

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9792 - L2 Version 2
Chandra X-Ray Center

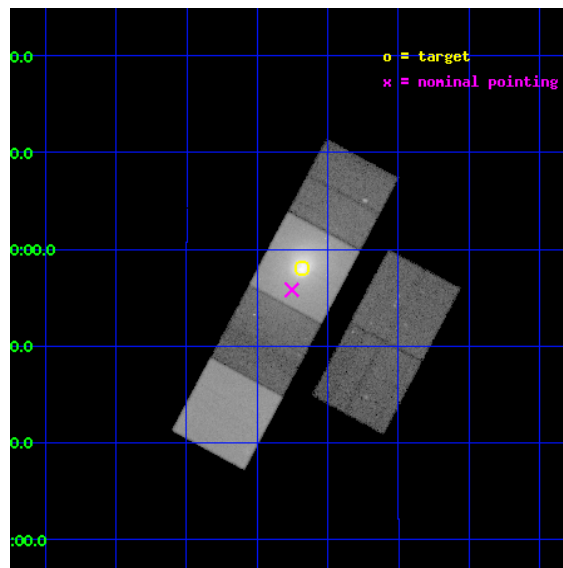
L2 Processing Date : May 7 2012

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

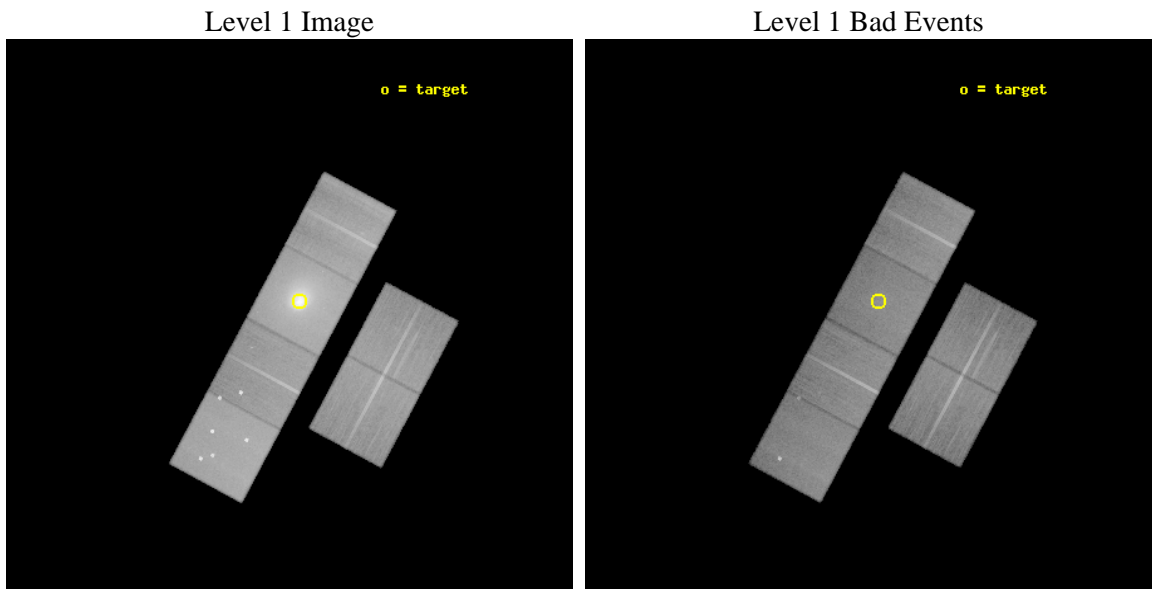
seq_num	800657	Sequence number
obs_id	9792	Observation id
title	Cluster and AGN interaction in 2A 0335+096	Proposal title
observer	Dr Jeremy Sanders	Principal investigator
object	2A 0335+096	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.67	Observer's specified target RA [deg]
dec_targ	9.968222	Observer's specified target Dec [deg]
ra_nom	54.688556088288	Nominal RA [deg]
dec_nom	9.9304347480061	Nominal Dec [deg]
roll_nom	298.15341557191	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34175.999872744	Sum of GTIs [s]
livetime	33743.242784039	Livetime [s]
ontime2	34172.758862436	Sum of GTIs [s]
ontime3	34175.999872744	Sum of GTIs [s]
ontime5	34175.999872744	Sum of GTIs [s]
ontime6	34175.999872744	Sum of GTIs [s]
ontime7	34175.999872744	Sum of GTIs [s]
ontime8	34175.999872744	Sum of GTIs [s]
l2events	925160	Number of level 2 events



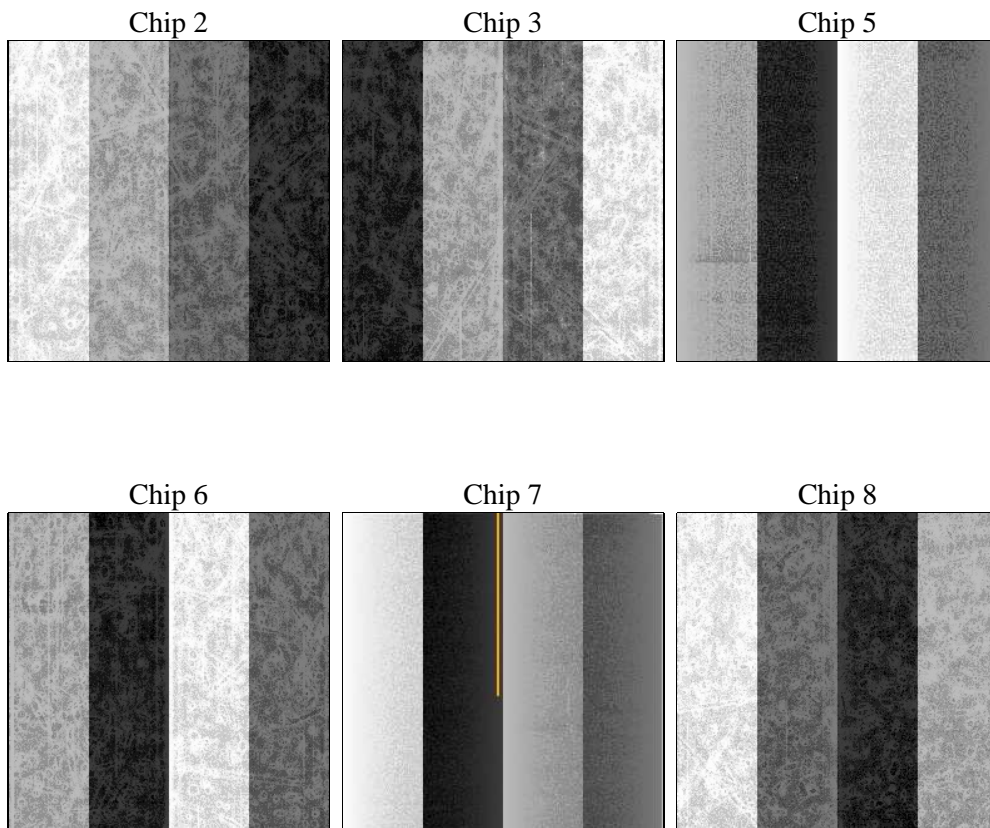
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	34175.999872744	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	34172.758862436	Sum of GTIs [s]
date	2012-05-07T05:04:35	Date and time of file creation	ontime3	34175.999872744	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	34175.999872744	Sum of GTIs [s]
			ontime6	34175.999872744	Sum of GTIs [s]
			ontime7	34175.999872744	Sum of GTIs [s]
			ontime8	34175.999872744	Sum of GTIs [s]
			l1events	2847529	Number of level 1 events

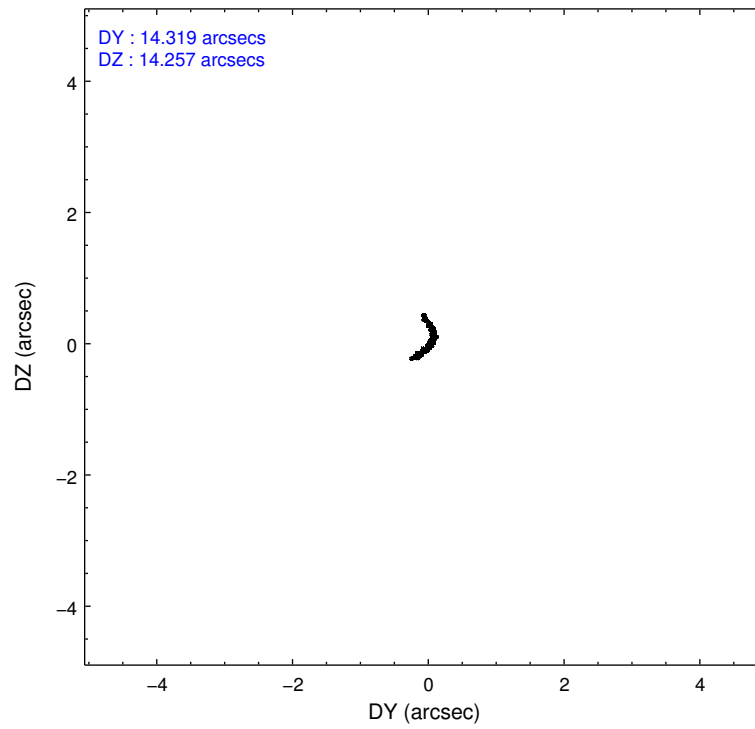
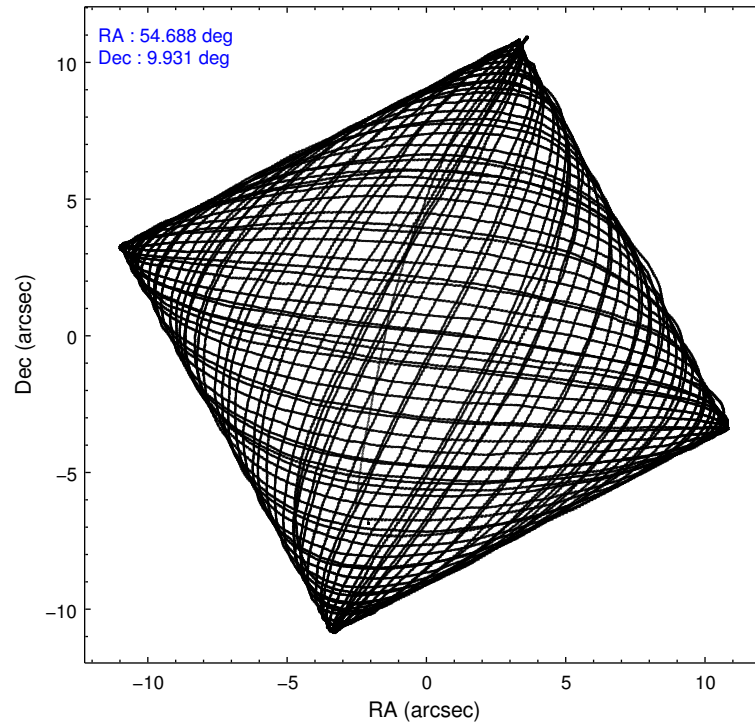
2.1.4 Events

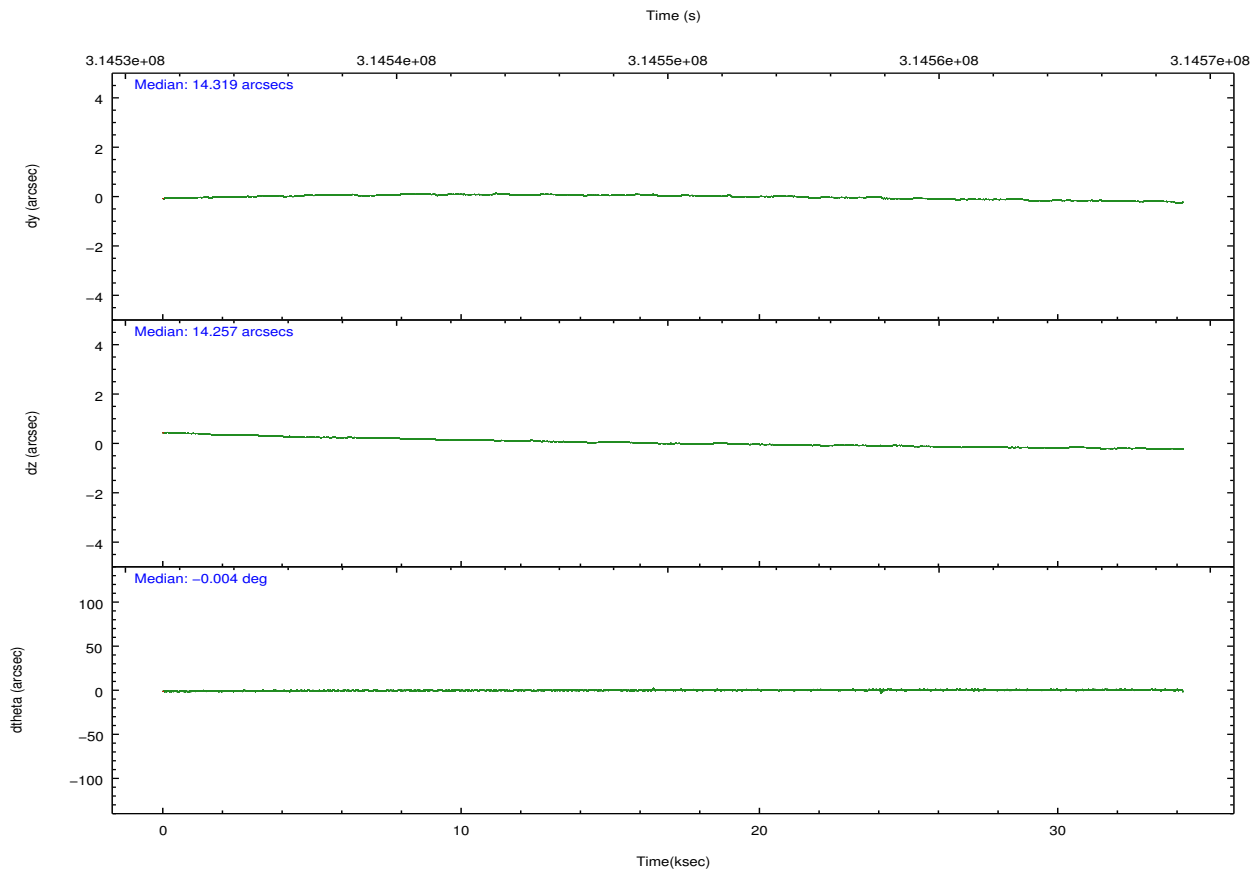
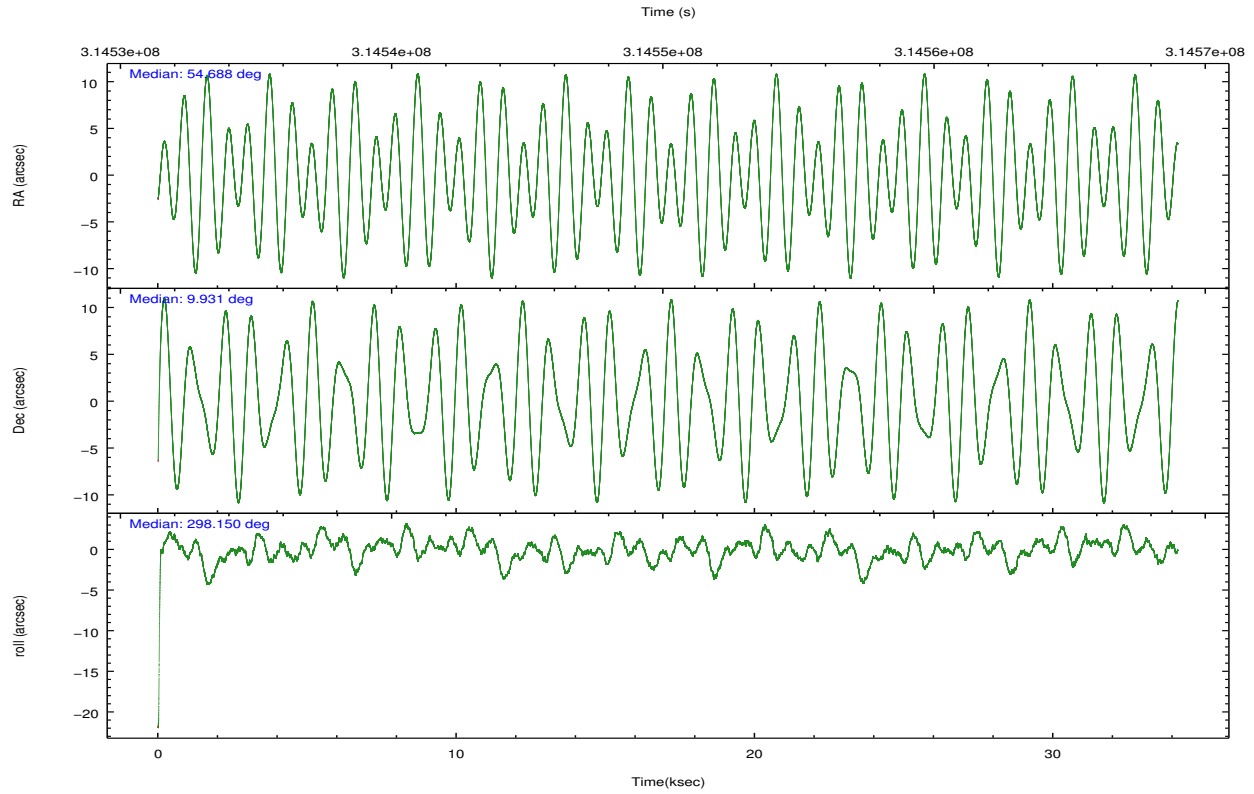
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	343702	329128	539248	361863	833181	440407	grade 0 events	17528	19790	37014	33151	124156	39273
rejected events	304761	287649	289359	303190	280912	335791		5%	6%	6%	9%	14%	8%
rejected %	88%	87%	53%	83%	33%	76%	grade 1 events	260	235	893	277	581	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	8603	8104	73736	10168	138410	23044
								2%	2%	13%	2%	16%	5%
							grade 3 events	3660	3849	9015	4103	58945	10224
								1%	1%	1%	1%	7%	2%
							grade 4 events	3728	3803	9744	4056	58306	9688
								1%	1%	1%	1%	6%	2%
							grade 5 events	13249	15237	36883	15957	45785	20795
								3%	4%	6%	4%	5%	4%
							grade 6 events	6600	7070	127377	8600	179665	25836
								1%	2%	23%	2%	21%	5%
							grade 7 events	290074	271040	244586	285551	227333	311189
								84%	82%	45%	78%	27%	70%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	54.664769	54.68855608828802	CCD I2 on	O2	Y
[deg] Pointing Dec	9.944527	9.930434748006114	CCD I3 on	O3	Y
[deg] Pointing Roll	298.000899	298.1534155719081	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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	O1	Y
[s] Observation start time (MET)	314533285.184000	314531709.21695	CCD S5 on	N	N
Observation start date	2007-12-20T10:20:20	2007-12-20T09:55:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	314567285.184000	314568564.63123	On-chip summing requested	N	N
Observation end date	2007-12-20T19:47:00	2007-12-20T20:09:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



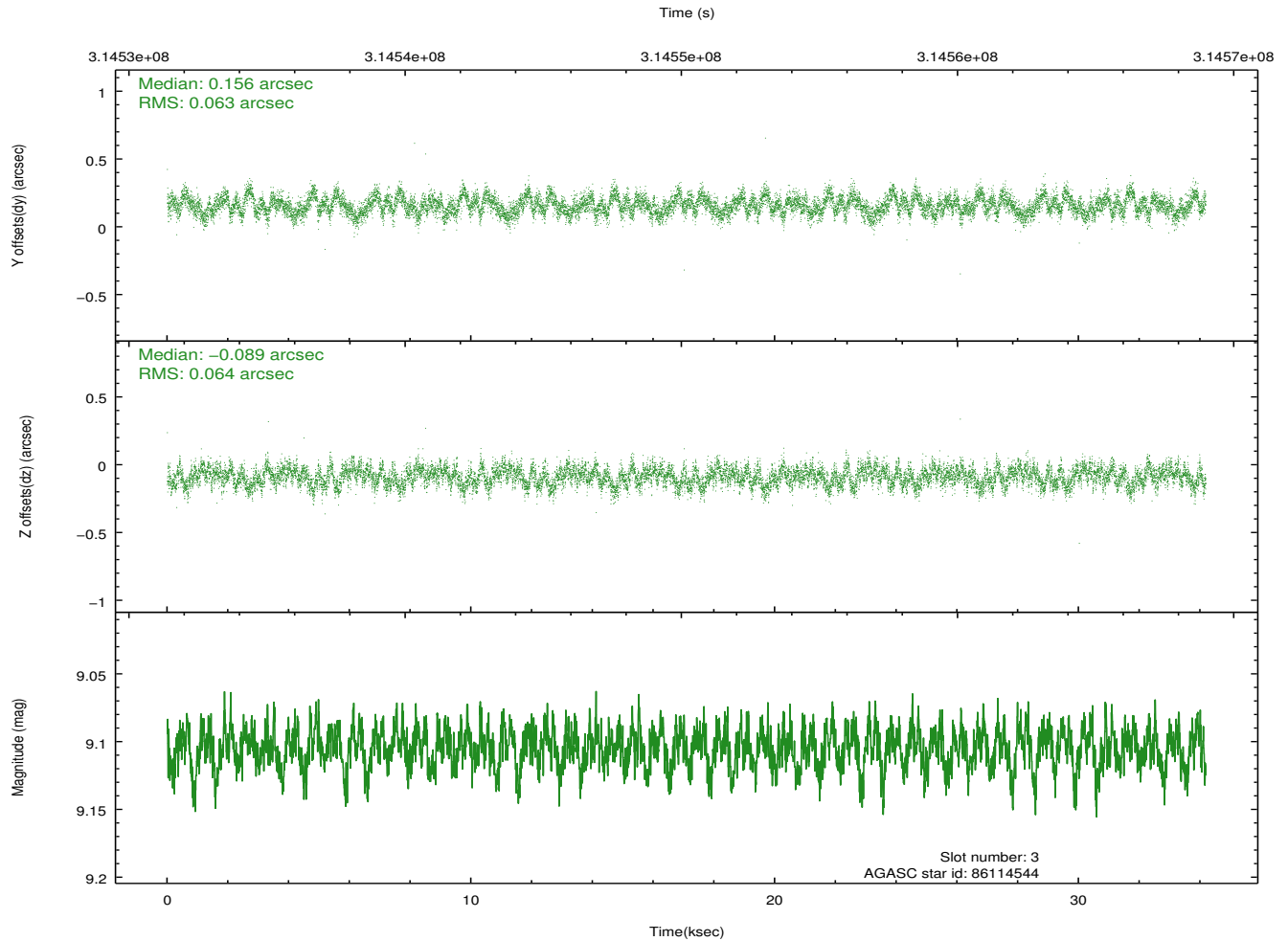
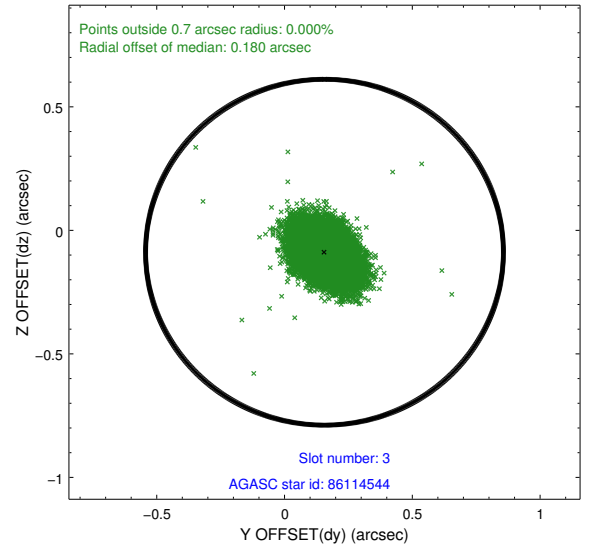
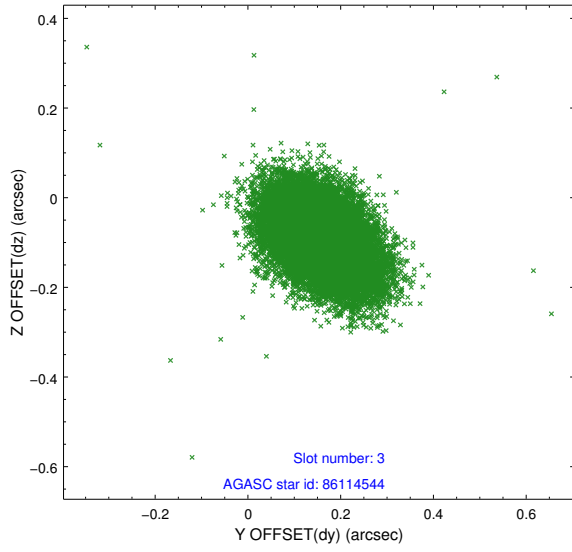


Slot Statistics

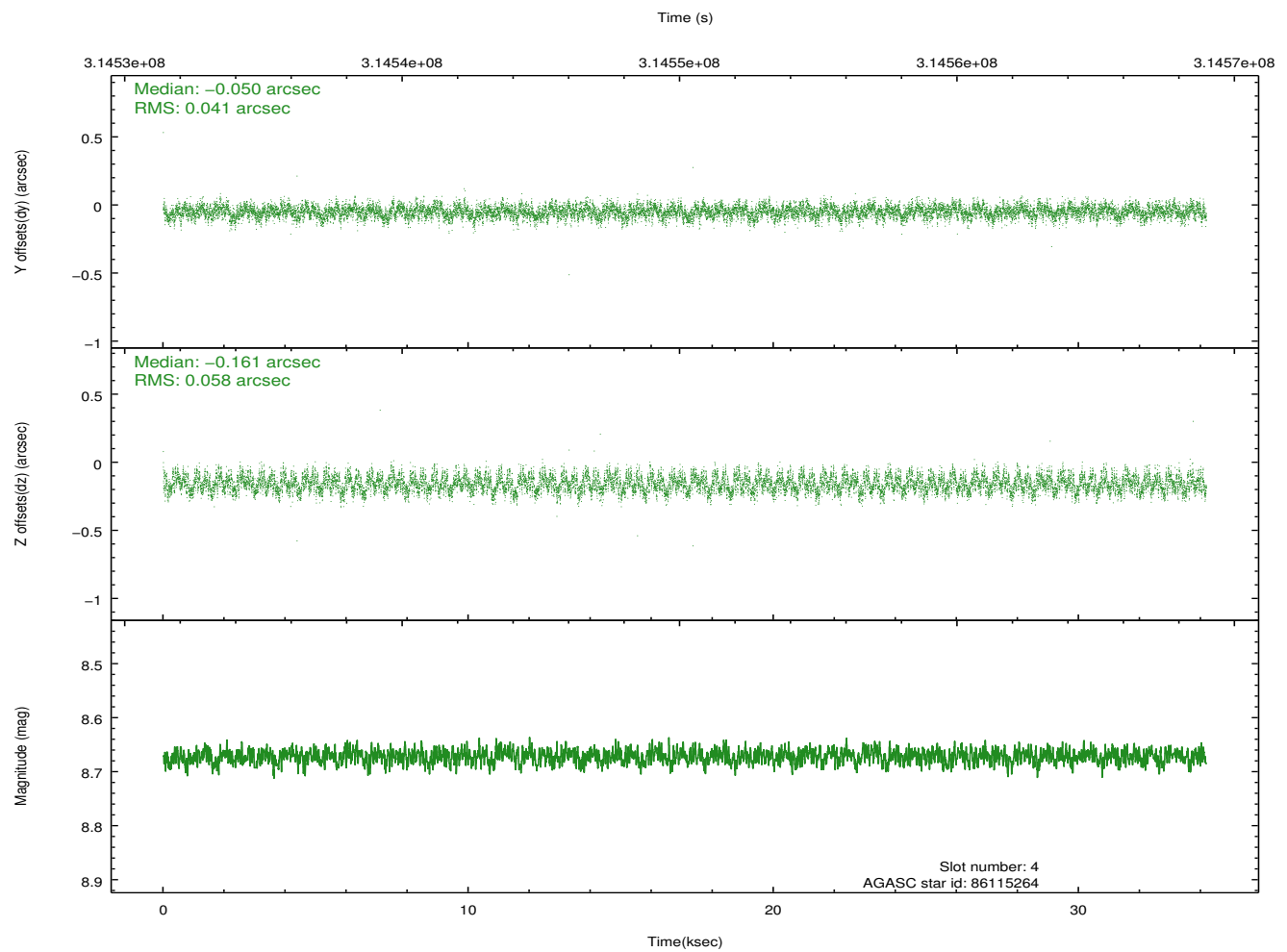
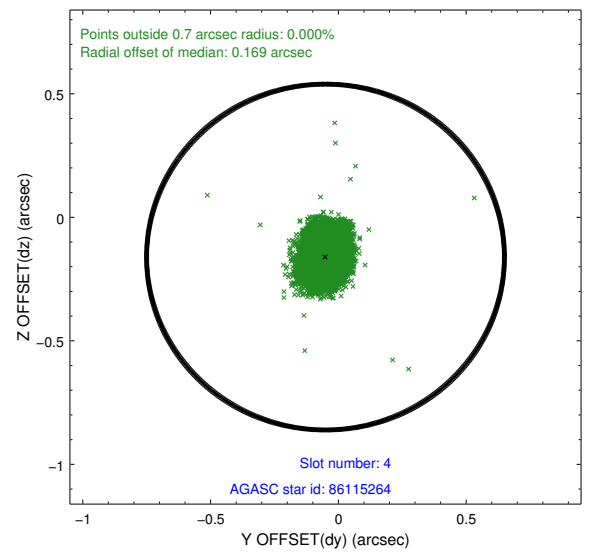
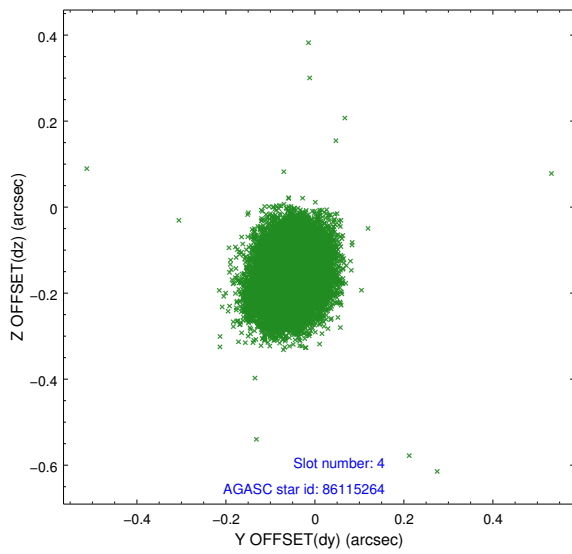
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	8336	-0.078	-0.054	0.010	0.015	0.000000	0.000000	-767.32	-1735.66
1	FID	ACIS-S-4	7.19	8338	0.206	0.052	0.007	0.013	0.000000	0.000000	2146.21	172.89
2	FID	ACIS-S-5	7.22	8338	-0.159	0.011	0.009	0.014	0.000000	0.000000	-1820.19	166.56
3	GUIDE	86114544	9.10	16659	0.156	-0.089	0.095	0.154	55.029475	9.679738	1449.71	695.65
4	GUIDE	86115264	8.67	16662	-0.050	-0.161	0.076	0.121	54.191764	9.800176	-329.44	-1725.02
5	GUIDE	86116984	7.01	16673	-0.113	0.051	0.064	0.099	54.479042	9.932832	-271.64	-601.08
6	GUIDE	86117080	9.13	16658	0.085	0.081	0.089	0.144	54.768566	9.652832	1100.85	-167.58
7	GUIDE	86117976	9.32	16653	-0.078	0.120	0.092	0.149	54.883704	9.293719	2434.05	-412.71

2.4 Star Slots

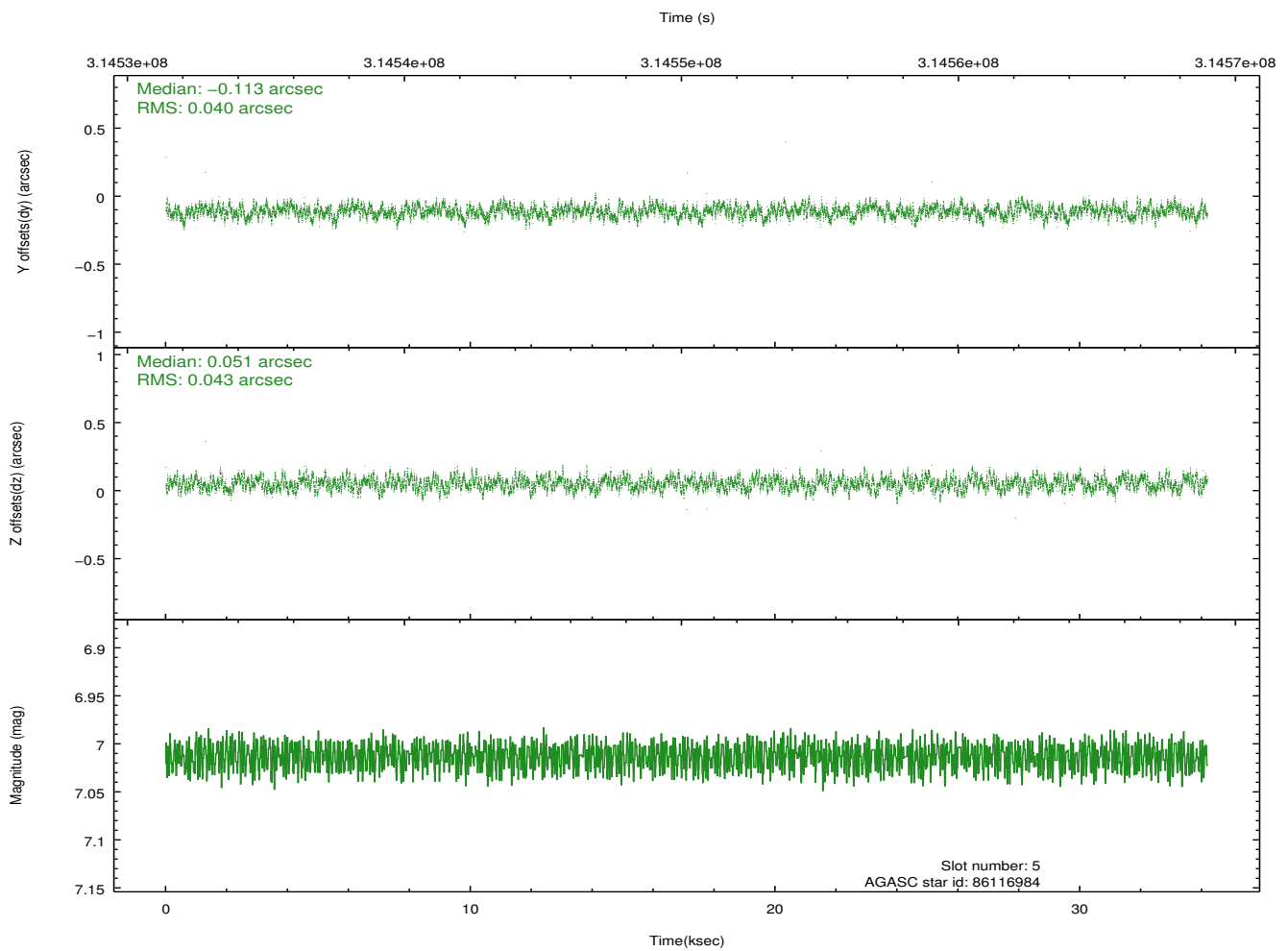
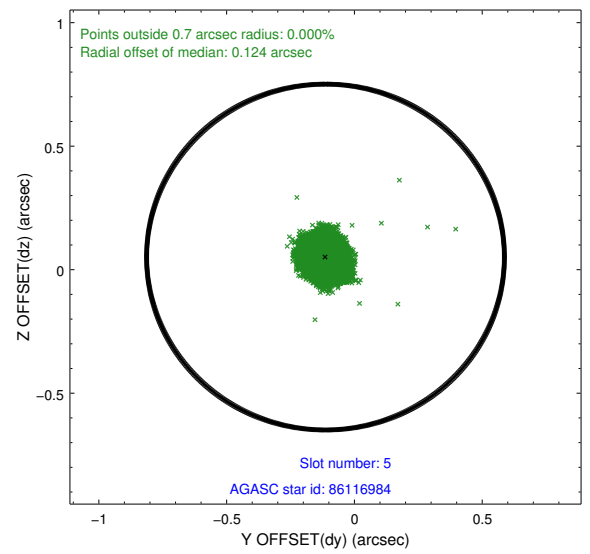
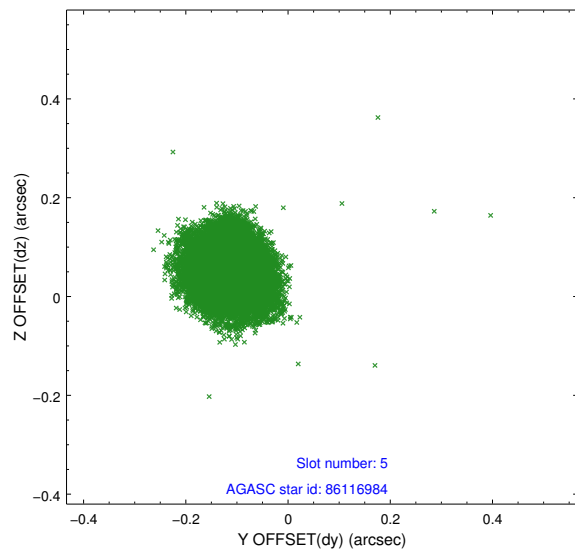
2.4.1 Slot 3



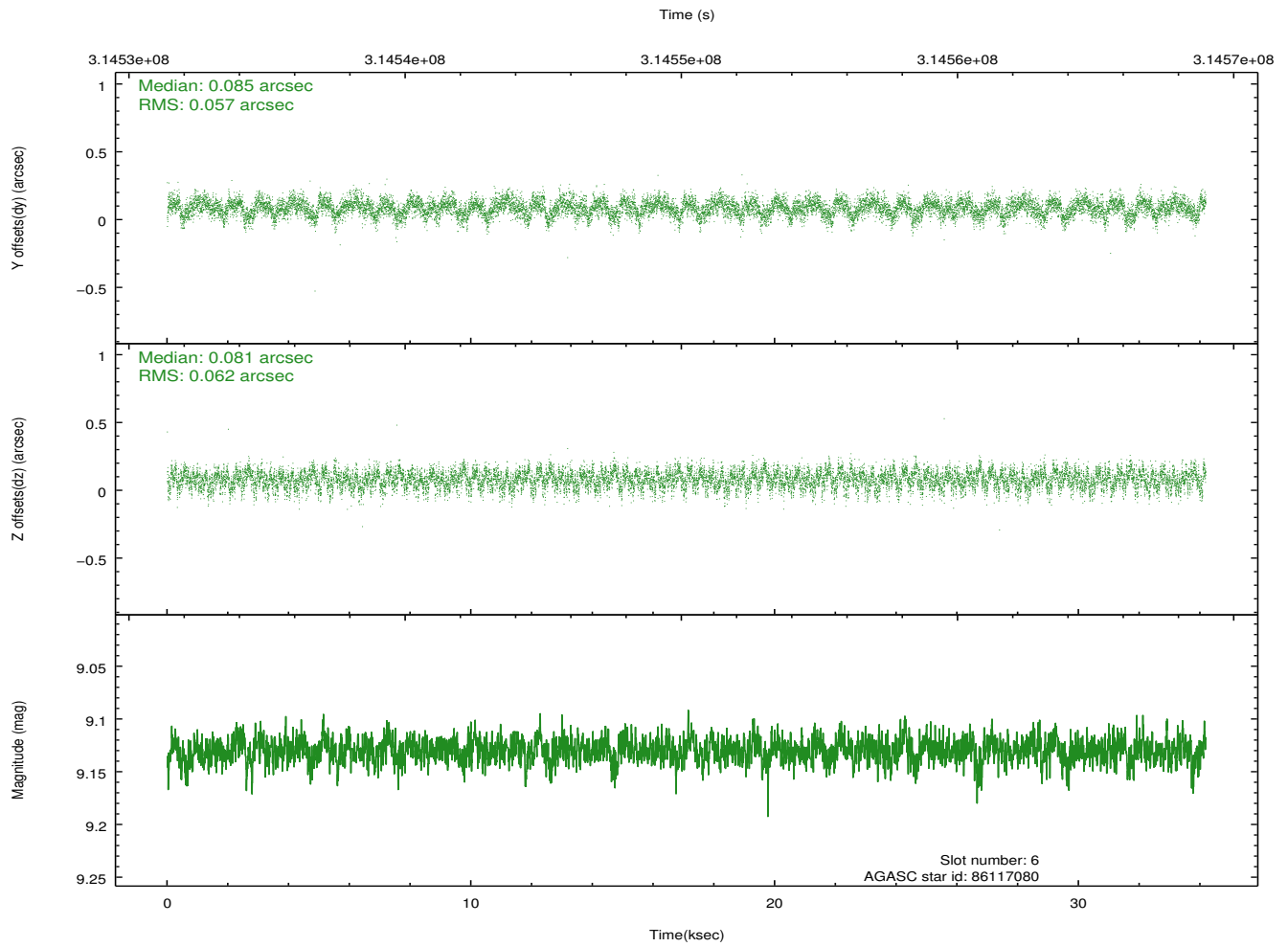
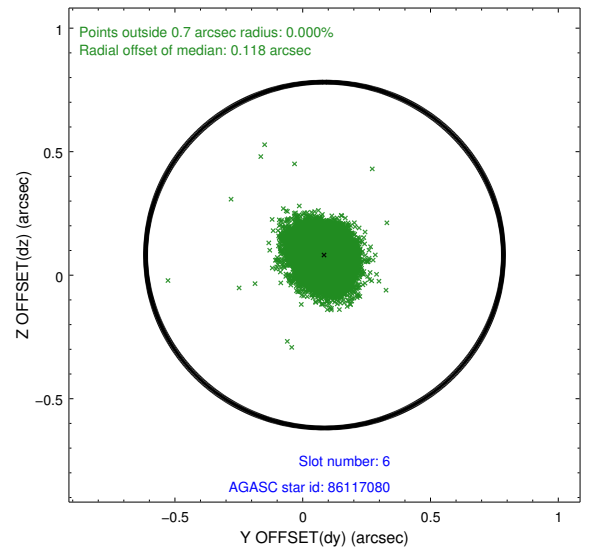
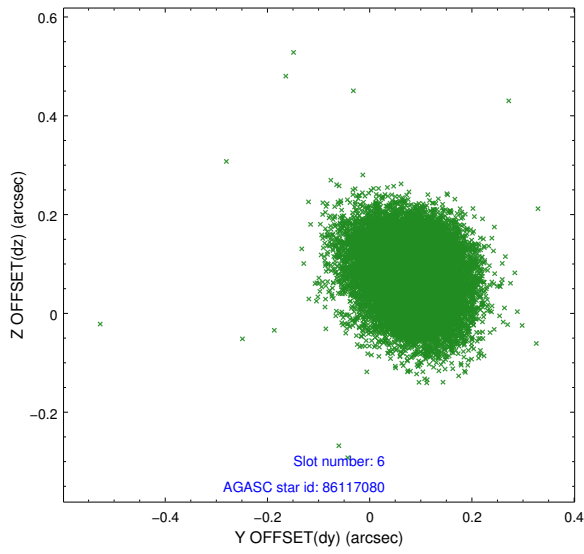
2.4.2 Slot 4



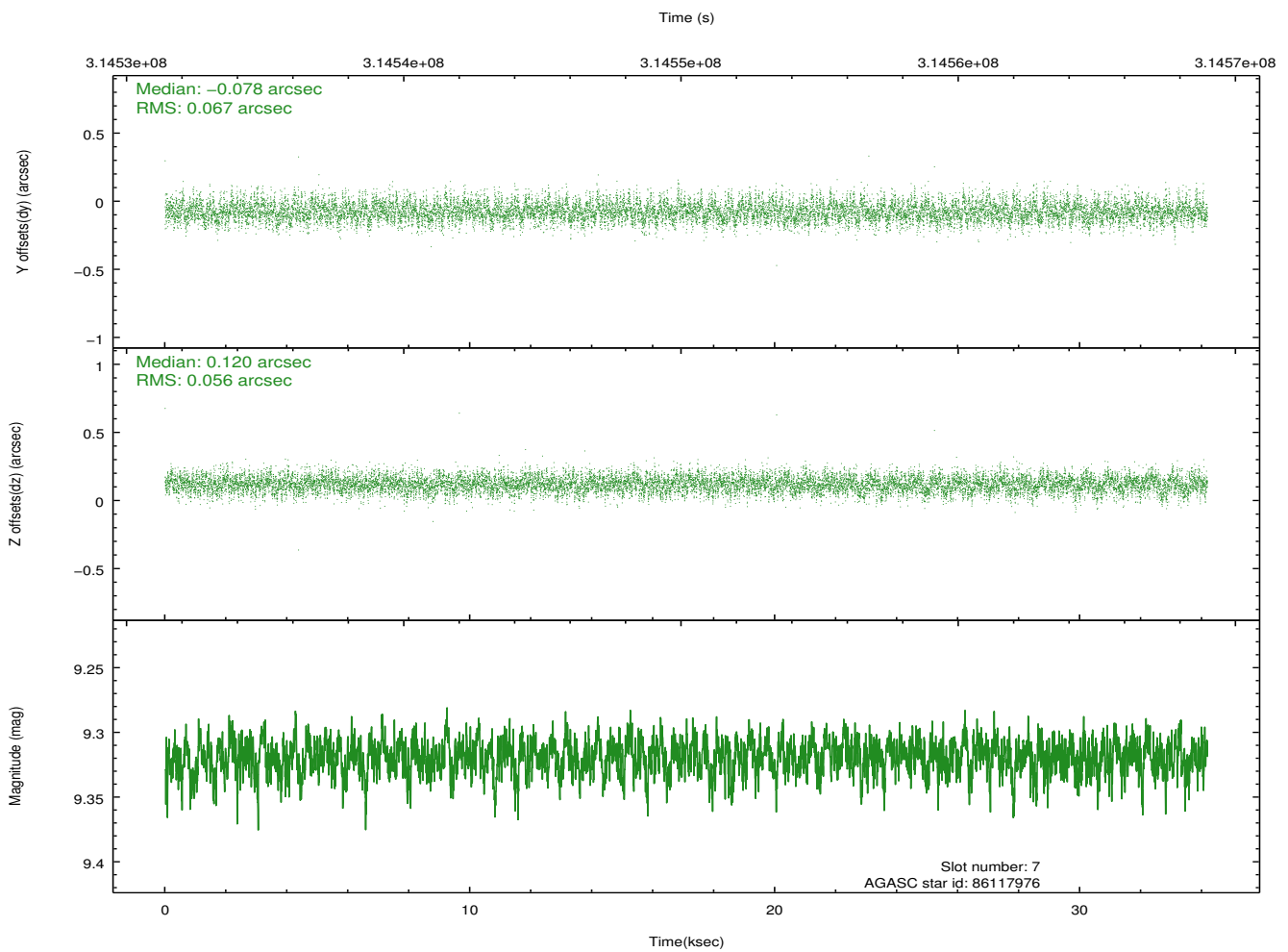
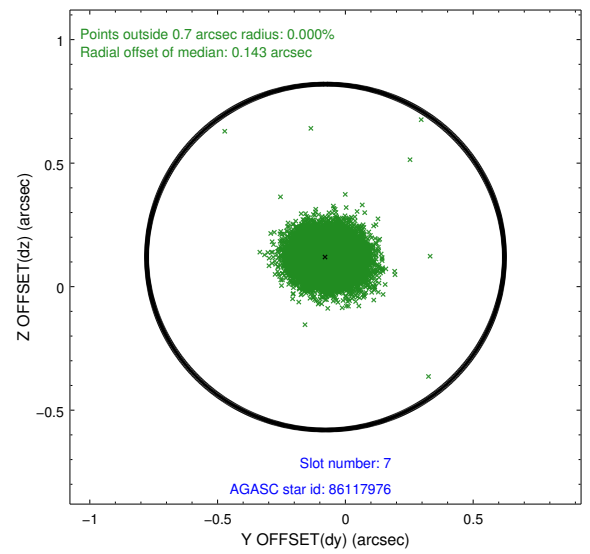
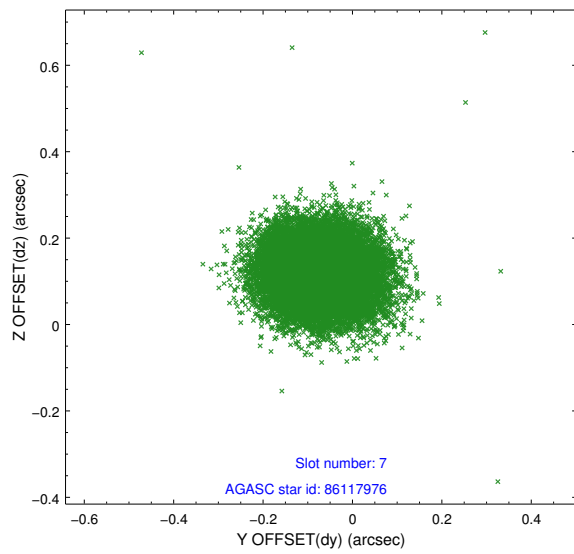
2.4.3 Slot 5



2.4.4 Slot 6

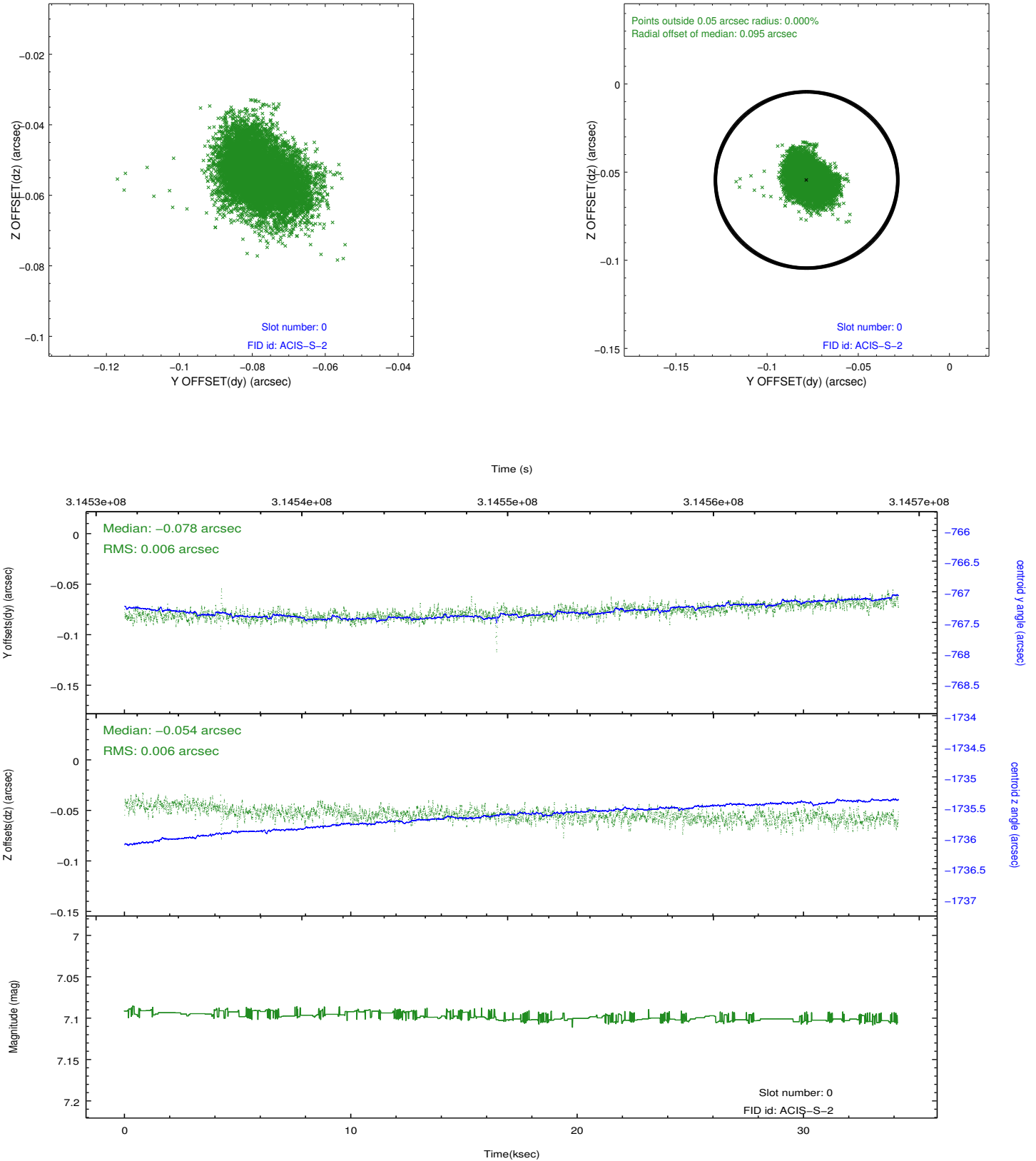


2.4.5 Slot 7

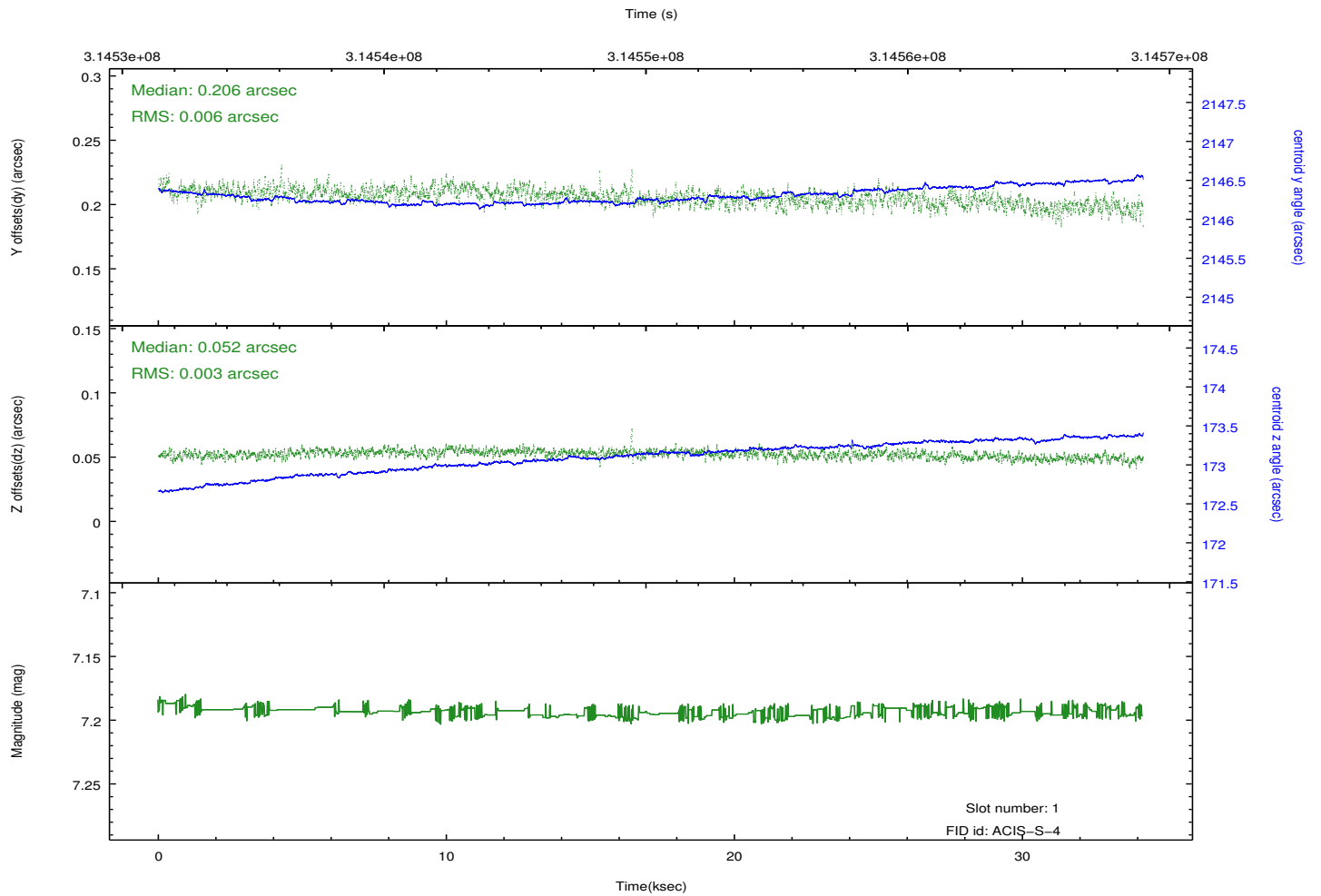
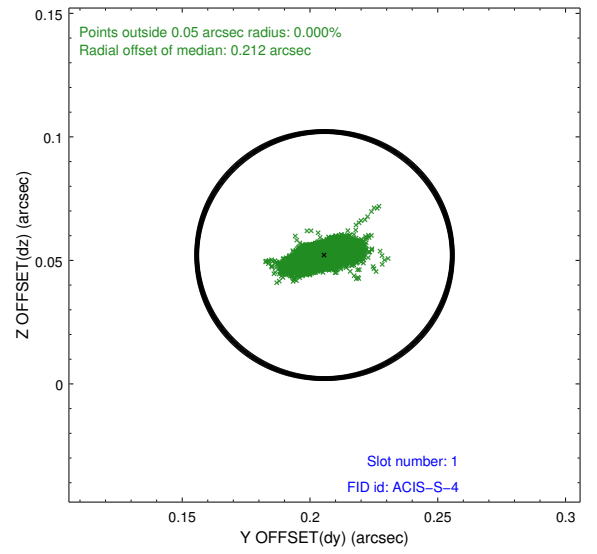
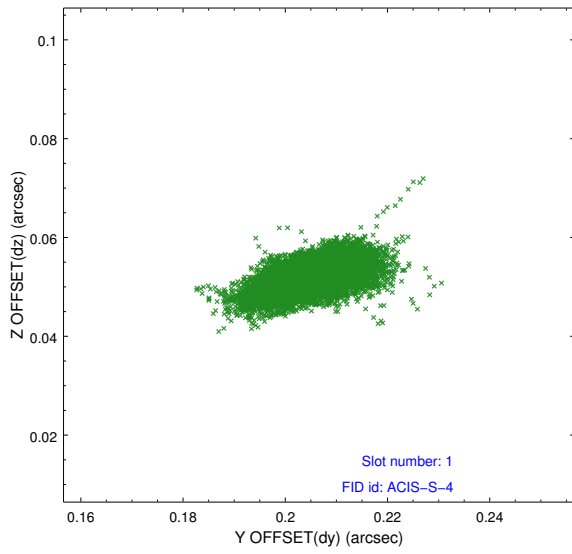


2.5 FID Slots

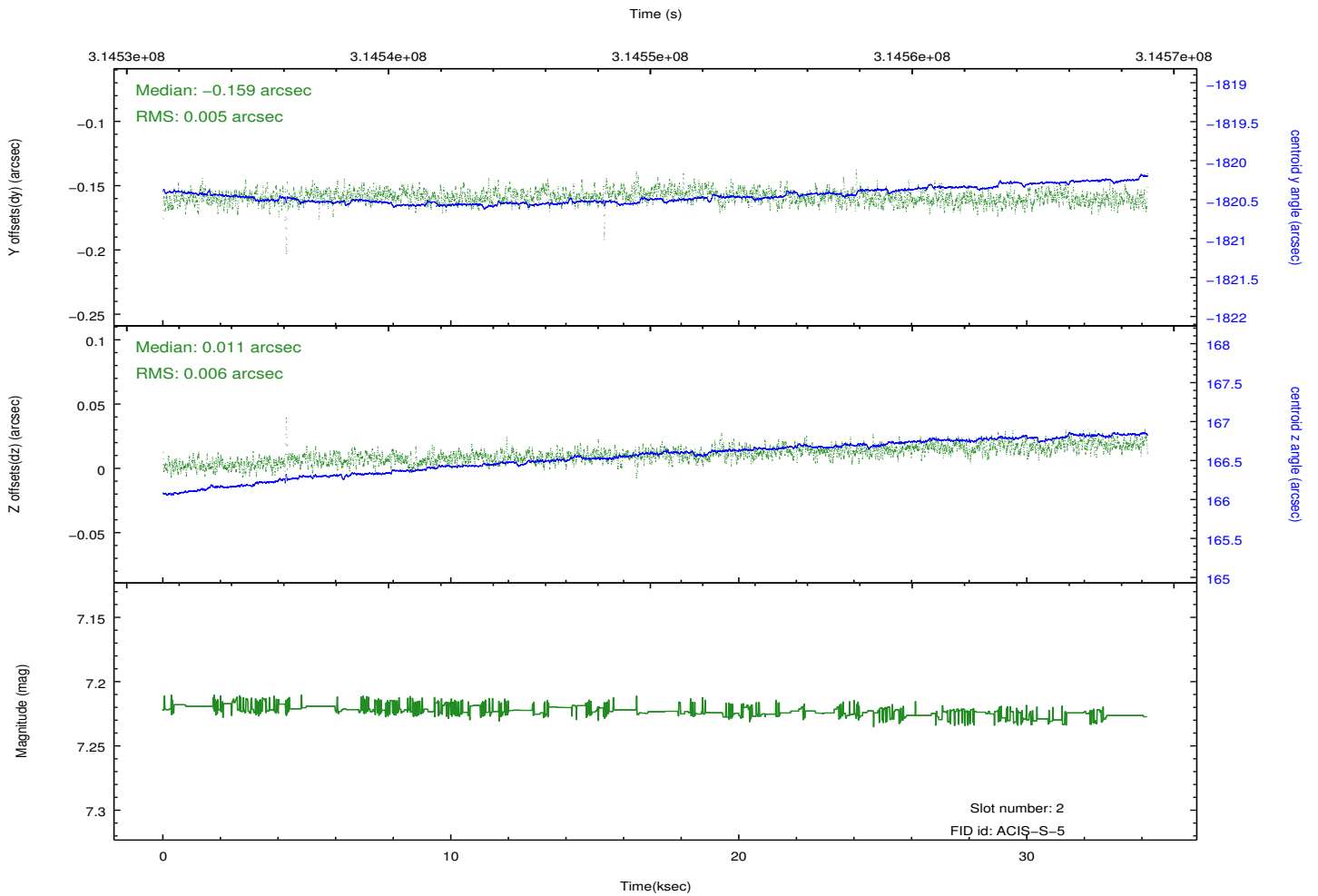
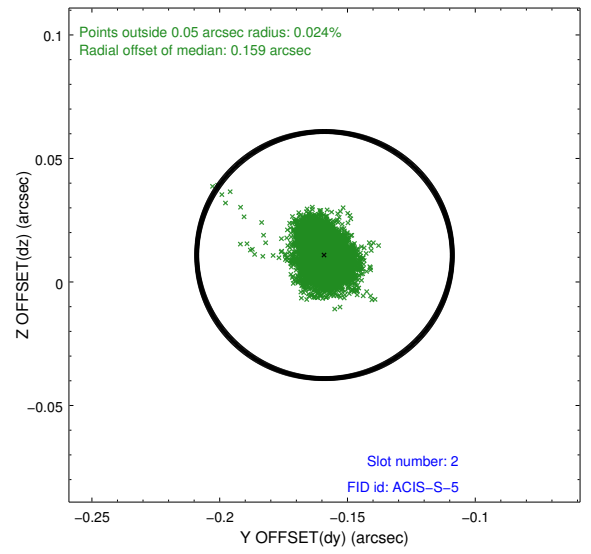
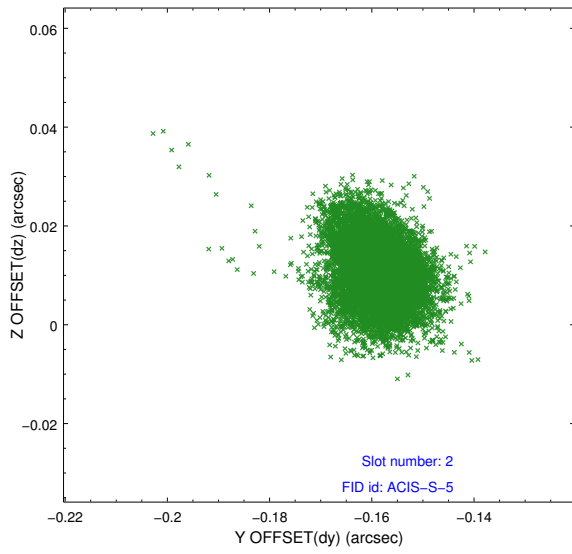
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.1759998

A.2 Comments

Joint proposal with NRAO.