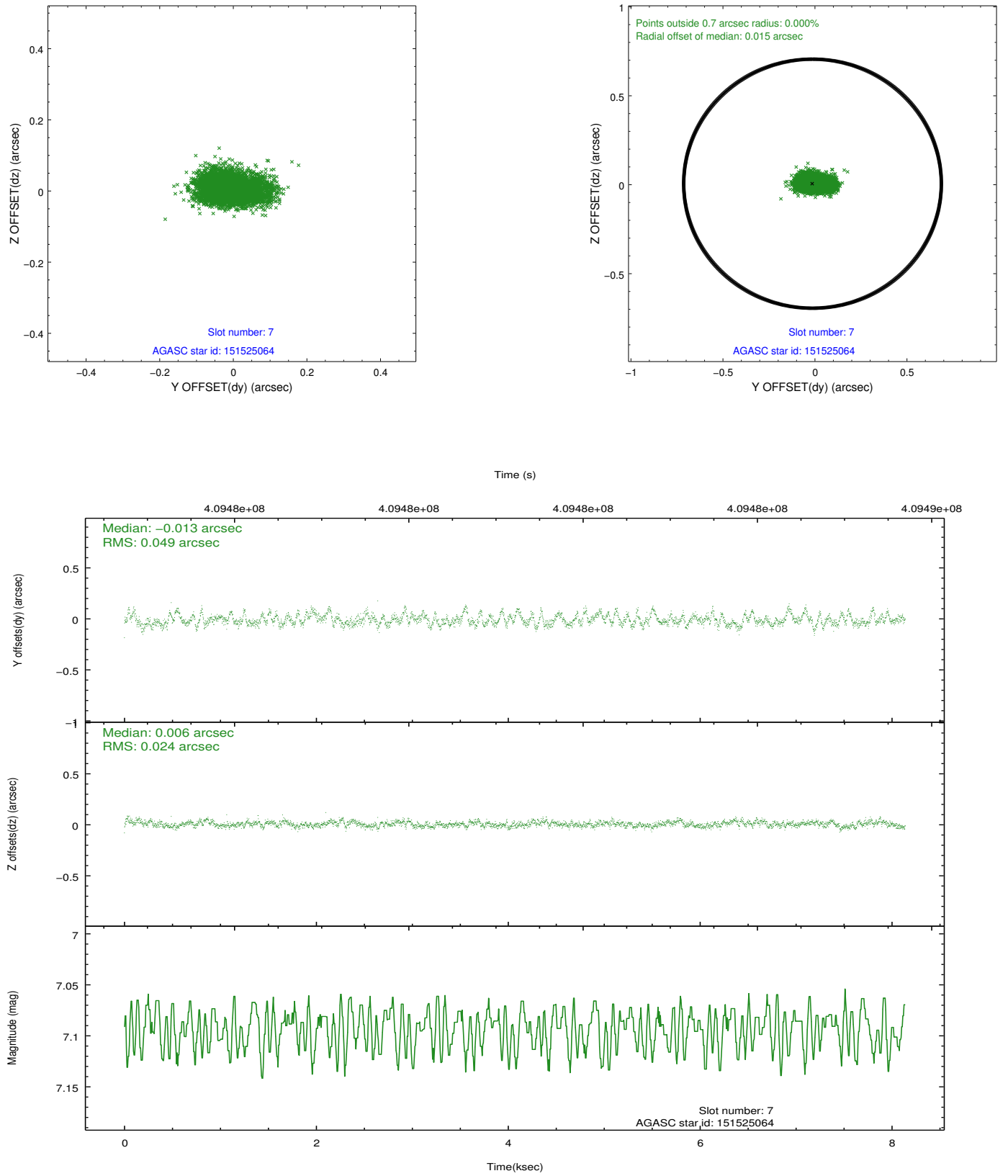
2.4.3 Slot 5



2.4.4 Slot 6

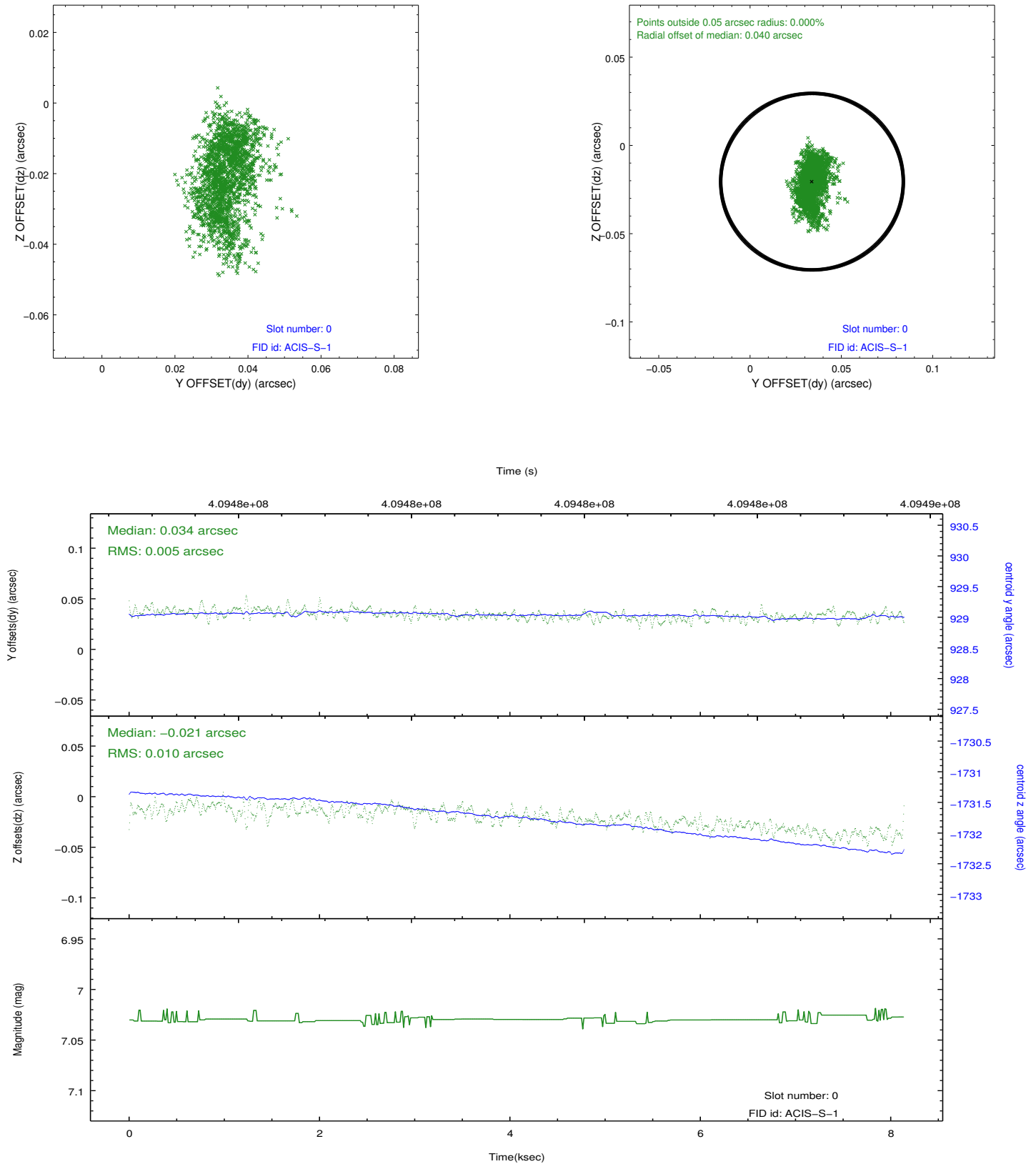


2.4.5 Slot 7

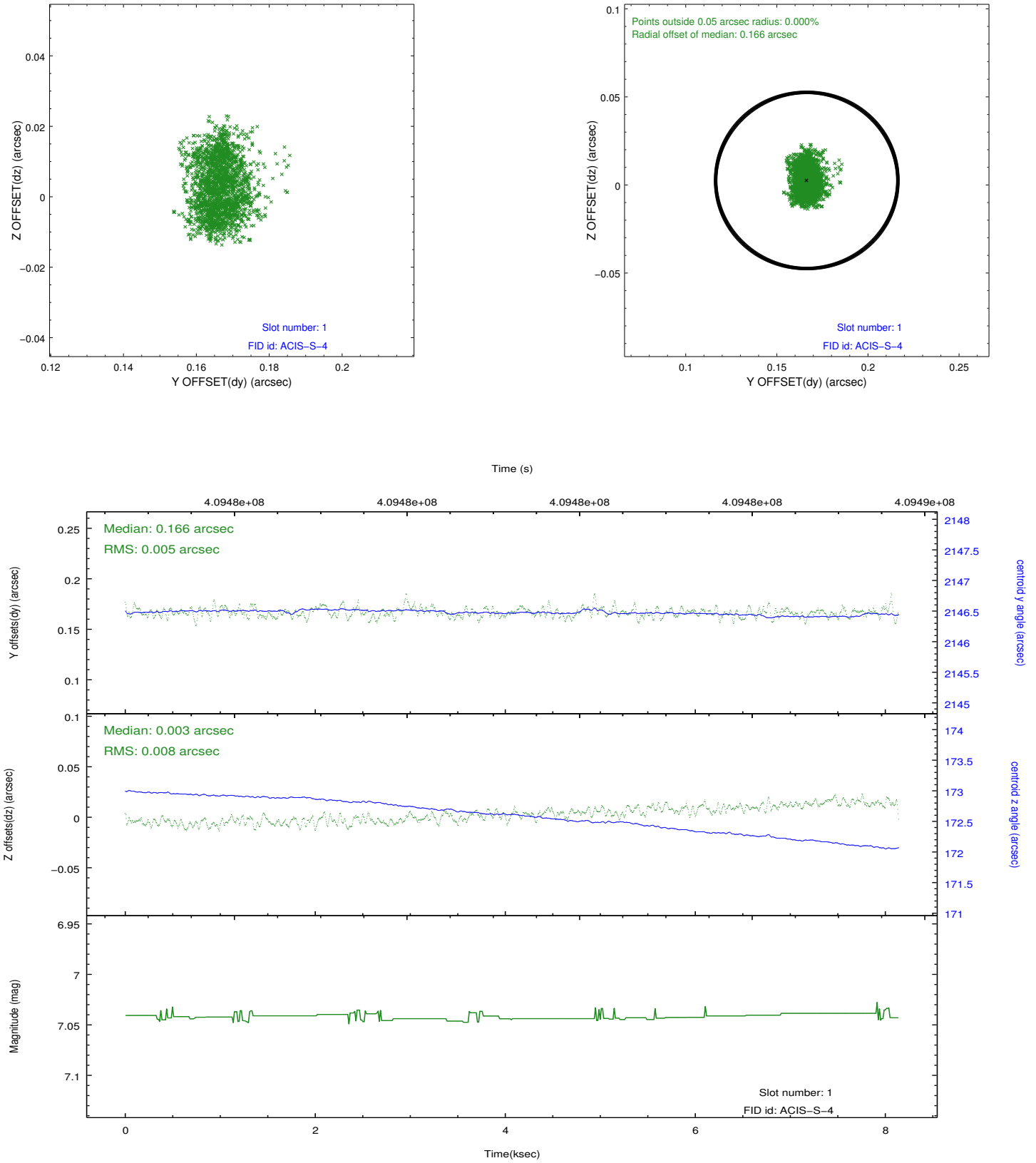


2.5 FID Slots

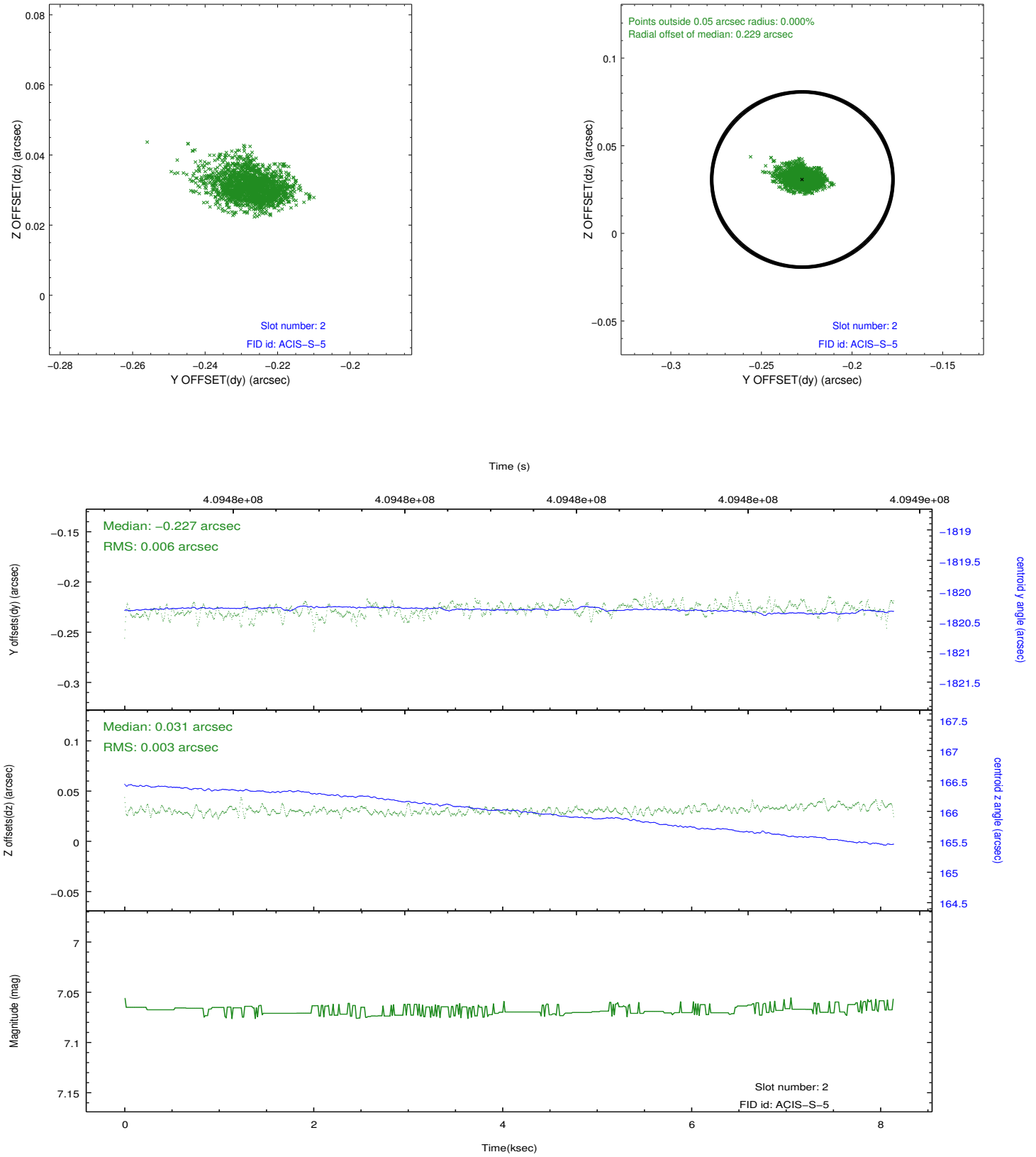
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0439841380119

A.2 Comments

Joint Proposal: NRAO.