

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9312 - L2 Version 2
Chandra X-Ray Center

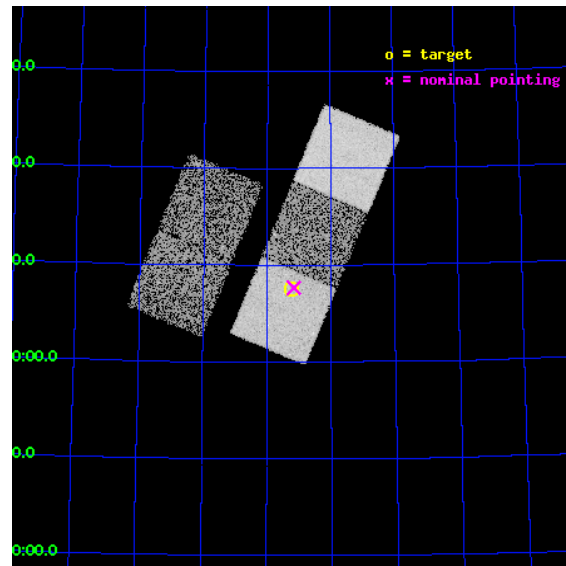
L2 Processing Date : May 10 2012

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1 Front

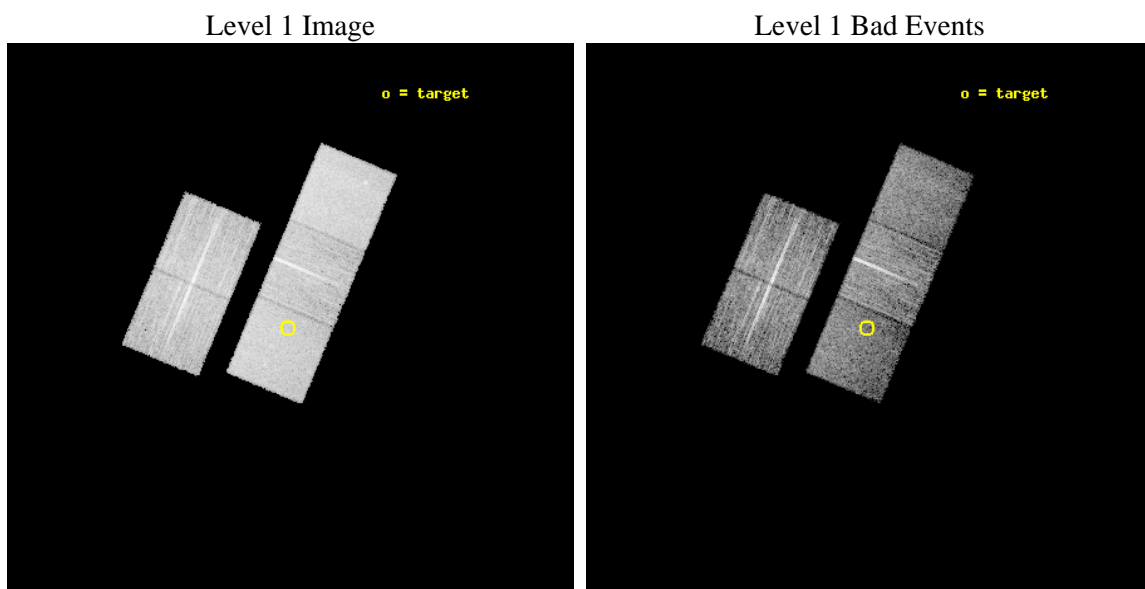
seq_num	701752	Sequence number
obs_id	9312	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C303.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	220.808333	Observer's specified target RA [deg]
dec_targ	77.125	Observer's specified target Dec [deg]
ra_nom	220.79059392723	Nominal RA [deg]
dec_nom	77.127818454825	Nominal Dec [deg]
roll_nom	112.67389067819	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7771.6952168941	Sum of GTIs [s]
livetime	7670.1522974466	Livetime [s]
ontime2	7771.5310767293	Sum of GTIs [s]
ontime3	7771.5721167326	Sum of GTIs [s]
ontime5	7771.6541768909	Sum of GTIs [s]
ontime6	7771.6131567359	Sum of GTIs [s]
ontime7	7771.6952168941	Sum of GTIs [s]
l2events	86993	Number of level 2 events



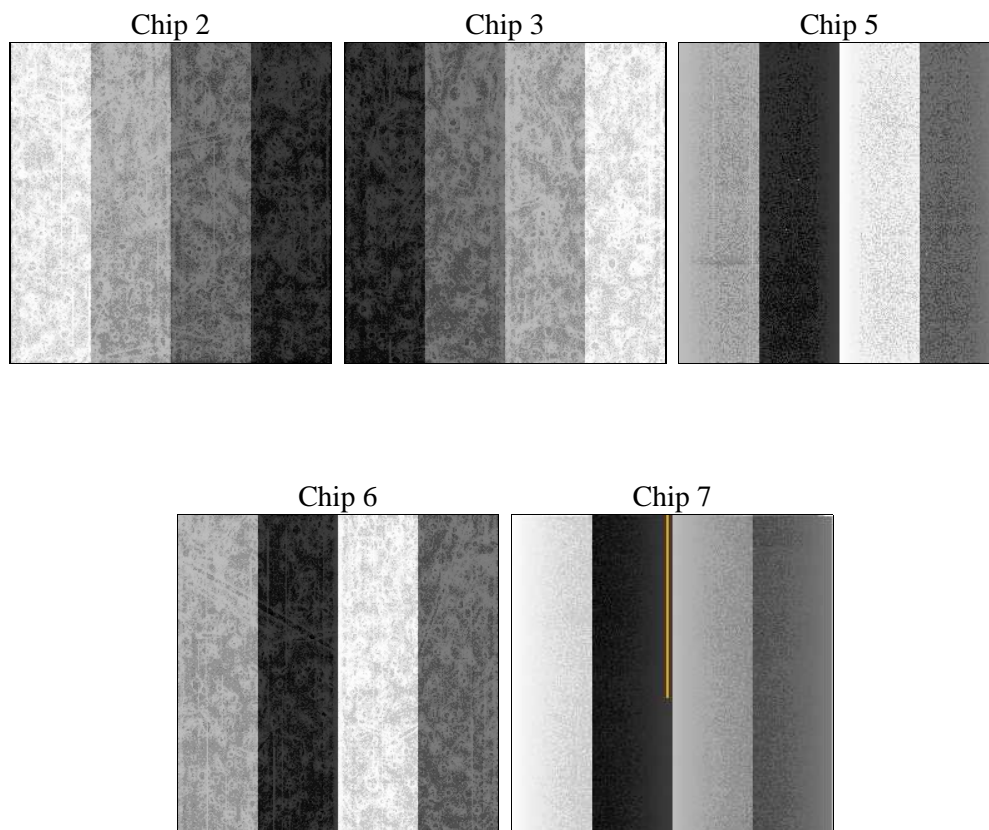
2 OBI

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	8.4.4	Processing system revision	ontime	7771.6952168941	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7771.5310767293	Sum of GTIs [s]
date	2012-05-10T08:11:52	Date and time of file creation	ontime3	7771.5721167326	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7771.6541768909	Sum of GTIs [s]
			ontime6	7771.6131567359	Sum of GTIs [s]
			ontime7	7771.6952168941	Sum of GTIs [s]
			l1events	343934	Number of level 1 events

2.1.4 Events

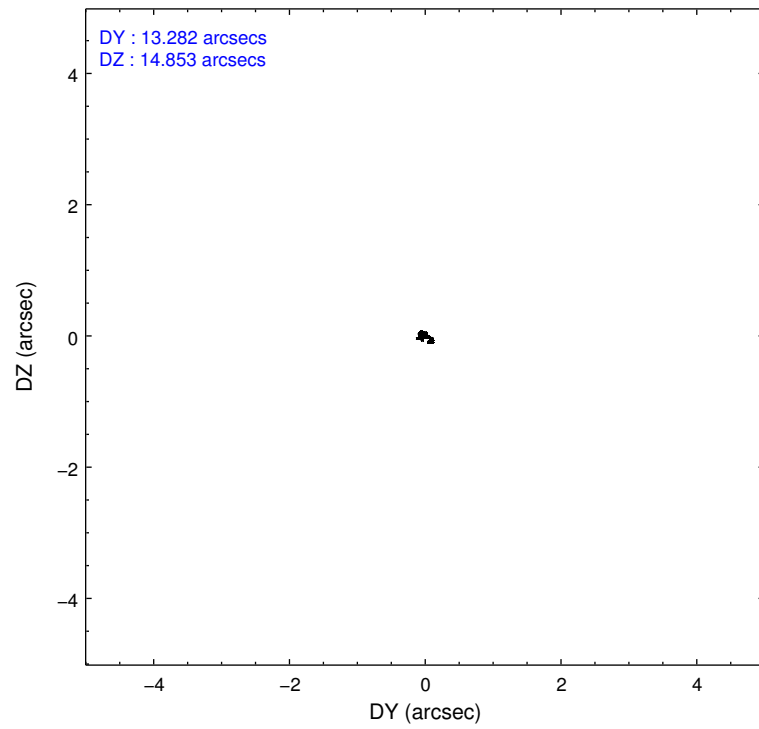
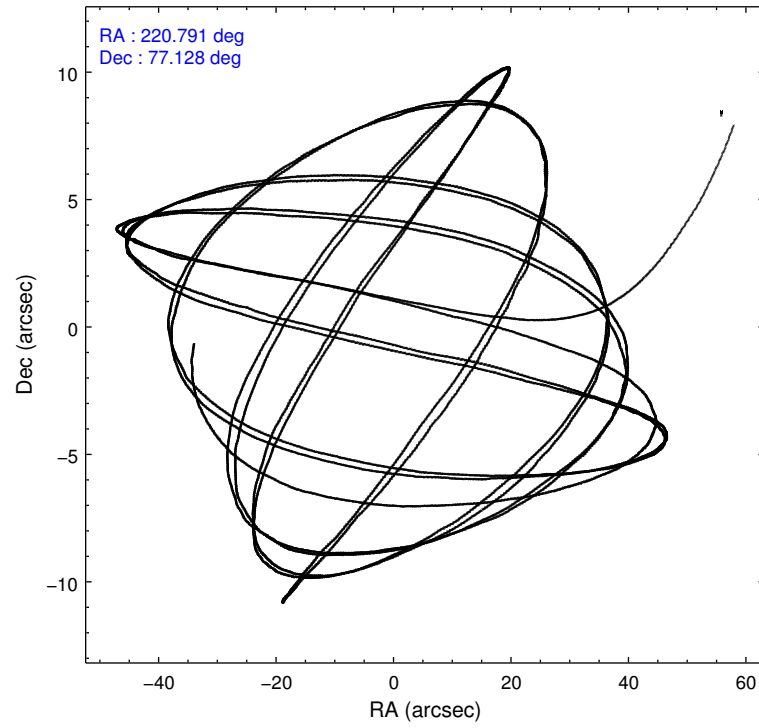
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	65197	59145	85855	63646	70091
rejected events	59221	53376	44415	57015	38426
rejected %	90%	90%	51%	89%	54%

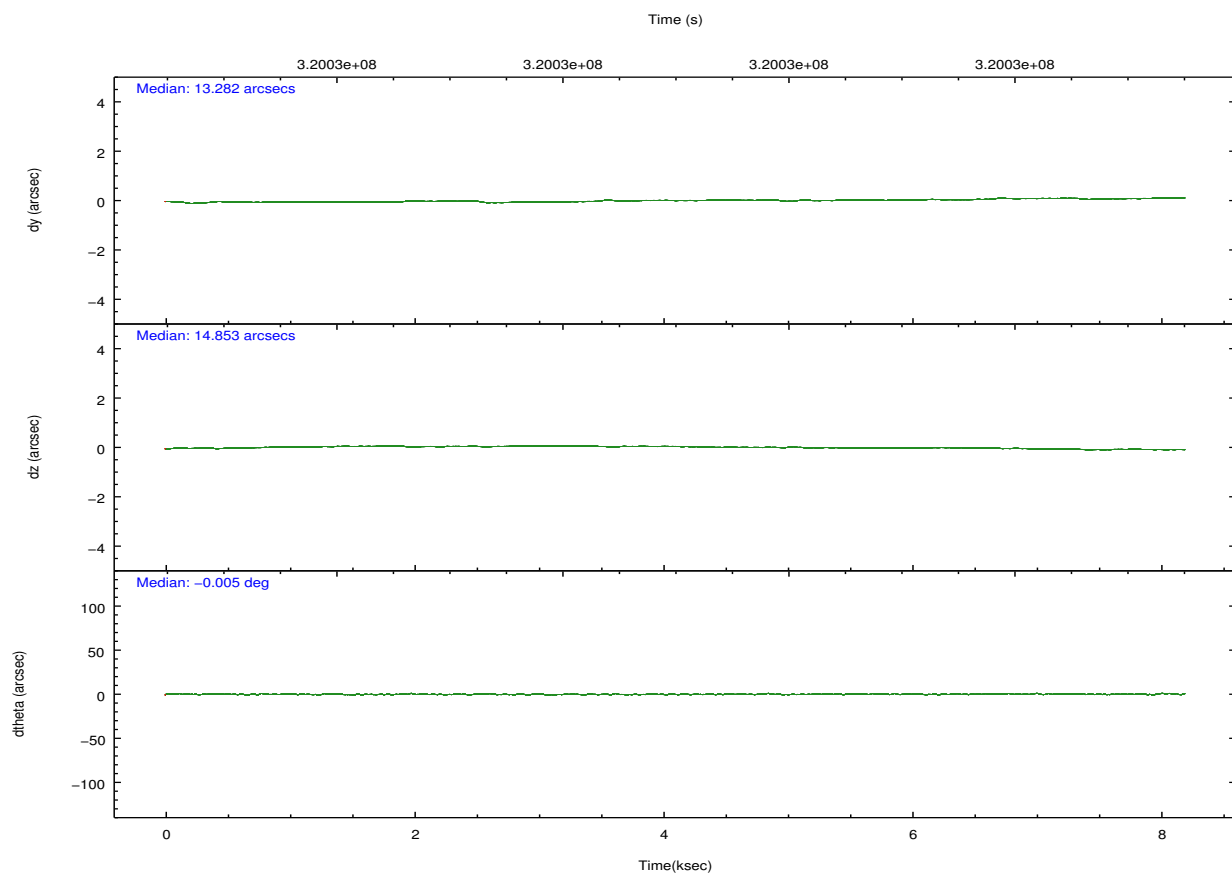
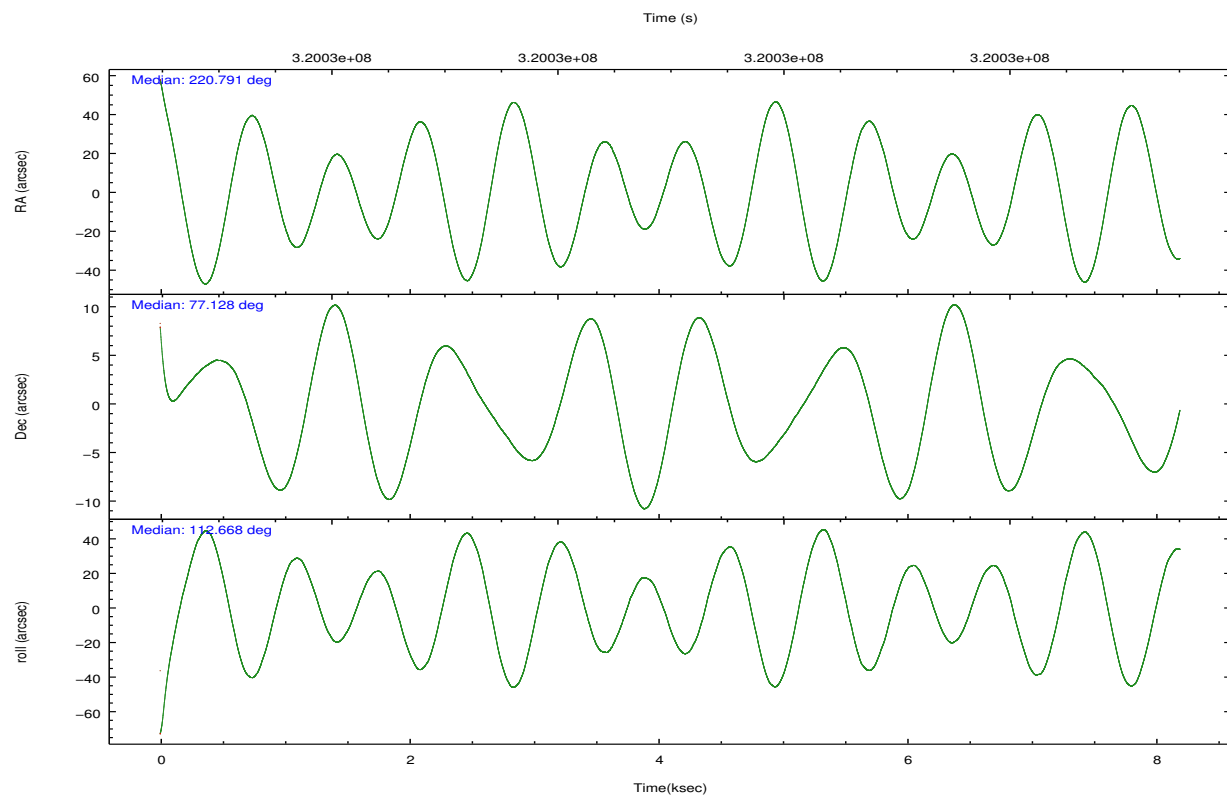
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2140	2061	2827	2324	3058
	3%	3%	3%	3%	4%
grade 1 events	32	42	142	31	86
	0%	0%	0%	0%	0%
grade 2 events	1453	1224	12675	1474	6564
	2%	2%	14%	2%	9%
grade 3 events	632	671	1763	732	2892
	0%	1%	2%	1%	4%
grade 4 events	654	666	1649	672	2826
	1%	1%	1%	1%	4%
grade 5 events	1966	2416	6722	2509	7338
	3%	4%	7%	3%	10%
grade 6 events	1105	1152	22555	1433	16346
	1%	1%	26%	2%	23%
grade 7 events	57215	50913	37522	54471	30981
	87%	86%	43%	85%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	220.889110	220.7905939272297	CCD I2 on	Y	Y
[deg] Pointing Dec	77.111519	77.12781845482533	CCD I3 on	Y	Y
[deg] Pointing Roll	112.421260	112.6738906781874	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	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	N	N
[s] Observation start time (MET)	320025081.184000	320024250.39568	CCD S5 on	N	N
Observation start date	2008-02-21T23:50:16	2008-02-21T23:37:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	320033081.184000	320034002.24615	On-chip summing requested	N	N
Observation end date	2008-02-22T02:03:36	2008-02-22T02:20:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



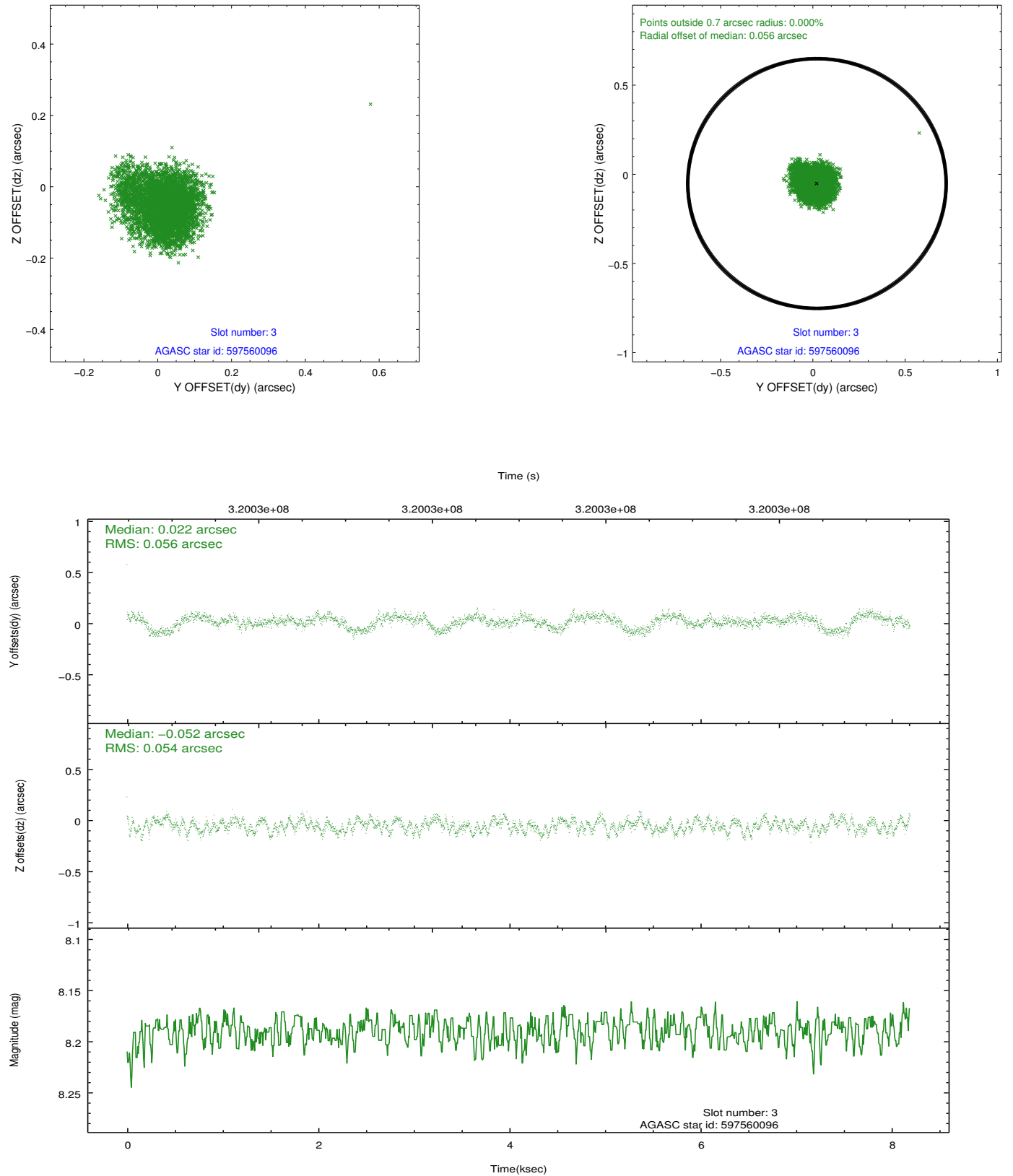


Slot Statistics

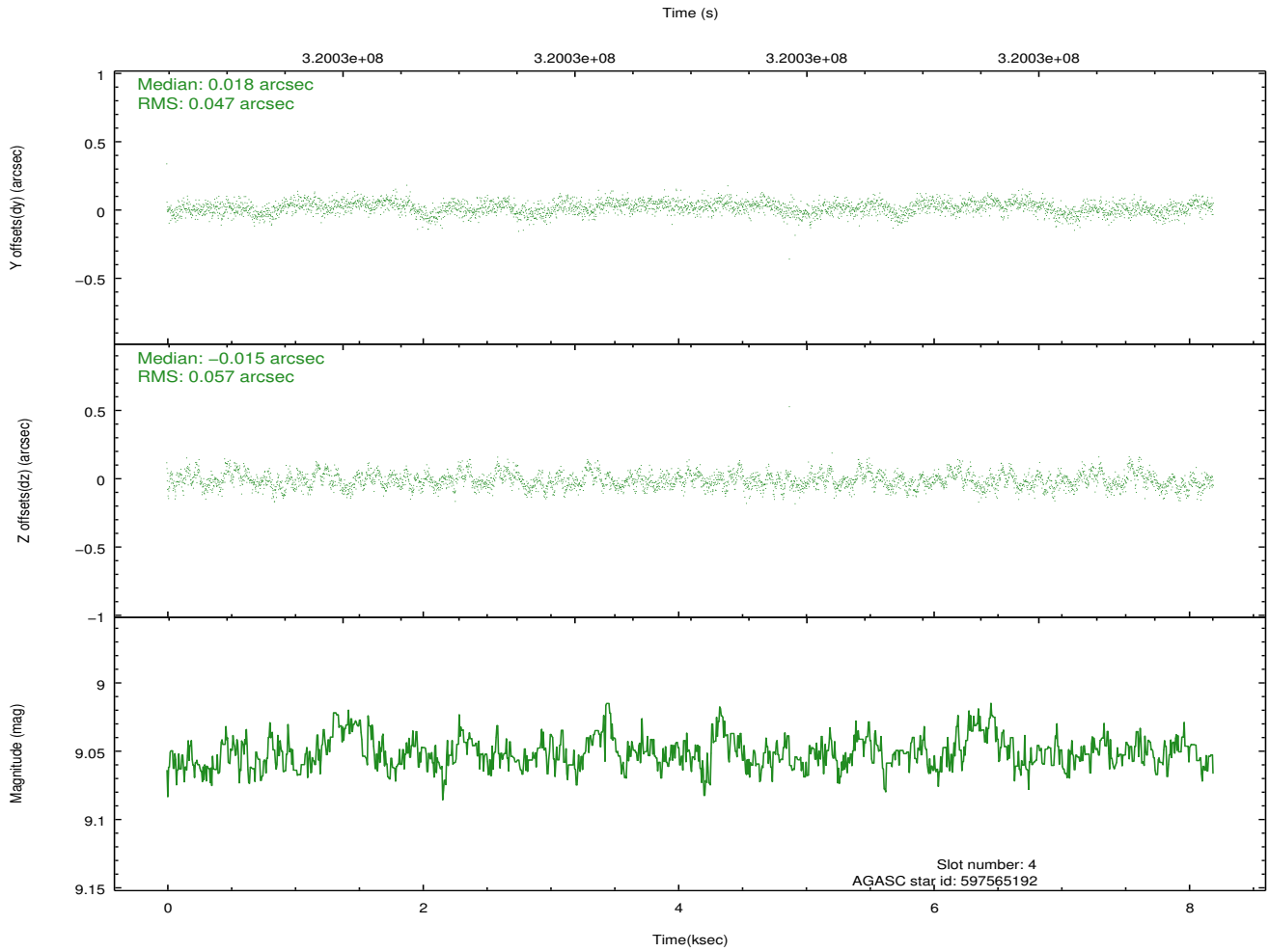
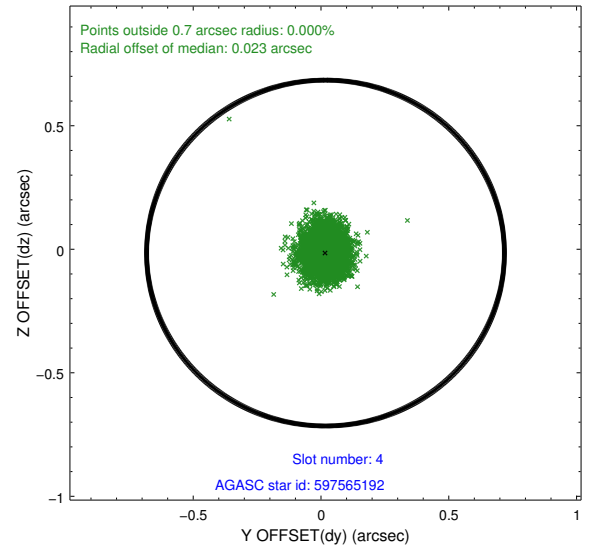
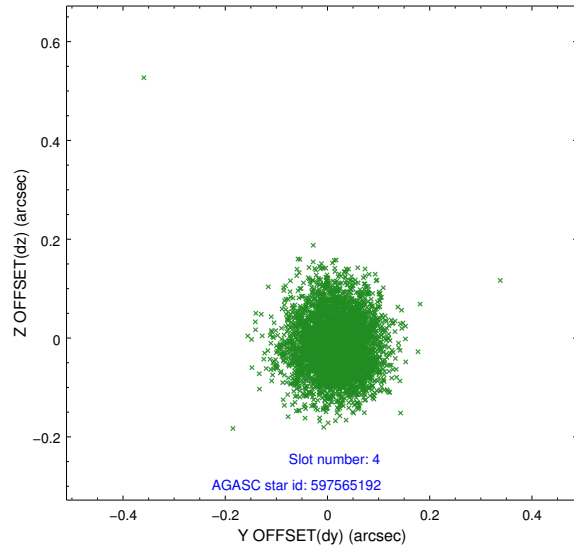
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1999	-0.057	-0.042	0.007	0.011	0.000000	0.000000	-766.23	-1736.23
1	FID	ACIS-S-4	7.19	1999	0.183	0.038	0.005	0.010	0.000000	0.000000	2146.94	171.67
2	FID	ACIS-S-5	7.22	1999	-0.158	0.012	0.006	0.011	0.000000	0.000000	-1818.33	166.03
3	GUIDE	597560096	8.19	3995	0.022	-0.052	0.084	0.128	222.943002	77.411446	410.08	-1911.89
4	GUIDE	597565192	9.05	3995	0.018	-0.015	0.079	0.127	221.887129	76.820918	-1272.89	-361.04
5	GUIDE	597565320	9.18	3995	-0.016	-0.062	0.095	0.152	222.810215	77.471518	648.70	-1890.28
6	GUIDE	597565792	9.02	3996	-0.097	0.025	0.077	0.122	217.210172	77.343370	1962.24	2328.00
7	GUIDE	597560480	9.65	3995	0.088	0.104	0.101	0.171	222.087900	76.541881	-2268.44	-149.61

2.4 Star Slots

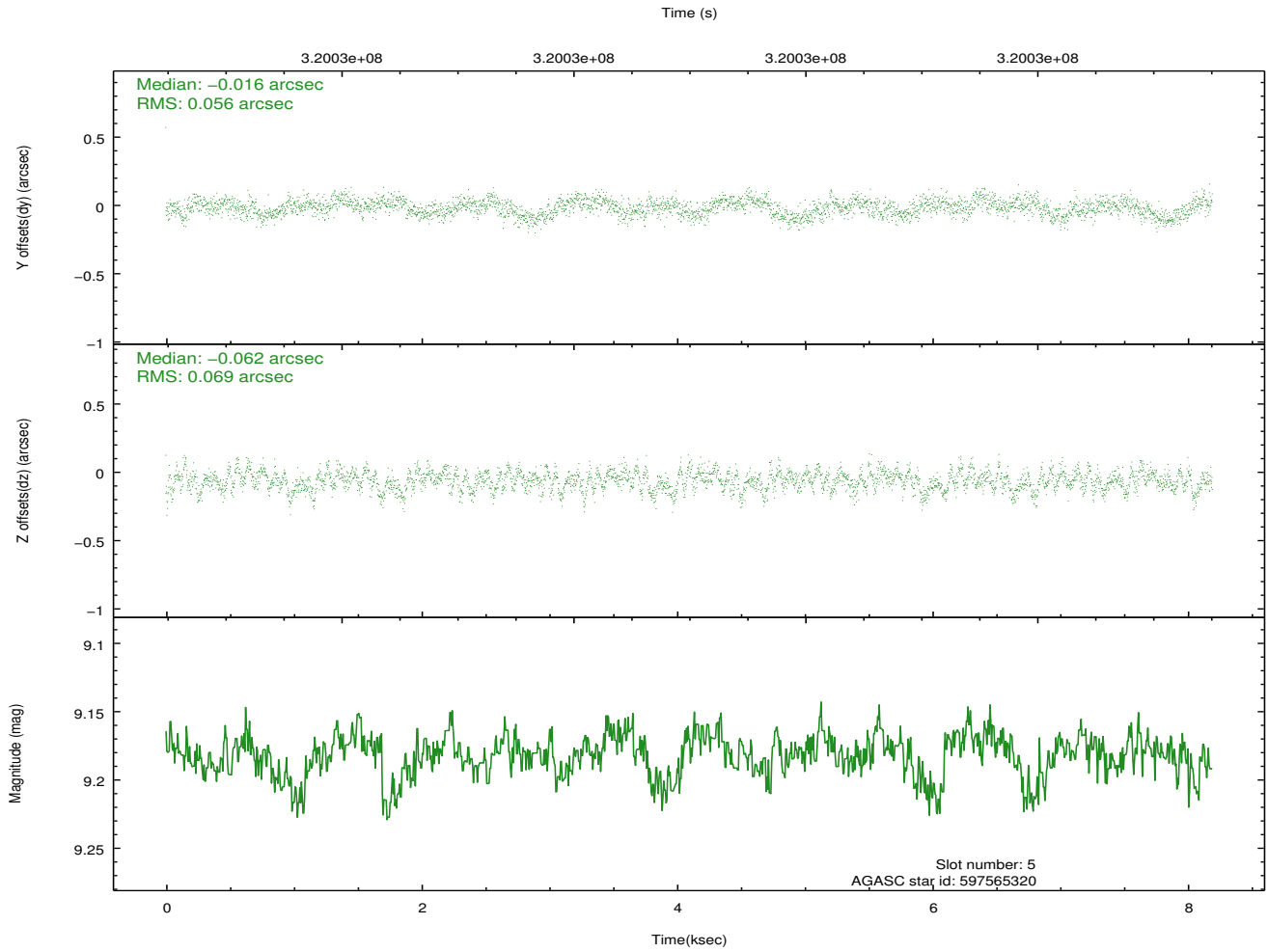
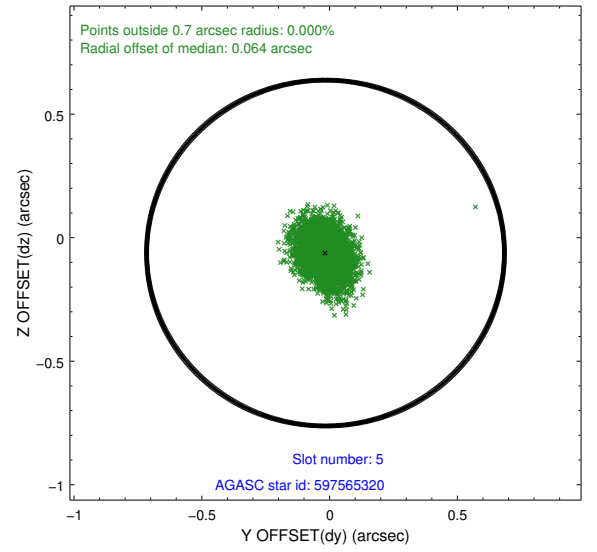
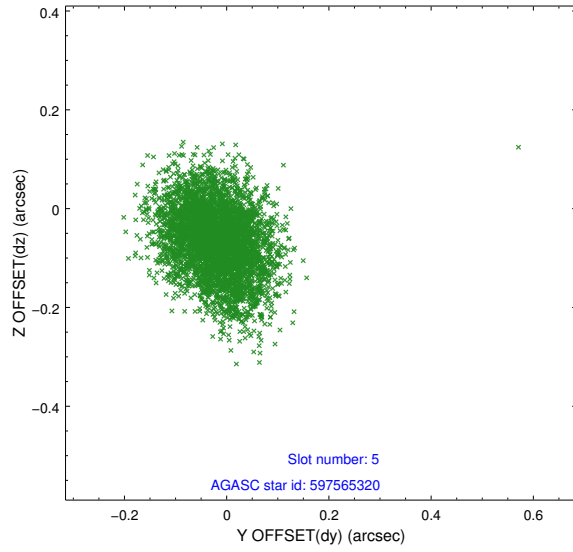
2.4.1 Slot 3



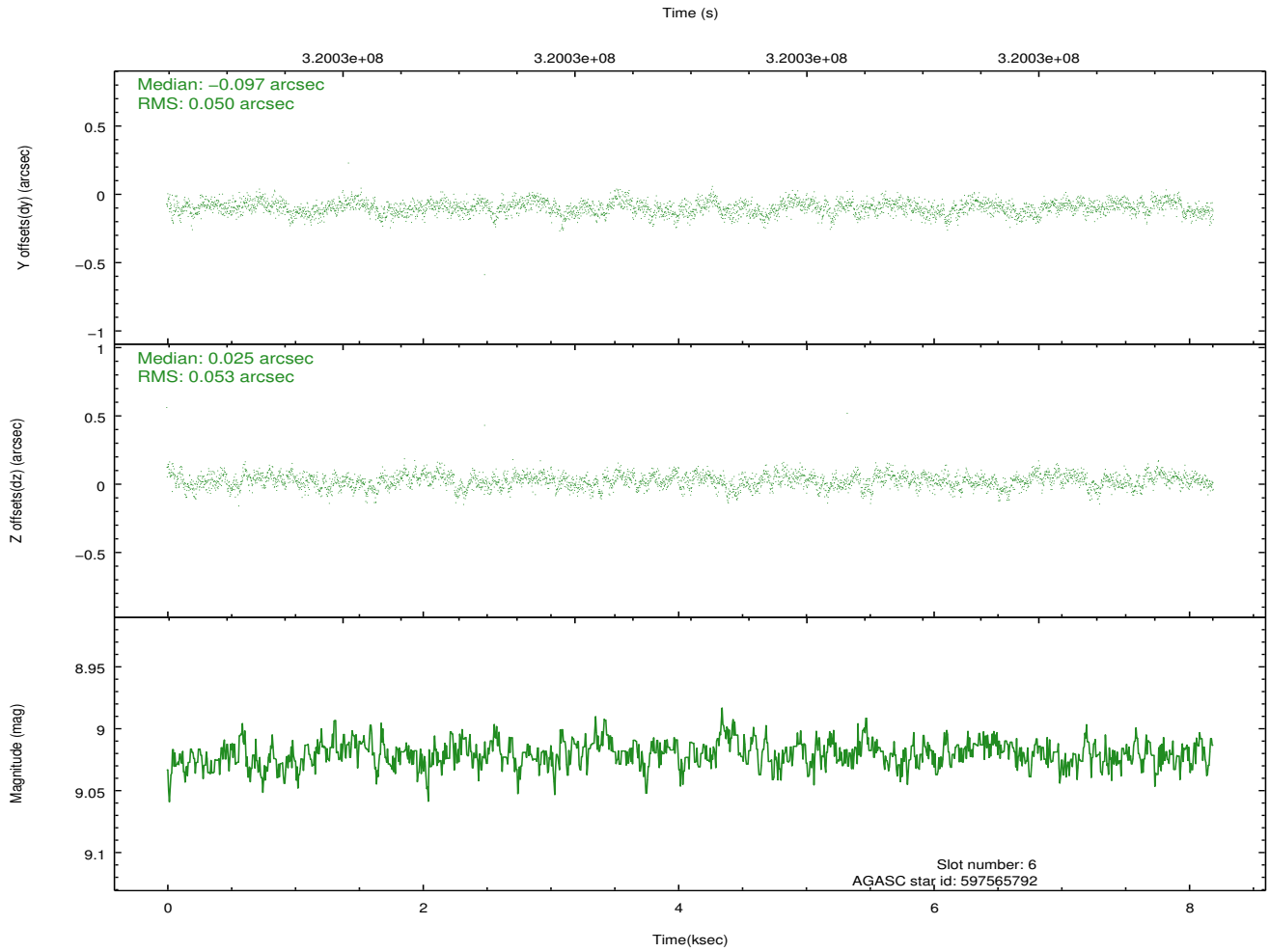
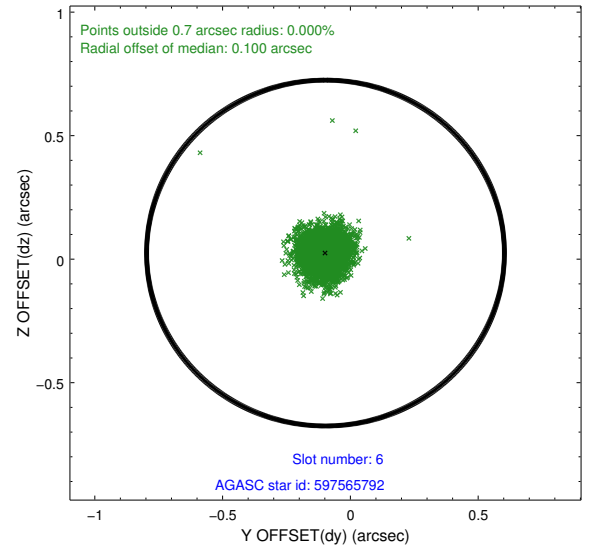
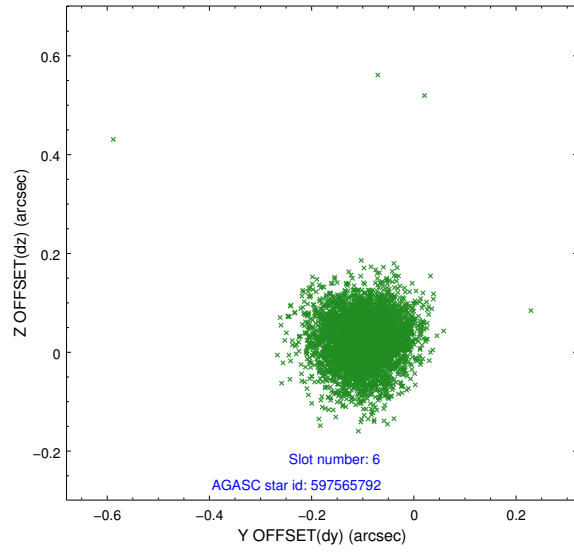
2.4.2 Slot 4



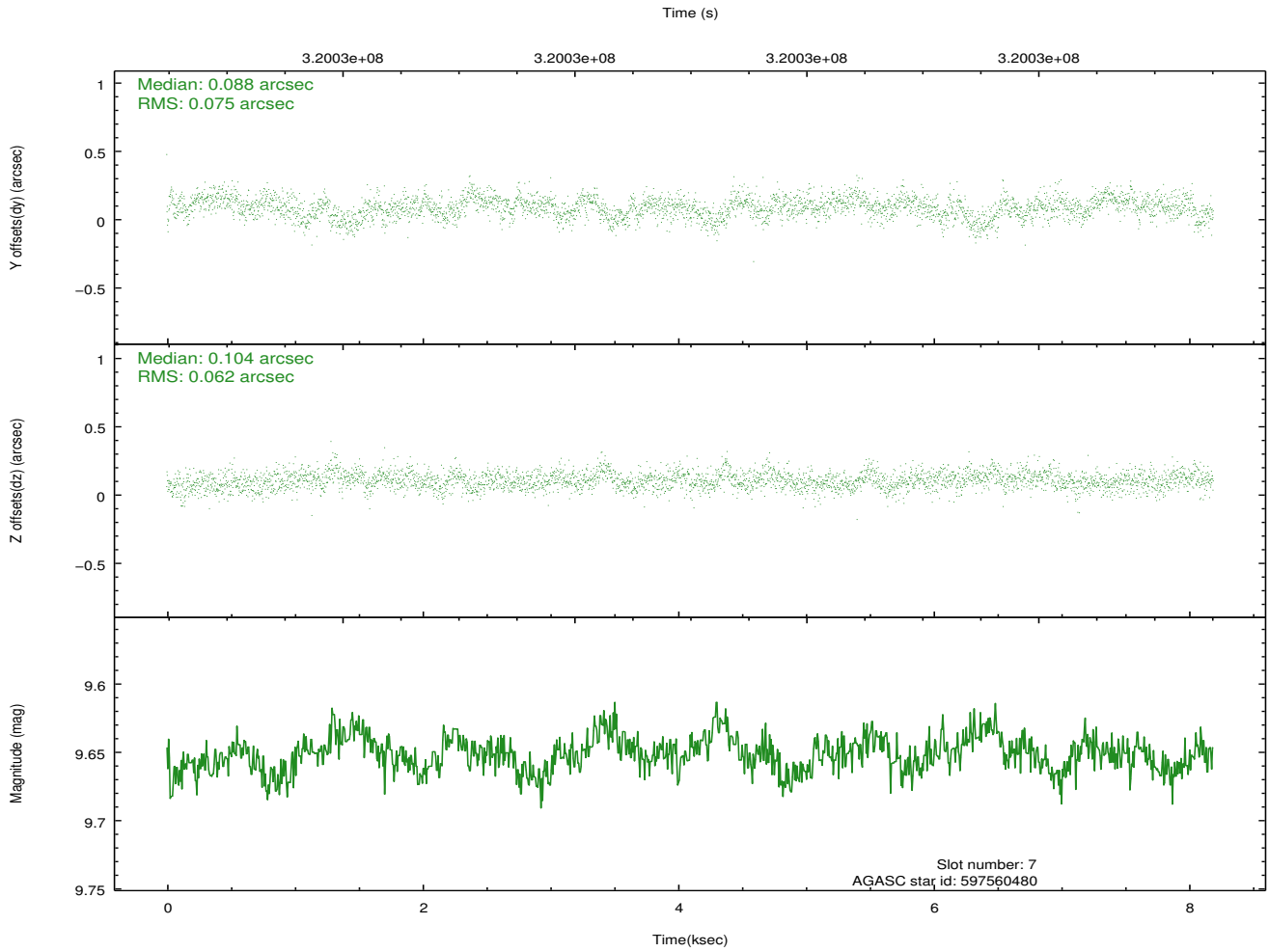
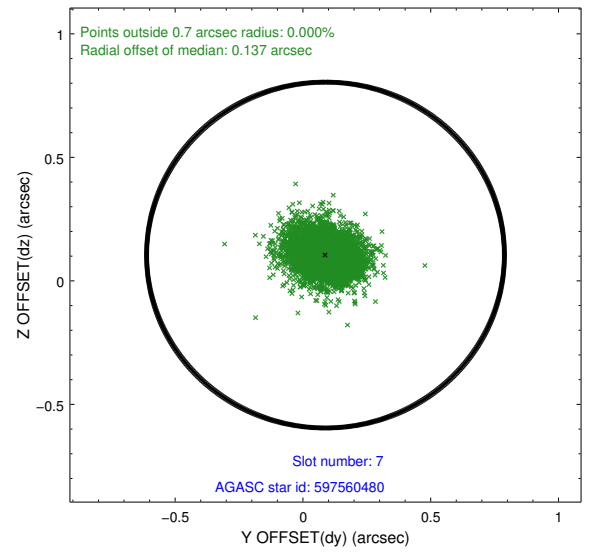
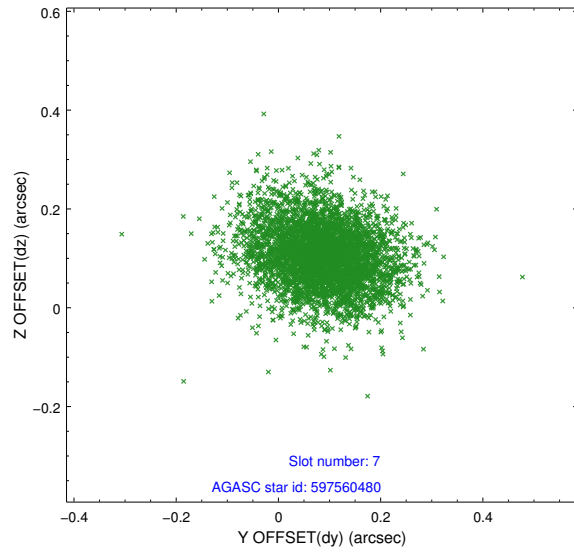
2.4.3 Slot 5



2.4.4 Slot 6

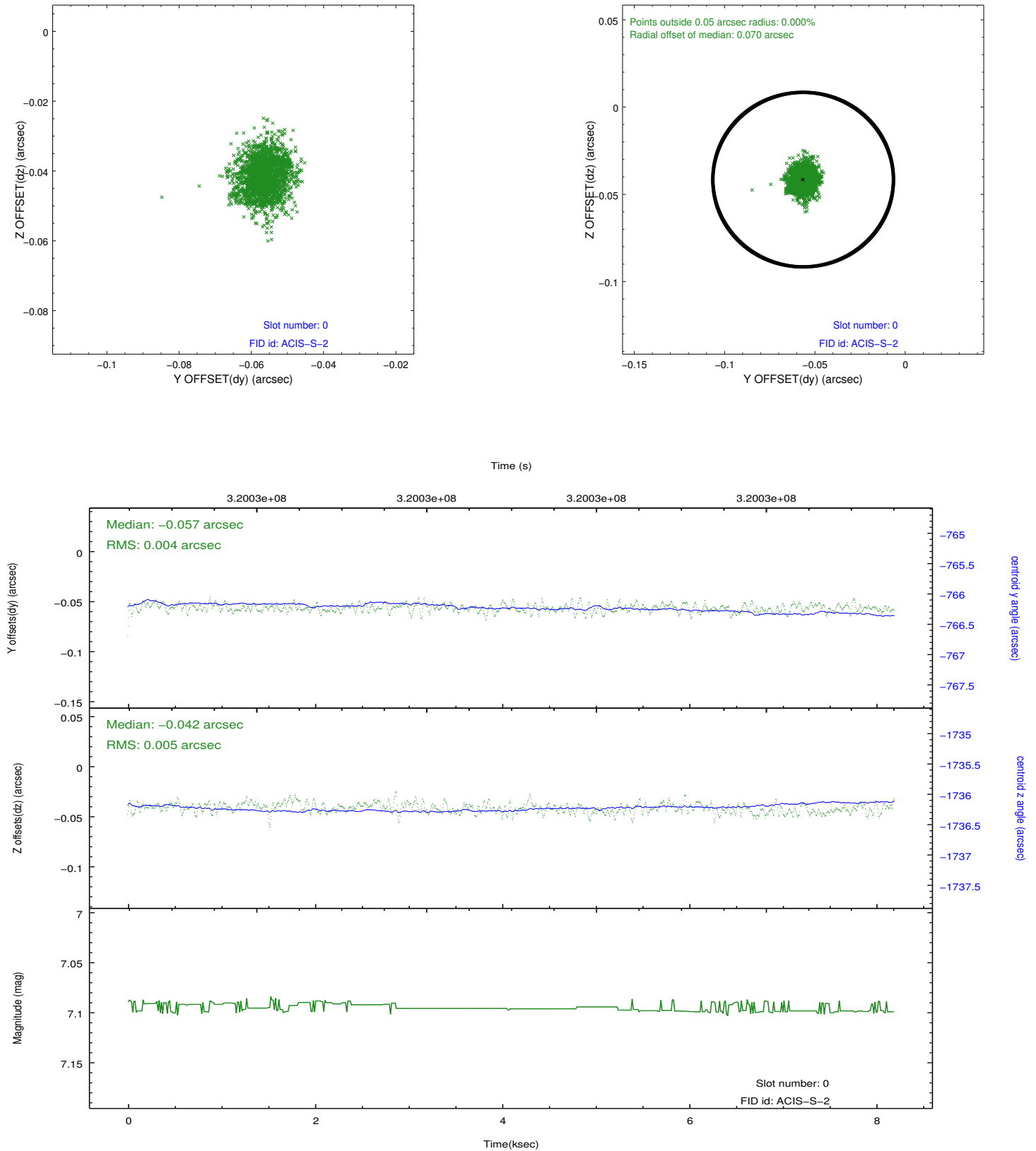


2.4.5 Slot 7

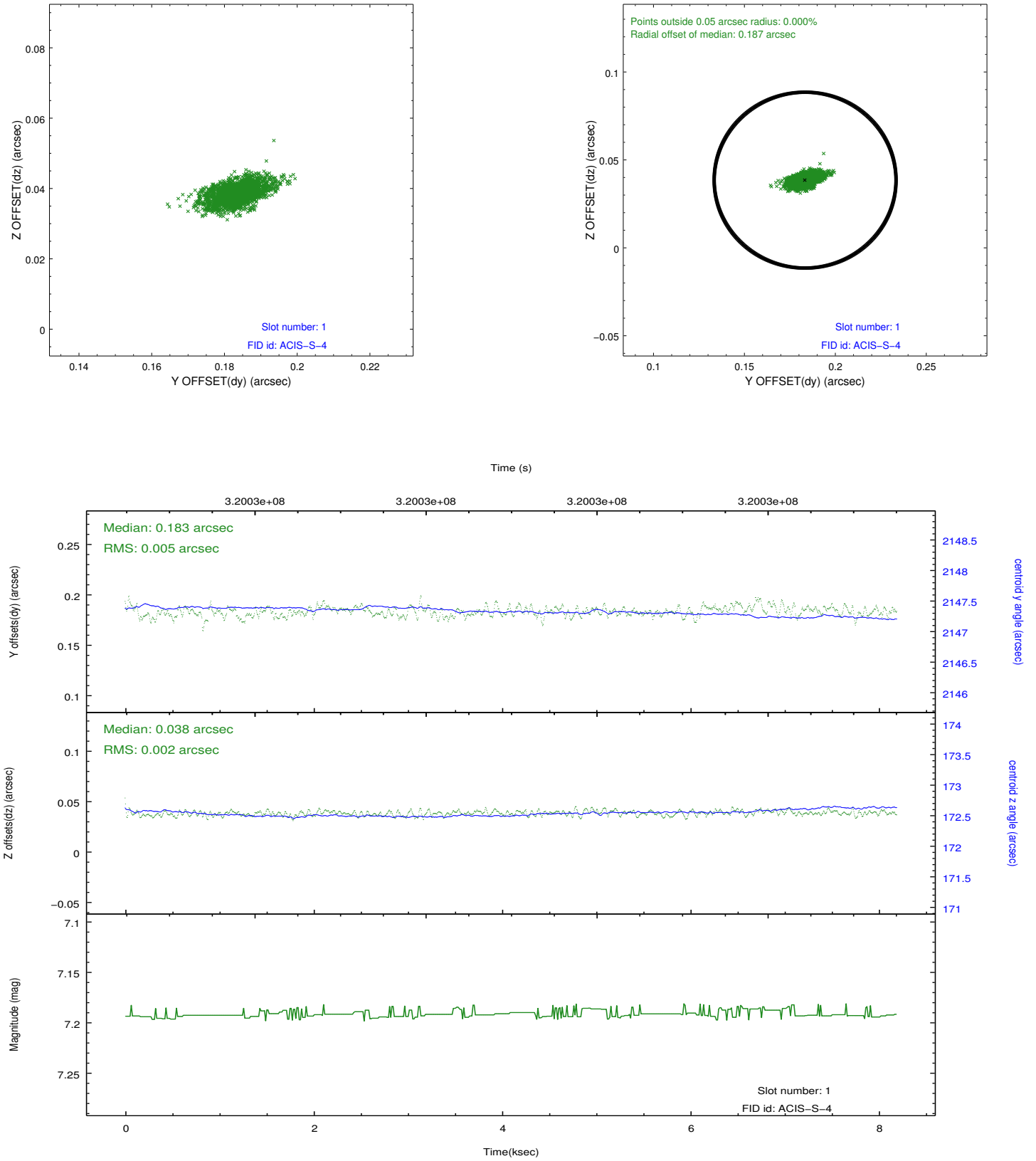


2.5 FID Slots

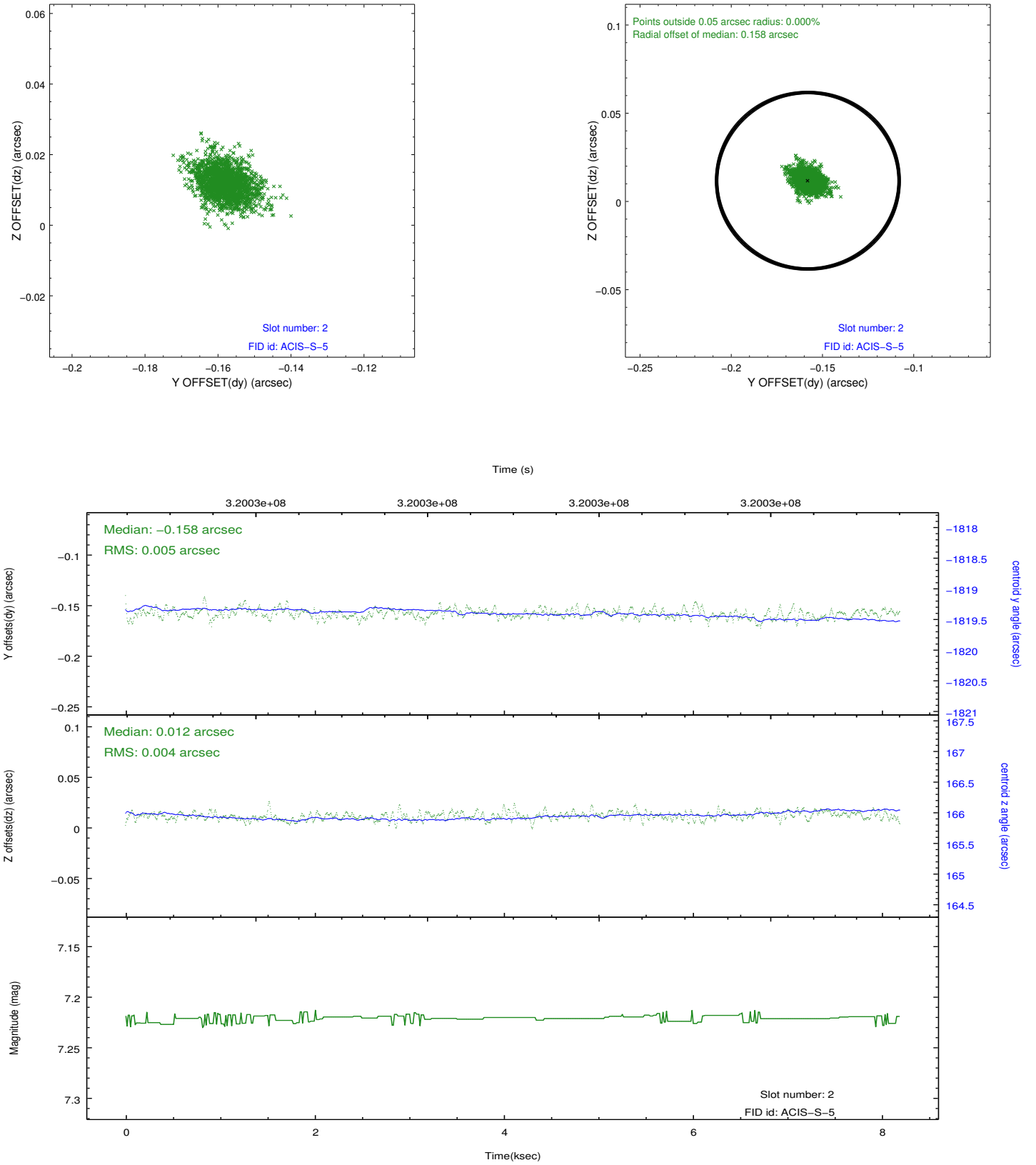
2.5.1 Slot 0



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)	2012.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.77170005

A.2 Comments