

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11583 - L2 Version 2
Chandra X-Ray Center

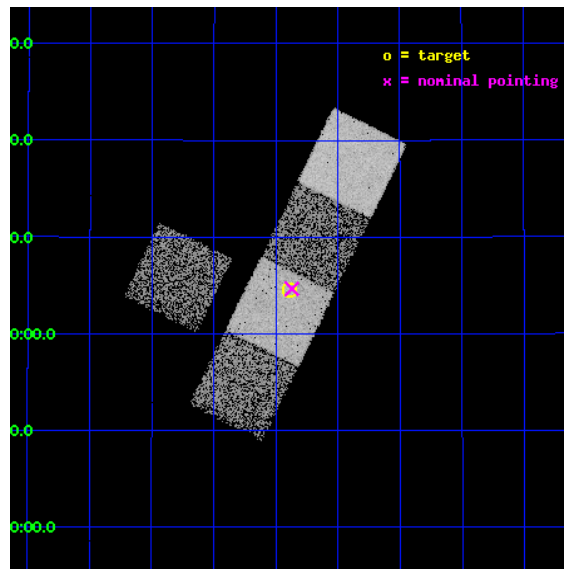
L2 Processing Date : Jun 22 2012

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1 Front

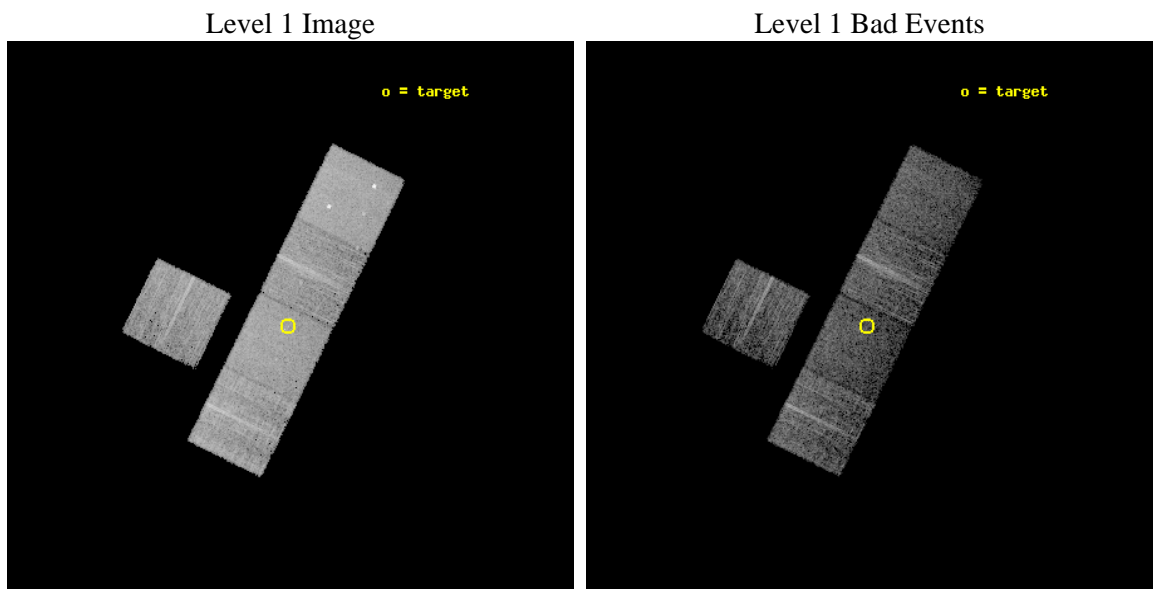
seq_num	702169	Sequence number
obs_id	11583	Observation id
title	X-ray Obscured Broad-line AGN	Proposal title
observer	Dr. Jennifer Donley	Principal investigator
object	AXJ131054+3004	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.7225	Observer's specified target RA [deg]
dec_targ	30.075	Observer's specified target Dec [deg]
ra_nom	197.71777032815	Nominal RA [deg]
dec_nom	30.077619336908	Nominal Dec [deg]
roll_nom	116.18710366208	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5034.1247527003	Sum of GTIs [s]
livetime	4968.3502067376	Livetime [s]
ontime3	5034.0016326904	Sum of GTIs [s]
ontime5	5034.083712697	Sum of GTIs [s]
ontime6	5034.0426726937	Sum of GTIs [s]
ontime7	5034.1247527003	Sum of GTIs [s]
ontime8	5030.8195623159	Sum of GTIs [s]
l2events	62628	Number of level 2 events



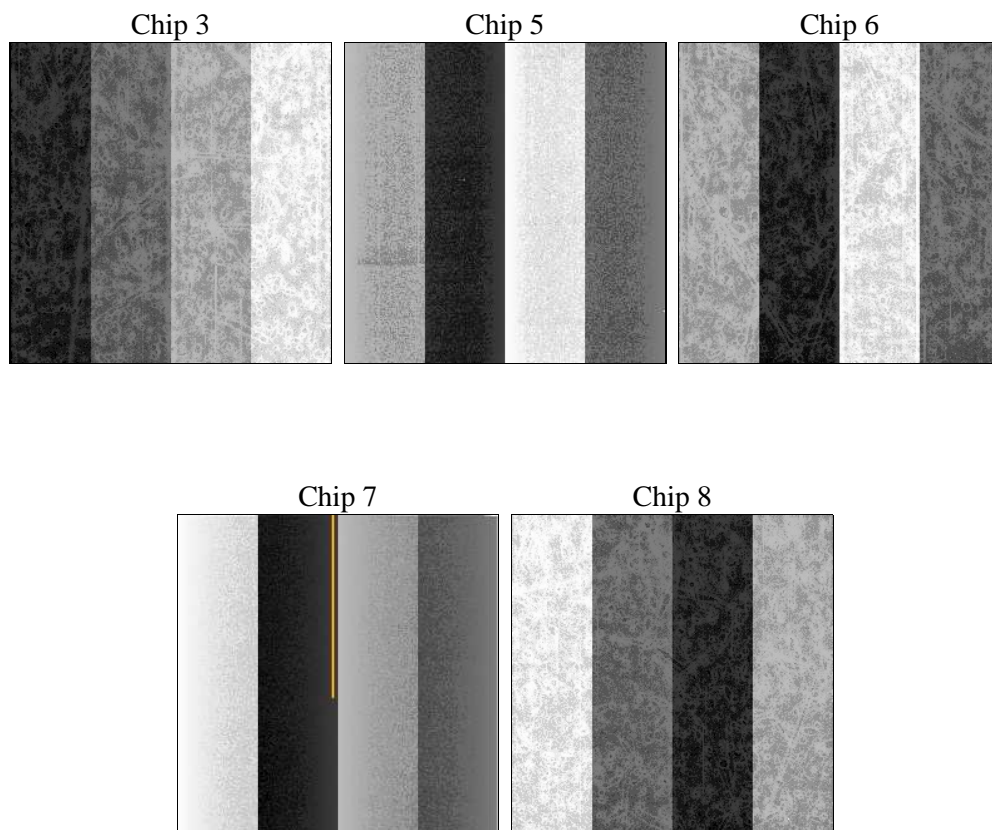
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5034.1247527003	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	5034.0016326904	Sum of GTIs [s]
date	2012-06-22T03:27:51	Date and time of file creation	ontime5	5034.083712697	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5034.0426726937	Sum of GTIs [s]
			ontime7	5034.1247527003	Sum of GTIs [s]
			ontime8	5030.8195623159	Sum of GTIs [s]
			l1events	248349	Number of level 1 events

2.1.4 Events

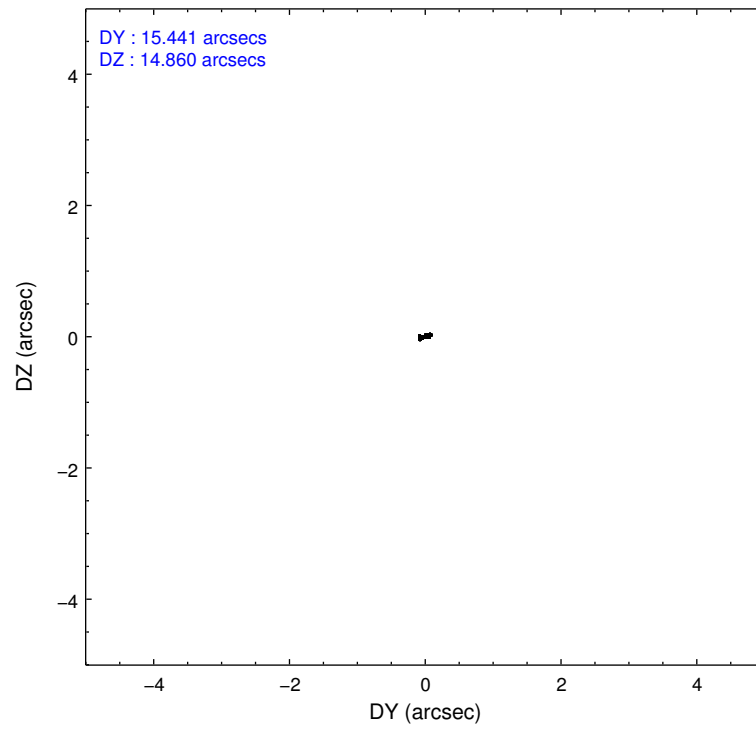
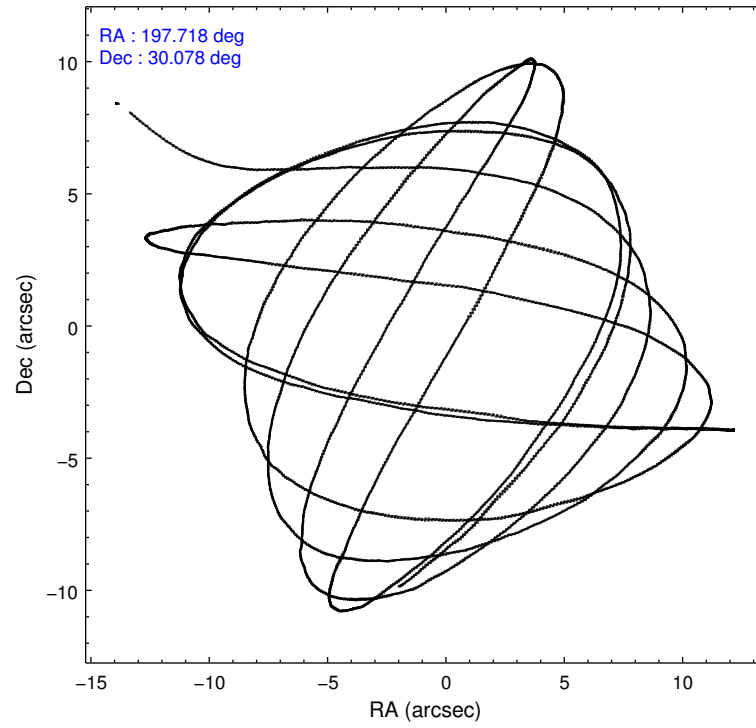
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40030	63431	42334	49650	52904
rejected events	35969	30865	37636	27220	39515
rejected %	89%	48%	88%	54%	74%

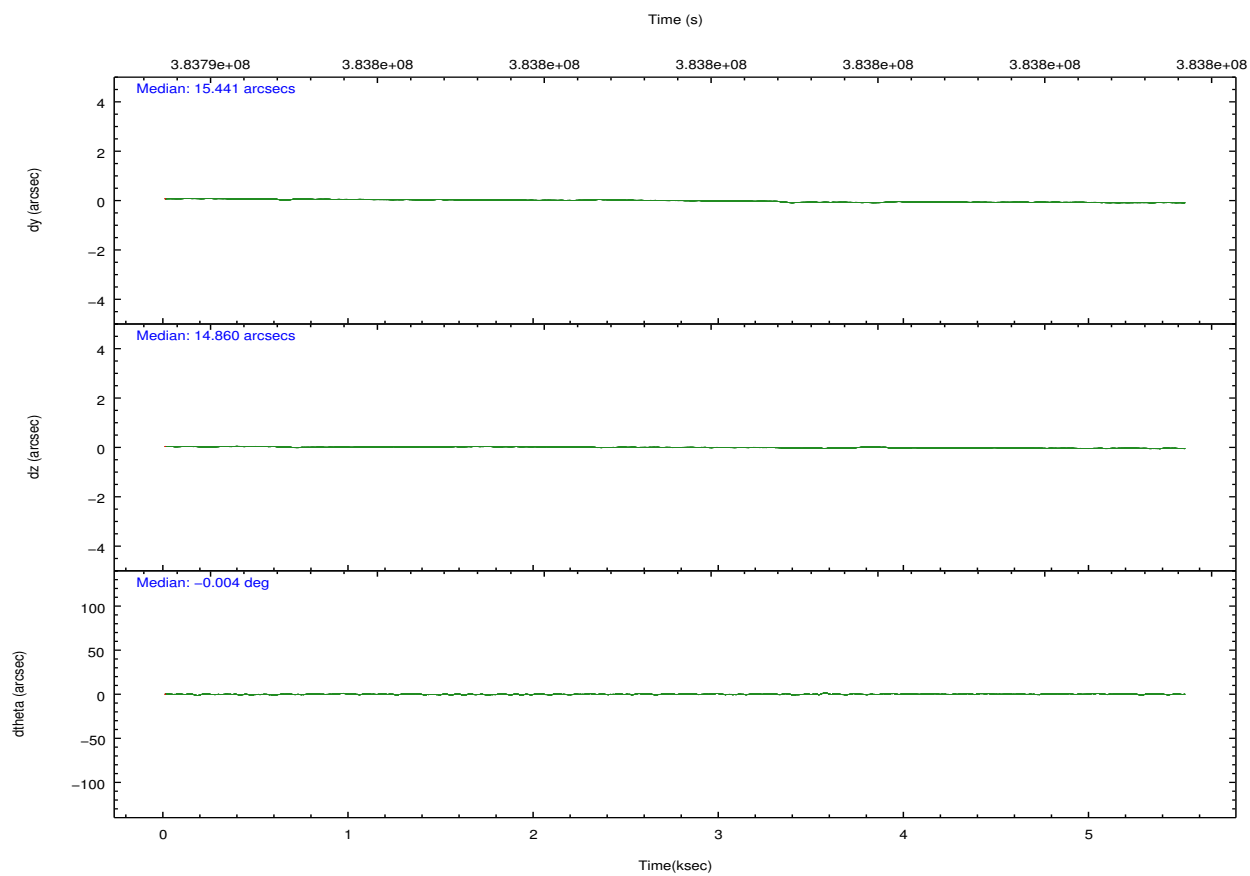
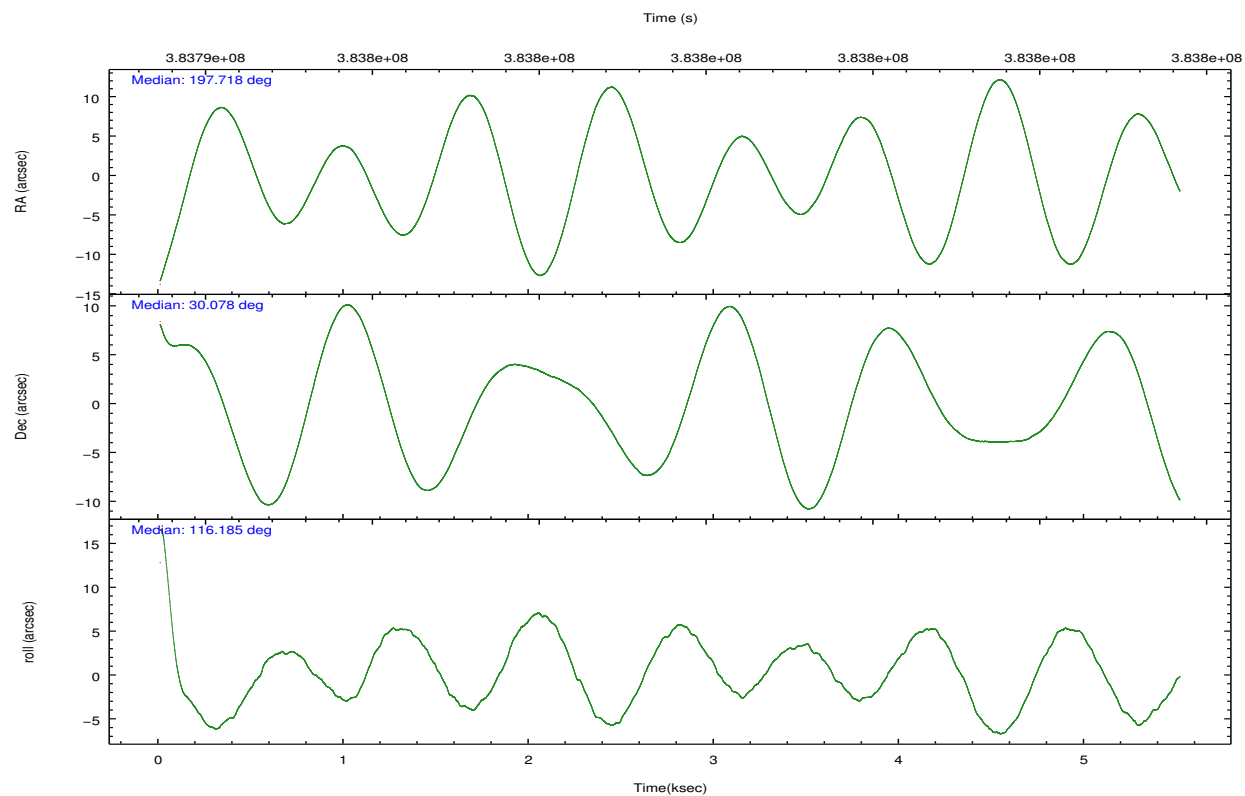
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1373	4073	1630	2011	3902
	3%	6%	3%	4%	7%
grade 1 events	20	116	28	59	43
	0%	0%	0%	0%	0%
grade 2 events	924	10131	1070	4624	3168
	2%	15%	2%	9%	5%
grade 3 events	459	1192	485	2013	1426
	1%	1%	1%	4%	2%
grade 4 events	484	1150	486	2053	1348
	1%	1%	1%	4%	2%
grade 5 events	1713	4651	1742	5208	2554
	4%	7%	4%	10%	4%
grade 6 events	821	16041	1030	11743	3550
	2%	25%	2%	23%	6%
grade 7 events	34236	26077	35863	21939	36913
	85%	41%	84%	44%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	197.744246	197.7177703281502	CCD I2 on	N	N
[deg] Pointing Dec	30.062678	30.07761933690786	CCD I3 on	O1	Y
[deg] Pointing Roll	116.017177	116.1871036620778	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	383794538.184000	383793452.14509	CCD S5 on	N	N
Observation start date	2010-03-01T01:34:32	2010-03-01T01:17:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	383799538.184000	383800246.35794	On-chip summing requested	N	N
Observation end date	2010-03-01T02:57:52	2010-03-01T03:10:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



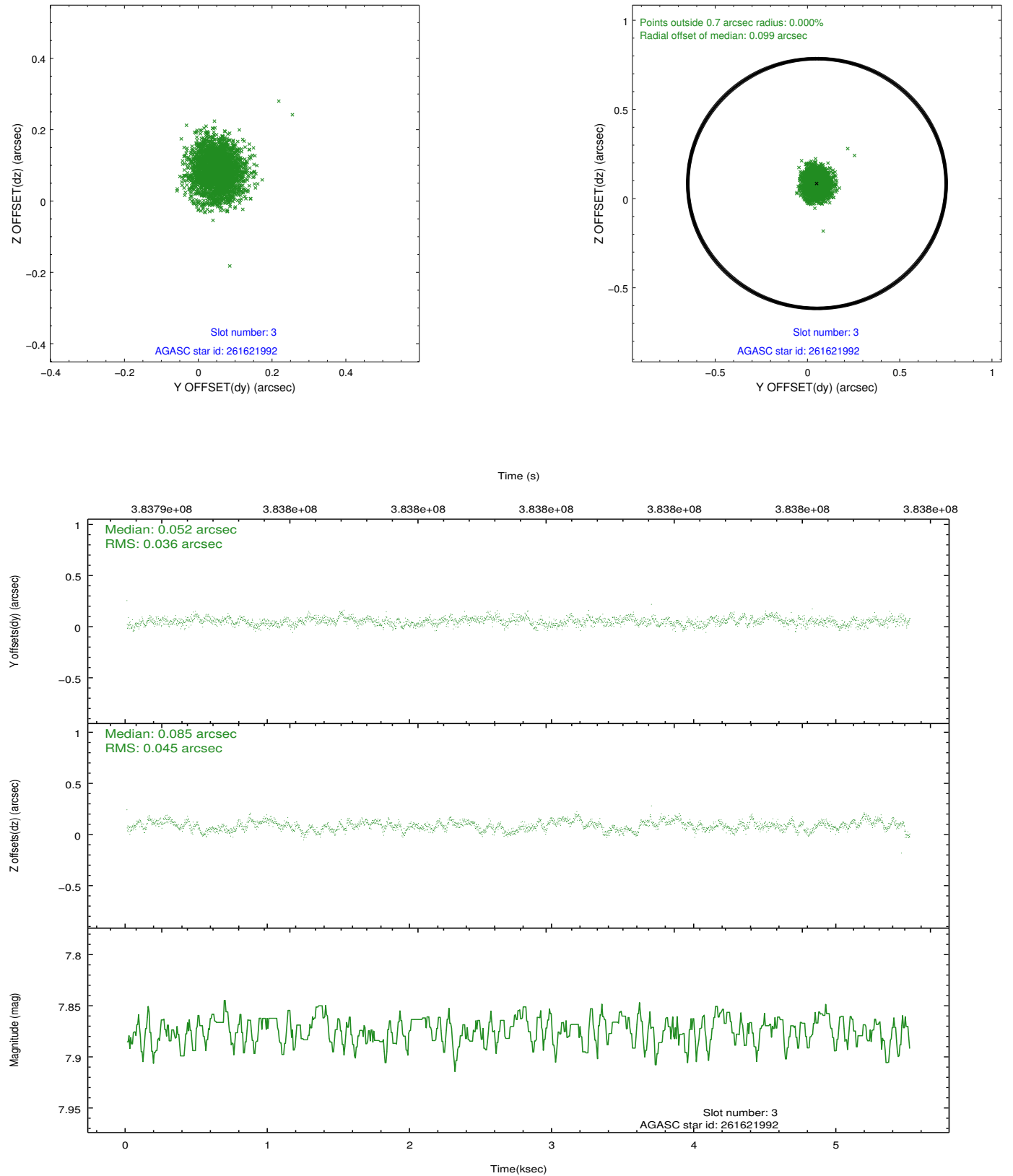


Slot Statistics

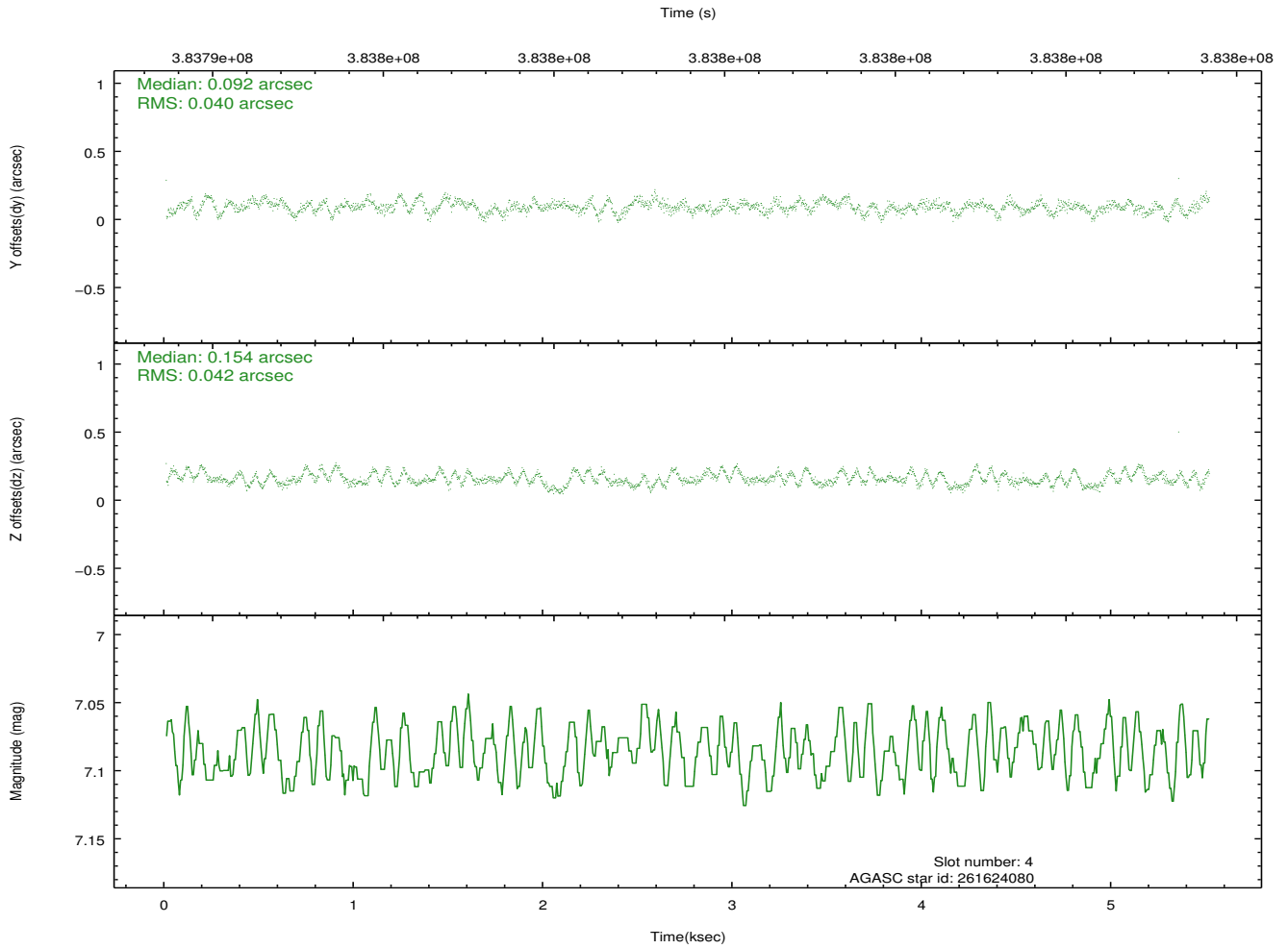
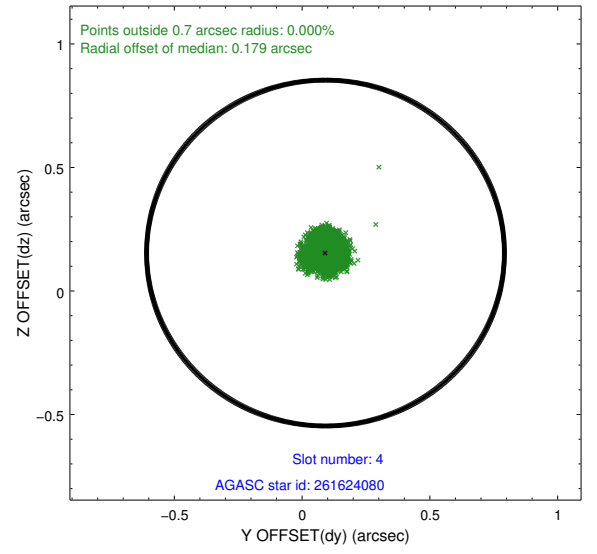
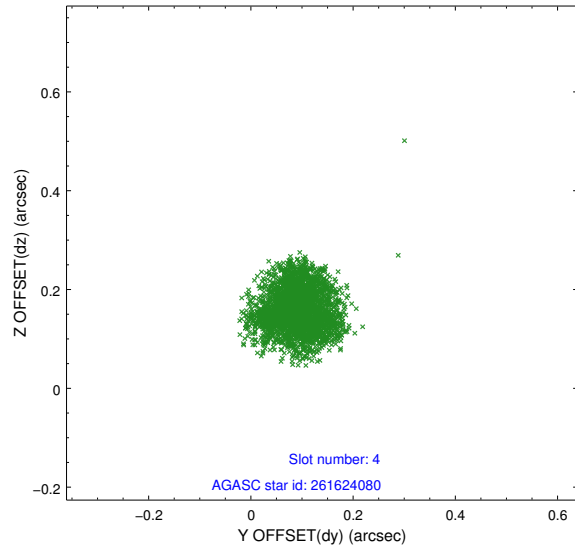
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1344	-0.094	-0.018	0.006	0.011	0.000000	0.000000	-768.49	-1736.26
1	FID	ACIS-S-4	7.02	1344	0.175	0.050	0.005	0.010	0.000000	0.000000	2144.54	171.18
2	FID	ACIS-S-5	7.05	1344	-0.113	-0.023	0.006	0.010	0.000000	0.000000	-1819.97	165.99
3	GUIDE	261621992	7.87	2688	0.052	0.085	0.062	0.098	198.061487	29.976241	-712.22	-752.84
4	GUIDE	261624080	7.09	2687	0.092	0.154	0.064	0.096	198.424651	29.817768	-1719.04	-1525.61
5	GUIDE	261628632	8.30	2685	-0.037	-0.116	0.068	0.110	197.587347	29.443863	-1786.85	1418.54
6	GUIDE	331876568	9.15	2678	-0.036	-0.060	0.077	0.126	197.370519	30.435075	1714.96	454.74
7	GUIDE	331883592	8.42	2686	-0.069	-0.067	0.061	0.097	197.277053	30.243736	1226.33	1018.69

2.4 Star Slots

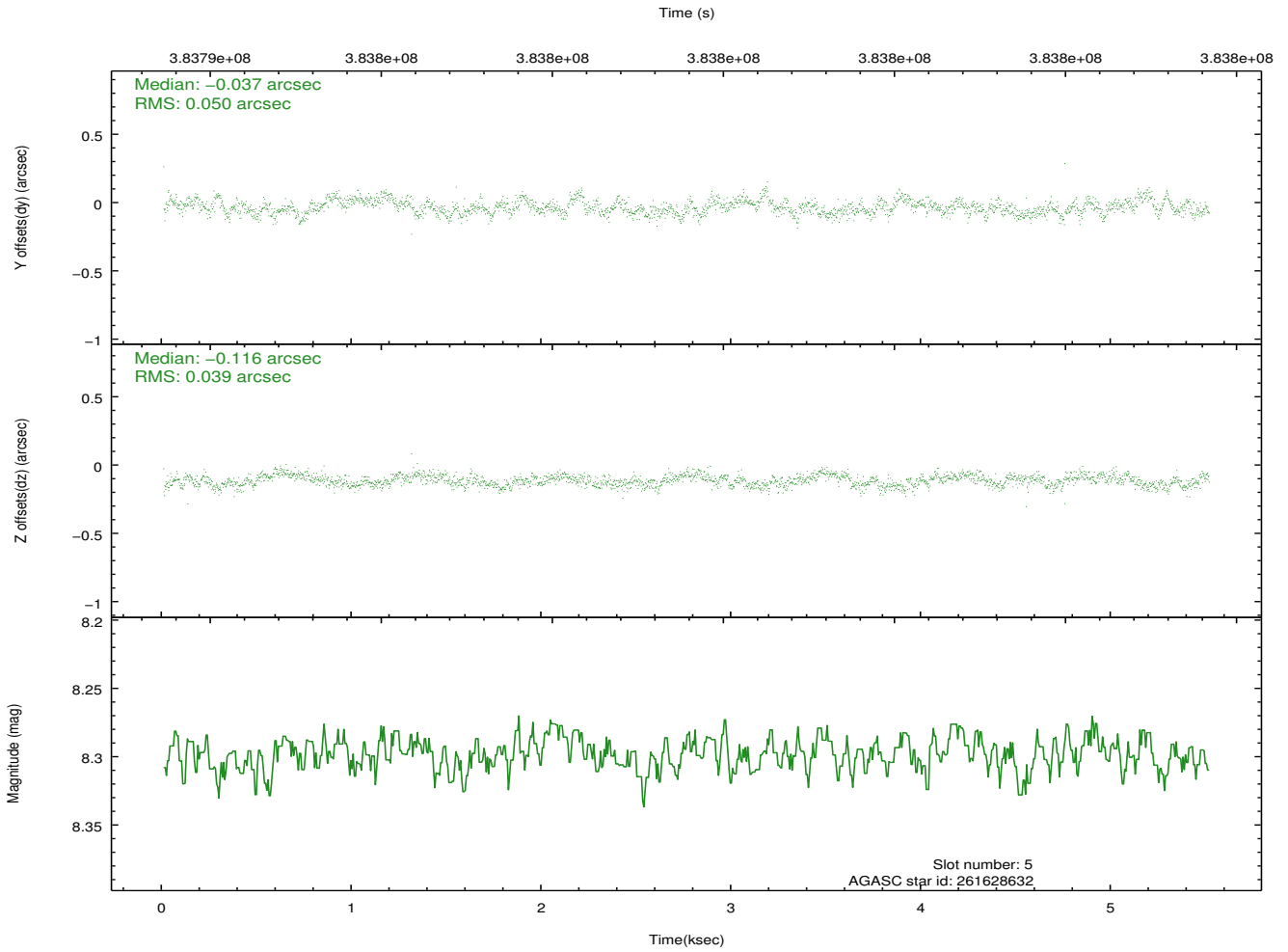
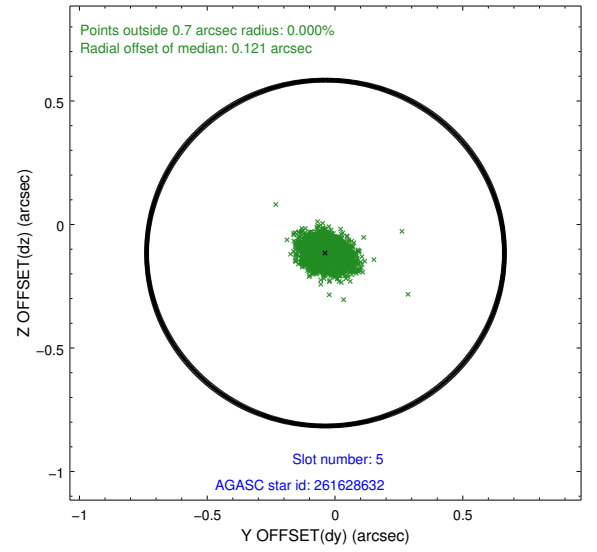
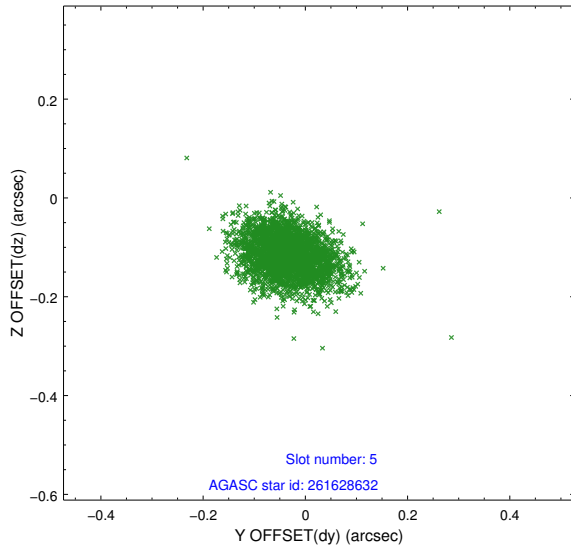
2.4.1 Slot 3



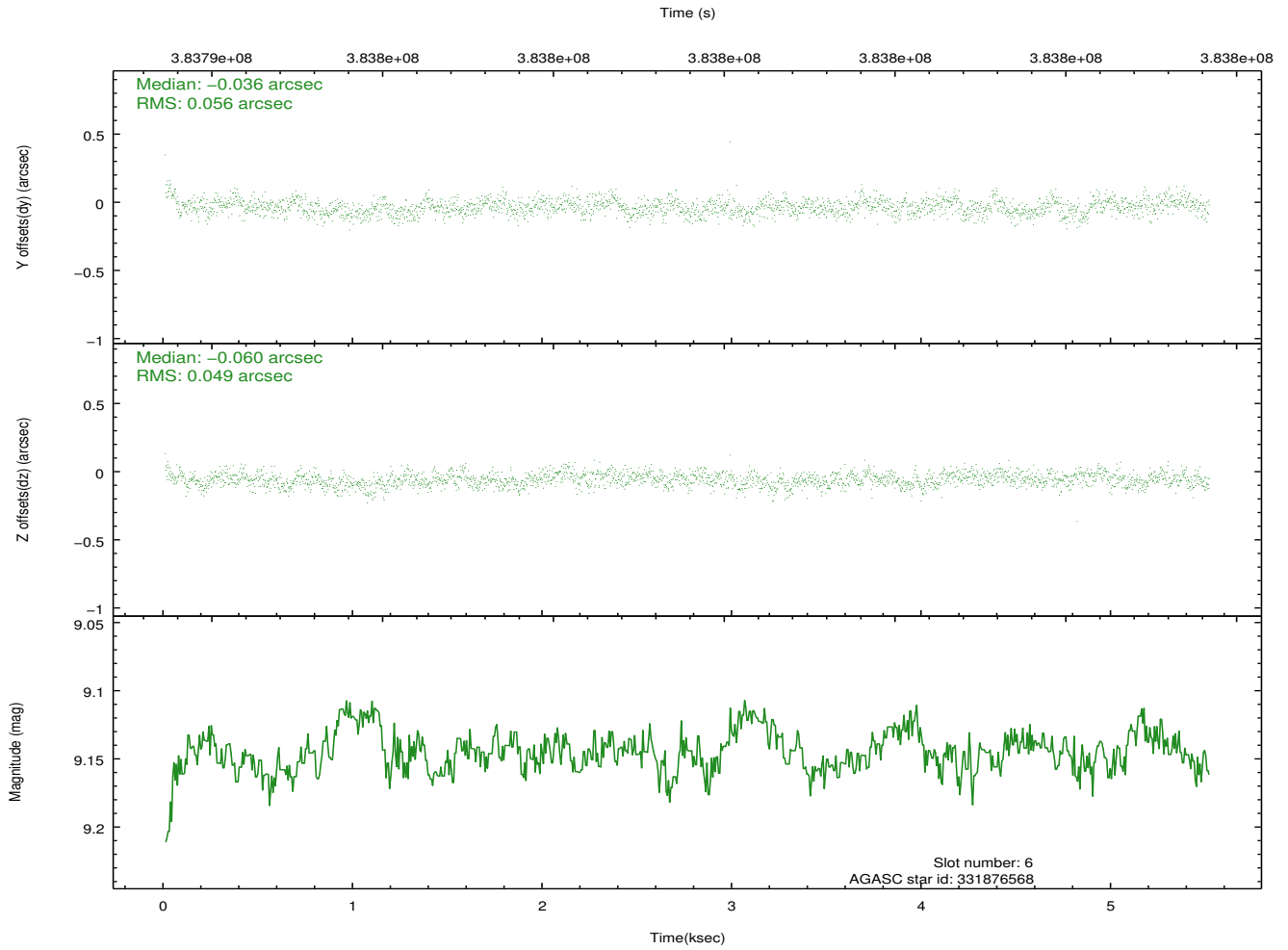
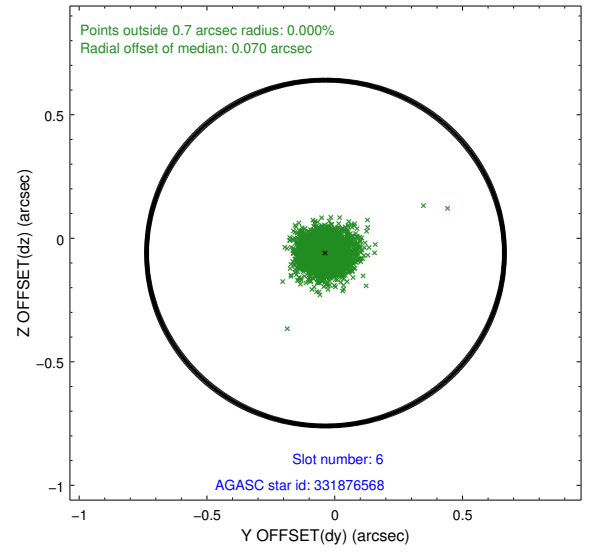
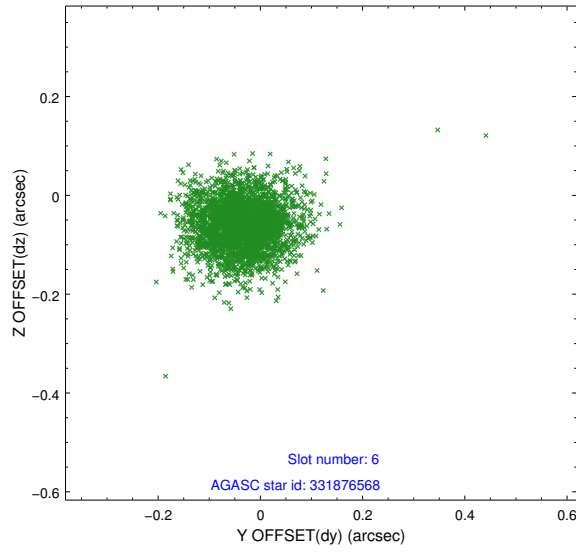
2.4.2 Slot 4



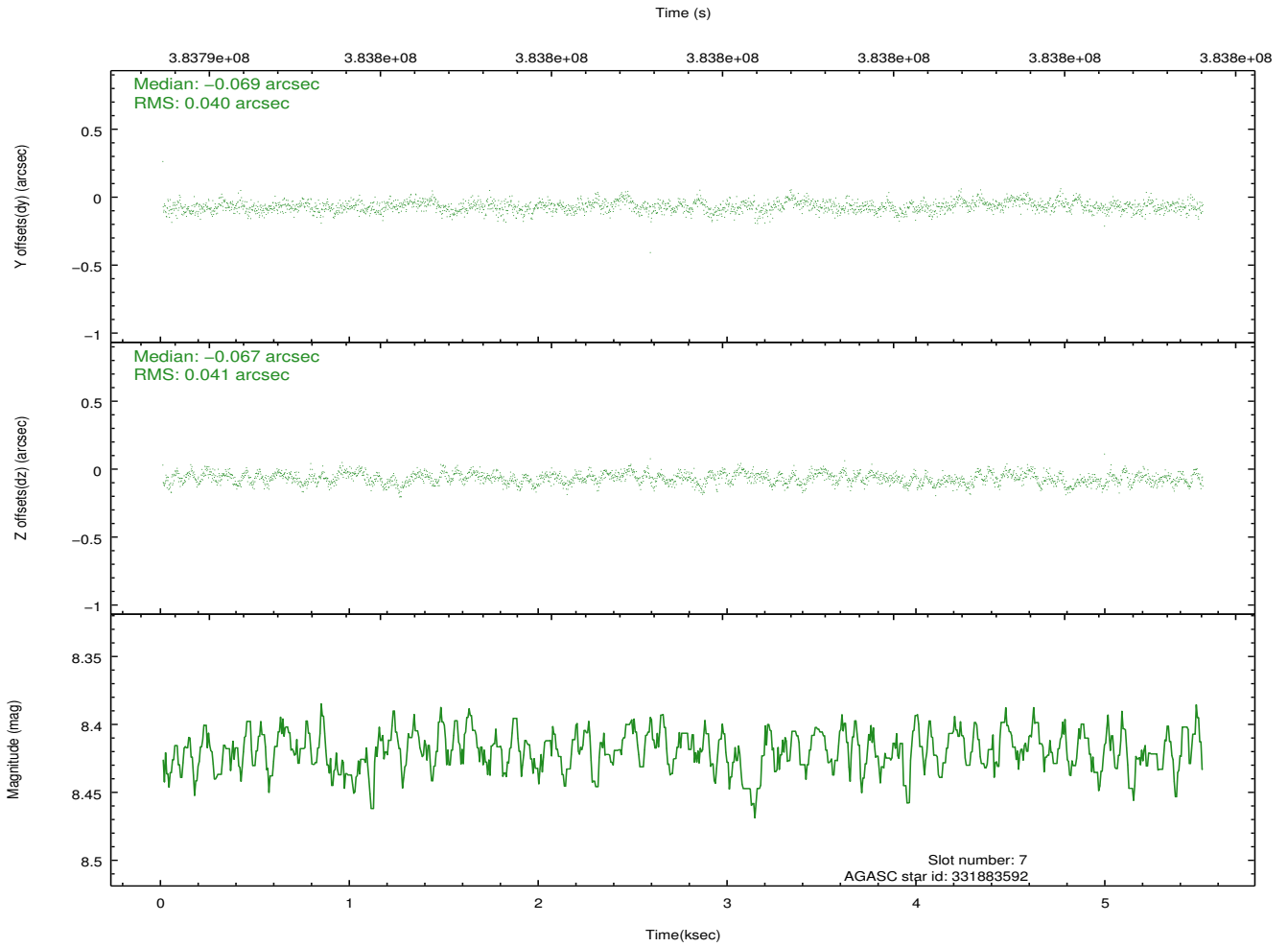
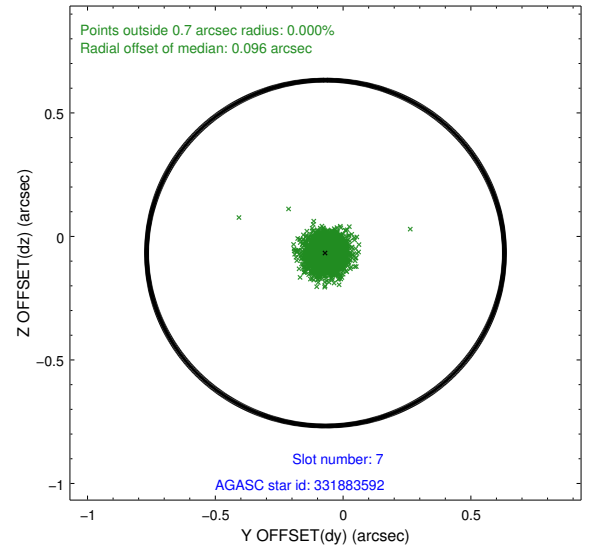
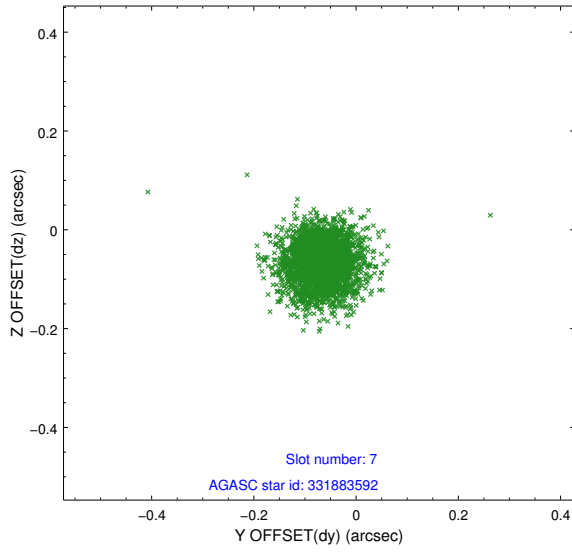
2.4.3 Slot 5



2.4.4 Slot 6

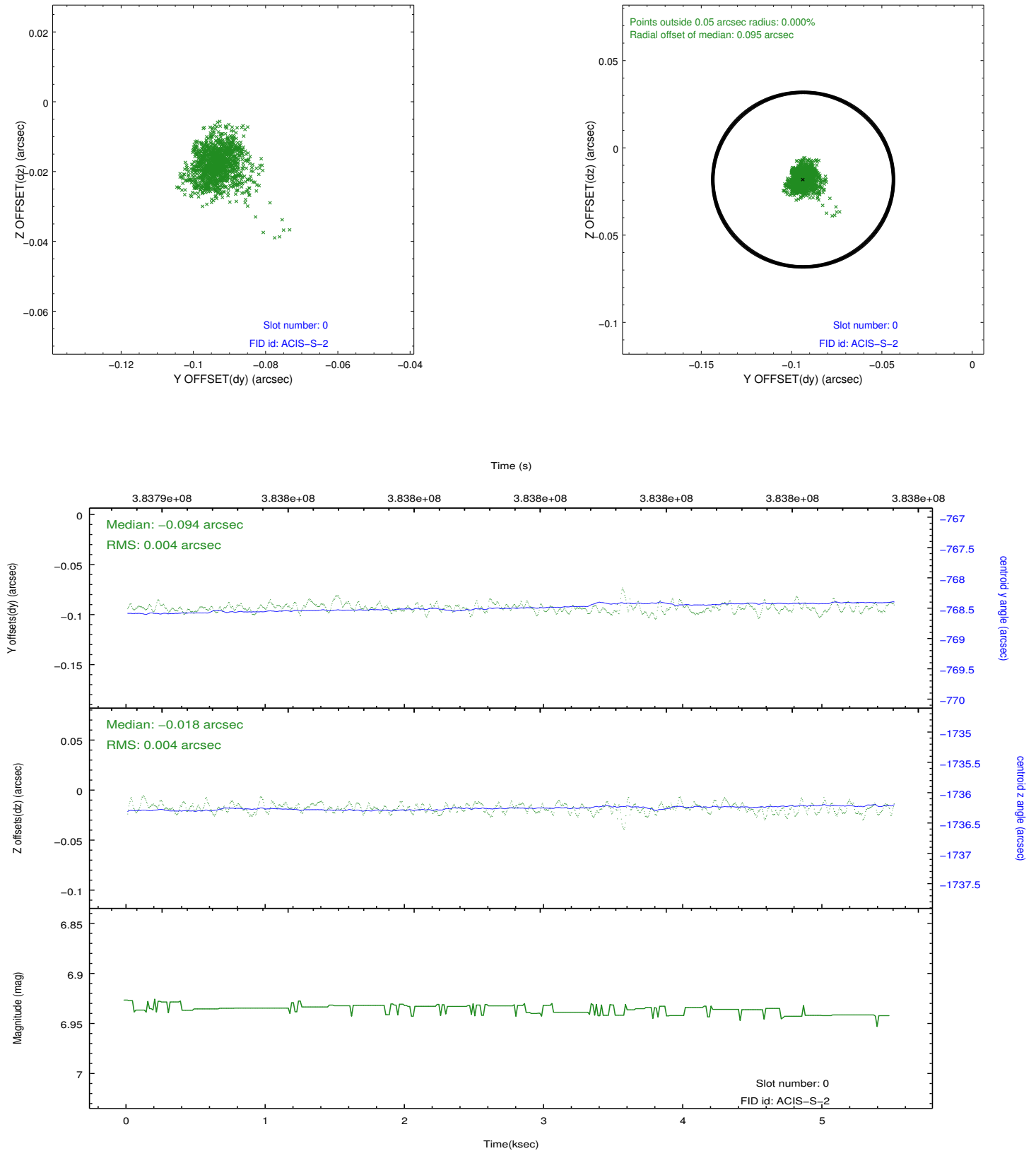


2.4.5 Slot 7

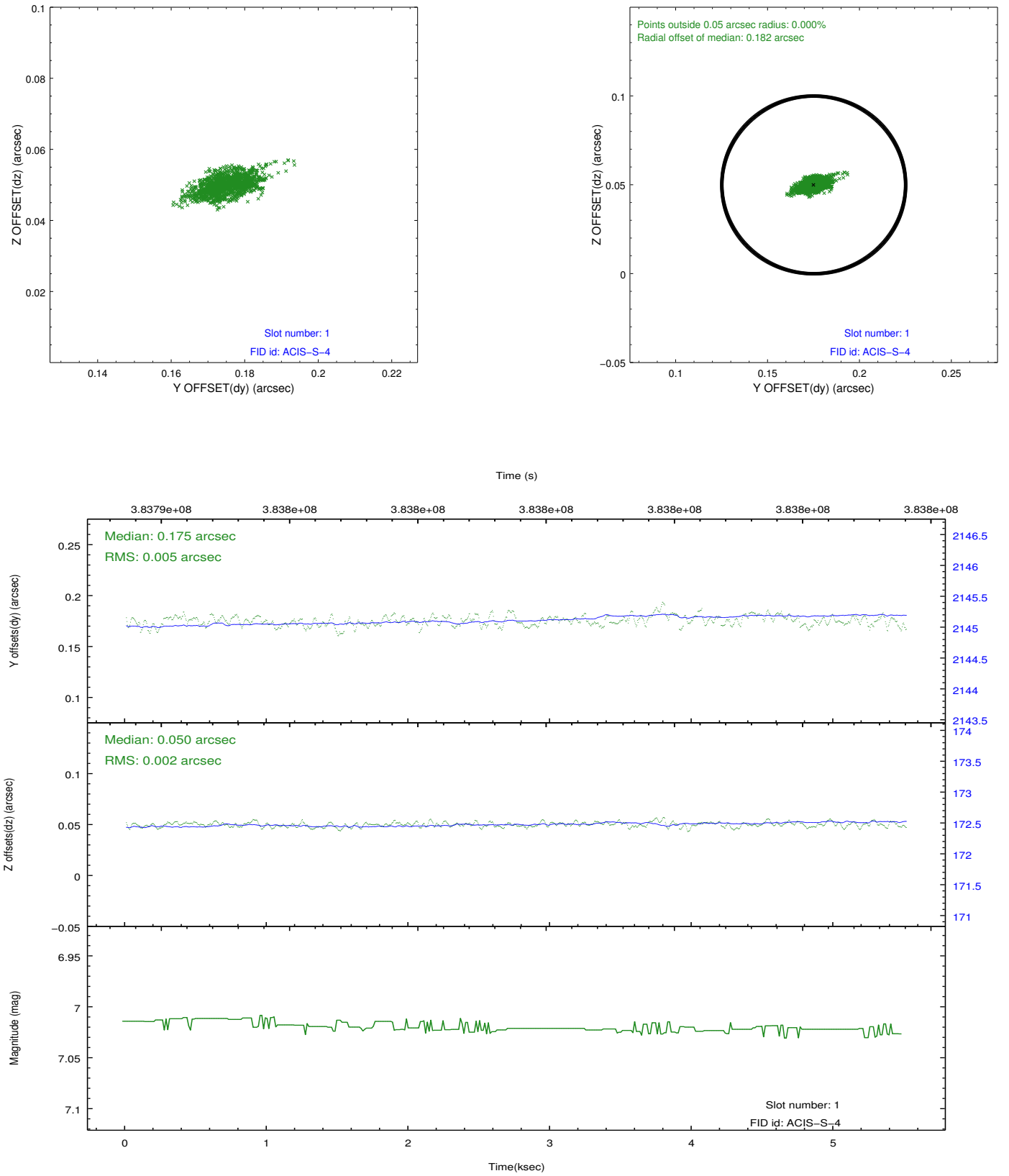


2.5 FID Slots

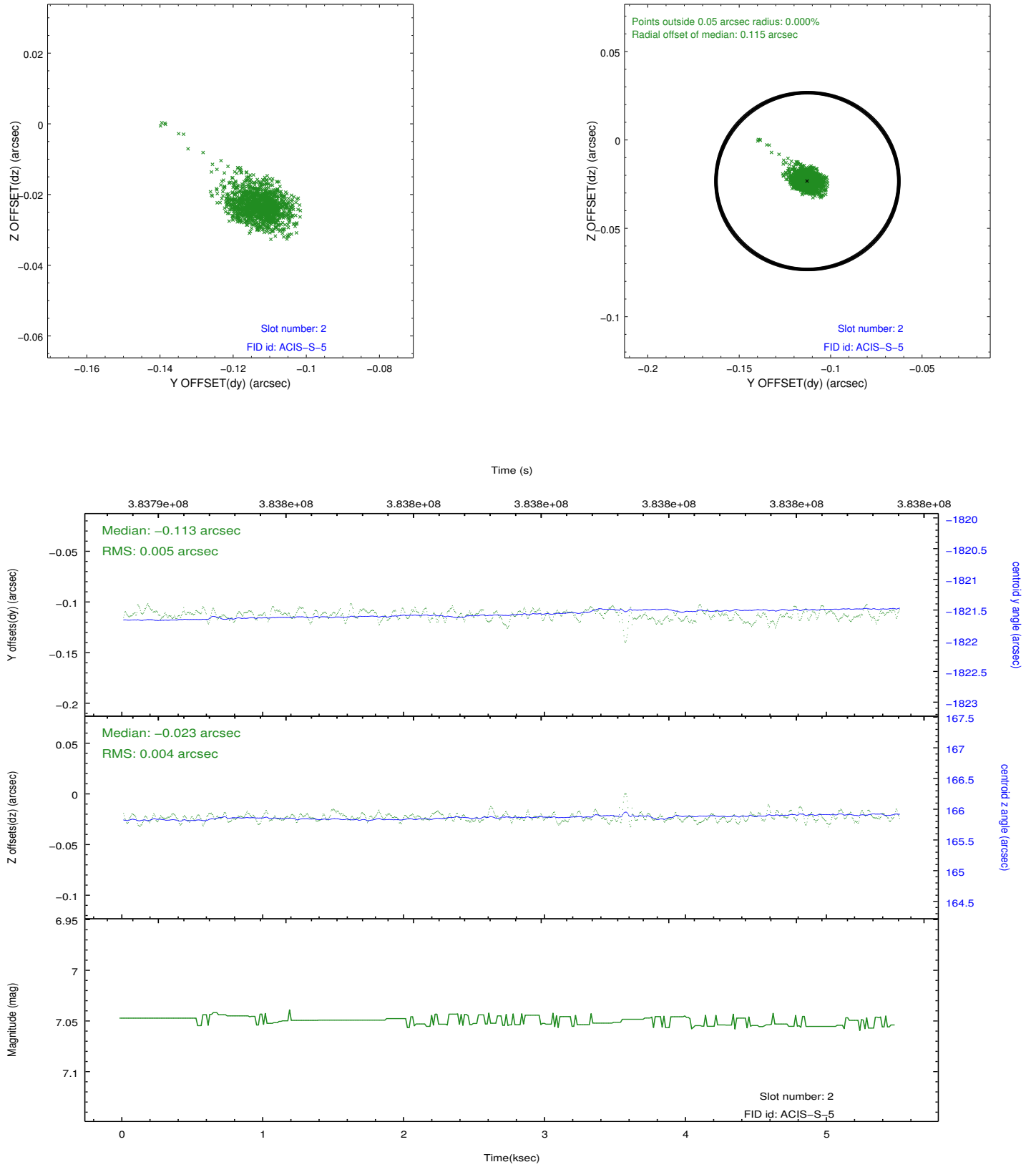
2.5.1 Slot 0



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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0341247555614

A.2 Comments