

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12733 - L2 Version 2
Chandra X-Ray Center

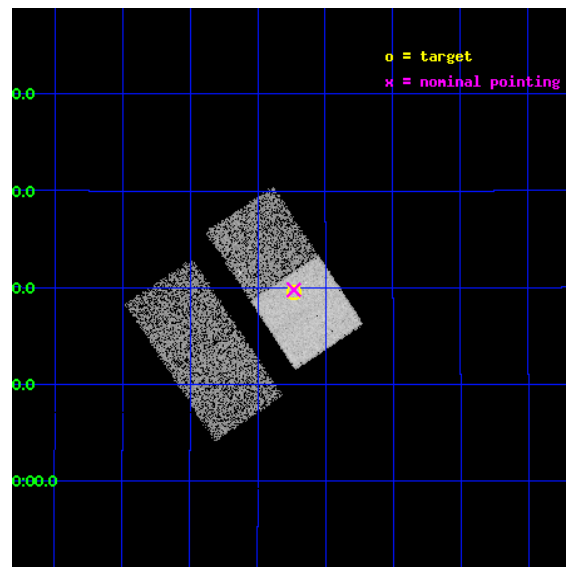
L2 Processing Date : Jul 5 2012

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

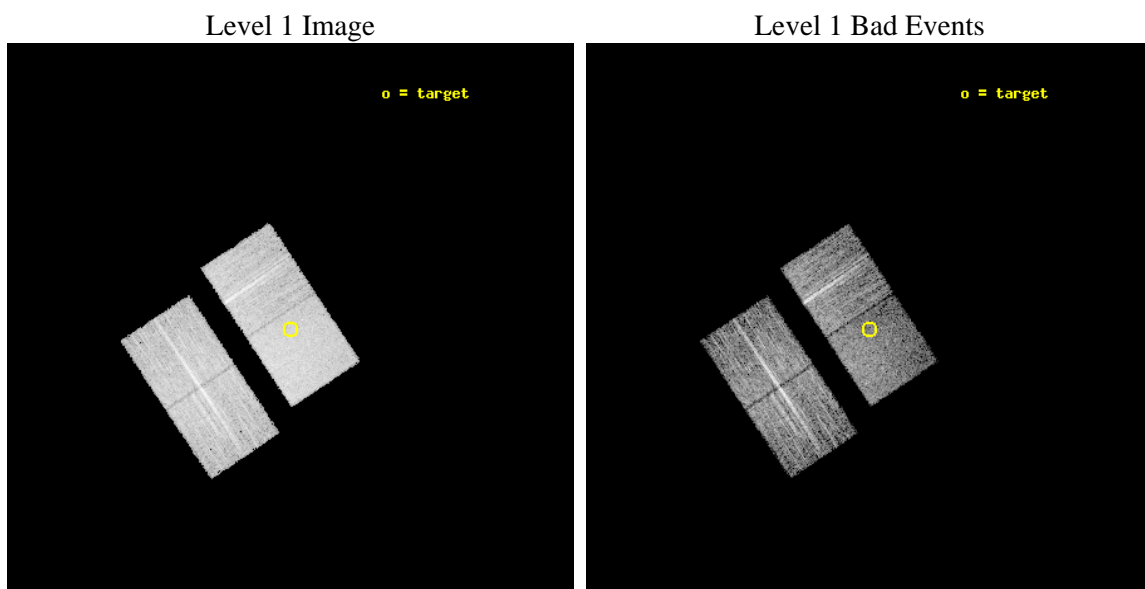
seq_num	702369	Sequence number
obs_id	12733	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 258	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.182917	Observer's specified target RA [deg]
dec_targ	19.324806	Observer's specified target Dec [deg]
ra_nom	171.18304907315	Nominal RA [deg]
dec_nom	19.329648007905	Nominal Dec [deg]
roll_nom	56.416836813802	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8053.1650744677	Sum of GTIs [s]
livetime	7947.9445441159	Livetime [s]
ontime2	8053.0419544578	Sum of GTIs [s]
ontime3	8053.0829944611	Sum of GTIs [s]
ontime6	8053.1240344644	Sum of GTIs [s]
ontime7	8053.1650744677	Sum of GTIs [s]
l2events	46381	Number of level 2 events



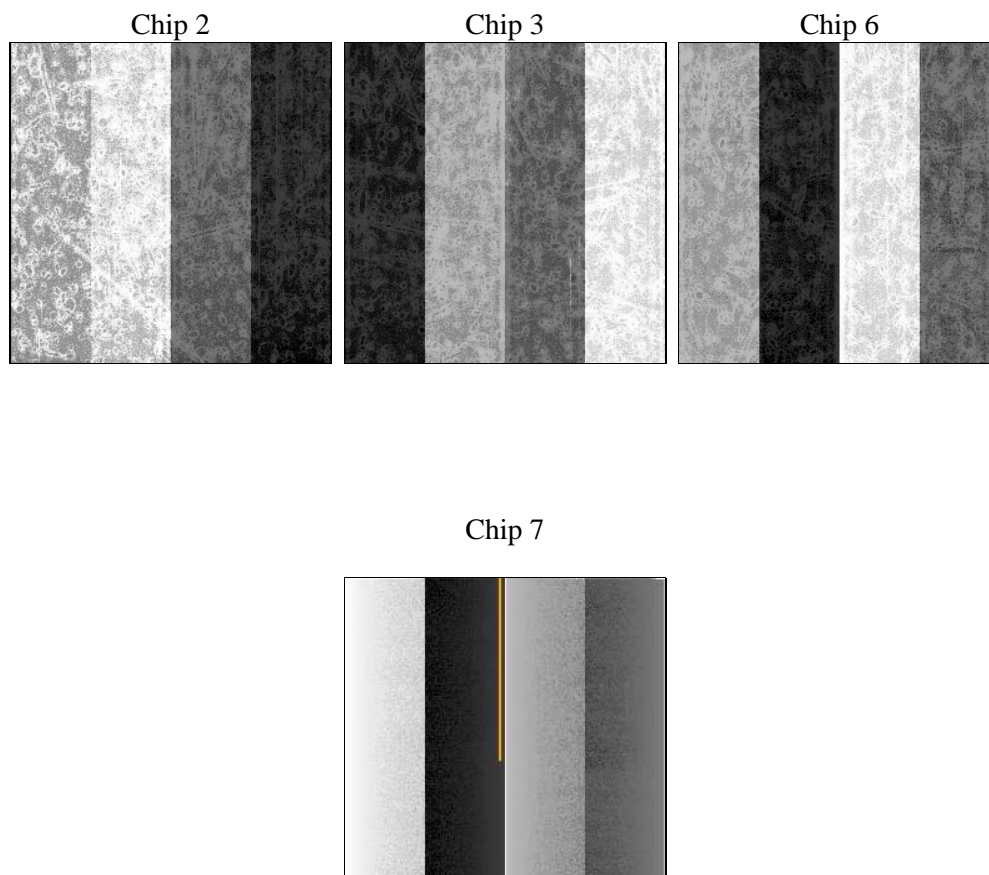
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8053.1650744677	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	8053.0419544578	Sum of GTIs [s]
date	2012-07-05T21:11:13	Date and time of file creation	ontime3	8053.0829944611	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8053.1240344644	Sum of GTIs [s]
			ontime7	8053.1650744677	Sum of GTIs [s]
			l1events	235609	Number of level 1 events

2.1.4 Events

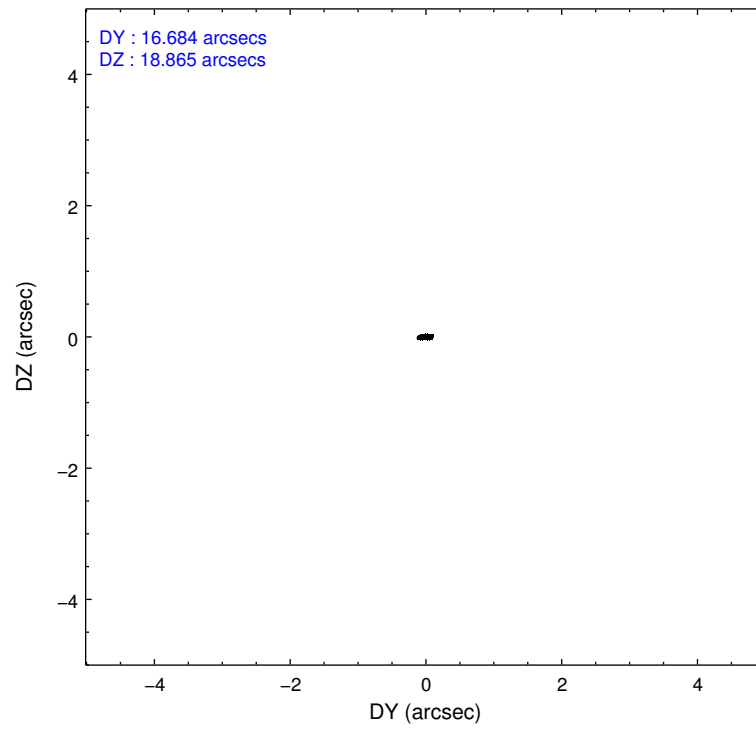
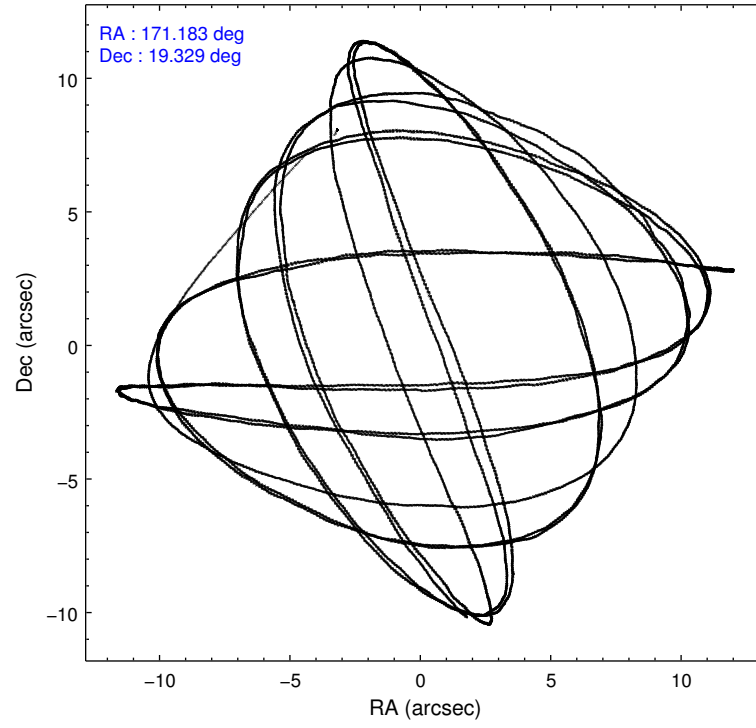
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	54963	54053	56221	70372
rejected events	48886	48351	49723	38852
rejected %	88%	89%	88%	55%

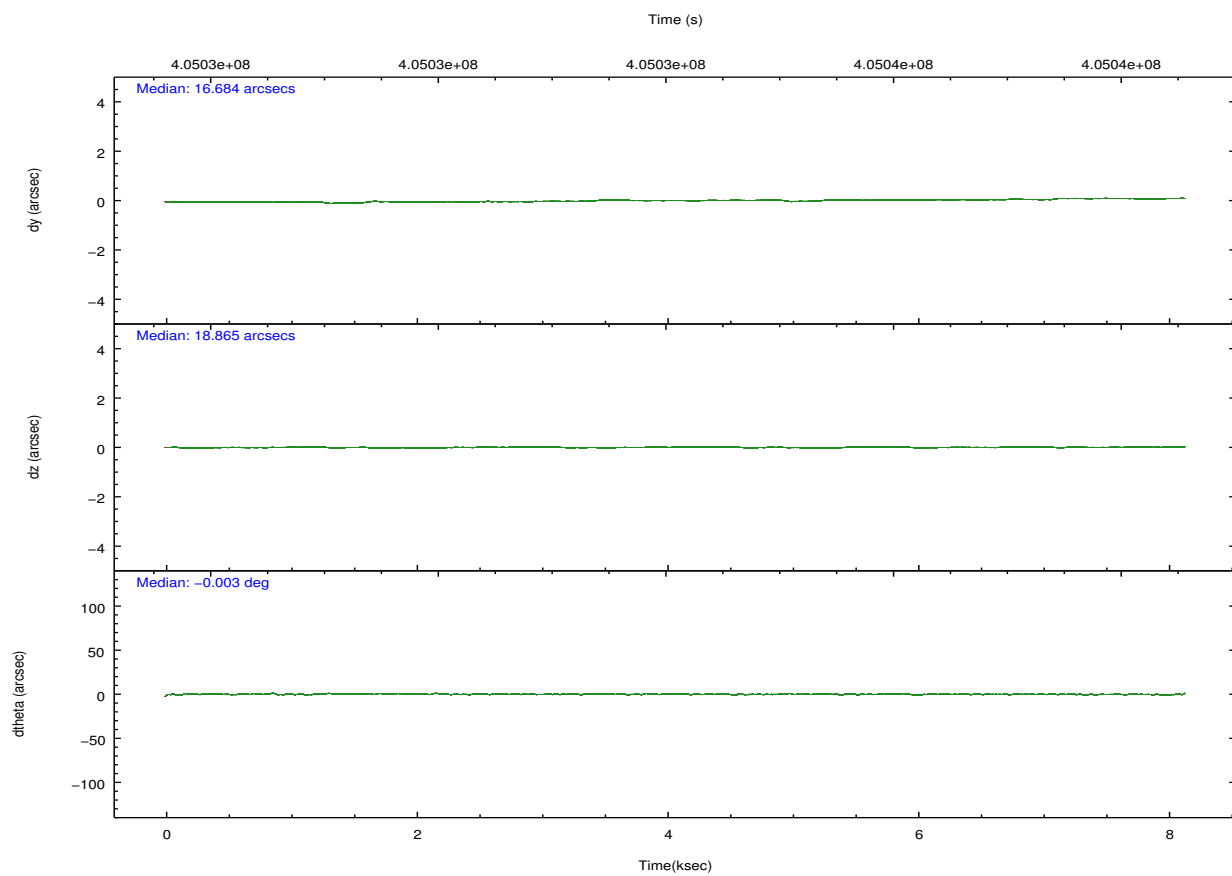
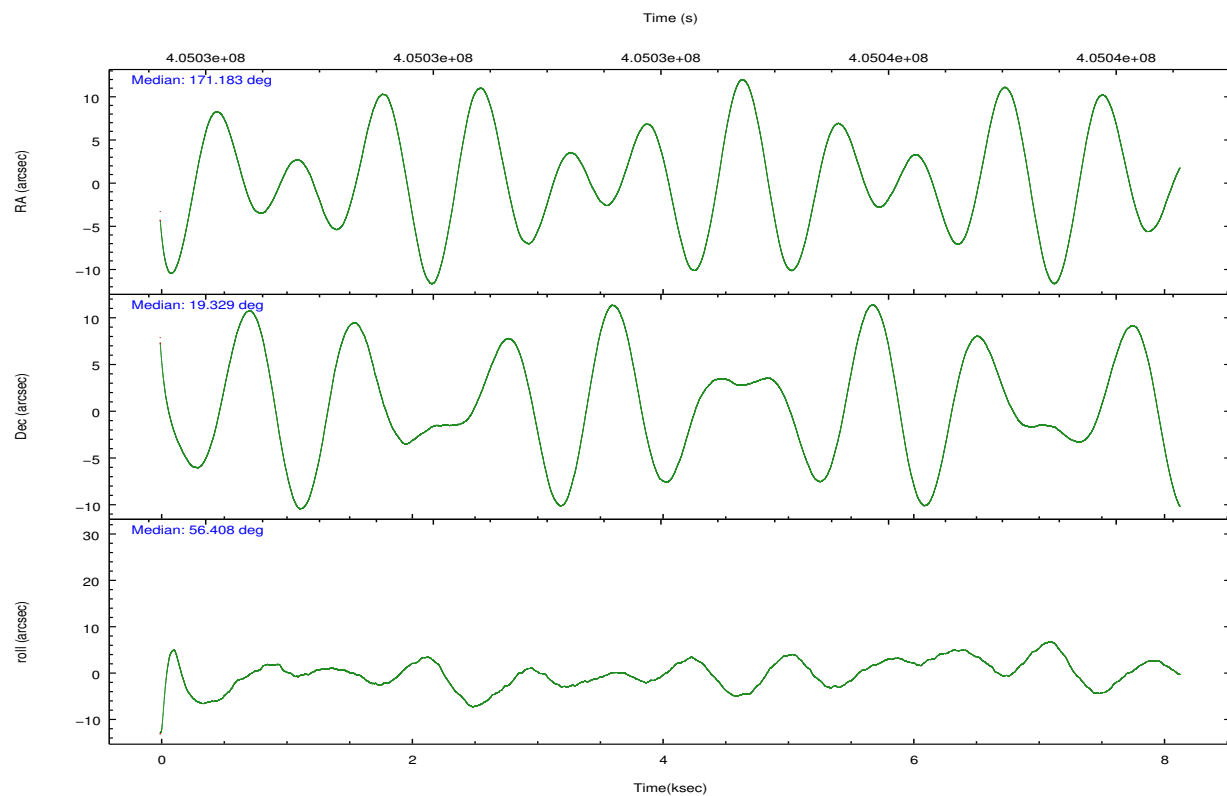
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2110	1971	2275	2921
	3%	3%	4%	4%
grade 1 events	28	40	29	100
	0%	0%	0%	0%
grade 2 events	1457	1291	1399	6499
	2%	2%	2%	9%
grade 3 events	624	630	687	2807
	1%	1%	1%	3%
grade 4 events	659	615	671	2756
	1%	1%	1%	3%
grade 5 events	2152	2576	2591	7267
	3%	4%	4%	10%
grade 6 events	1228	1199	1471	16549
	2%	2%	2%	23%
grade 7 events	46705	45731	47098	31473
	84%	84%	83%	44%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	171.181668	171.1830490731534	CCD I2 on	O1	Y
[deg] Pointing Dec	19.302337	19.32964800790535	CCD I3 on	O2	Y
[deg] Pointing Roll	56.260699	56.41683681380218	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	N	N
[s] Observation start time (MET)	405030139.184000	405028828.71706	CCD S5 on	N	N
Observation start date	2010-11-01T20:21:13	2010-11-01T20:00:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	405038139.184000	405039245.7926	On-chip summing requested	N	N
Observation end date	2010-11-01T22:34:33	2010-11-01T22:54:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



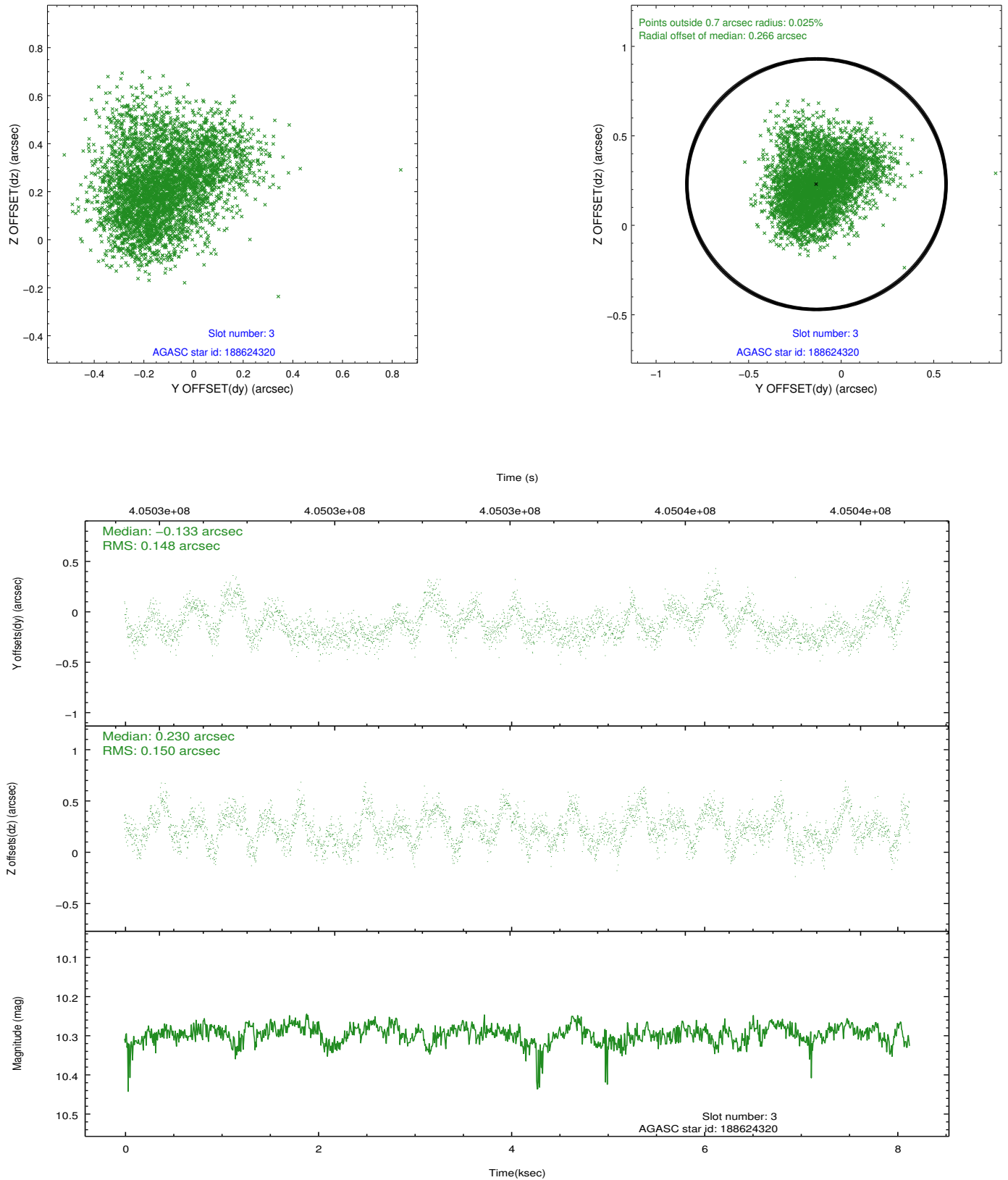


Slot Statistics

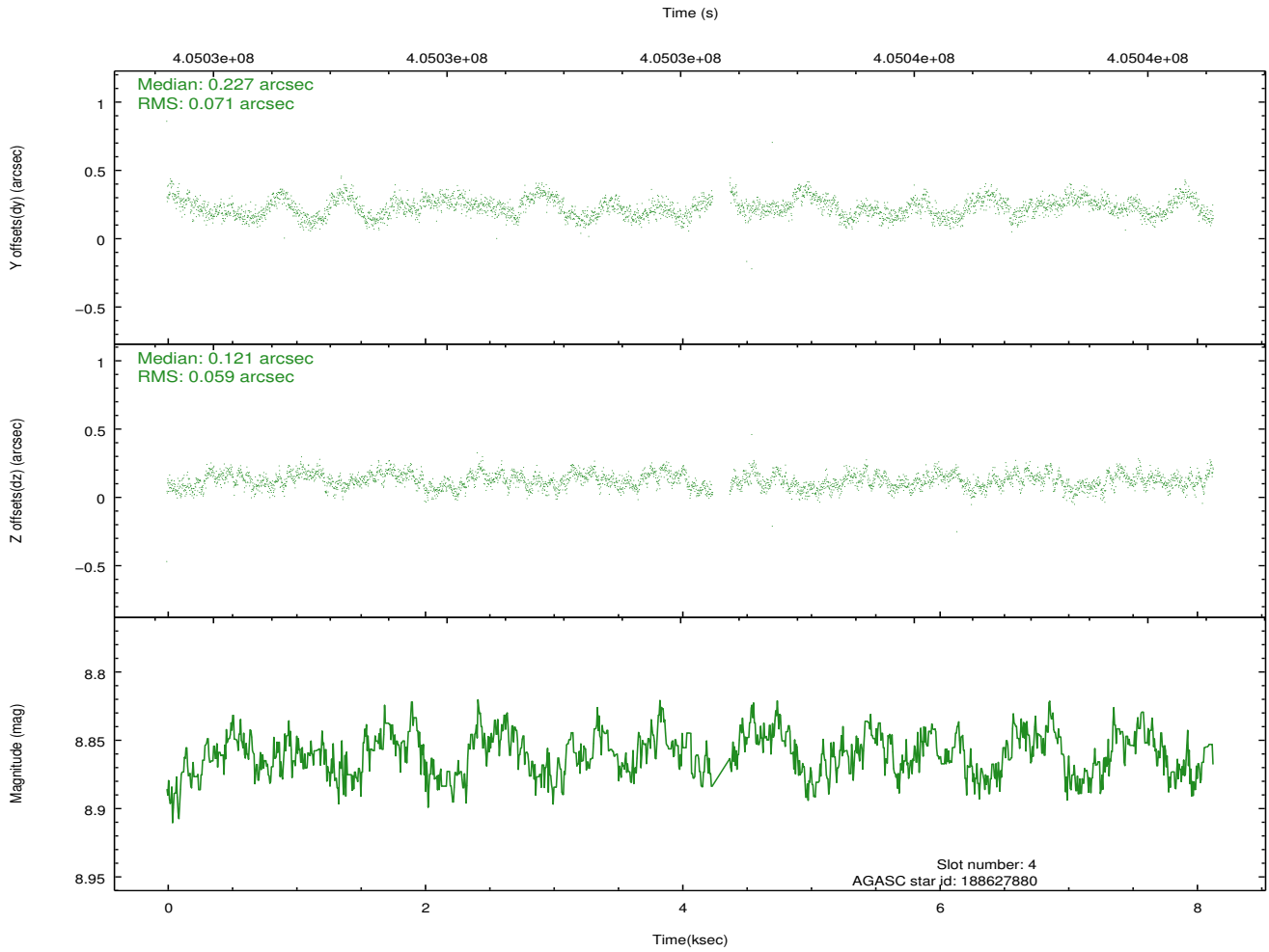
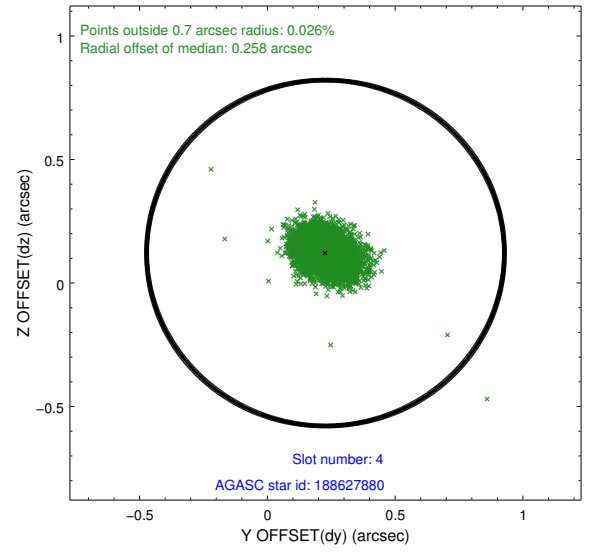
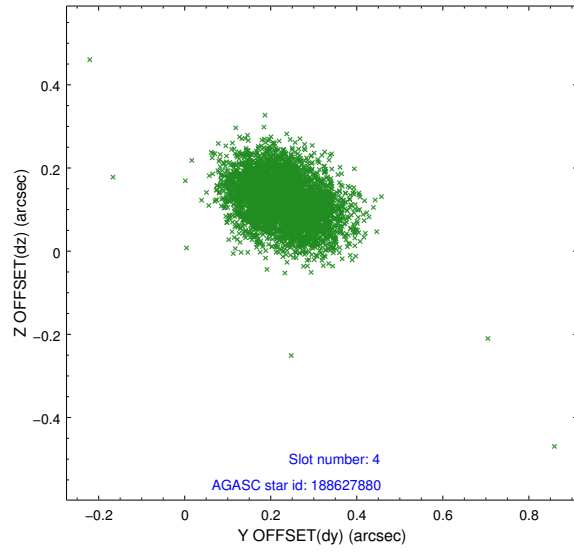
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1985	-0.077	-0.043	0.006	0.010	0.000000	0.000000	-769.79	-1740.33
1	FID	ACIS-S-4	6.97	1985	0.169	0.049	0.005	0.009	0.000000	0.000000	2143.44	167.49
2	FID	ACIS-S-5	7.01	1984	-0.124	0.003	0.006	0.010	0.000000	0.000000	-1821.78	161.95
3	GUIDE	188624320	10.30	3963	-0.133	0.230	0.227	0.356	171.604371	19.516027	1438.09	-763.98
4	GUIDE	188627880	8.86	3903	0.227	0.121	0.097	0.150	170.852604	19.034852	-1420.95	396.83
5	GUIDE	188631912	9.43	3962	-0.046	-0.117	0.143	0.222	171.175114	19.651700	1032.92	717.63
6	GUIDE	188628904	9.30	3966	0.098	-0.337	0.119	0.186	170.481836	19.471493	-808.59	2315.49
7	GUIDE	188630352	10.13	3958	-0.175	0.081	0.290	0.454	171.776738	19.692394	2290.60	-893.98

2.4 Star Slots

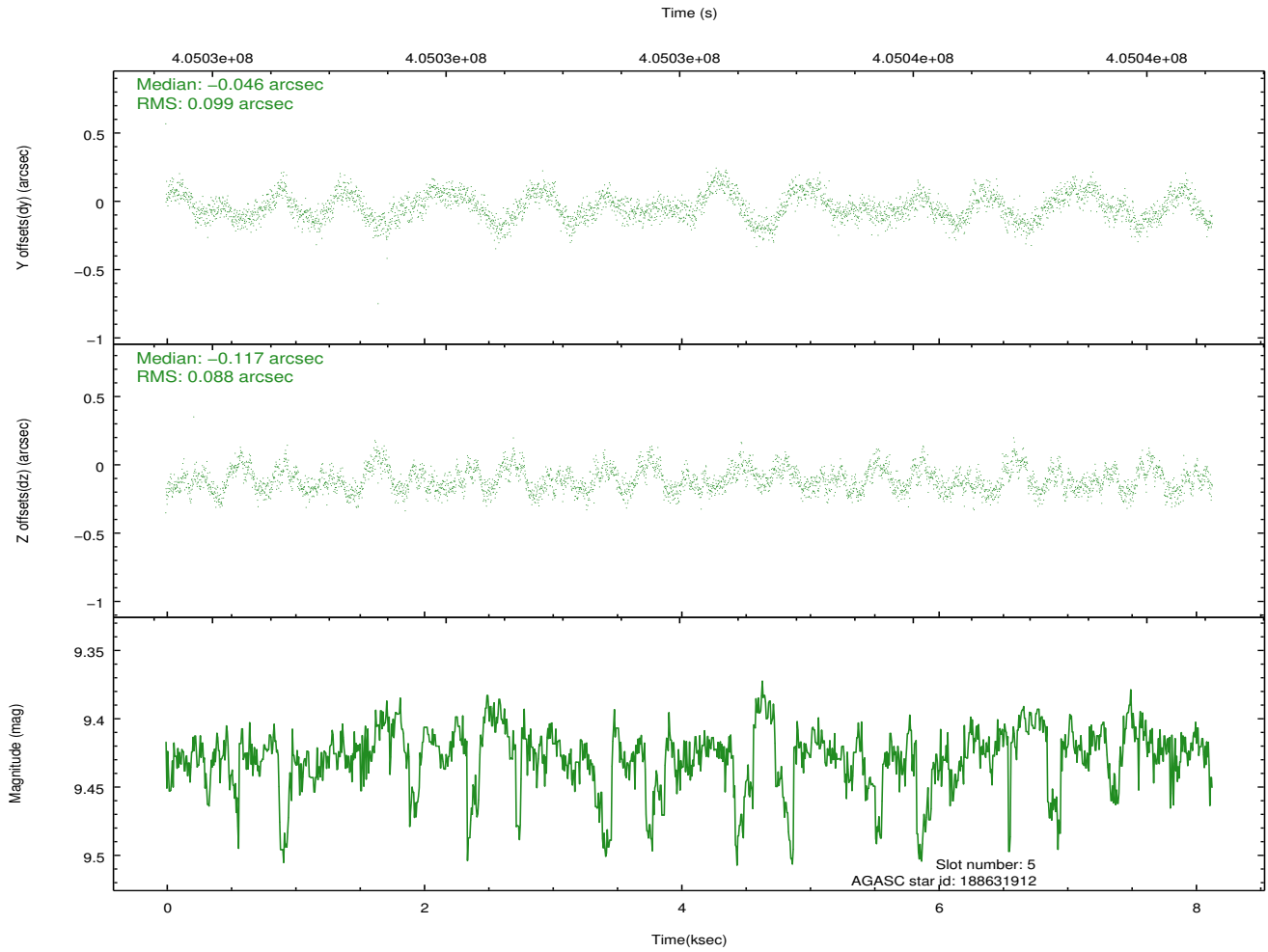
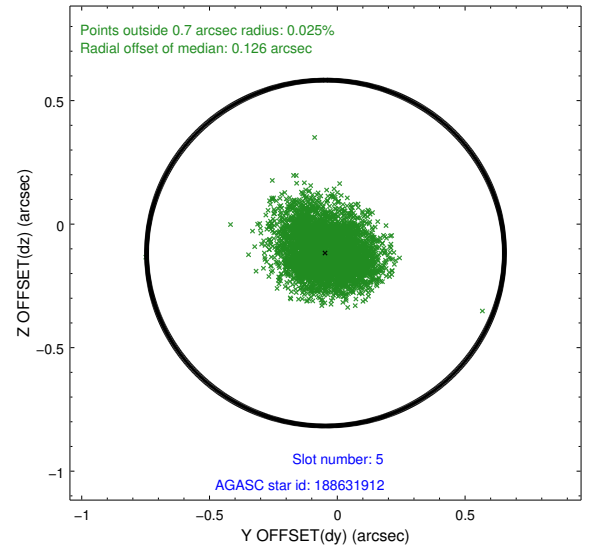
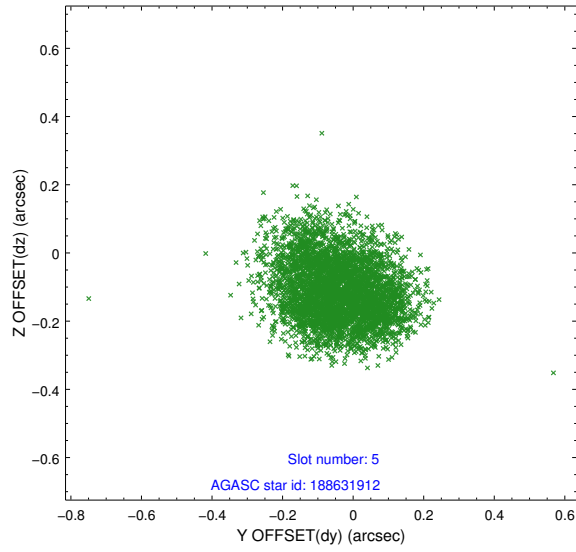
2.4.1 Slot 3



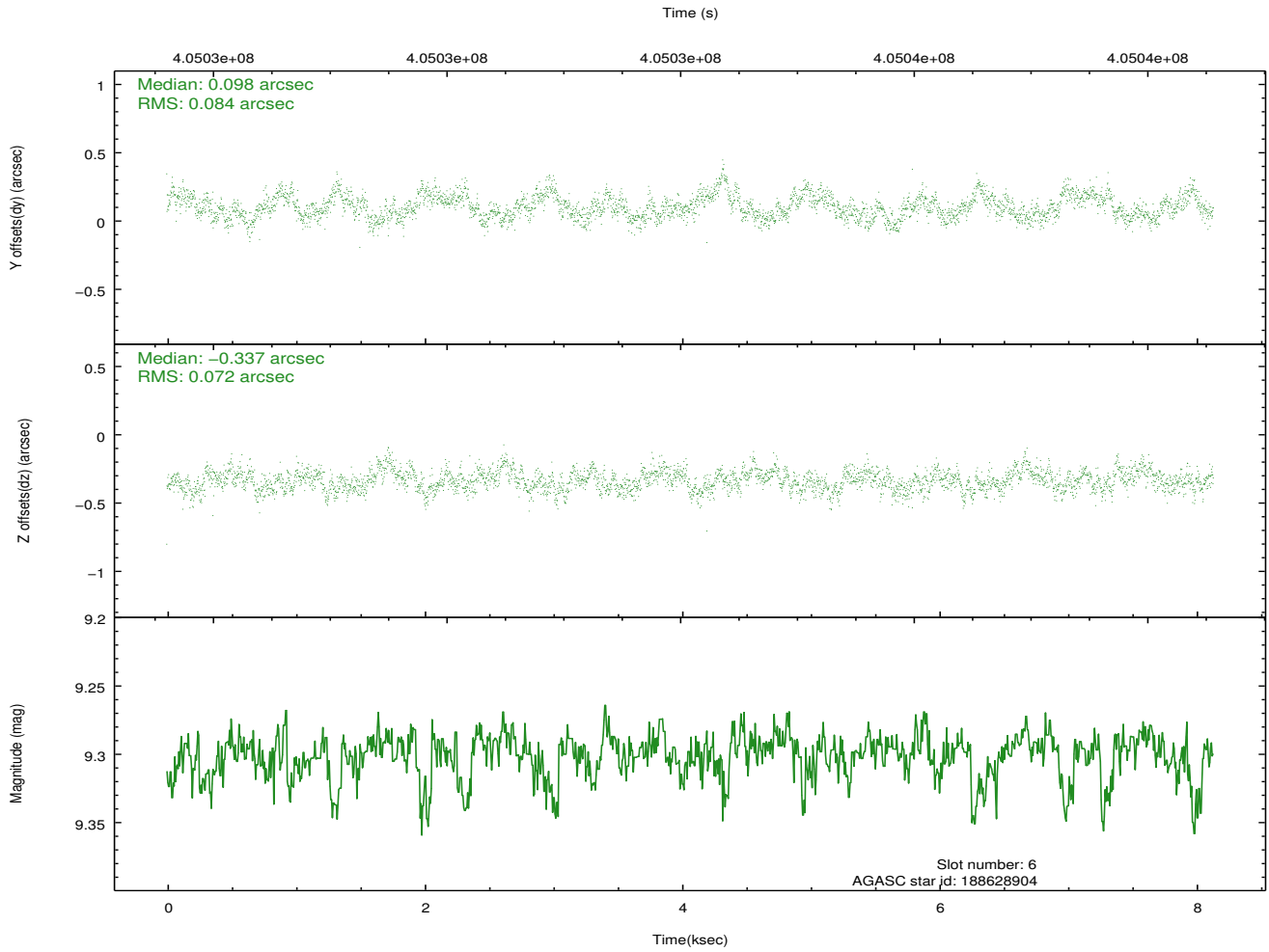
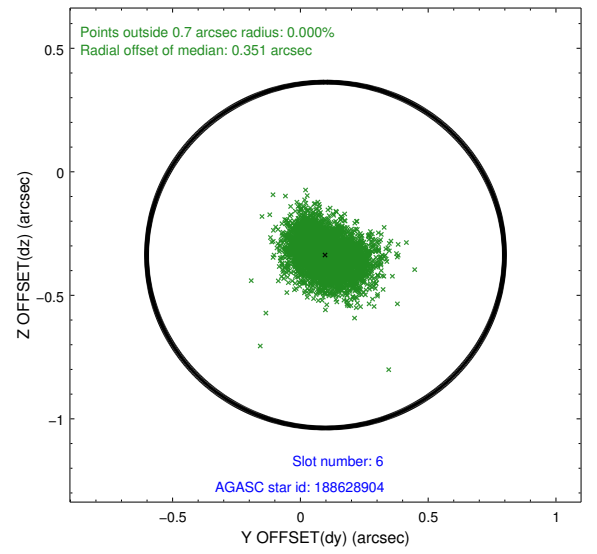
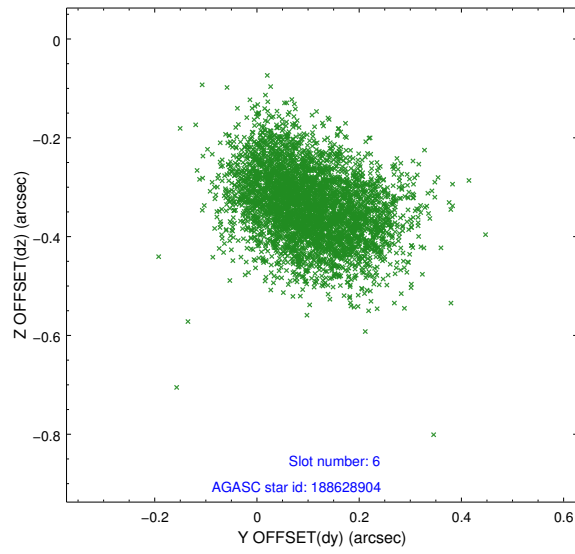
2.4.2 Slot 4



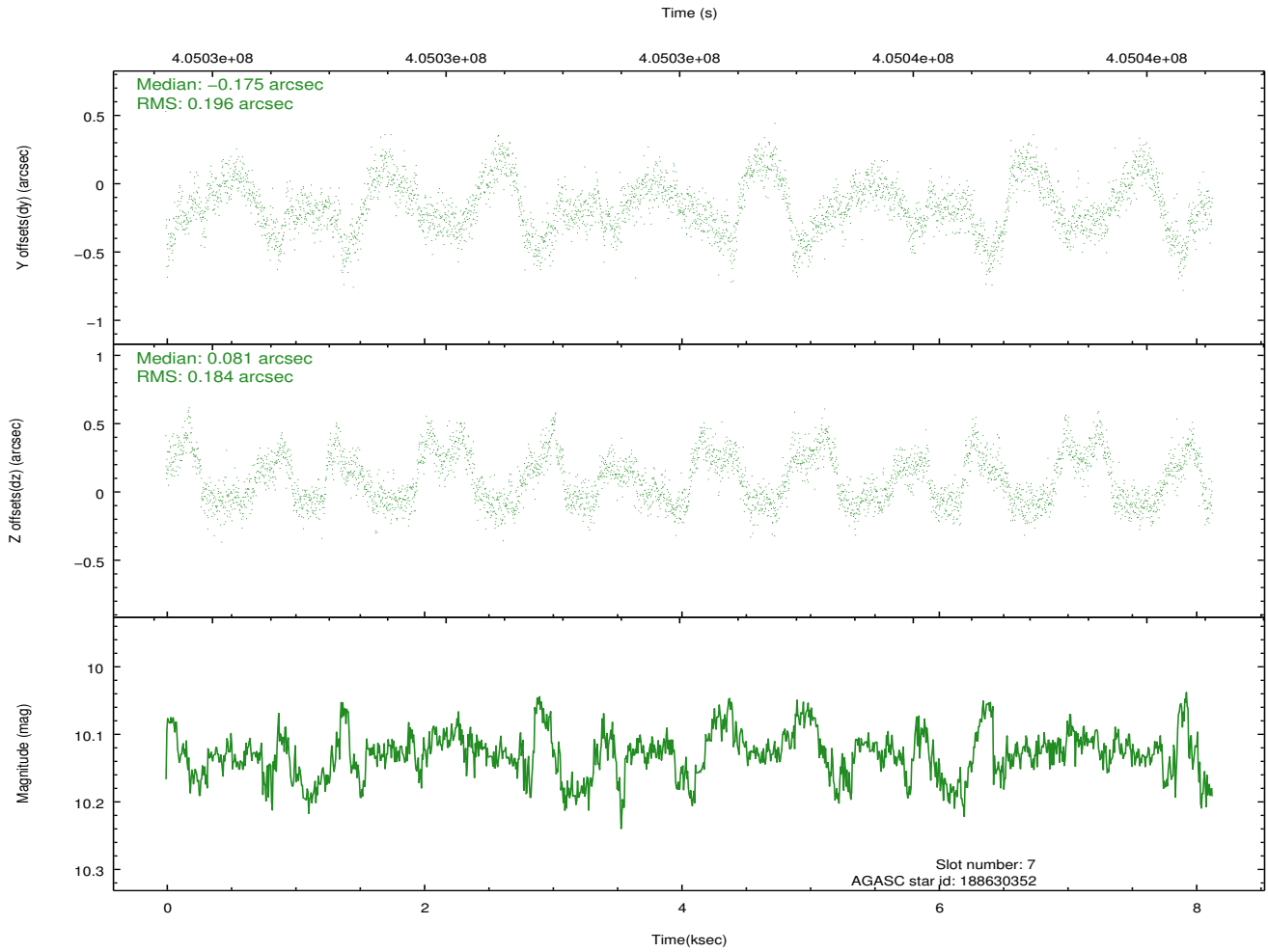
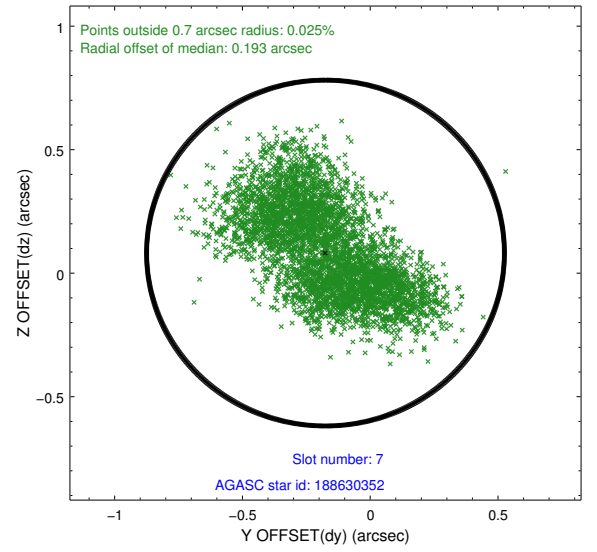
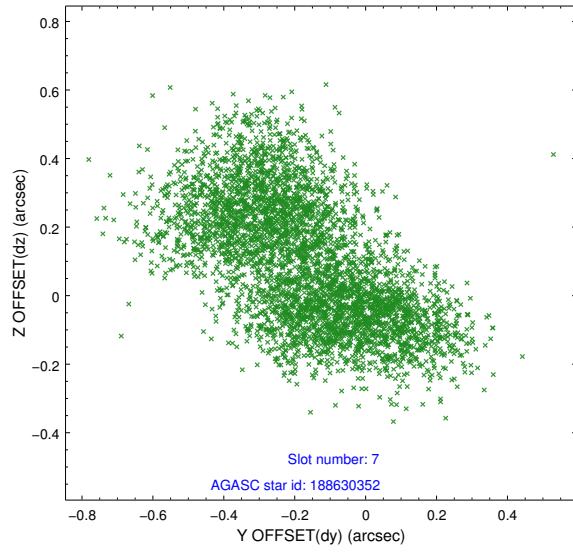
2.4.3 Slot 5



2.4.4 Slot 6

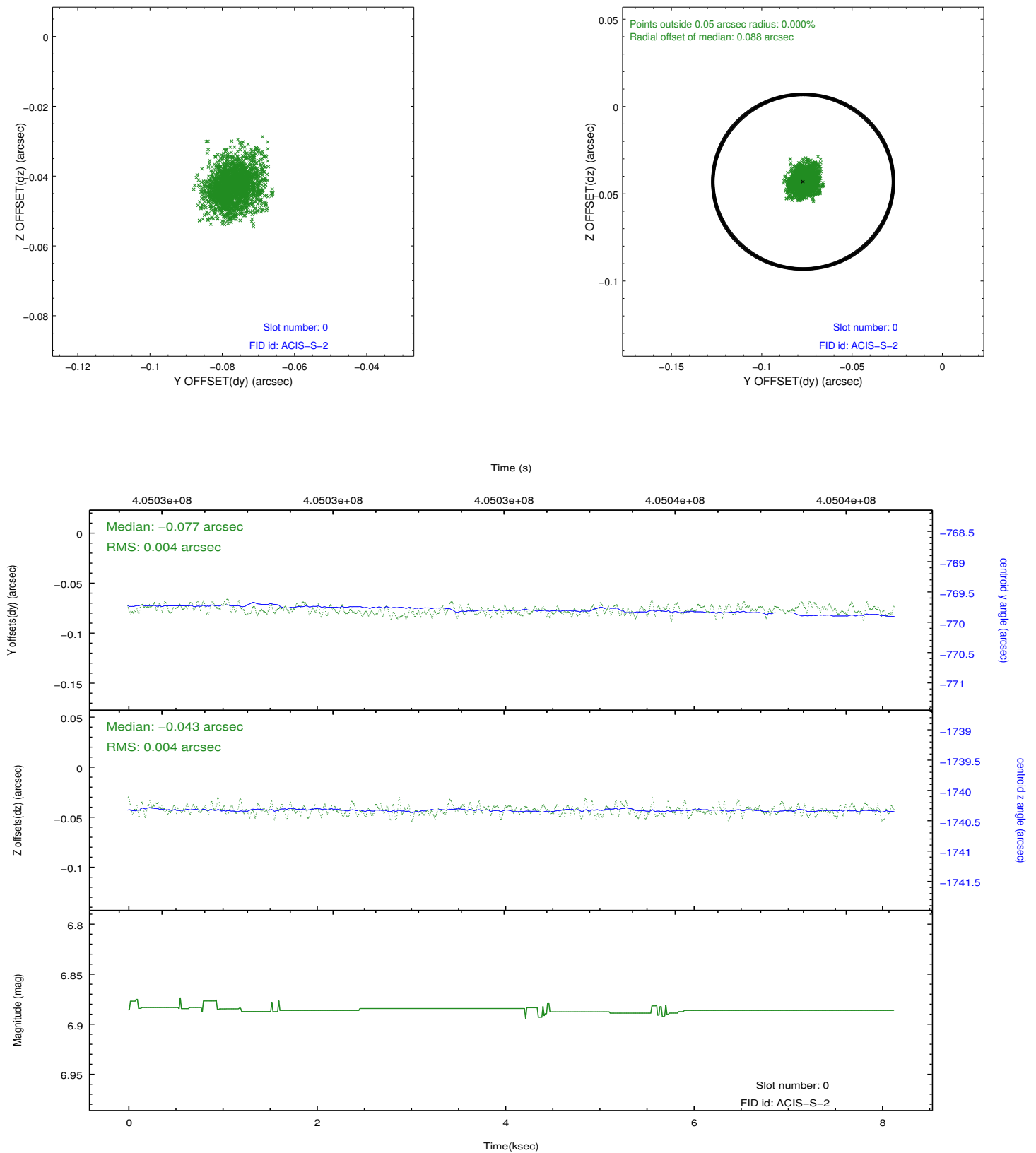


2.4.5 Slot 7

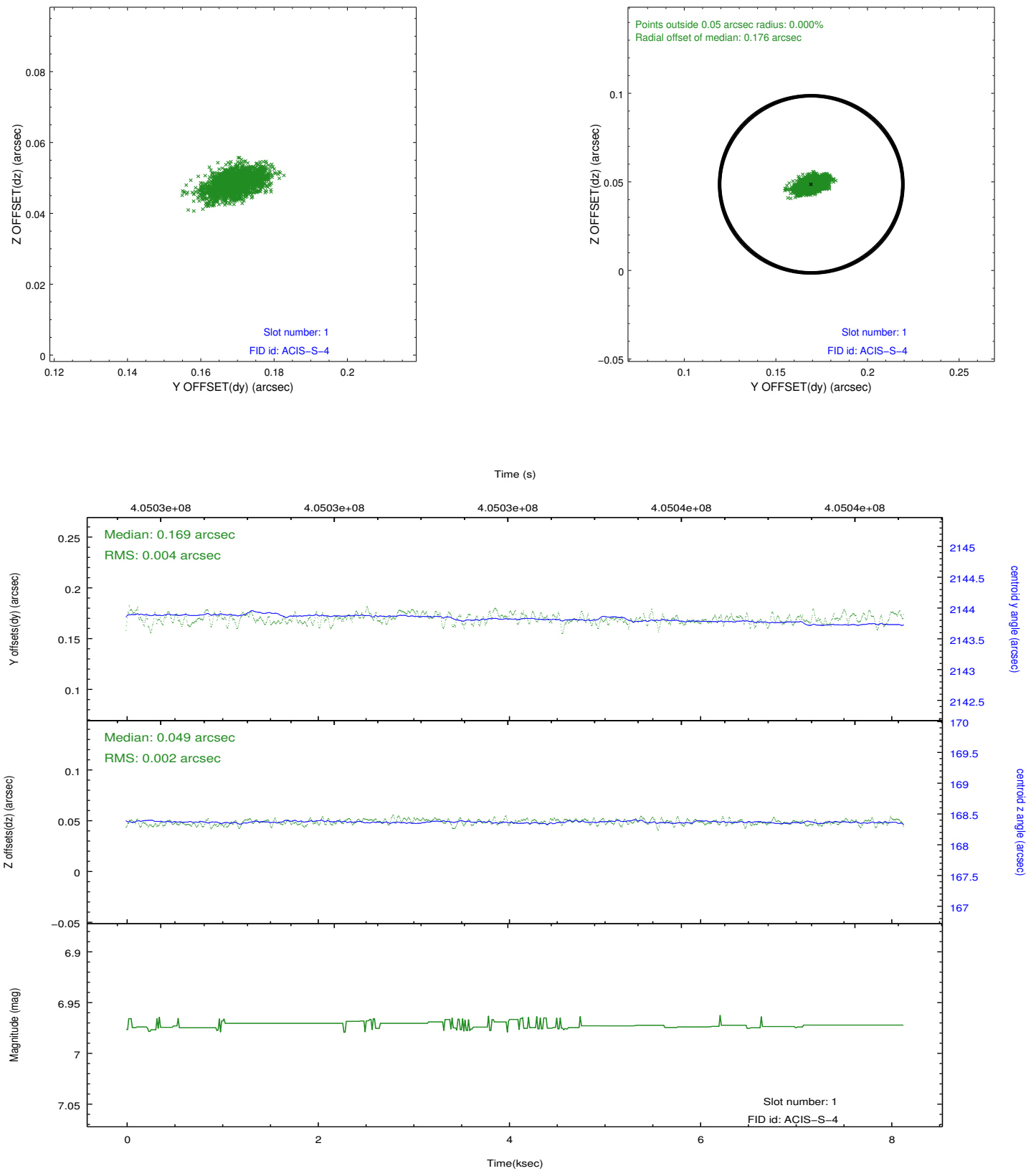


2.5 FID Slots

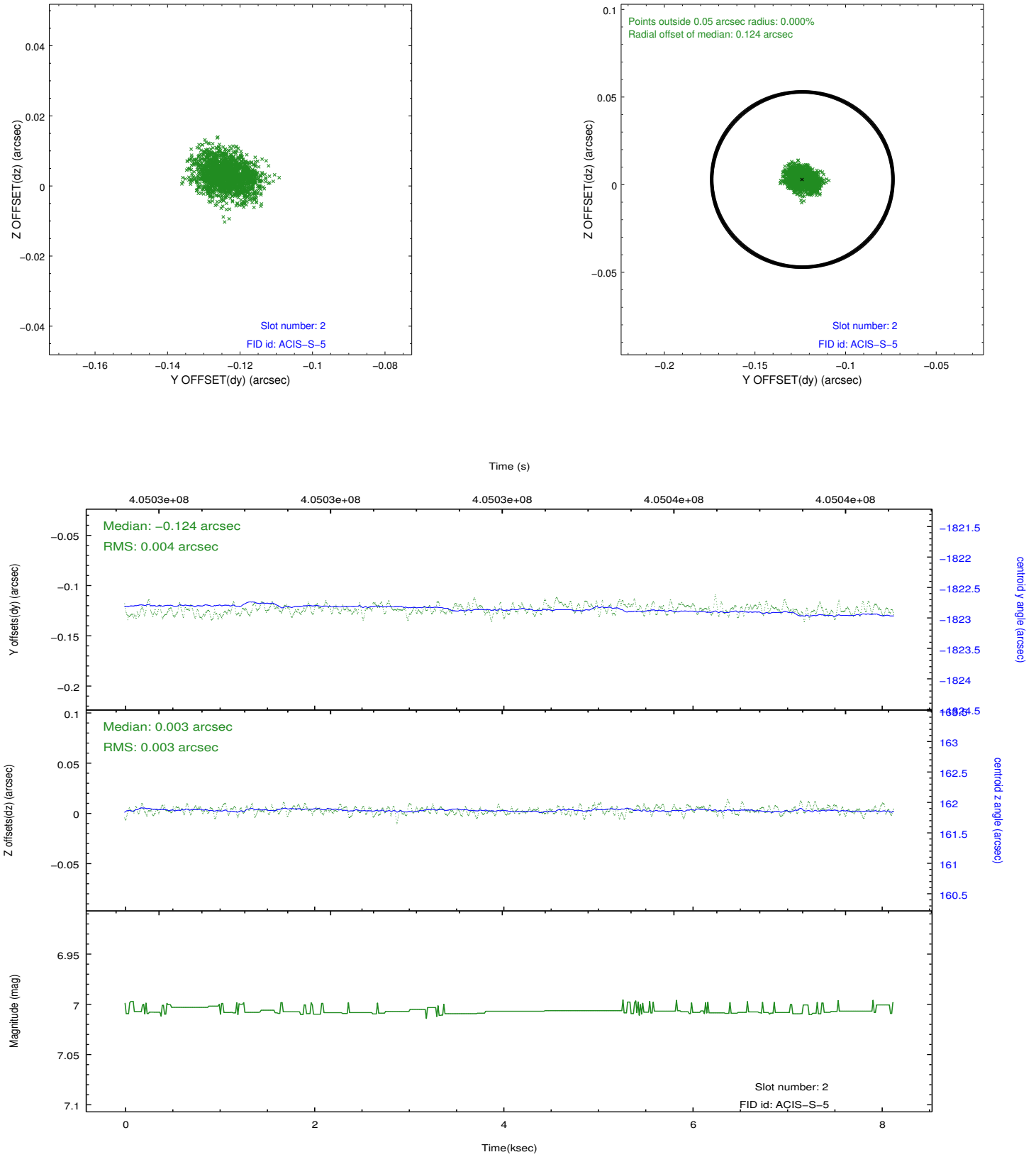
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0531650804281

A.2 Comments

Coordinate given by observer are for the radio source NVSS
J112443+191929, not 3C258. The aim point is at the position of NVSS
J112443+191929. 1