

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9303 - L2 Version 2
Chandra X-Ray Center

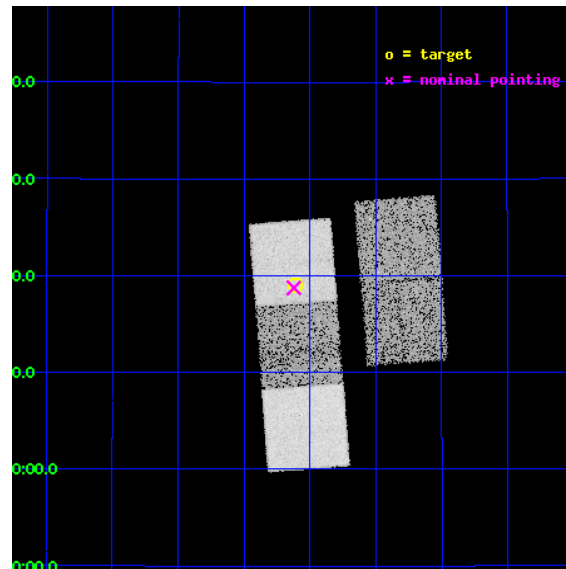
L2 Processing Date : May 9 2012

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

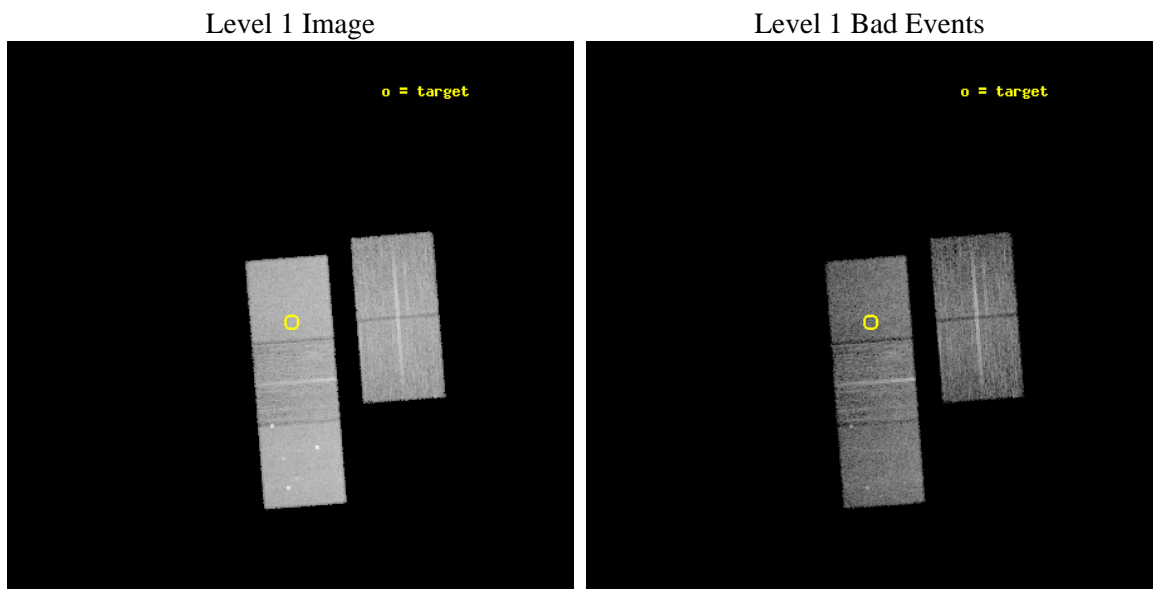
seq_num	701743	Sequence number
obs_id	9303	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C165	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.777917	Observer's specified target RA [deg]
dec_targ	23.31675	Observer's specified target Dec [deg]
ra_nom	100.78041604943	Nominal RA [deg]
dec_nom	23.312461864127	Nominal Dec [deg]
roll_nom	265.5577686814	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7771.7000597715	Sum of GTIs [s]
livetime	7670.1570770483	Livetime [s]
ontime2	7771.7000597715	Sum of GTIs [s]
ontime3	7771.7000597715	Sum of GTIs [s]
ontime5	7771.7000597715	Sum of GTIs [s]
ontime6	7768.5590994954	Sum of GTIs [s]
ontime7	7771.7000597715	Sum of GTIs [s]
l2events	116902	Number of level 2 events



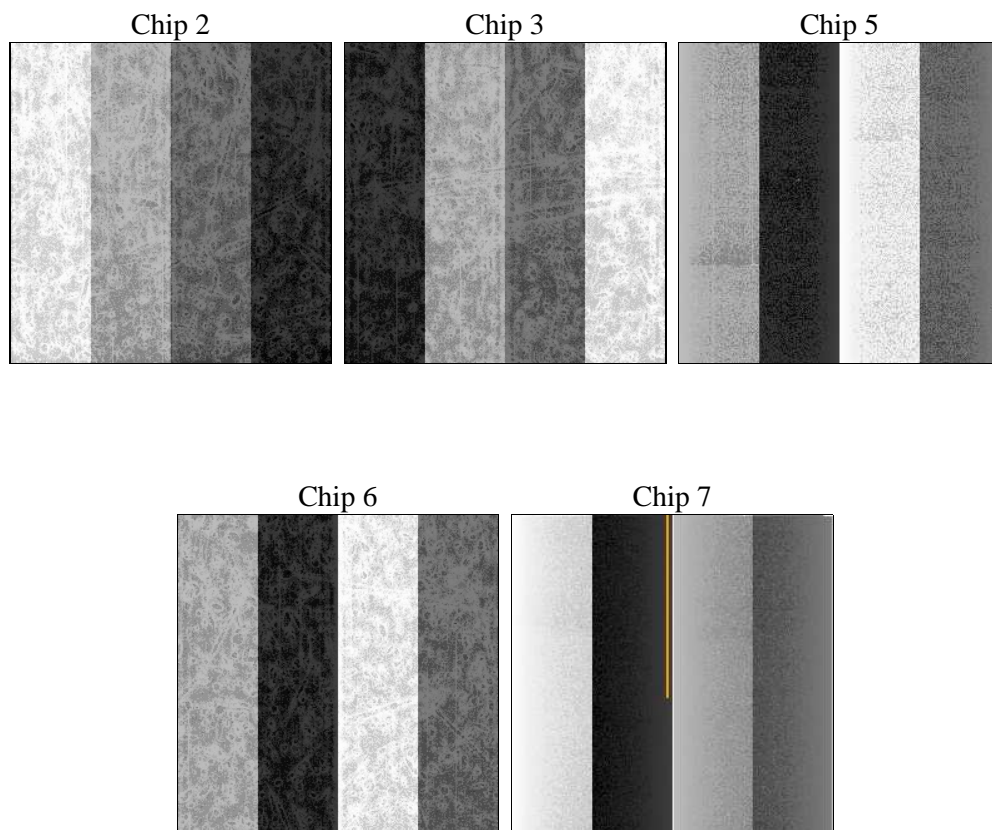
2 OBI

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	8.4.4	Processing system revision	ontime	7771.7000597715	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7771.7000597715	Sum of GTIs [s]
date	2012-05-09T02:39:35	Date and time of file creation	ontime3	7771.7000597715	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7771.7000597715	Sum of GTIs [s]
			ontime6	7768.5590994954	Sum of GTIs [s]
			ontime7	7771.7000597715	Sum of GTIs [s]
			l1events	446864	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	74588	72394	119687	76320	103875
rejected events	65786	63226	64138	66984	60426
rejected %	88%	87%	53%	87%	58%

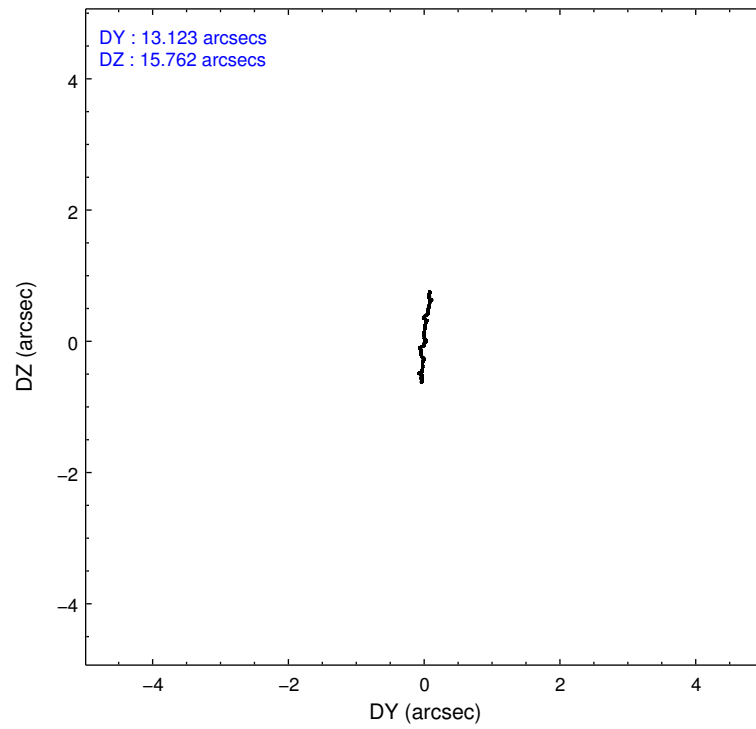
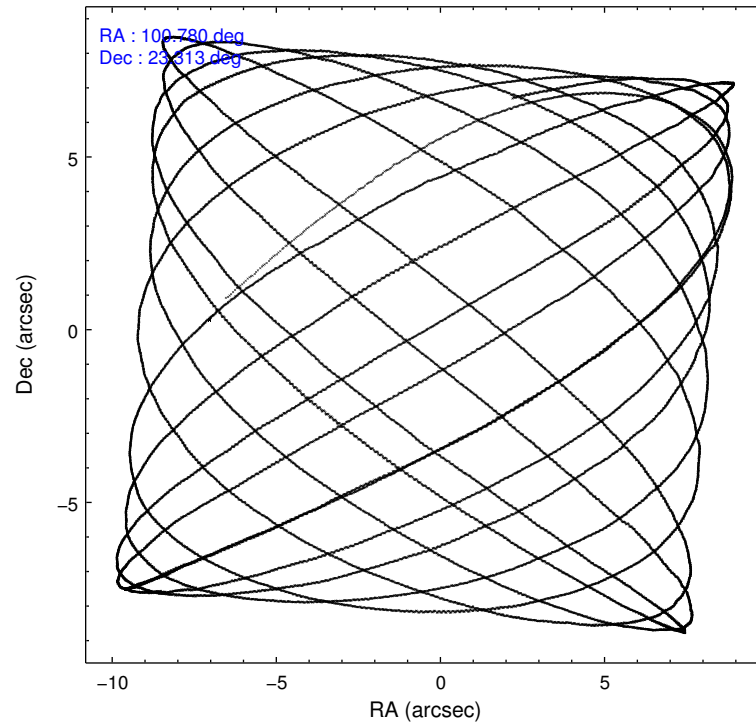
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	3768	3949	6075	3593	3672
	5%	5%	5%	4%	3%
grade 1 events	46	56	234	30	105
	0%	0%	0%	0%	0%
grade 2 events	1850	1868	16941	2061	8708
	2%	2%	14%	2%	8%
grade 3 events	855	871	2029	861	3697
	1%	1%	1%	1%	3%
grade 4 events	818	860	2026	867	3593
	1%	1%	1%	1%	3%
grade 5 events	2988	3448	8508	3573	9686
	4%	4%	7%	4%	9%
grade 6 events	1515	1626	28516	1960	23814
	2%	2%	23%	2%	22%
grade 7 events	62748	59716	55358	63375	50600
	84%	82%	46%	83%	48%

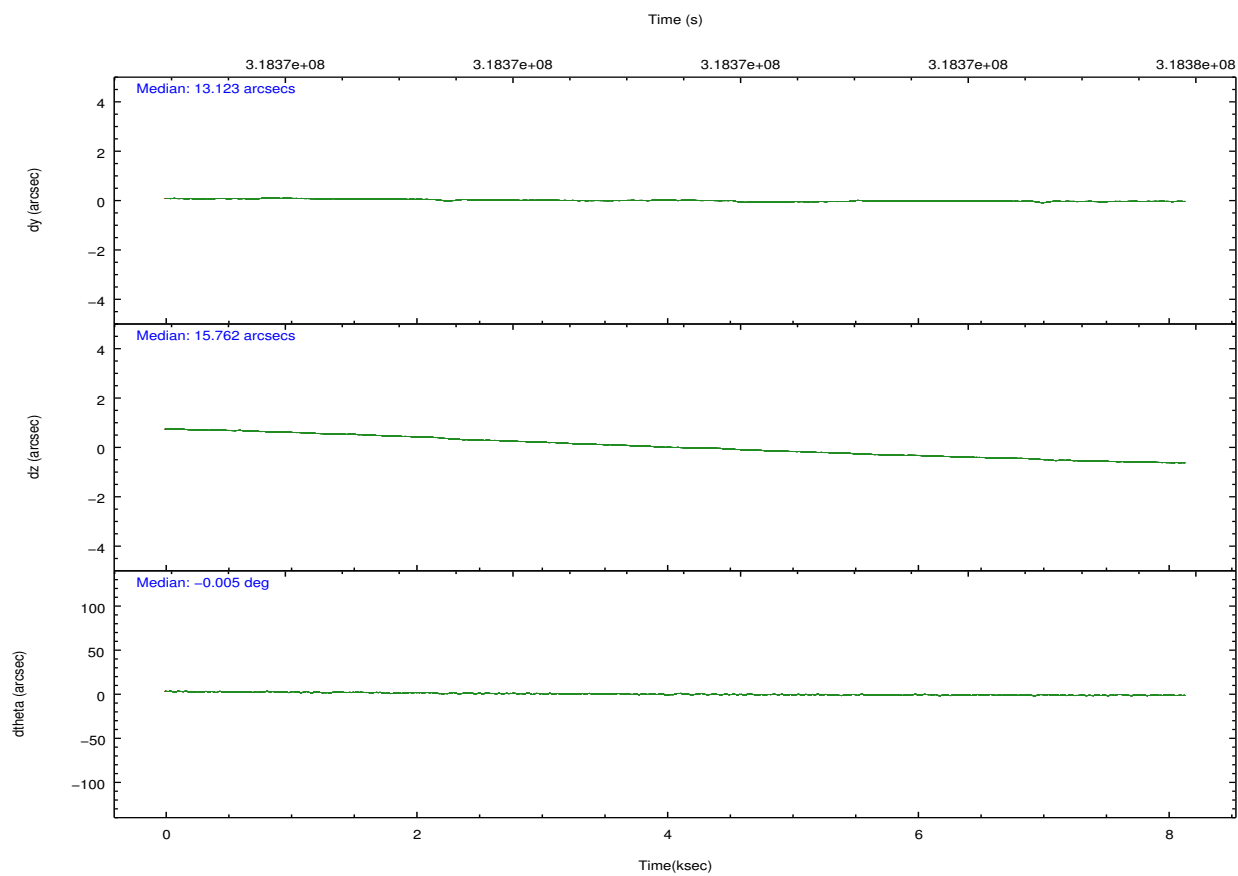
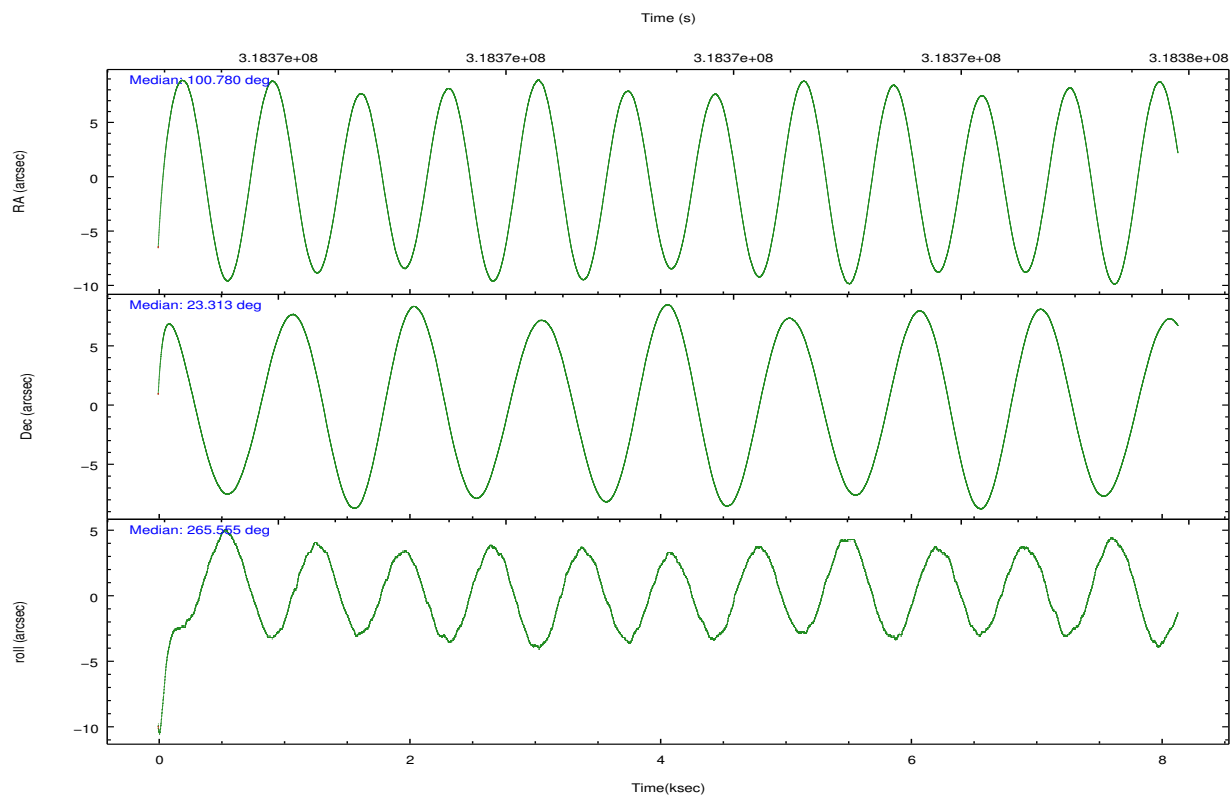
2.2 Compared Parameters

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	100.767121	100.780416049426
[deg] Pointing Dec	23.336937	23.31246186412731
[deg] Pointing Roll	265.406415	265.557768681403
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	318367486.184000	318366286.6777
Observation start date	2008-02-02T19:23:41	2008-02-02T19:04:46
[s] Observation end time (MET)	318375486.184000	318376533.0907
Observation end date	2008-02-02T21:37:01	2008-02-02T21:55:33
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	O1	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
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



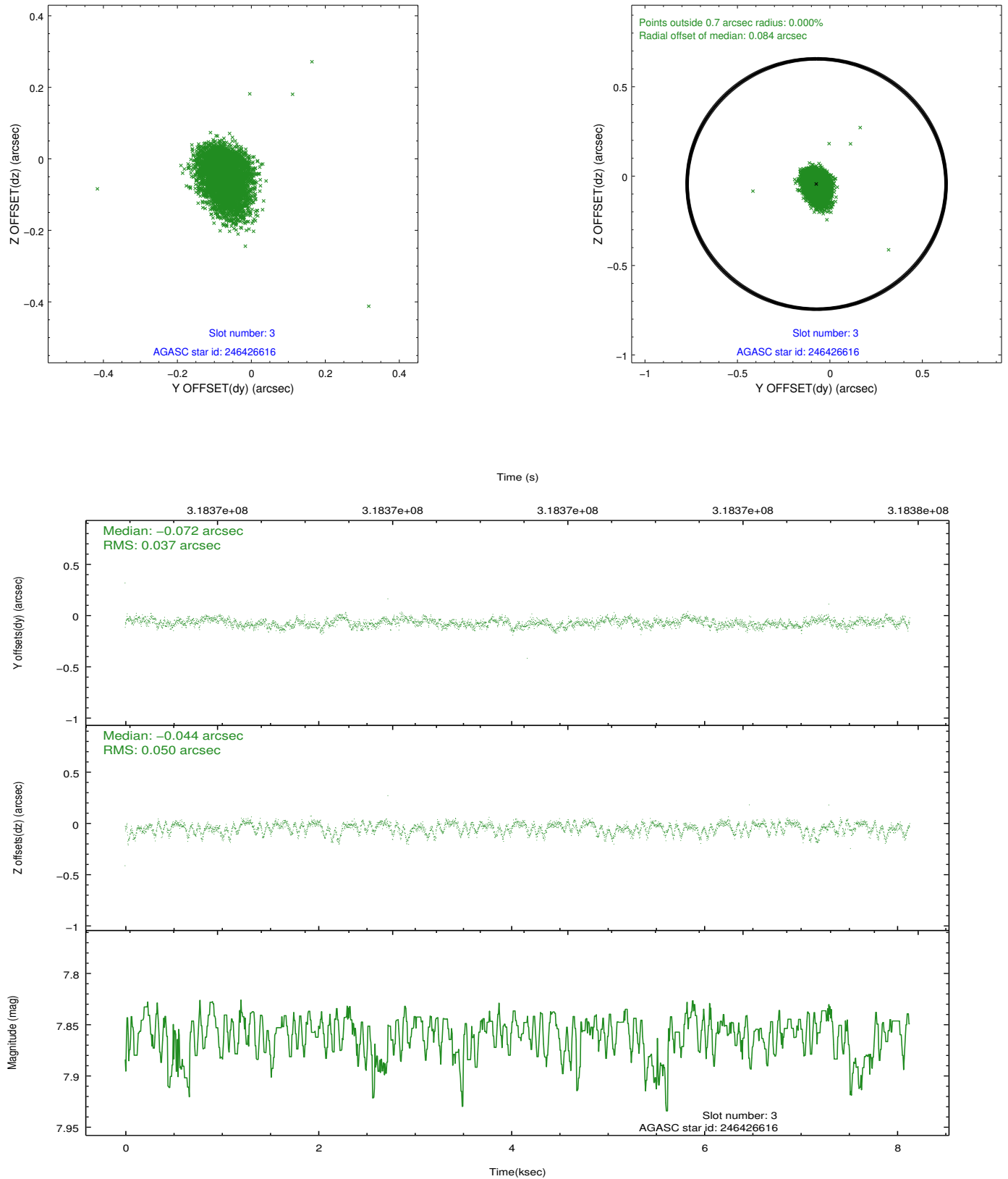


Slot Statistics

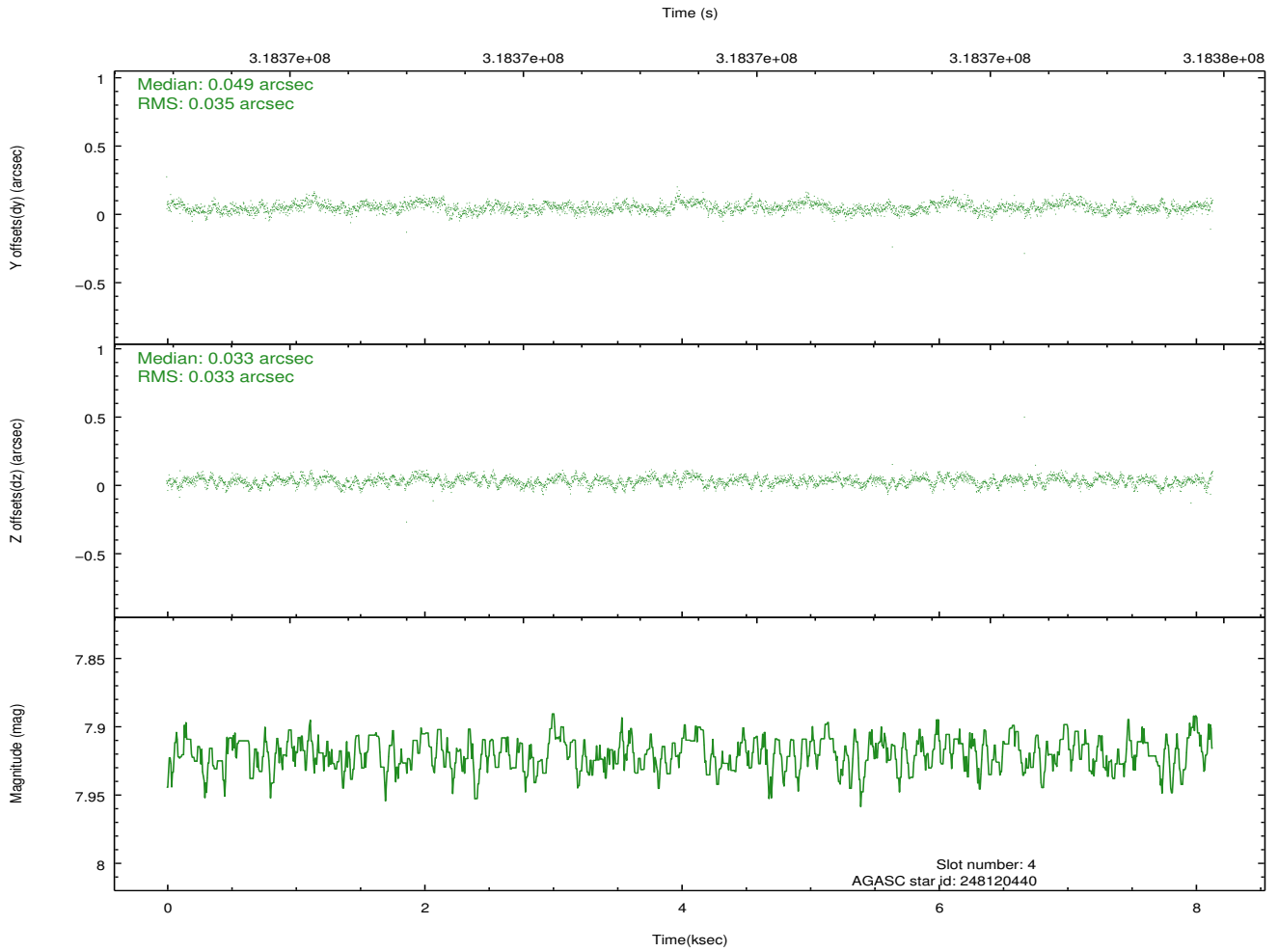
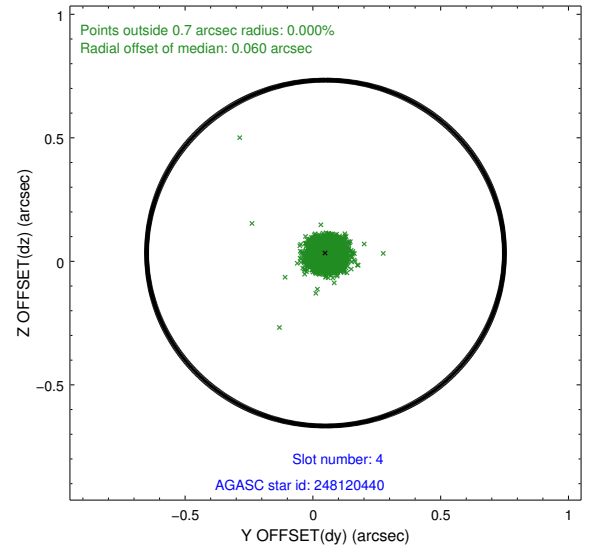
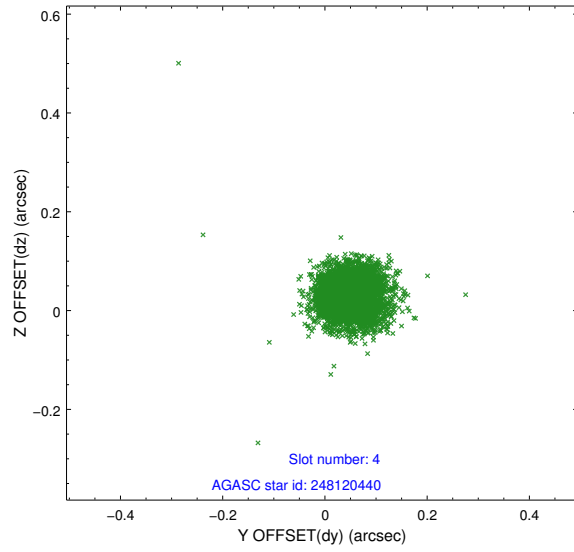
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1985	-0.043	-0.023	0.010	0.016	0.000000	0.000000	-766.07	-1737.17
1	FID	ACIS-S-4	7.19	1985	0.159	0.027	0.006	0.010	0.000000	0.000000	2147.07	170.68
2	FID	ACIS-S-5	7.22	1984	-0.148	0.004	0.010	0.017	0.000000	0.000000	-1818.16	165.07
3	GUIDE	246426616	7.86	3969	-0.072	-0.044	0.065	0.105	100.315467	23.957714	-2108.59	-1658.79
4	GUIDE	248120440	7.92	3968	0.049	0.033	0.049	0.081	100.965783	22.739456	2090.51	829.36
5	GUIDE	248133528	6.86	3969	-0.103	0.126	0.061	0.099	101.347064	23.646234	-1266.34	1817.05
6	GUIDE	246425704	8.70	3899	0.072	-0.037	0.086	0.139	100.111156	23.645309	-938.13	-2245.20
7	GUIDE	248119320	7.15	3968	0.053	-0.080	0.067	0.114	101.234782	22.837378	1665.93	1689.84

2.4 Star Slots

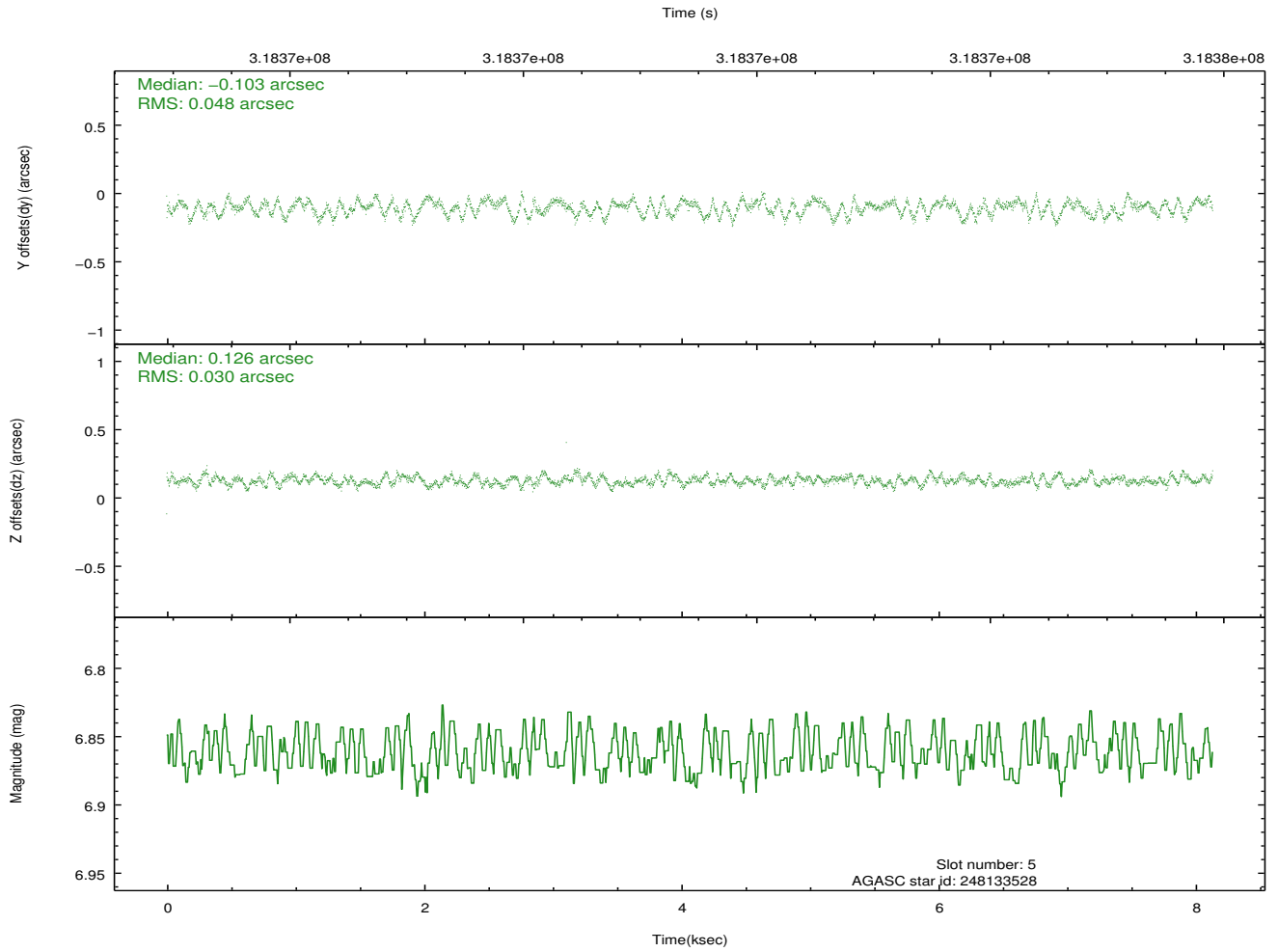
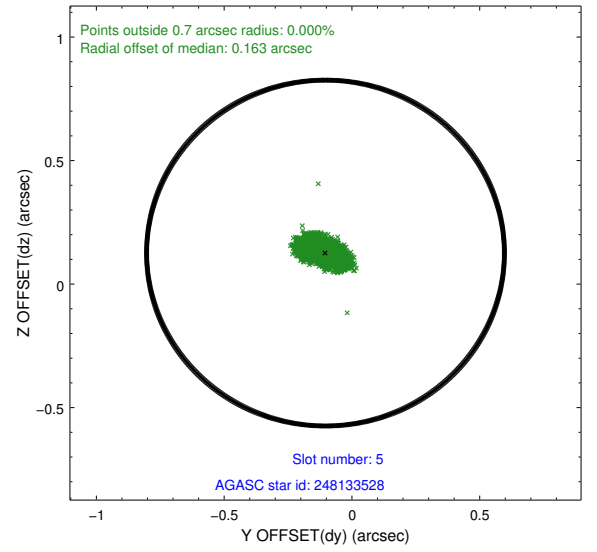
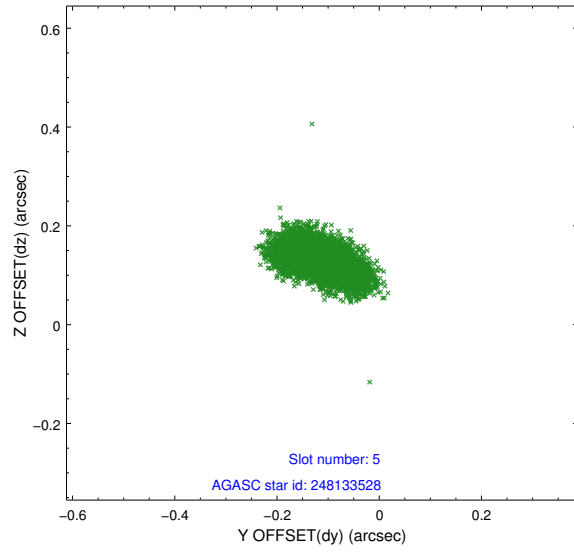
2.4.1 Slot 3



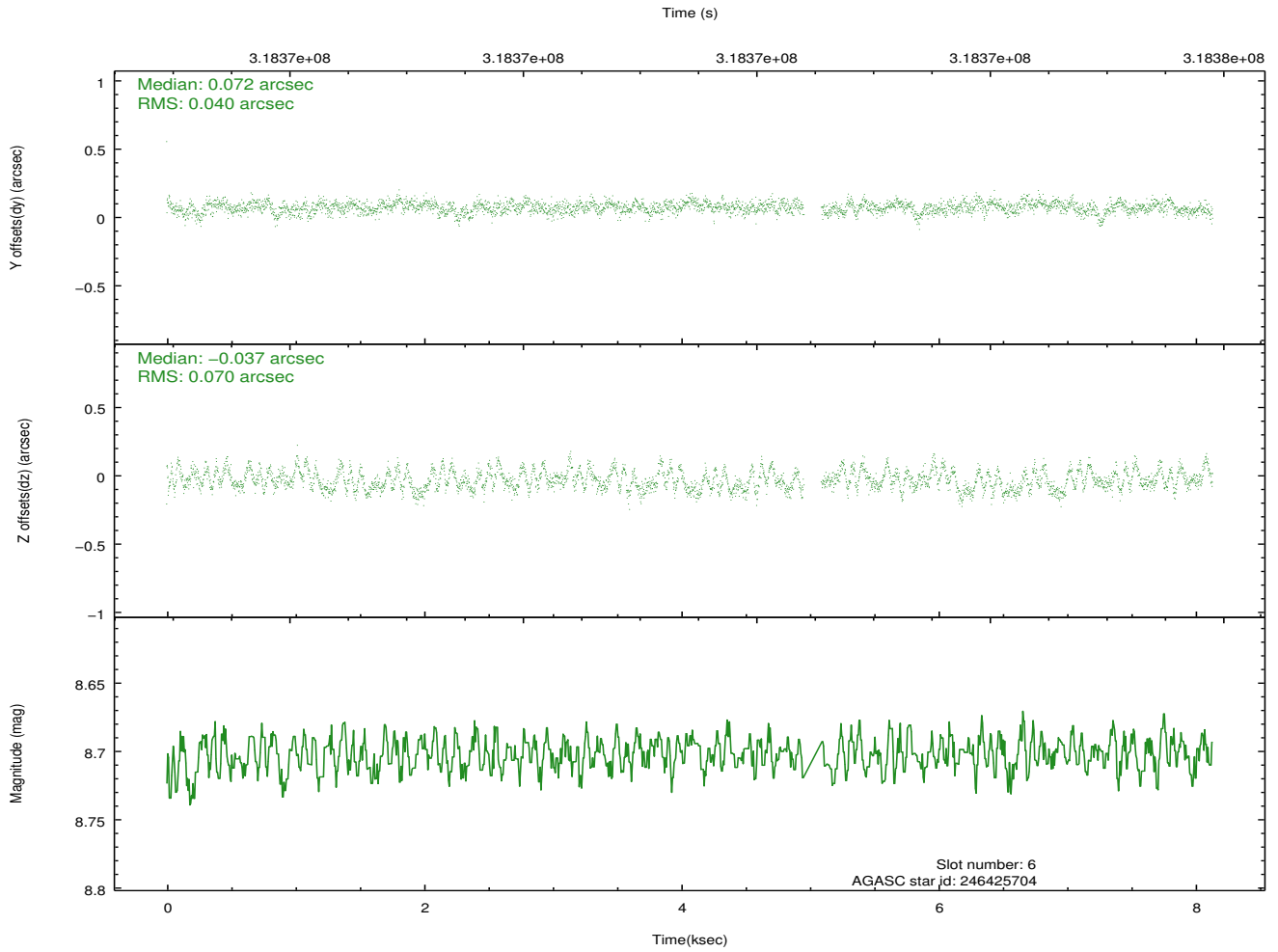
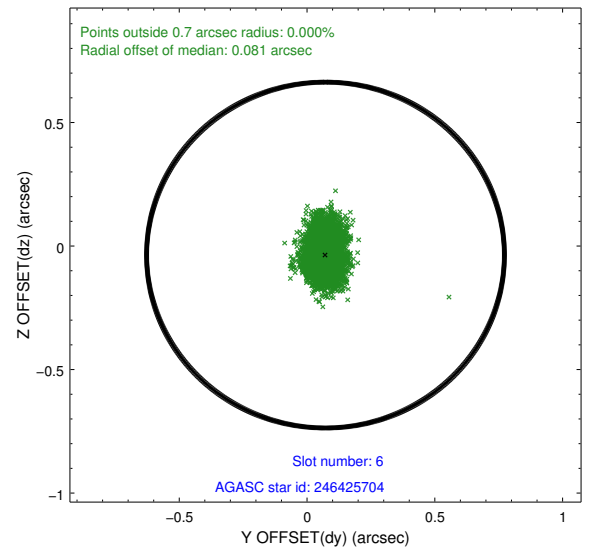
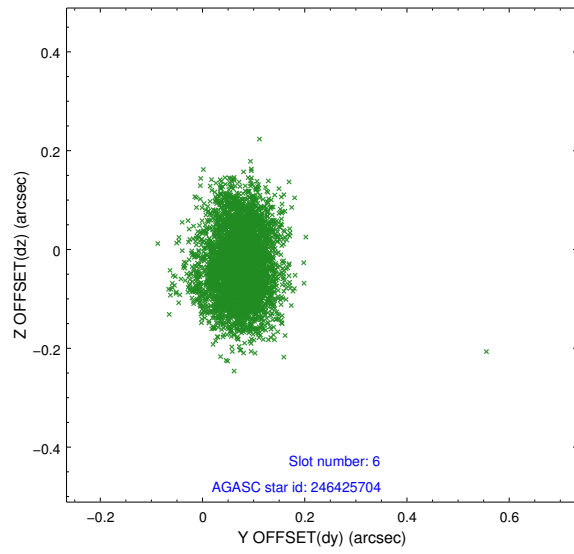
2.4.2 Slot 4



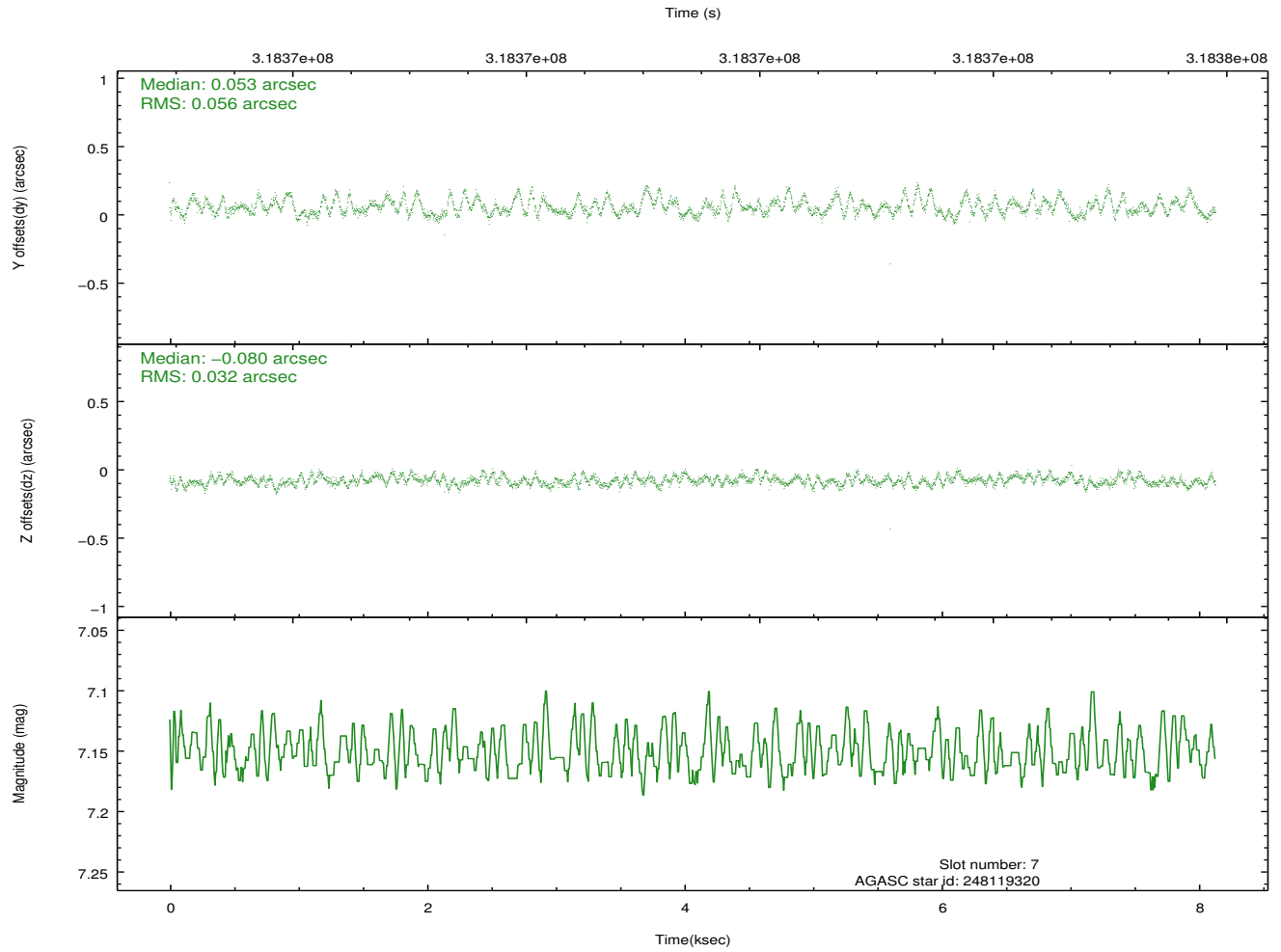
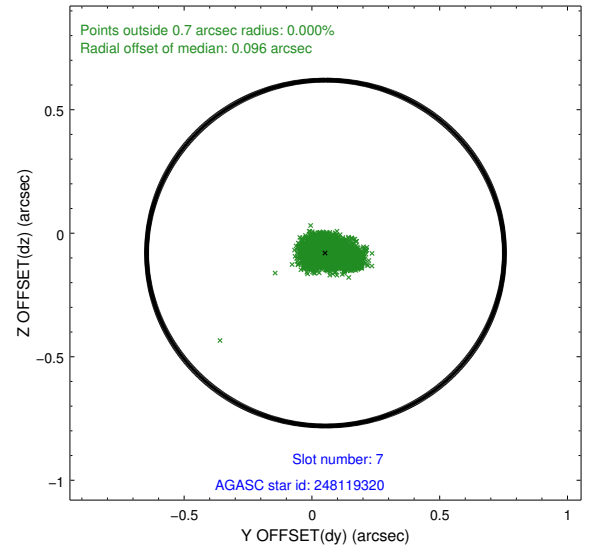
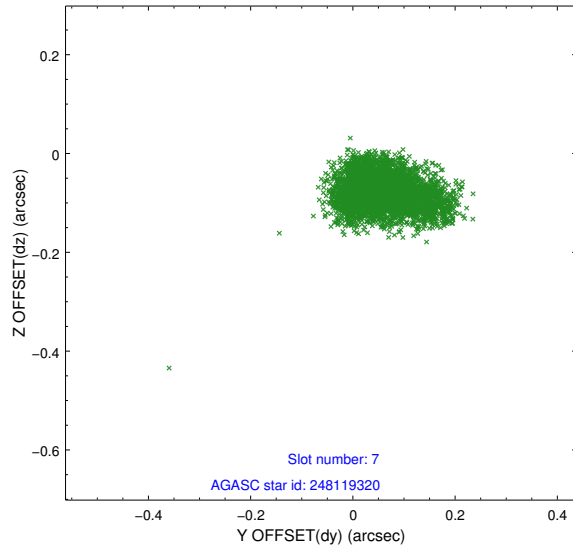
2.4.3 Slot 5



2.4.4 Slot 6

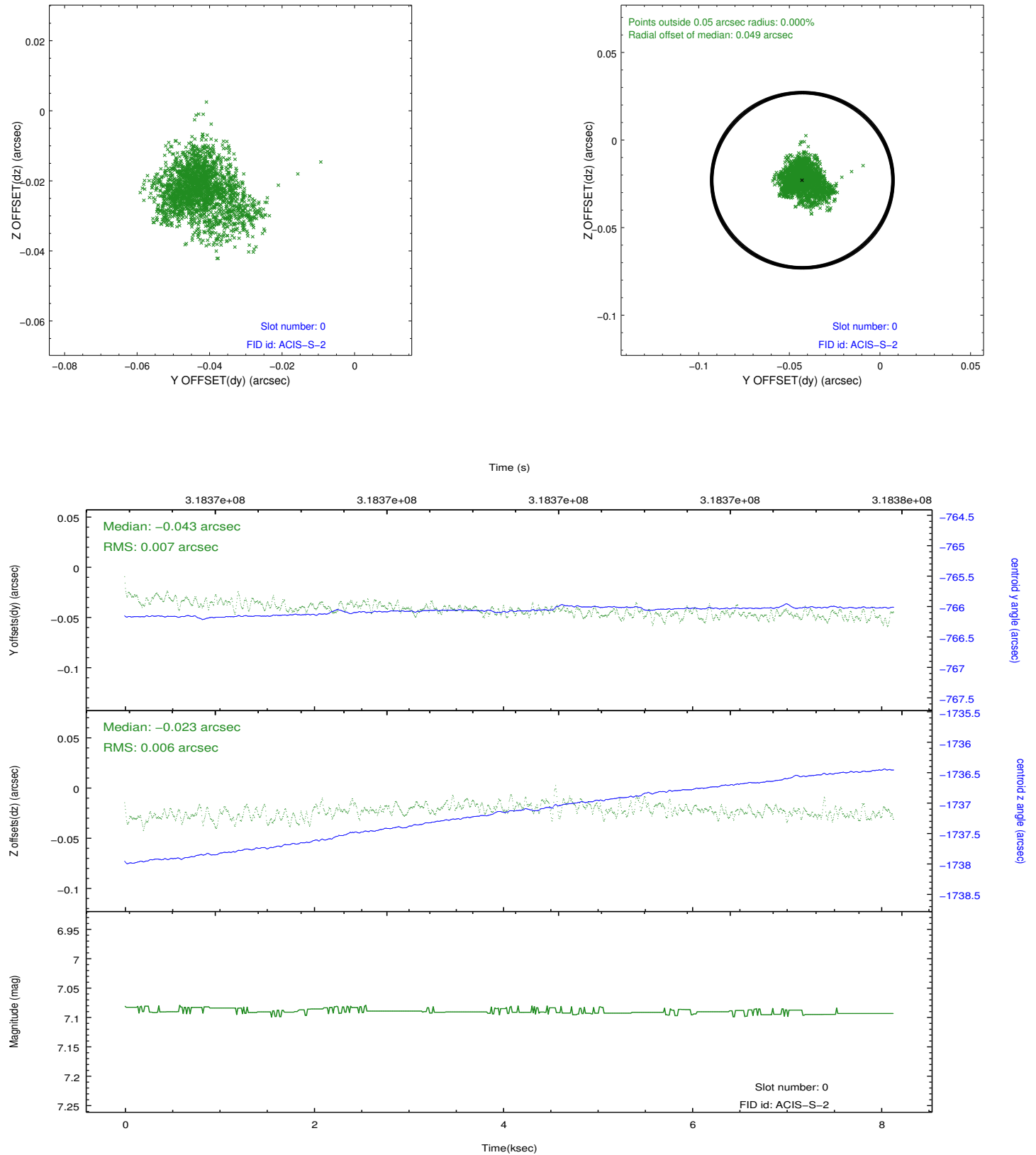


2.4.5 Slot 7

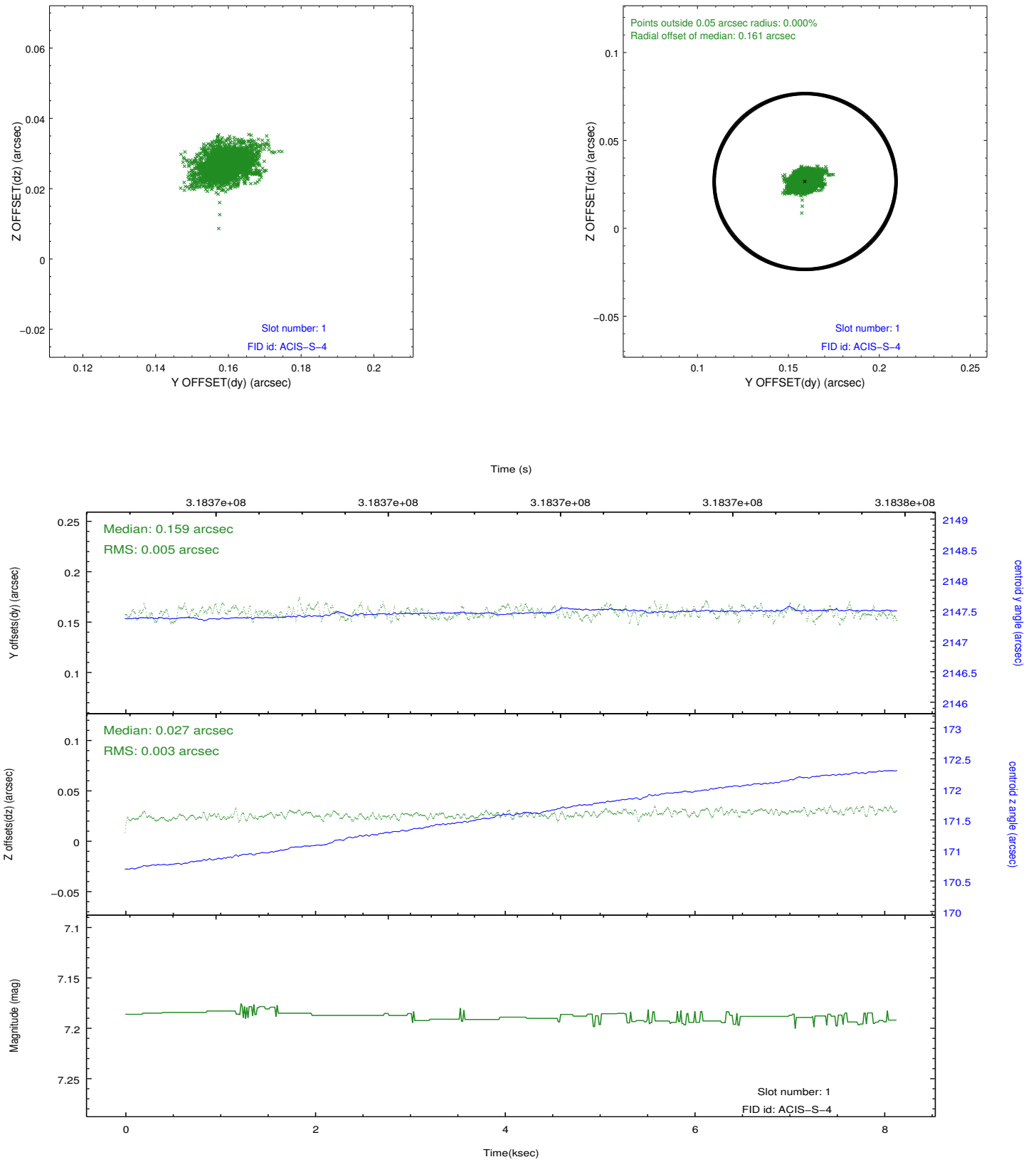


2.5 FID Slots

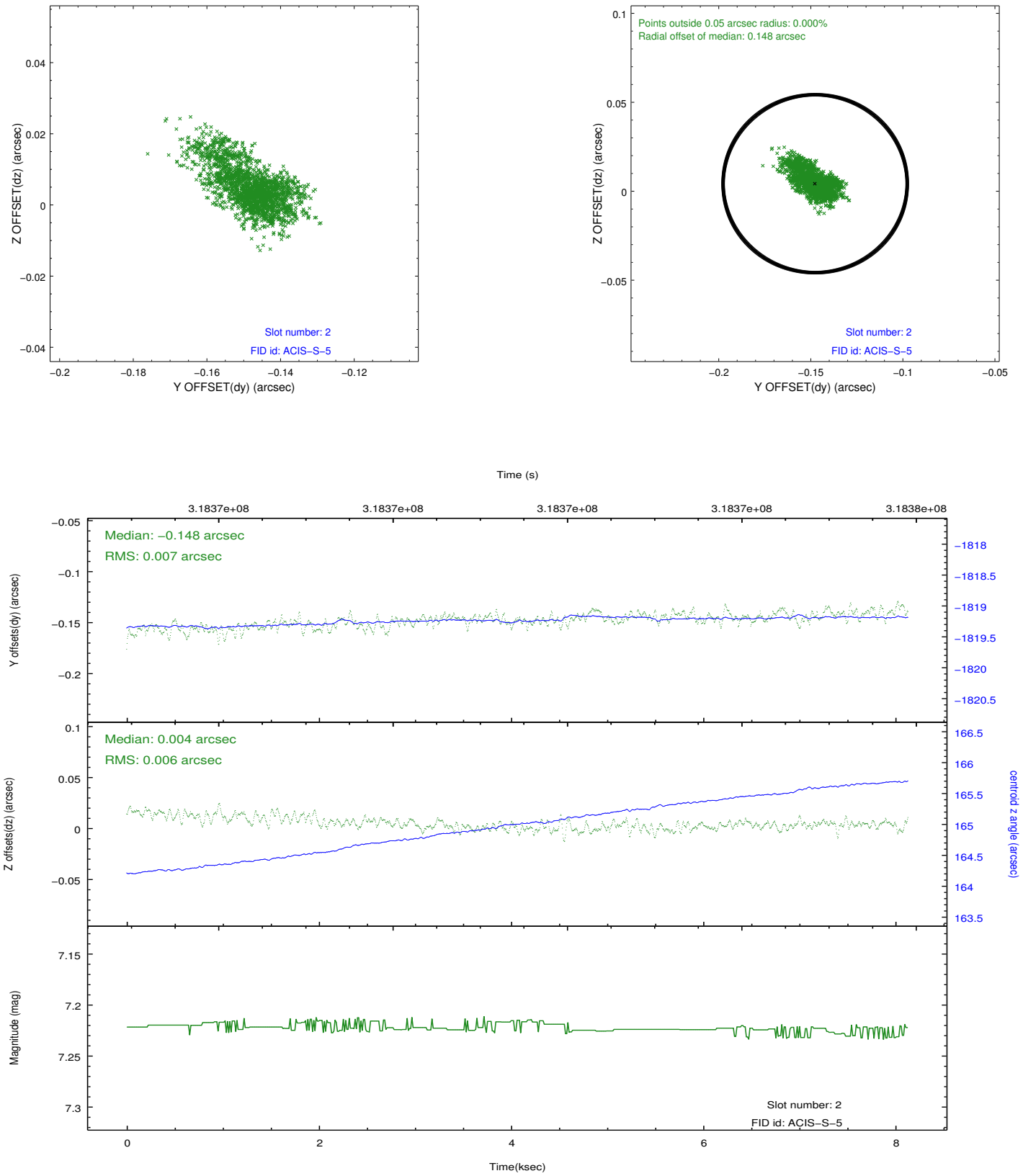
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.77170005

A.2 Comments