

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10865 - L2 Version 2
Chandra X-Ray Center

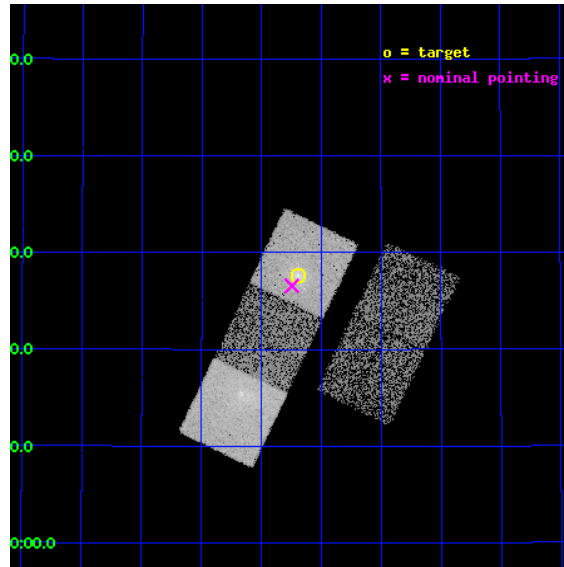
L2 Processing Date : Jun 1 2012

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1 Front

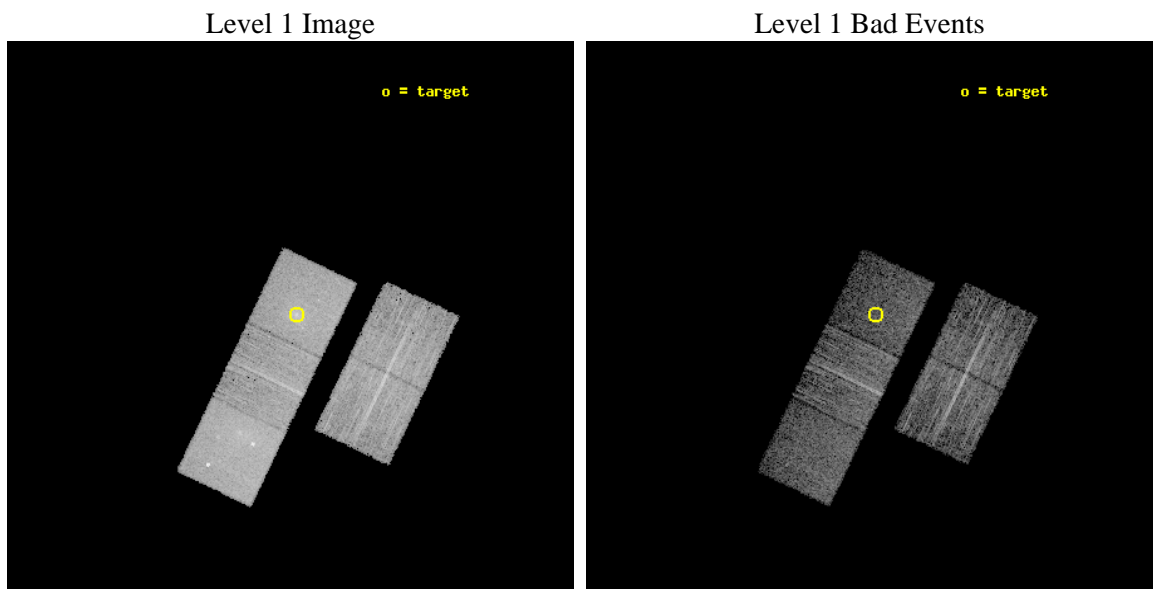
seq_num	600729	Sequence number
obs_id	10865	Observation id
title	Bondi accretion and jet power in a complete sample of elliptical galaxies	Proposal title
observer	Prof. Steven Allen	Principal investigator
object	NGC 499	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	20.797917	Observer's specified target RA [deg]
dec_targ	33.460556	Observer's specified target Dec [deg]
ra_nom	20.811520555256	Nominal RA [deg]
dec_nom	33.442882480724	Nominal Dec [deg]
roll_nom	295.64907255079	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5180.1000398397	Sum of GTIs [s]
livetime	5112.4182192851	Livetime [s]
ontime2	5180.1000398397	Sum of GTIs [s]
ontime3	5180.1000398397	Sum of GTIs [s]
ontime5	5180.1000398397	Sum of GTIs [s]
ontime6	5180.1000398397	Sum of GTIs [s]
ontime7	5180.1000398397	Sum of GTIs [s]
l2events	73362	Number of level 2 events



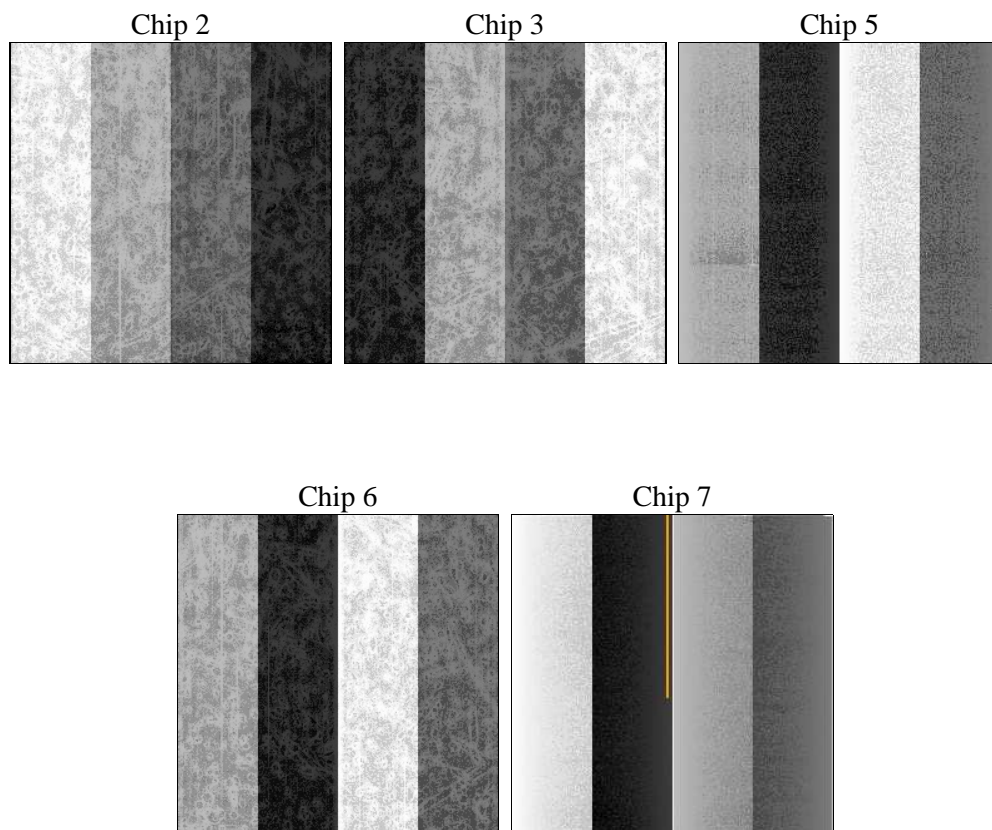
2 OBI

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	8.4.4	Processing system revision	ontime	5180.1000398397	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5180.1000398397	Sum of GTIs [s]
date	2012-06-01T06:29:14	Date and time of file creation	ontime3	5180.1000398397	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5180.1000398397	Sum of GTIs [s]
			ontime6	5180.1000398397	Sum of GTIs [s]
			ontime7	5180.1000398397	Sum of GTIs [s]
			l1events	307137	Number of level 1 events

2.1.4 Events

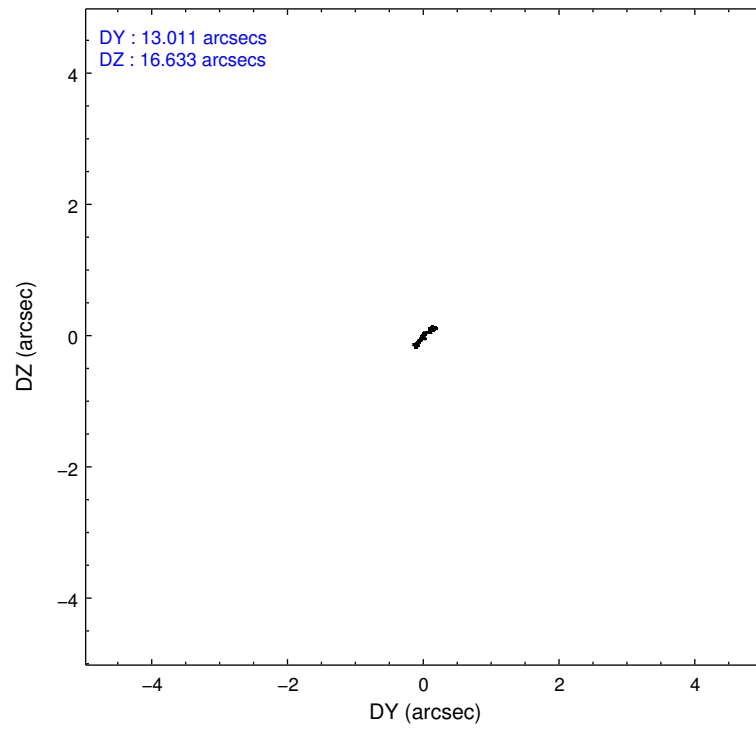
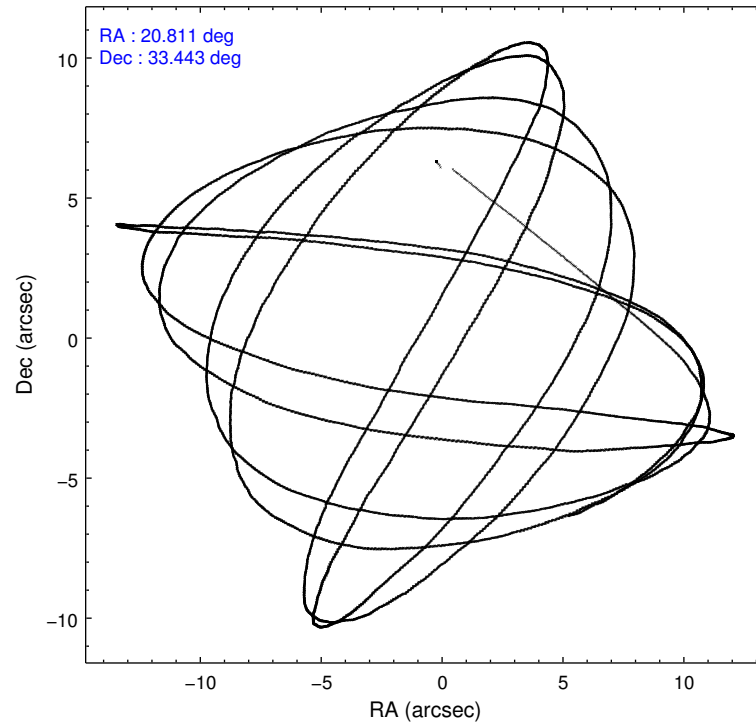
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	54659	50795	82225	55380	64078
rejected events	50204	46653	45019	49174	37359
rejected %	91%	91%	54%	88%	58%

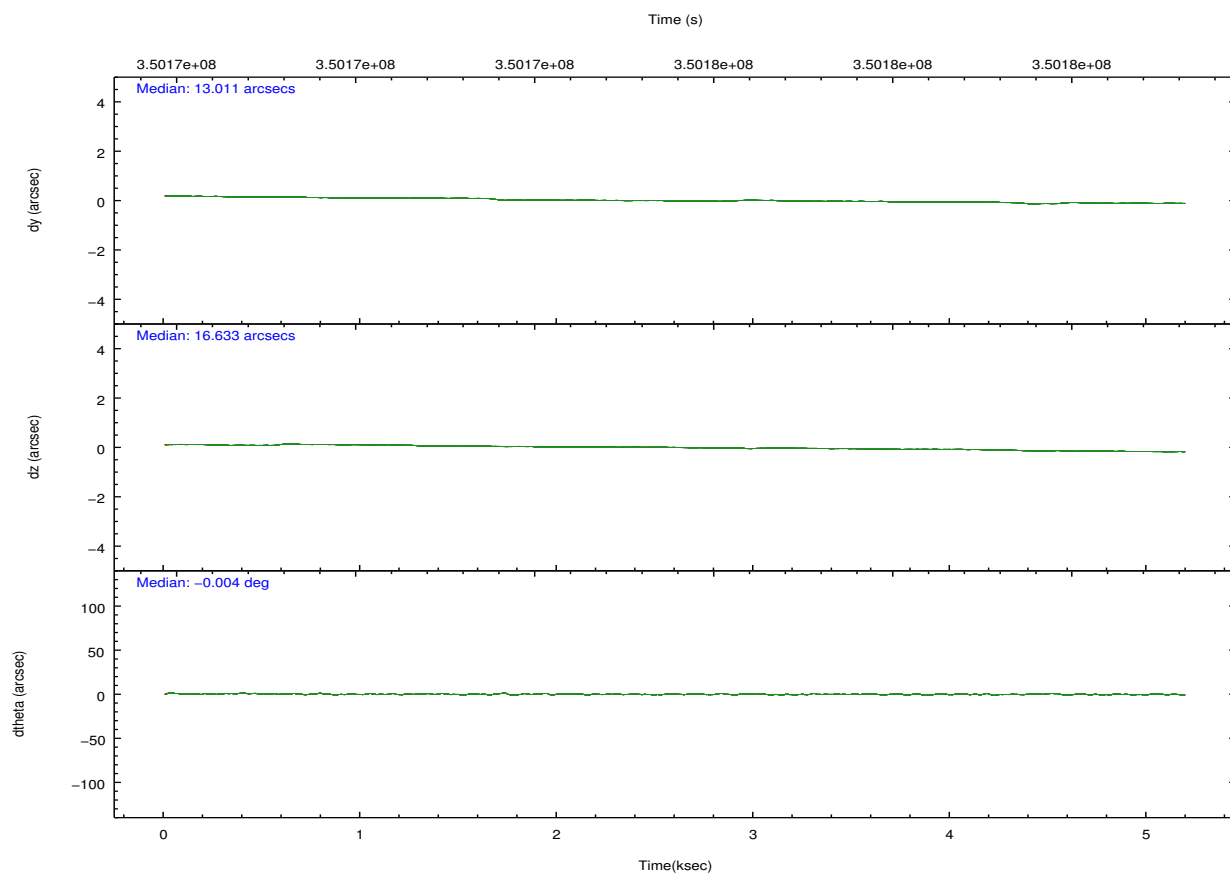
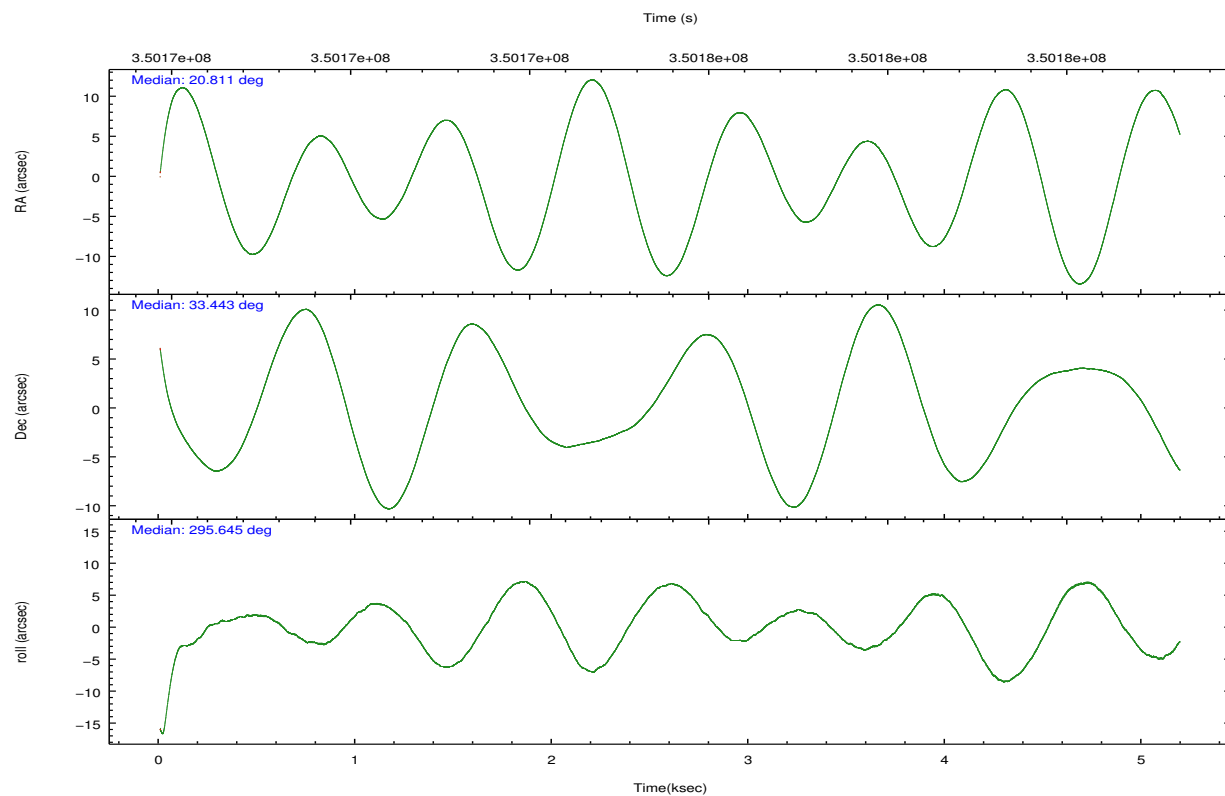
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2027	1828	6761	3305	3966
	3%	3%	8%	5%	6%
grade 1 events	27	34	221	43	72
	0%	0%	0%	0%	0%
grade 2 events	1203	1080	13077	1390	6655
	2%	2%	15%	2%	10%
grade 3 events	521	520	2041	664	2981
	0%	1%	2%	1%	4%
grade 4 events	576	545	1978	674	2951
	1%	1%	2%	1%	4%
grade 5 events	1813	2139	6079	2168	6377
	3%	4%	7%	3%	9%
grade 6 events	953	974	20047	1191	14653
	1%	1%	24%	2%	22%
grade 7 events	47539	43675	32021	45945	26423
	86%	85%	38%	82%	41%

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	20.784102	20.81152055525558	CCD I2 on	O1	Y
[deg] Pointing Dec	33.458004	33.44288248072423	CCD I3 on	Y	Y
[deg] Pointing Roll	295.507611	295.6490725507896	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	N	N
[s] Observation start time (MET)	350172391.184000	350170879.75946	CCD S5 on	N	N
Observation start date	2009-02-04T22:05:25	2009-02-04T21:41:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350177391.184000	350178303.83483	On-chip summing requested	N	N
Observation end date	2009-02-04T23:28:45	2009-02-04T23:45:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



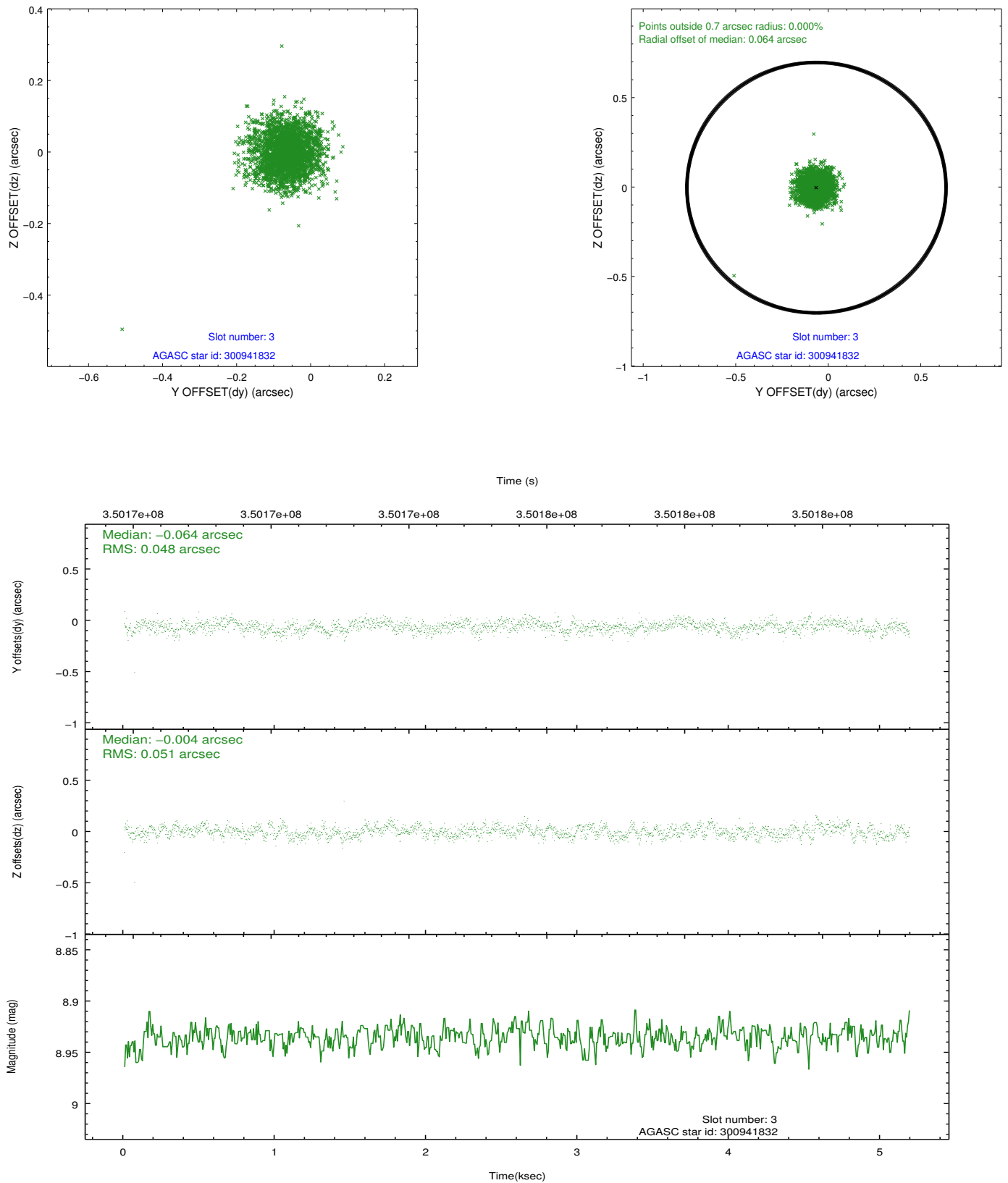


Slot Statistics

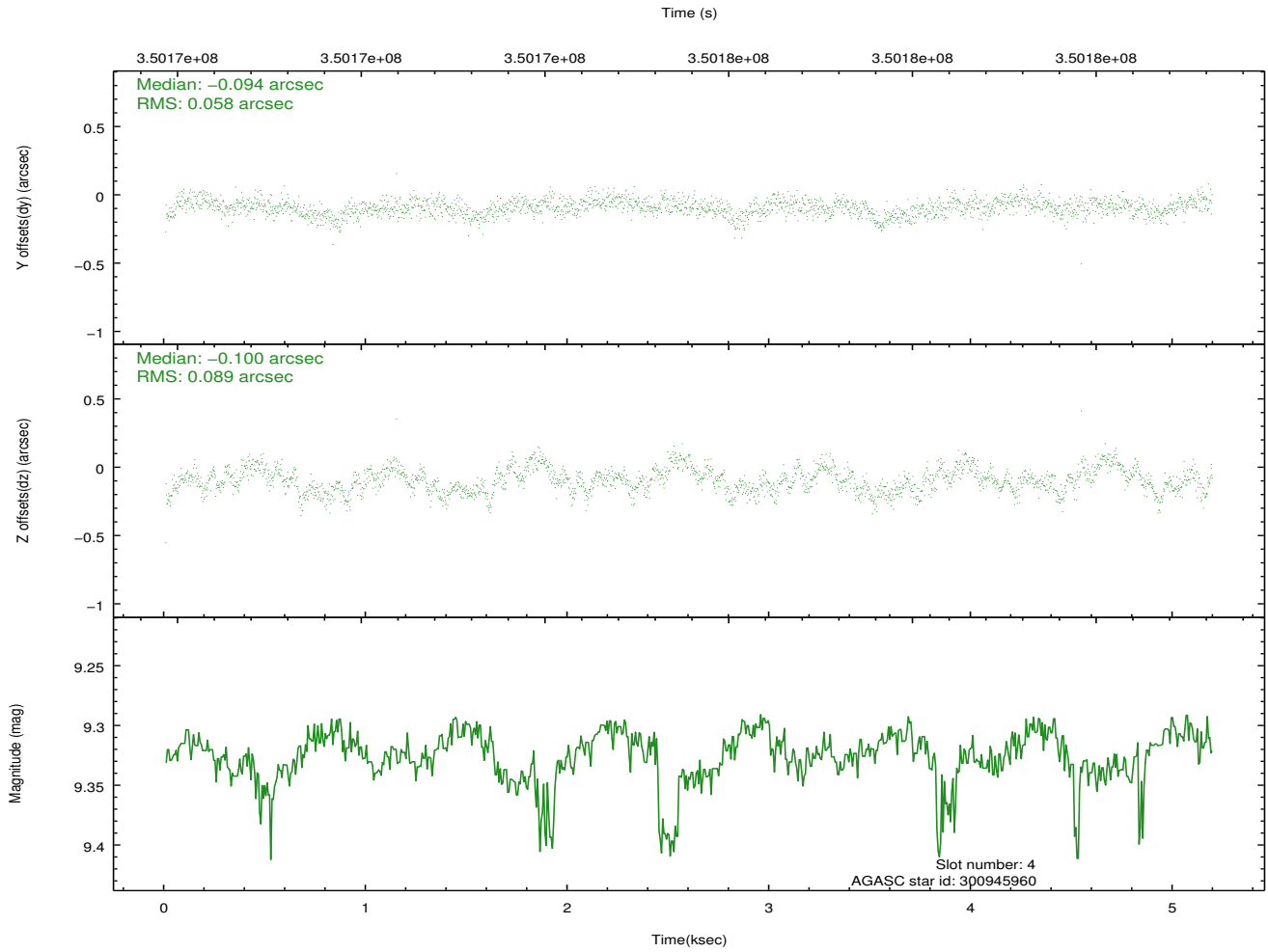
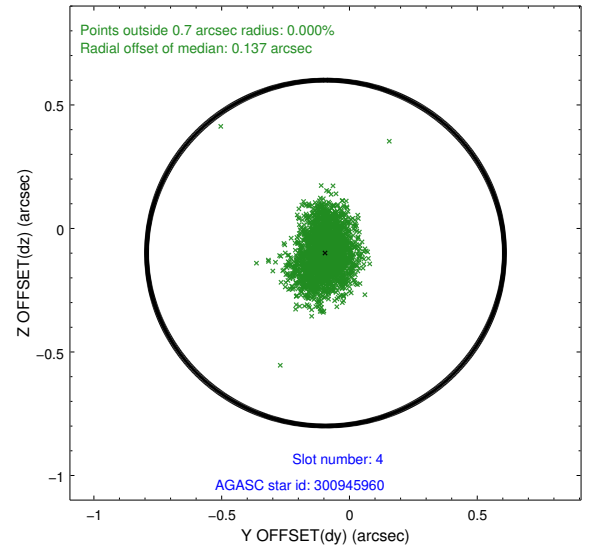
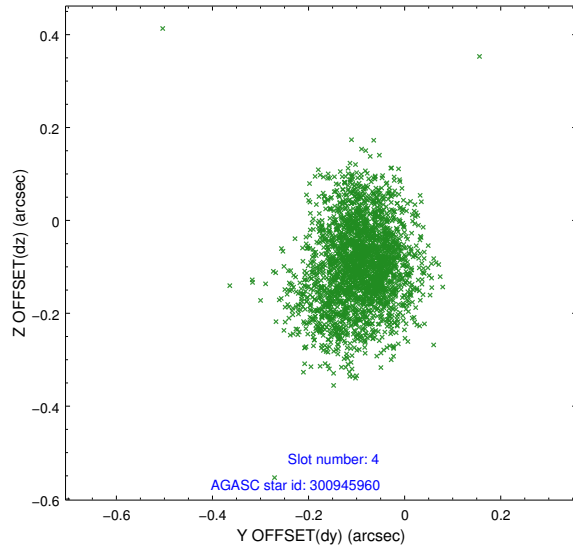
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	1266	0.089	-0.085	0.007	0.011	0.000000	0.000000	930.16	-1733.72
1	FID	ACIS-S-2	6.88	1266	-0.073	0.024	0.006	0.012	0.000000	0.000000	-765.26	-1739.35
2	FID	ACIS-S-6	7.09	1266	-0.037	0.066	0.006	0.011	0.000000	0.000000	395.20	806.56
3	GUIDE	300941832	8.93	2529	-0.064	-0.004	0.075	0.117	20.525278	33.237138	381.57	-1045.80
4	GUIDE	300945960	9.32	2531	-0.094	-0.100	0.113	0.184	20.665202	33.720044	-1004.63	84.16
5	GUIDE	300946312	9.06	2531	0.218	-0.029	0.102	0.168	21.172860	33.025821	1907.47	390.00
6	GUIDE	301471176	9.77	2527	-0.163	0.159	0.139	0.220	21.361136	33.909135	-726.94	2257.56
7	GUIDE	300948240	8.11	2531	0.101	-0.039	0.072	0.120	21.318271	32.949093	2344.60	670.18

2.4 Star Slots

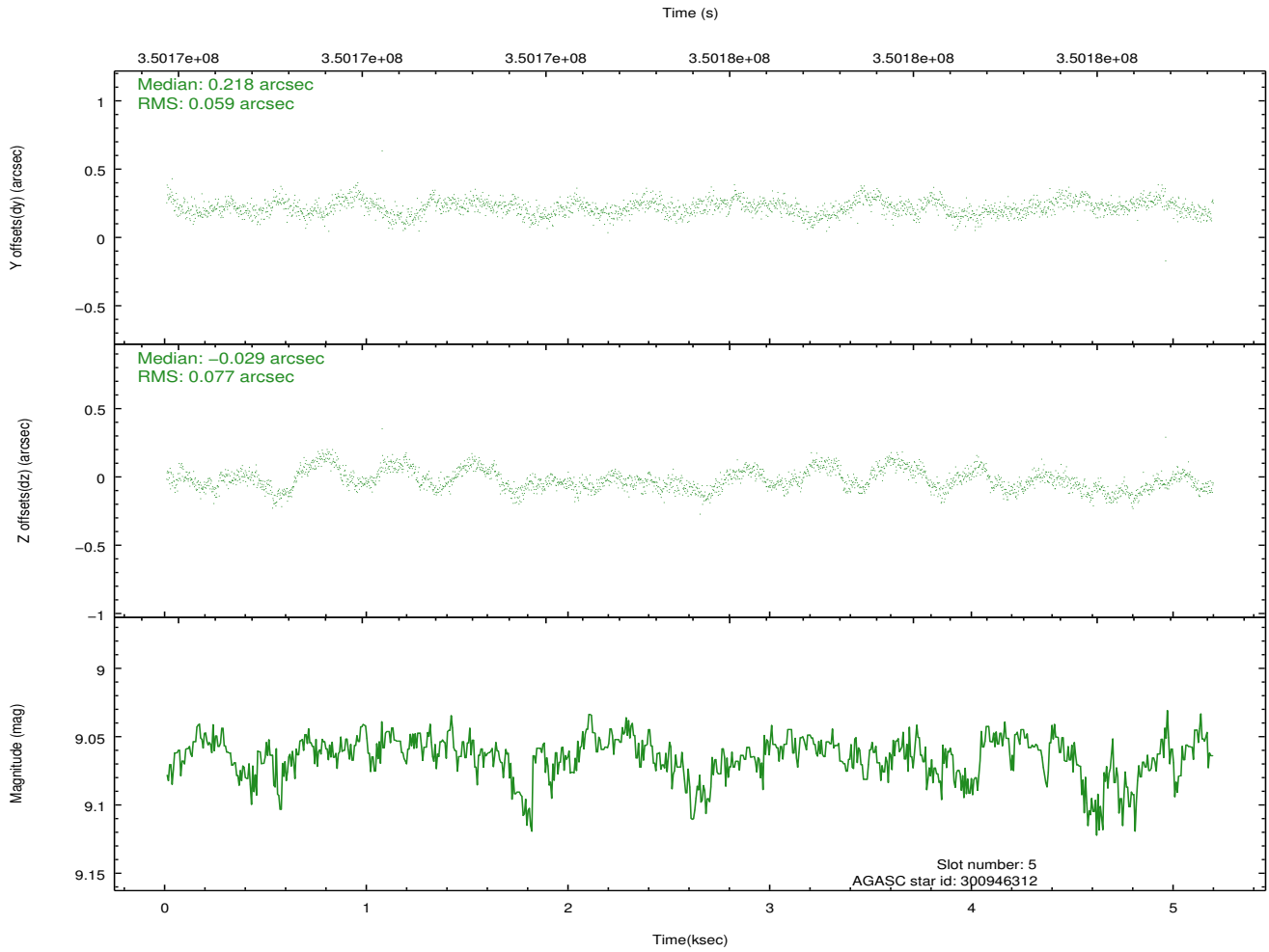
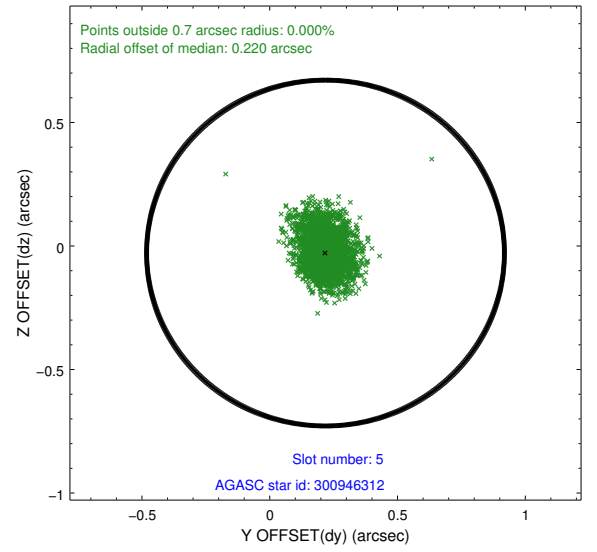
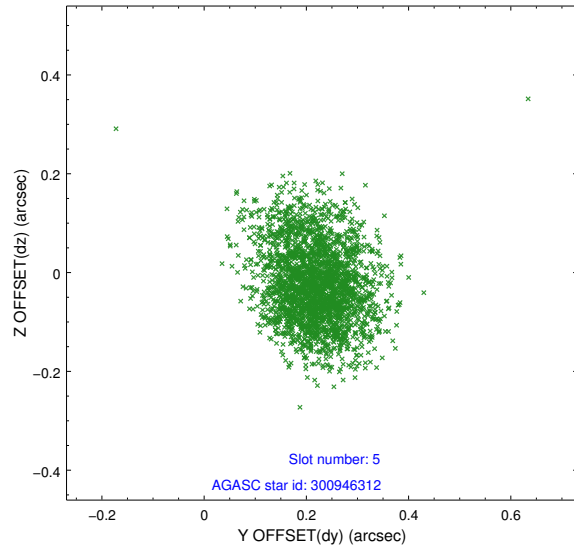
2.4.1 Slot 3



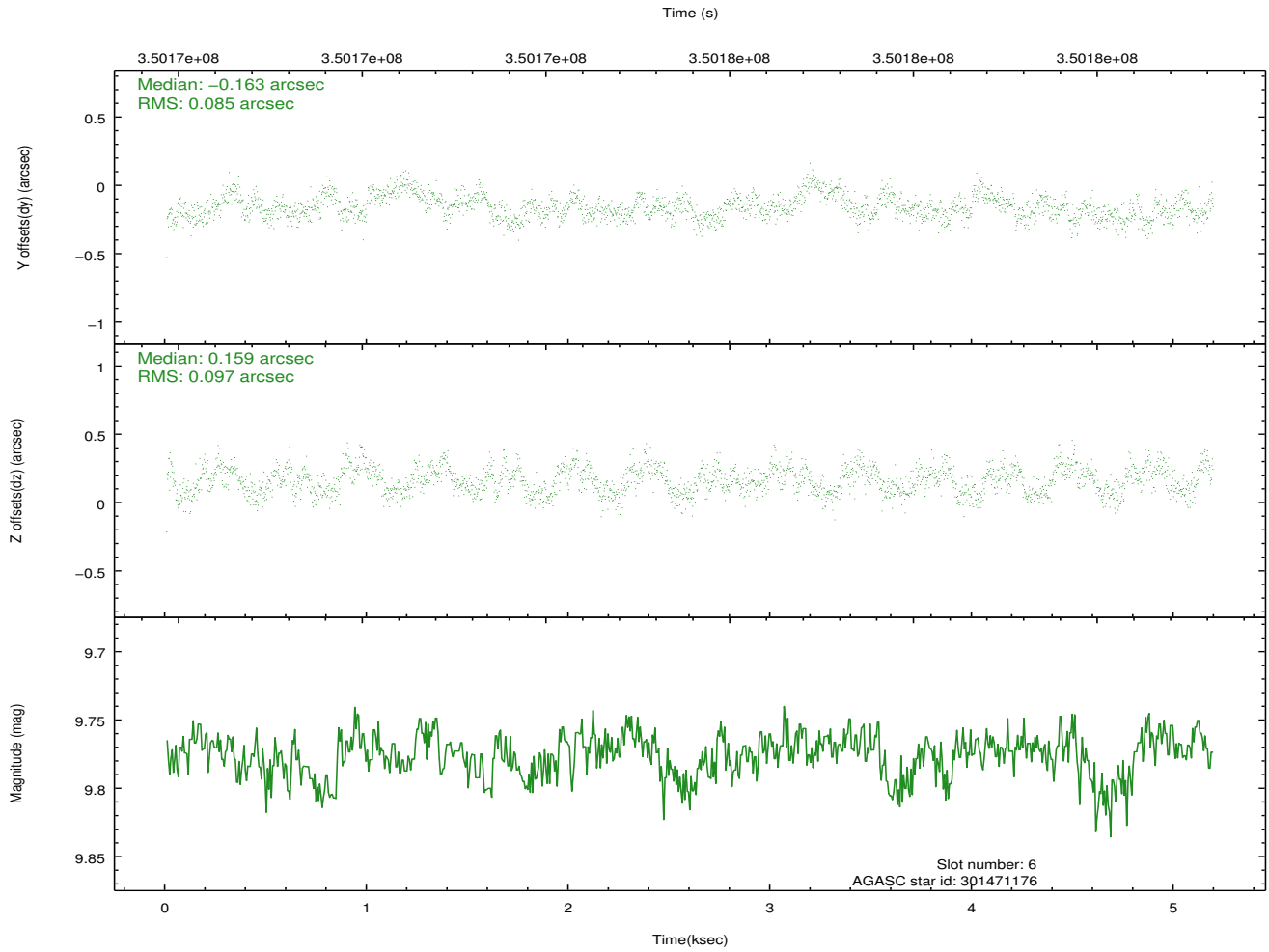
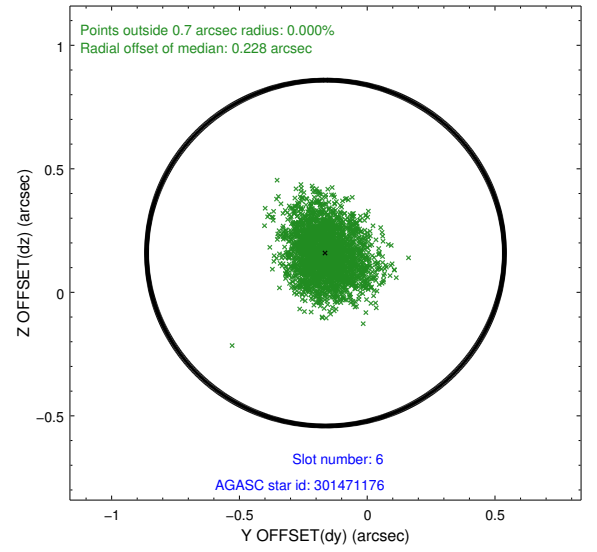
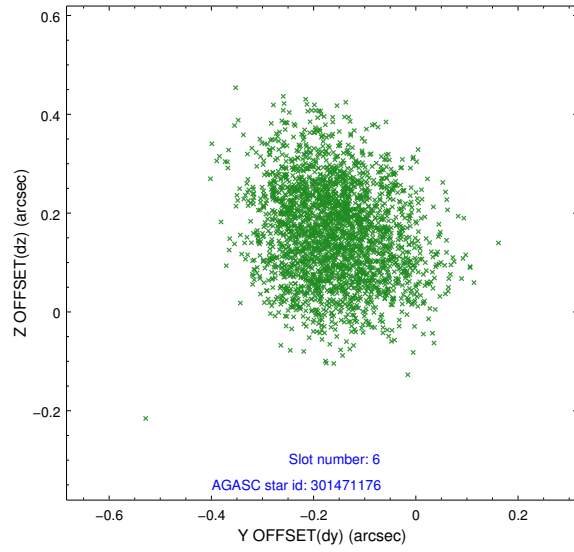
2.4.2 Slot 4



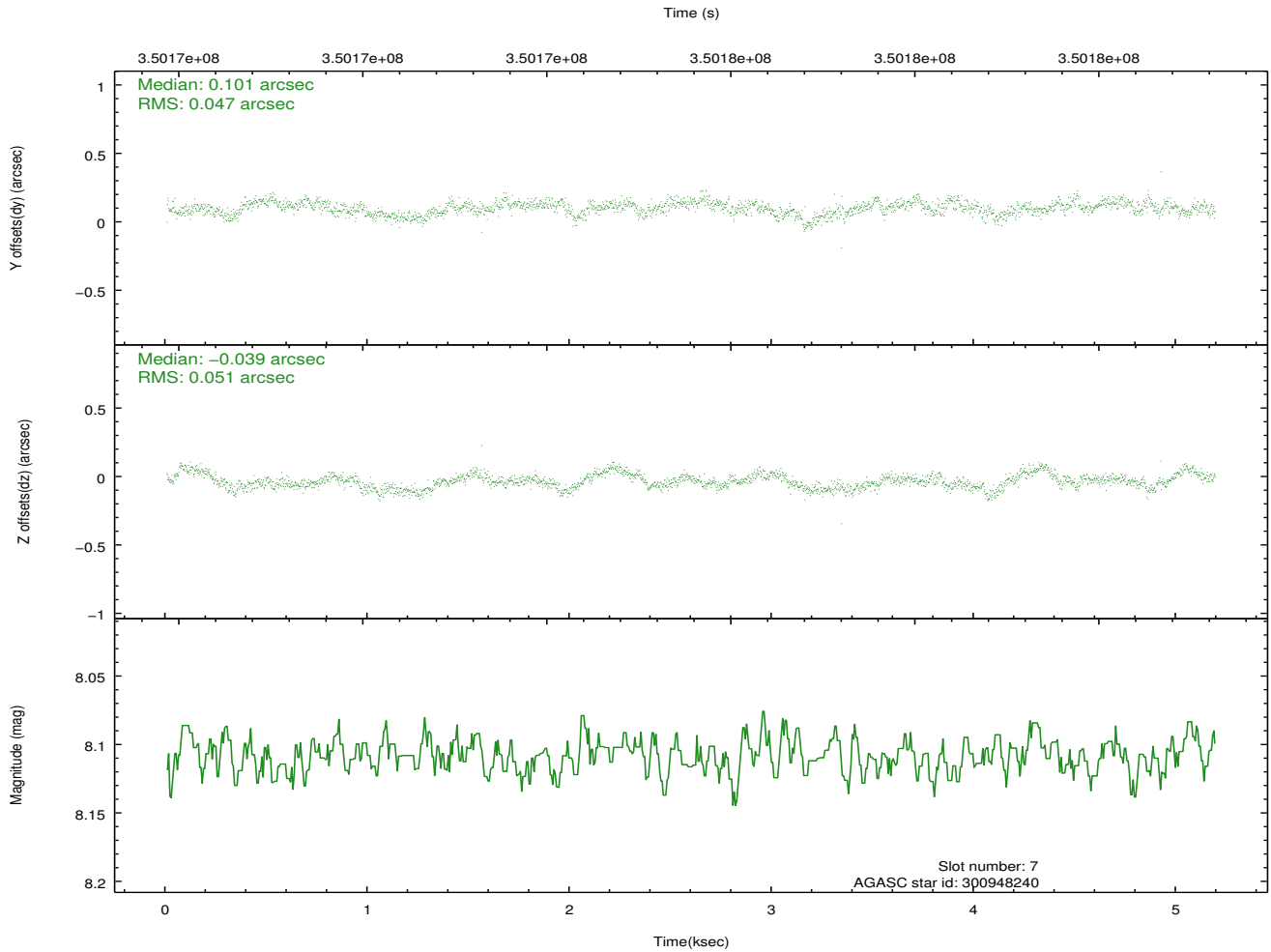
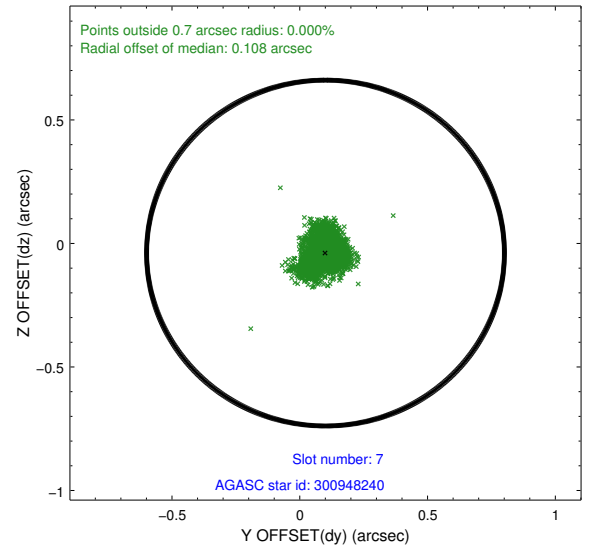
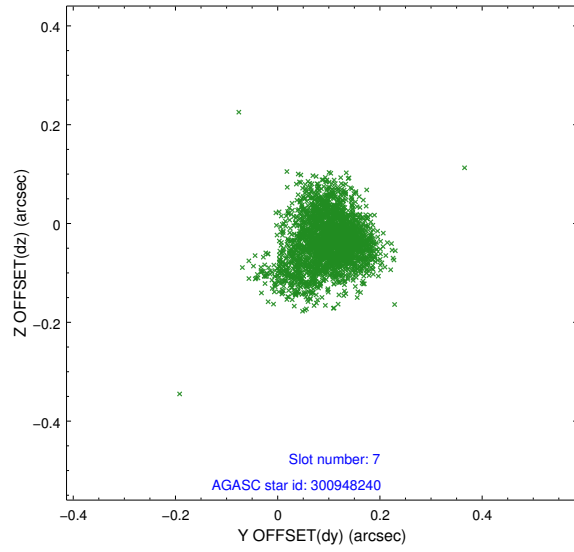
2.4.3 Slot 5



2.4.4 Slot 6

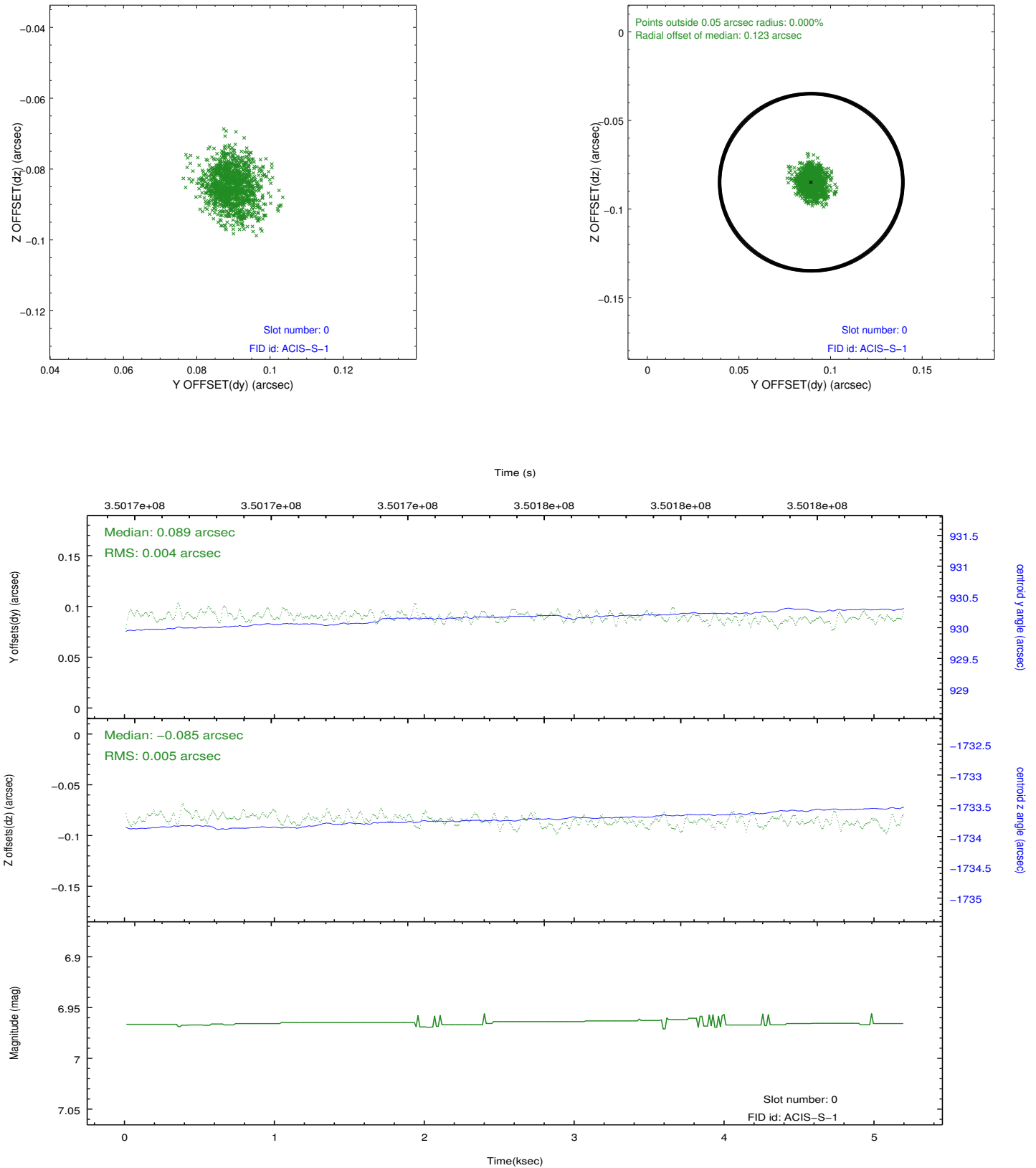


2.4.5 Slot 7

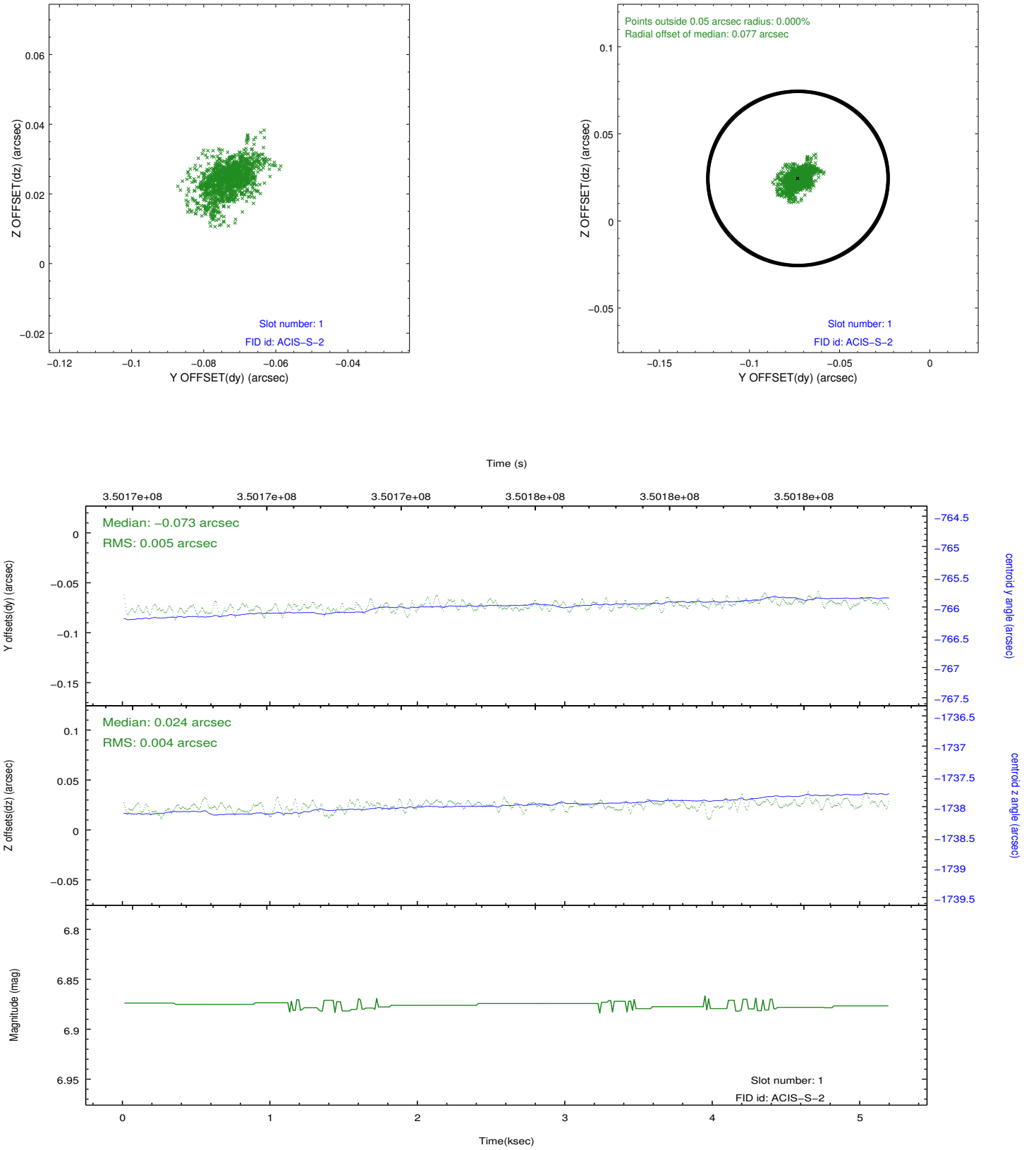


2.5 FID Slots

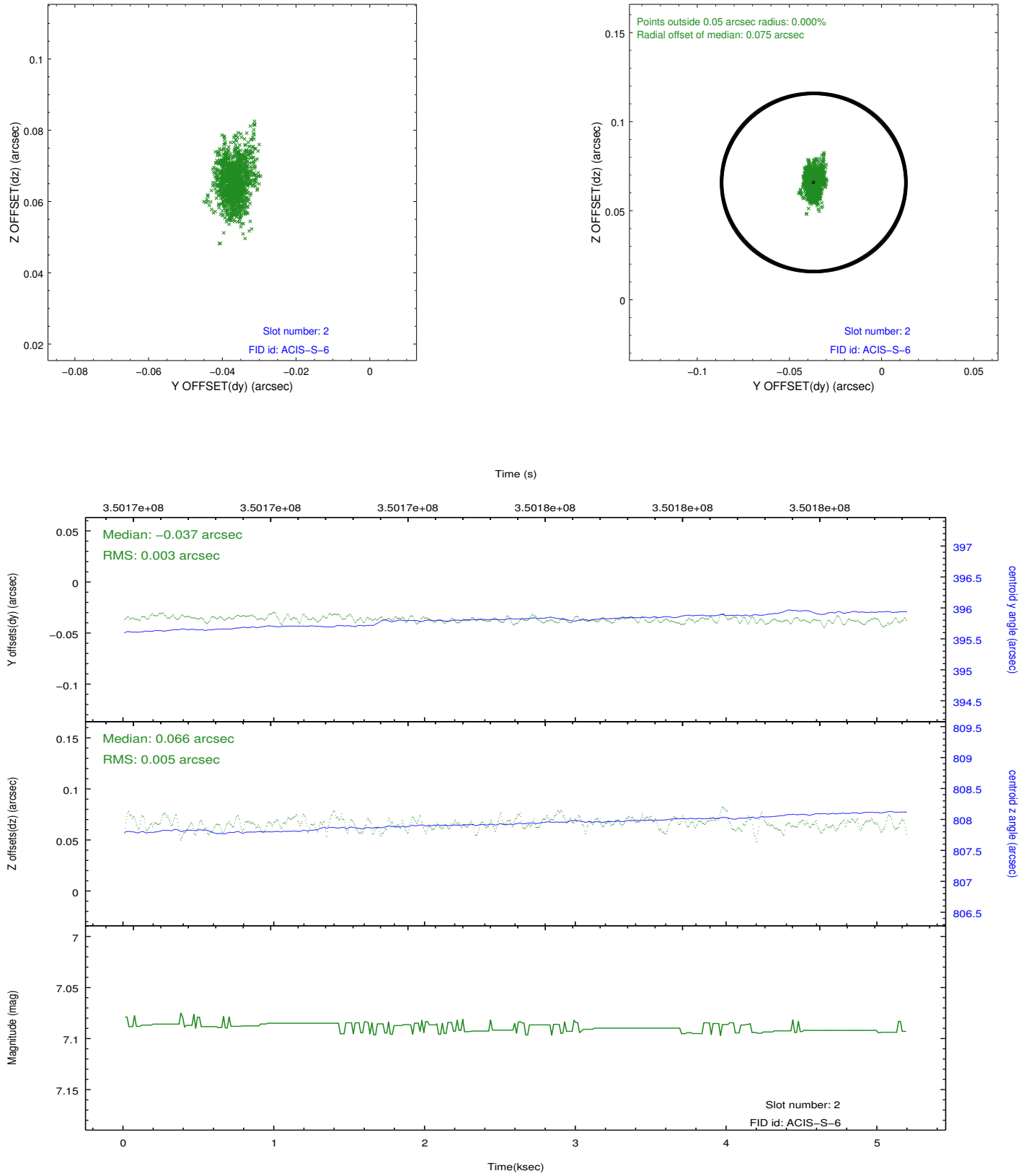
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18010003

A.2 Comments