

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9321 - L2 Version 2
Chandra X-Ray Center

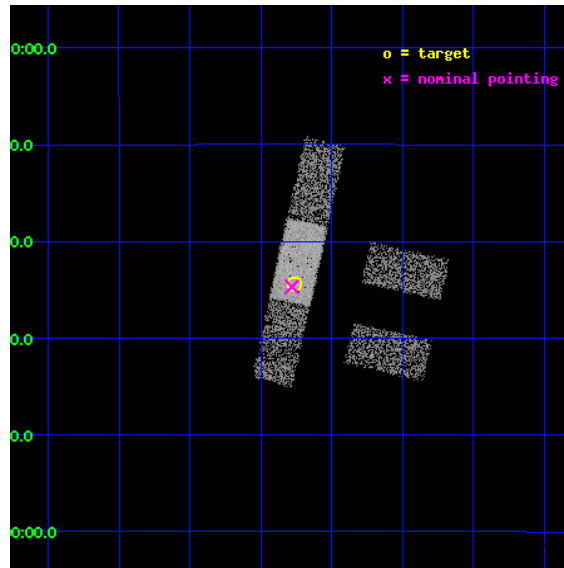
L2 Processing Date : May 9 2012

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

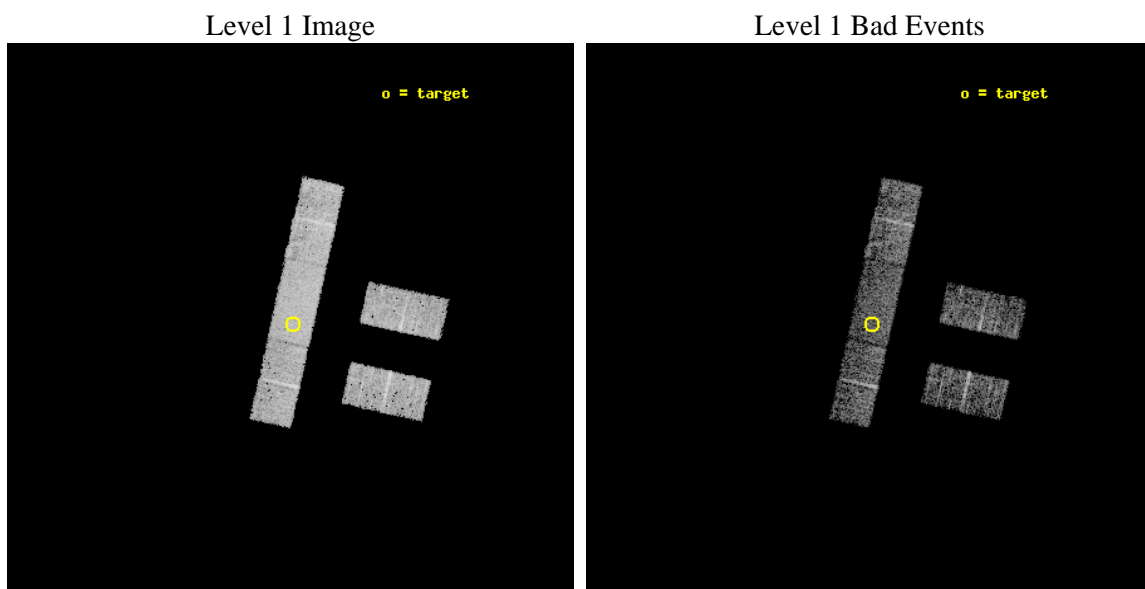
seq_num	701761	Sequence number
obs_id	9321	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S11	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.816667	Observer's specified target RA [deg]
dec_targ	-8.574833	Observer's specified target Dec [deg]
ra_nom	16.820114467992	Nominal RA [deg]
dec_nom	-8.5783471405619	Nominal Dec [deg]
roll_nom	282.58311340566	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3165.3999778628	Sum of GTIs [s]
livetime	3090.7847966542	Livetime [s]
ontime2	3165.3999778628	Sum of GTIs [s]
ontime3	3165.3999778628	Sum of GTIs [s]
ontime6	3165.3999778628	Sum of GTIs [s]
ontime7	3165.3999778628	Sum of GTIs [s]
ontime8	3165.3999778628	Sum of GTIs [s]
l2events	17052	Number of level 2 events



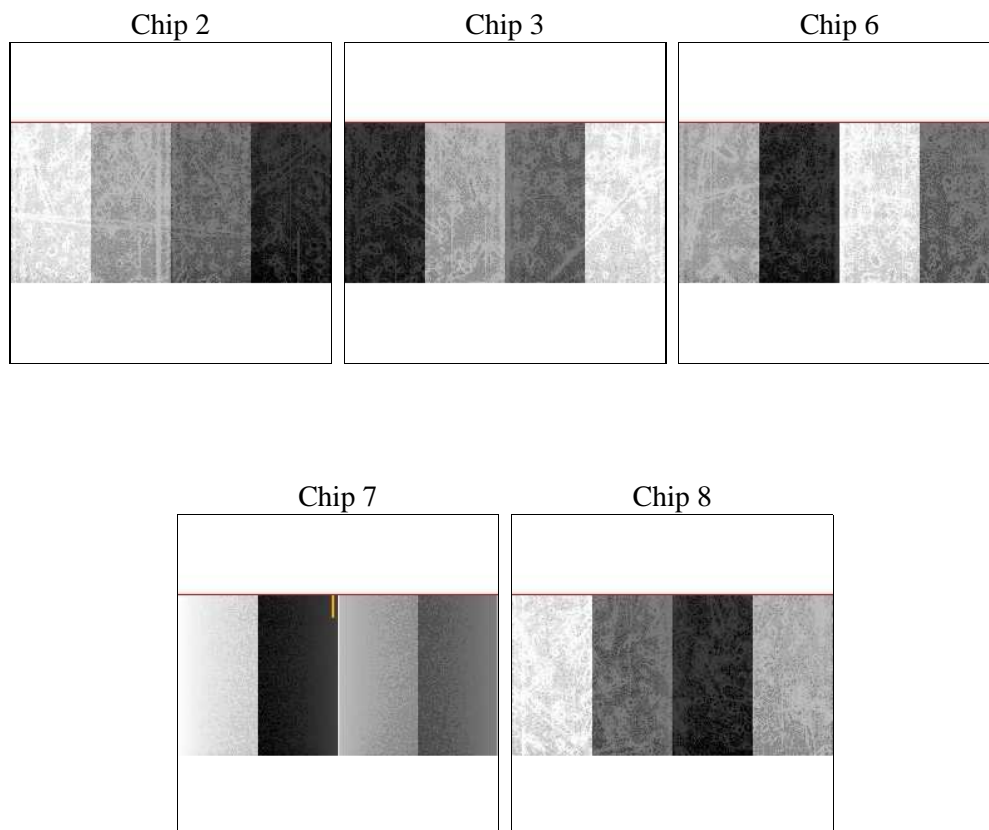
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3165.3999778628	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3165.3999778628	Sum of GTIs [s]
date	2012-05-09T04:09:18	Date and time of file creation	ontime3	3165.3999778628	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3165.3999778628	Sum of GTIs [s]
			ontime7	3165.3999778628	Sum of GTIs [s]
			ontime8	3165.3999778628	Sum of GTIs [s]
			l1events	134391	Number of level 1 events

2.1.4 Events

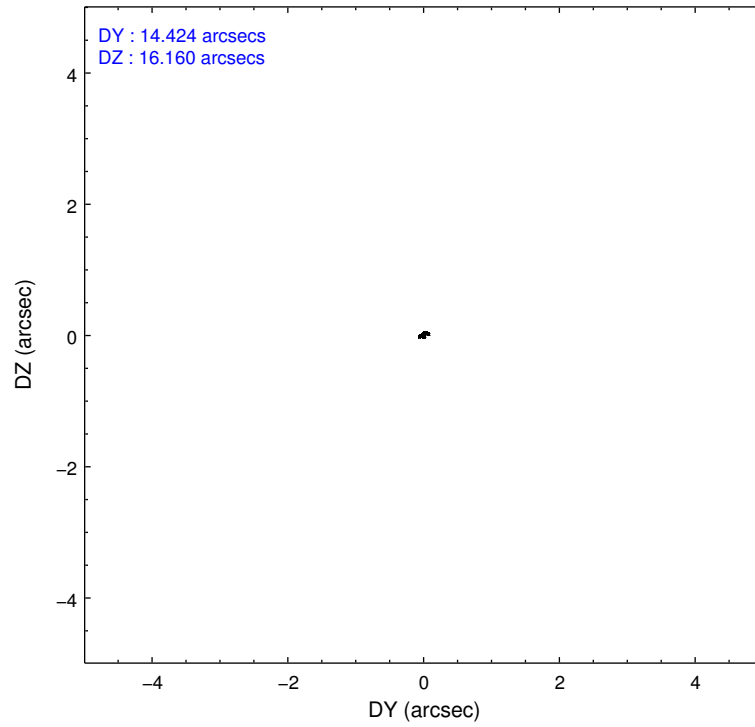
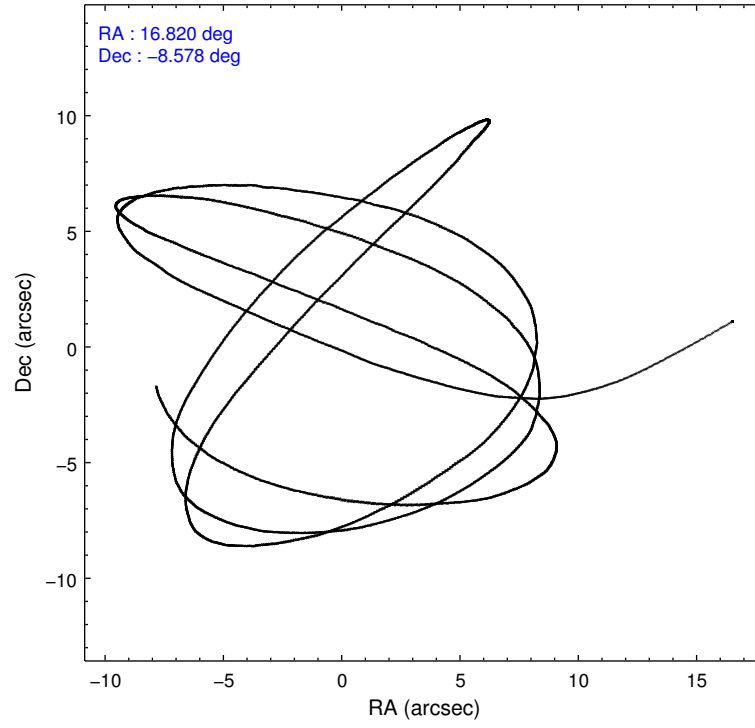
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	22954	23118	24111	32917	31291
rejected events	20861	21116	21968	23089	26869
rejected %	90%	91%	91%	70%	85%

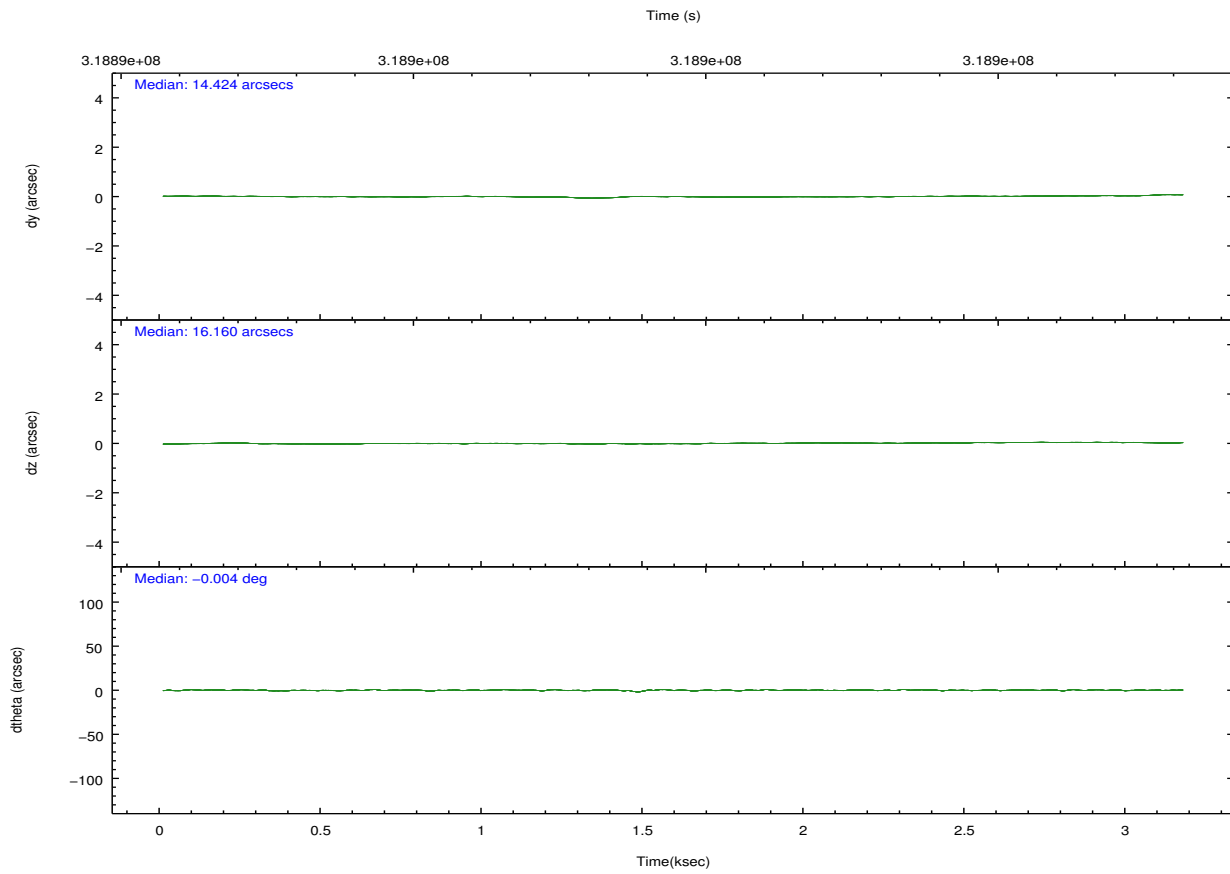
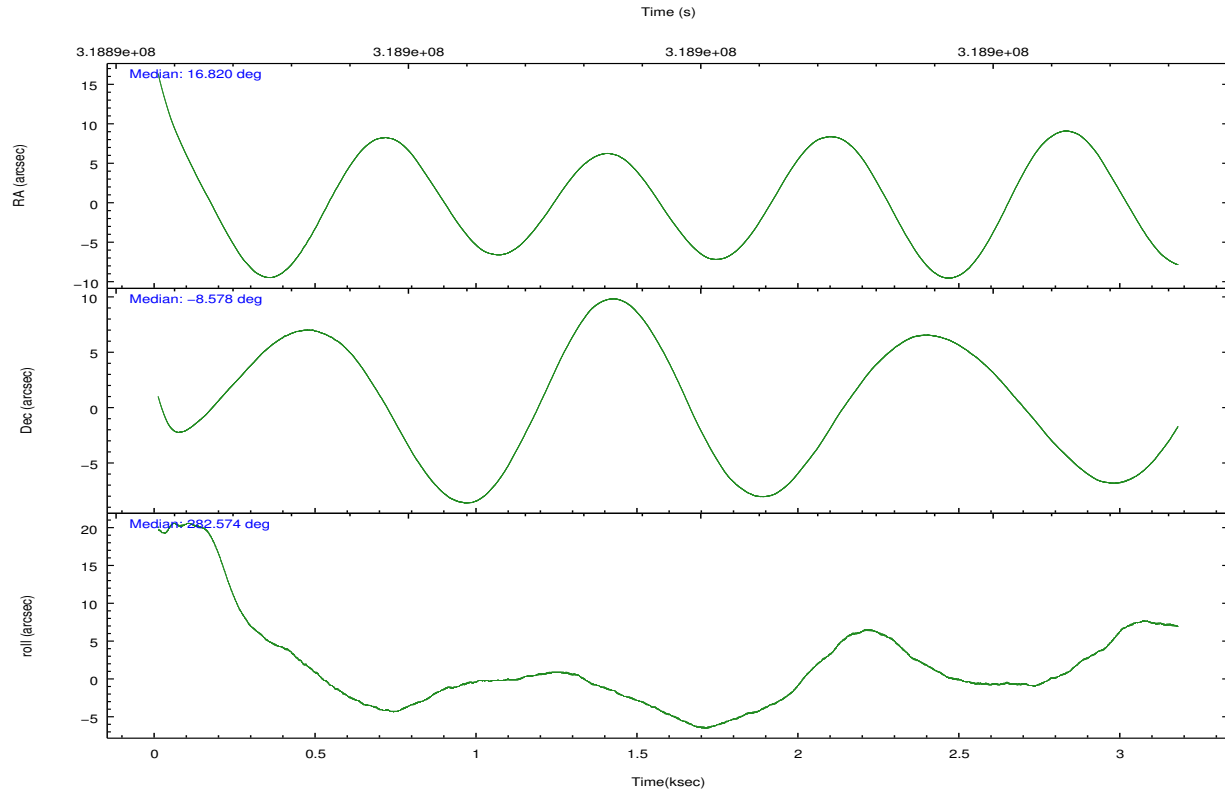
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1395	1296	1259	1438	2262
	6%	5%	5%	4%	7%
grade 1 events	8	10	8	33	15
	0%	0%	0%	0%	0%
grade 2 events	577	538	670	3092	1358
	2%	2%	2%	9%	4%
grade 3 events	328	321	365	1371	716
	1%	1%	1%	4%	2%
grade 4 events	303	333	342	1342	691
	1%	1%	1%	4%	2%
grade 5 events	915	1085	1117	3029	1407
	3%	4%	4%	9%	4%
grade 6 events	462	472	587	7283	1506
	2%	2%	2%	22%	4%
grade 7 events	18966	19063	19763	15329	23336
	82%	82%	81%	46%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	16.801105	16.82011446799156	CCD I2 on	O1	Y
[deg] Pointing Dec	-8.558428	-8.578347140561915	CCD I3 on	Y	Y
[deg] Pointing Roll	282.423701	282.5831134056552	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	318894486.184000	318892869.17826	CCD S5 on	N	N
Observation start date	2008-02-08T21:47:01	2008-02-08T21:21:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318897486.184000	318897837.866	On-chip summing requested	N	N
Observation end date	2008-02-08T22:37:01	2008-02-08T22:43:57	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



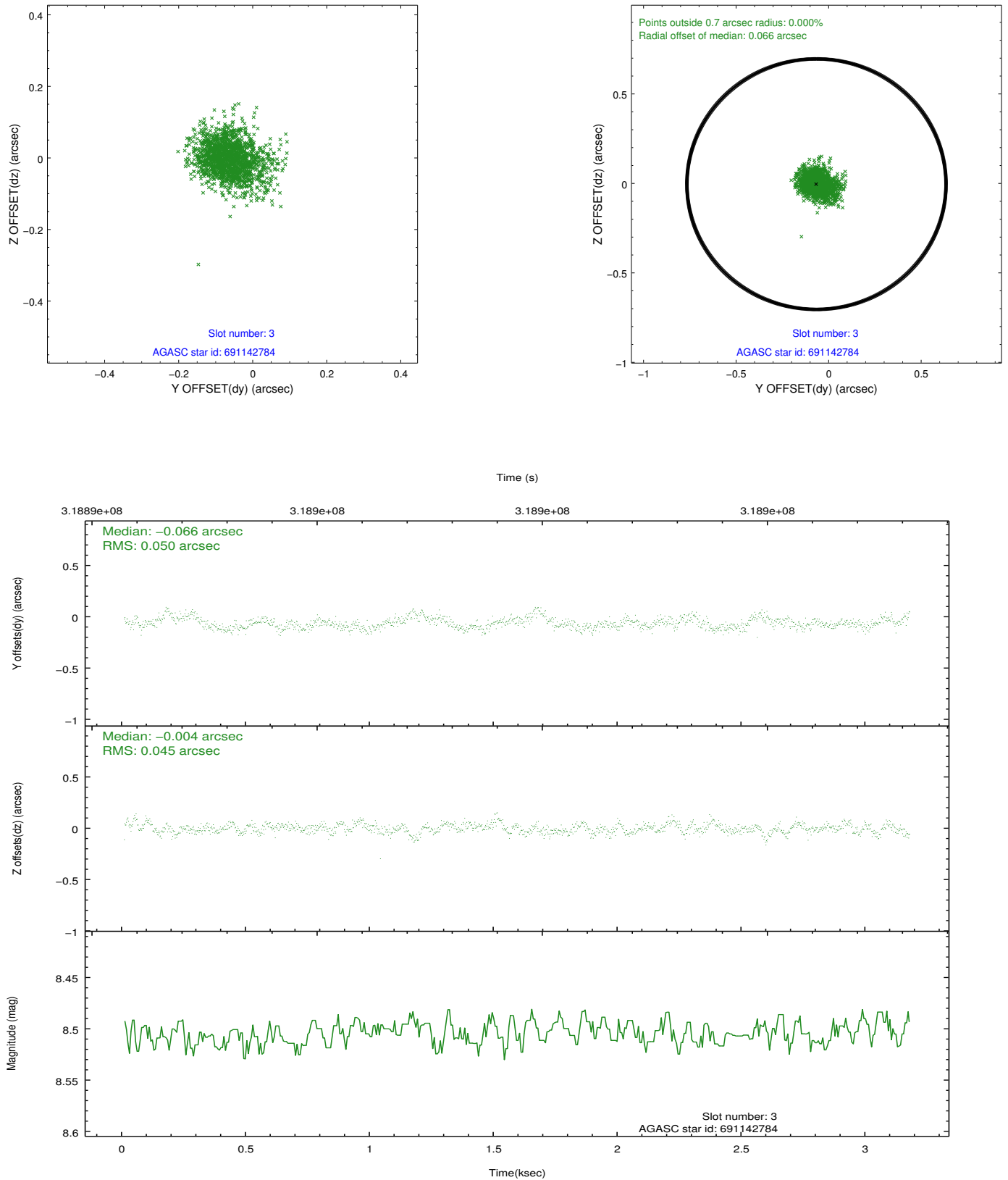


Slot Statistics

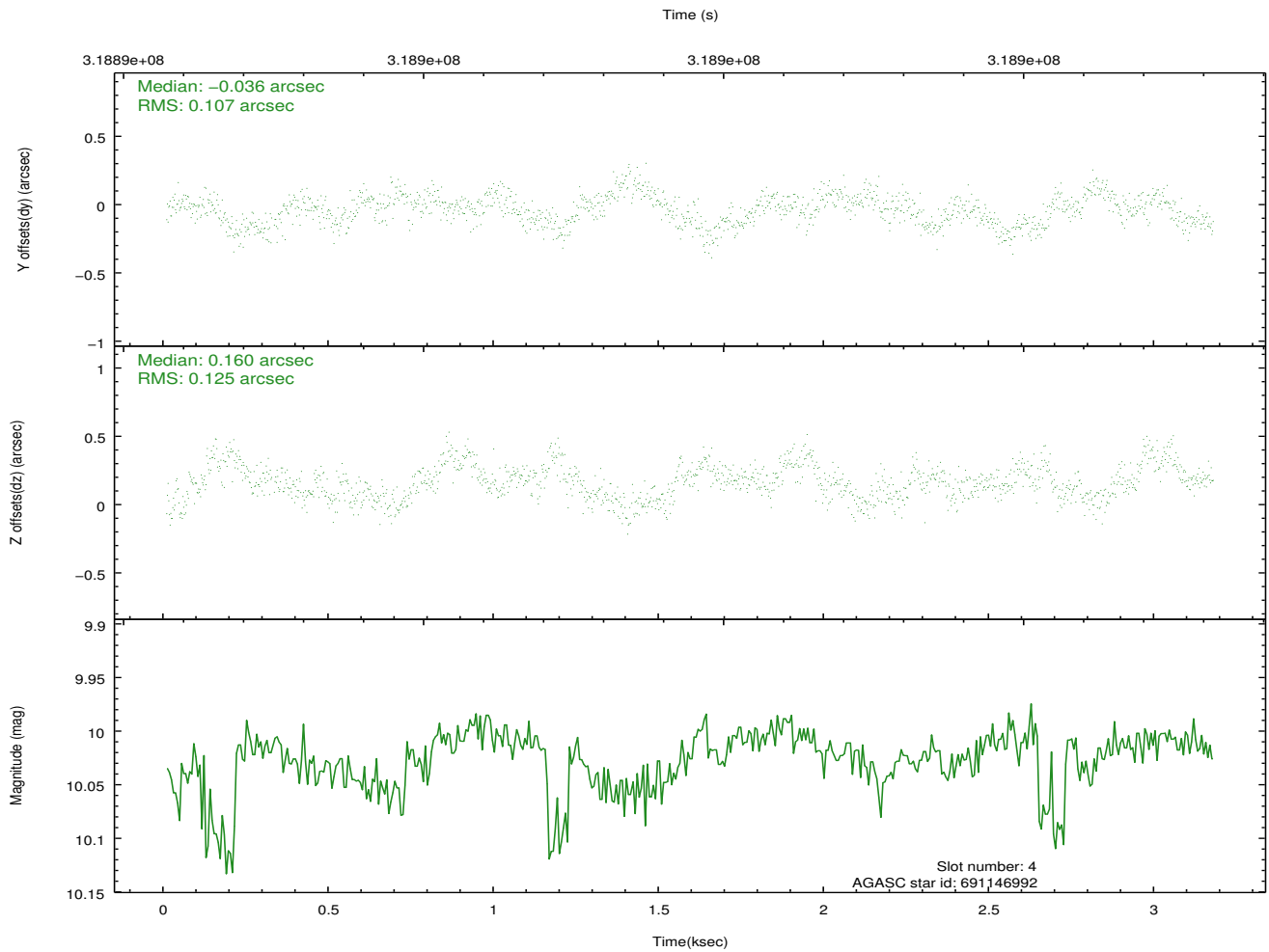
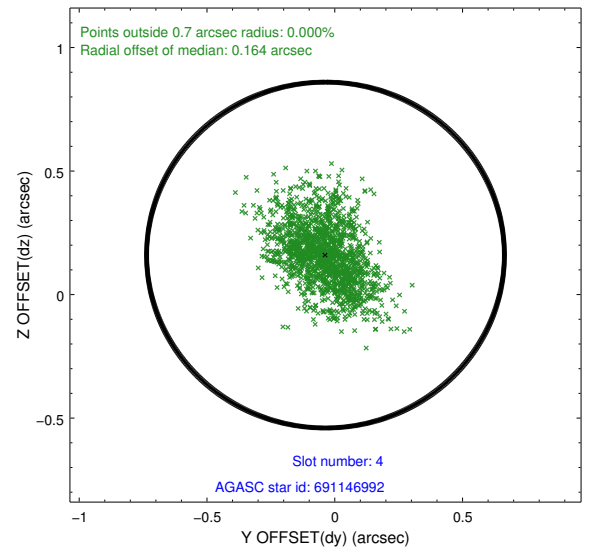
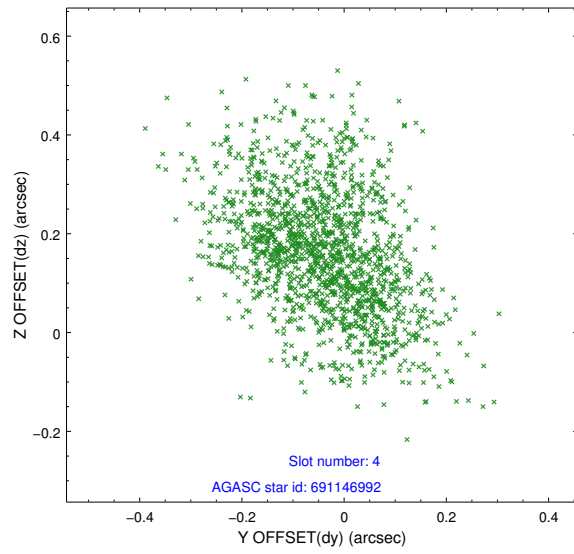
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	773	-0.068	-0.023	0.007	0.011	0.000000	0.000000	-767.46	-1737.59
1	FID	ACIS-S-4	7.19	773	0.179	0.039	0.006	0.011	0.000000	0.000000	2145.15	168.85
2	FID	ACIS-S-5	7.22	773	-0.142	-0.007	0.007	0.012	0.000000	0.000000	-1817.79	164.78
3	GUIDE	691142784	8.50	1547	-0.066	-0.004	0.069	0.121	16.952758	-8.233705	-1025.31	780.90
4	GUIDE	691146992	10.02	1543	-0.036	0.160	0.173	0.288	17.325749	-8.120189	-1138.08	2165.32
5	GUIDE	691148320	8.88	1547	0.086	0.028	0.099	0.159	16.678325	-8.697310	394.29	-532.43
6	GUIDE	691150760	9.45	1545	-0.086	-0.182	0.127	0.194	16.056349	-8.183959	-1883.80	-2301.99
7	GUIDE	691159784	9.97	1541	0.108	-0.006	0.150	0.236	17.030076	-7.845191	-2333.00	1348.38

2.4 Star Slots

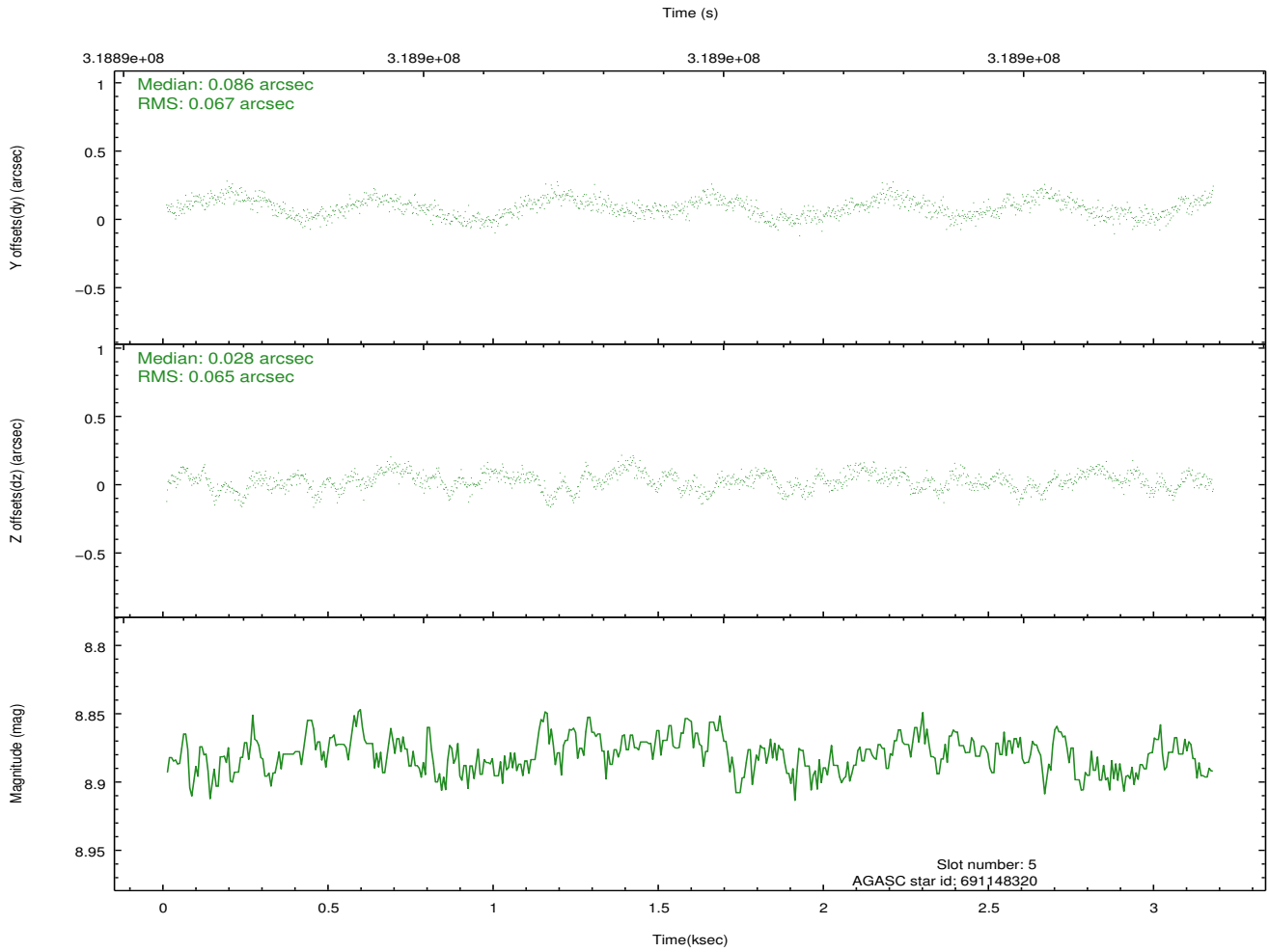
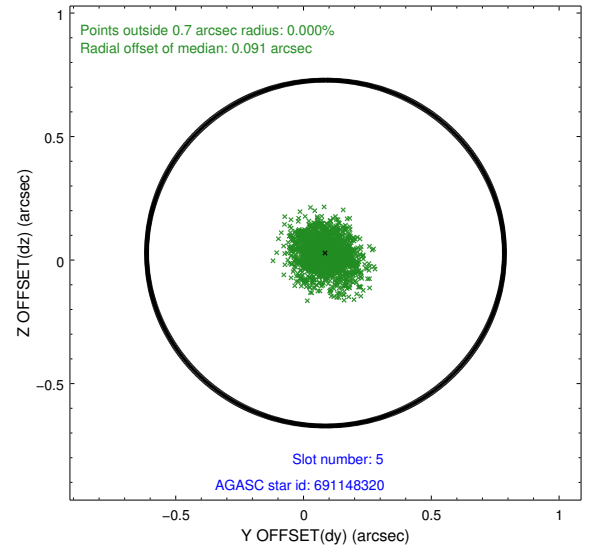
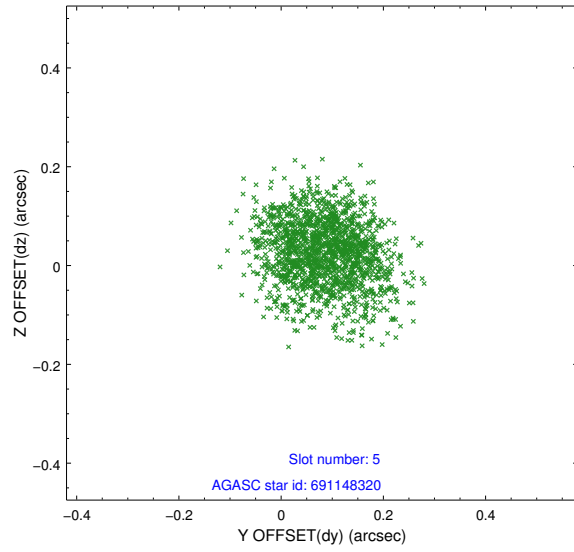
2.4.1 Slot 3



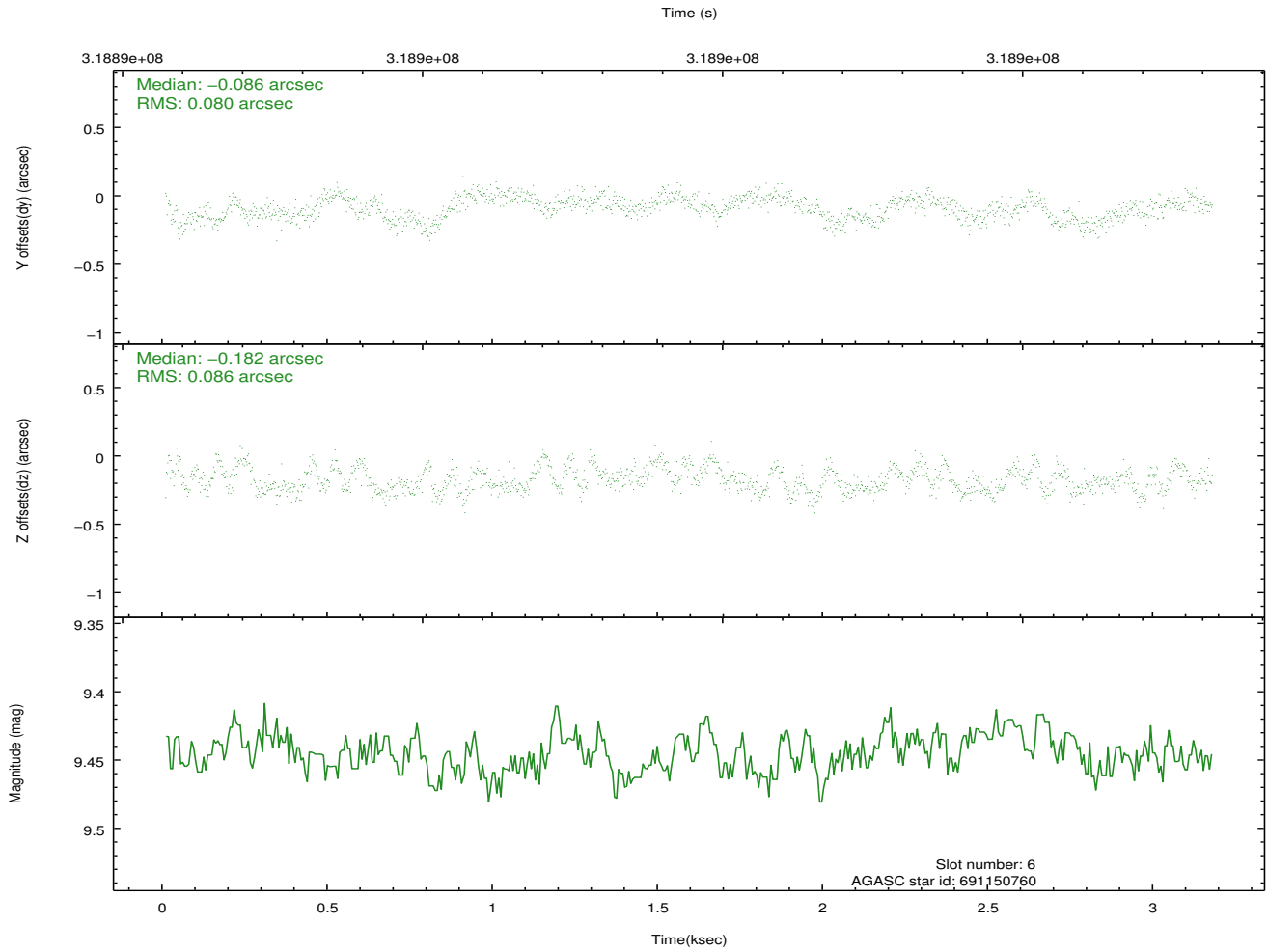
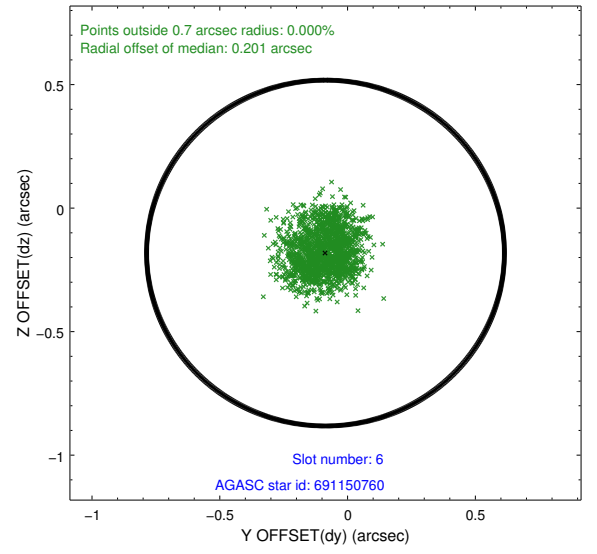
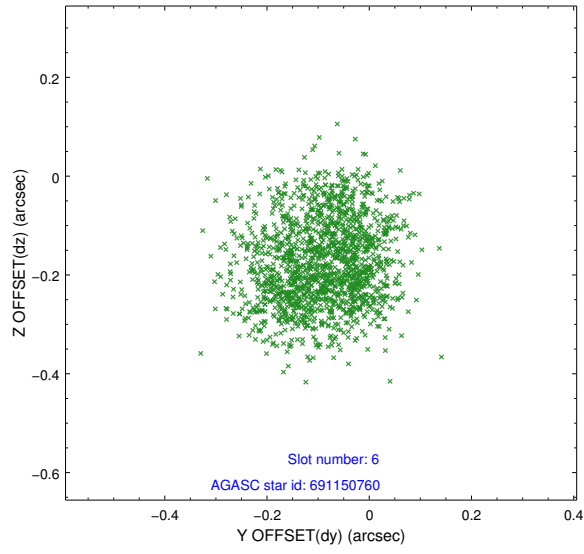
2.4.2 Slot 4



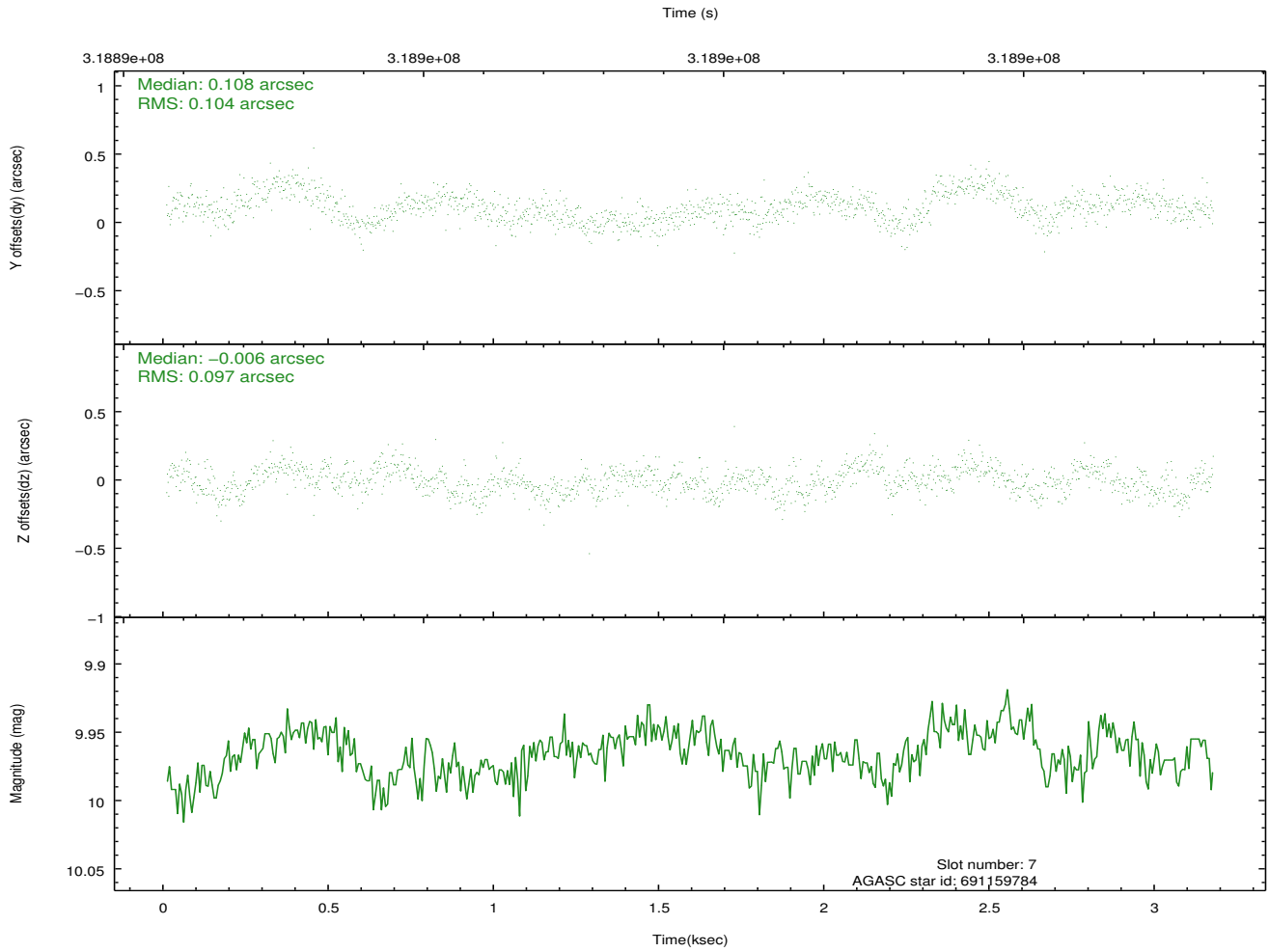
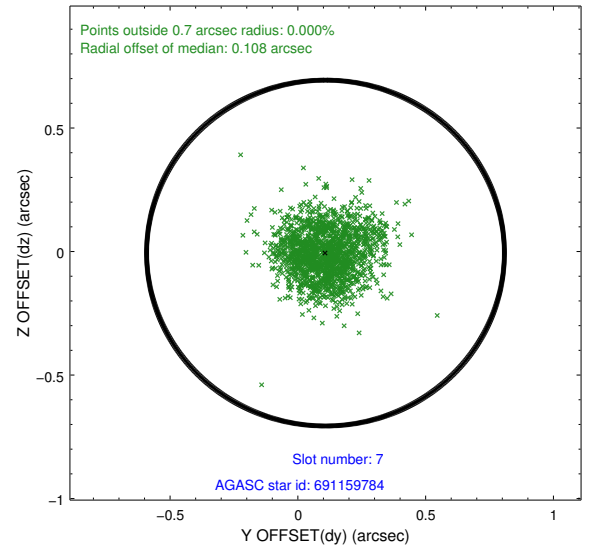
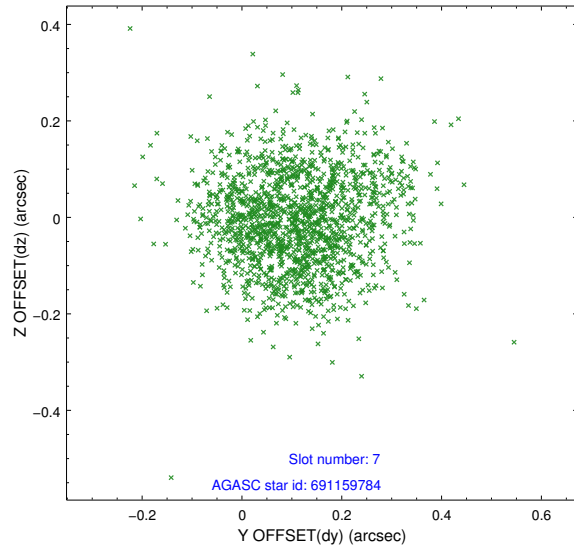
2.4.3 Slot 5



2.4.4 Slot 6

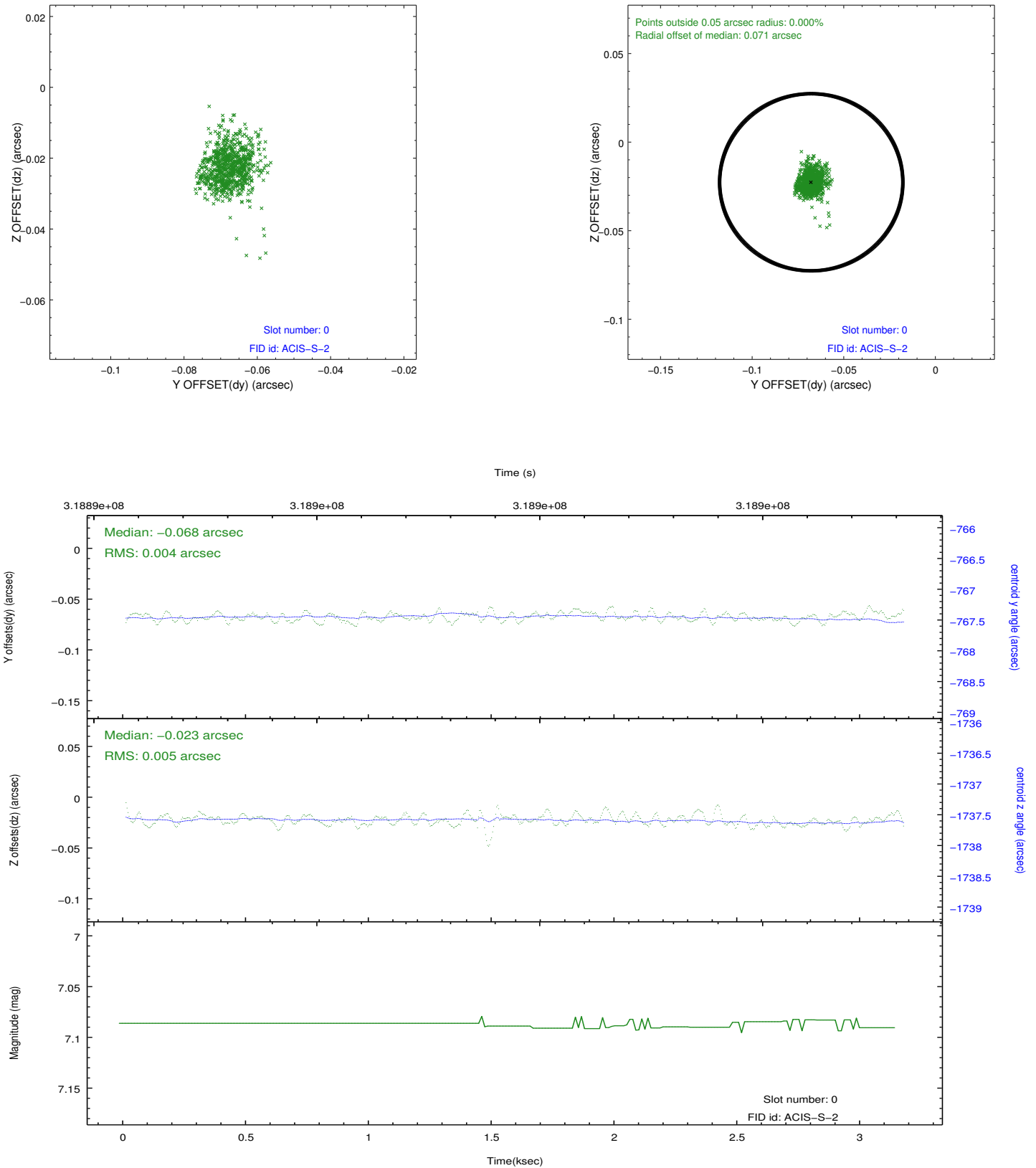


2.4.5 Slot 7

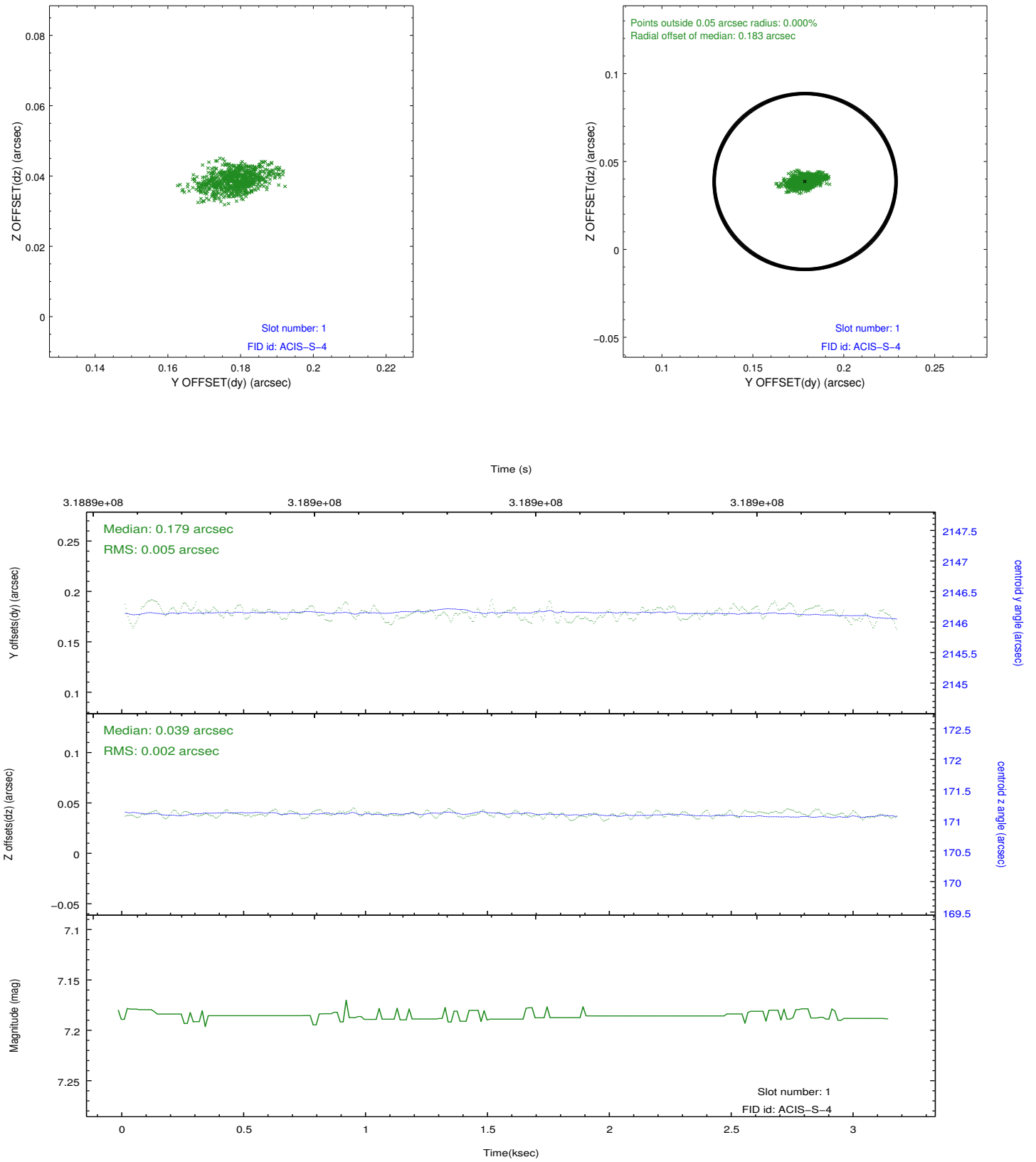


2.5 FID Slots

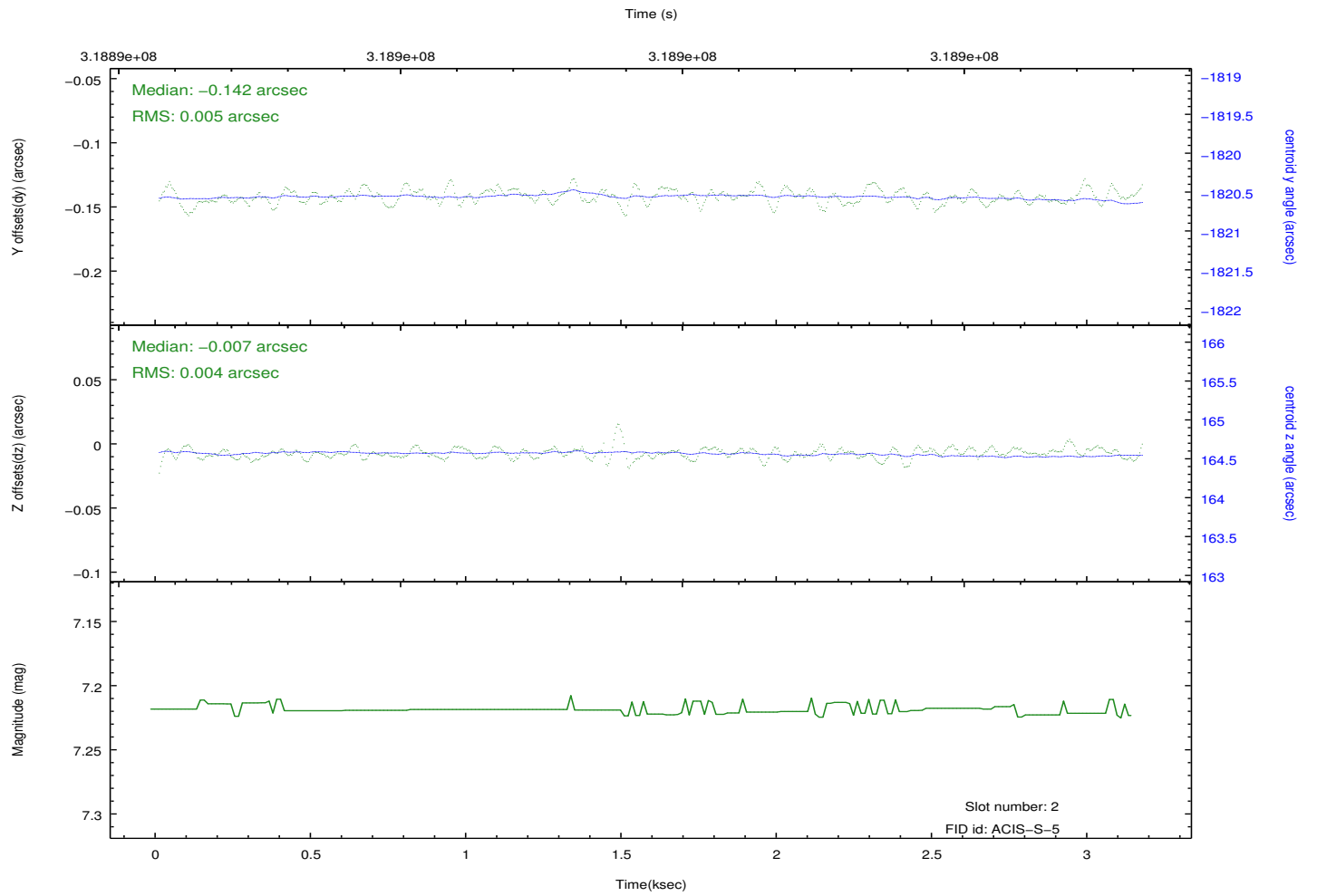
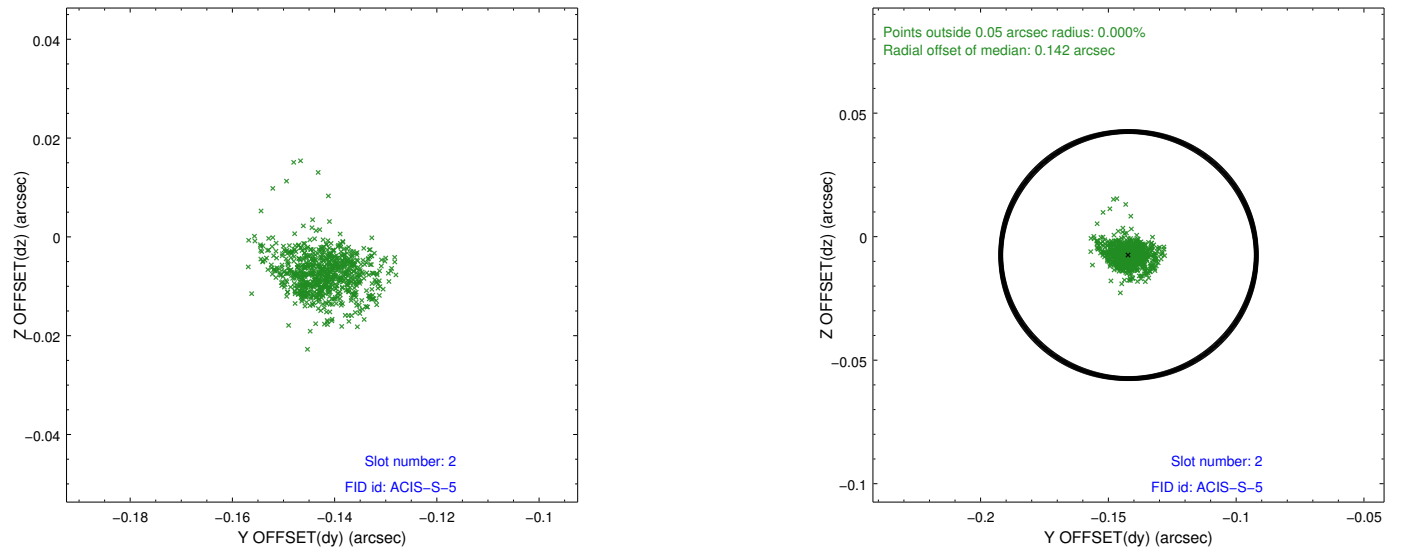
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.16539997

A.2 Comments

Joint proposal with HST and Spitzer.