

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10866 - L2 Version 2
Chandra X-Ray Center

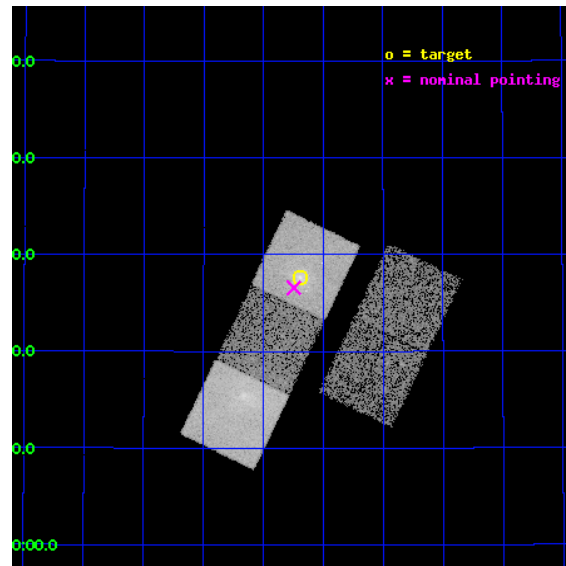
L2 Processing Date : Jun 1 2012

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1 Front

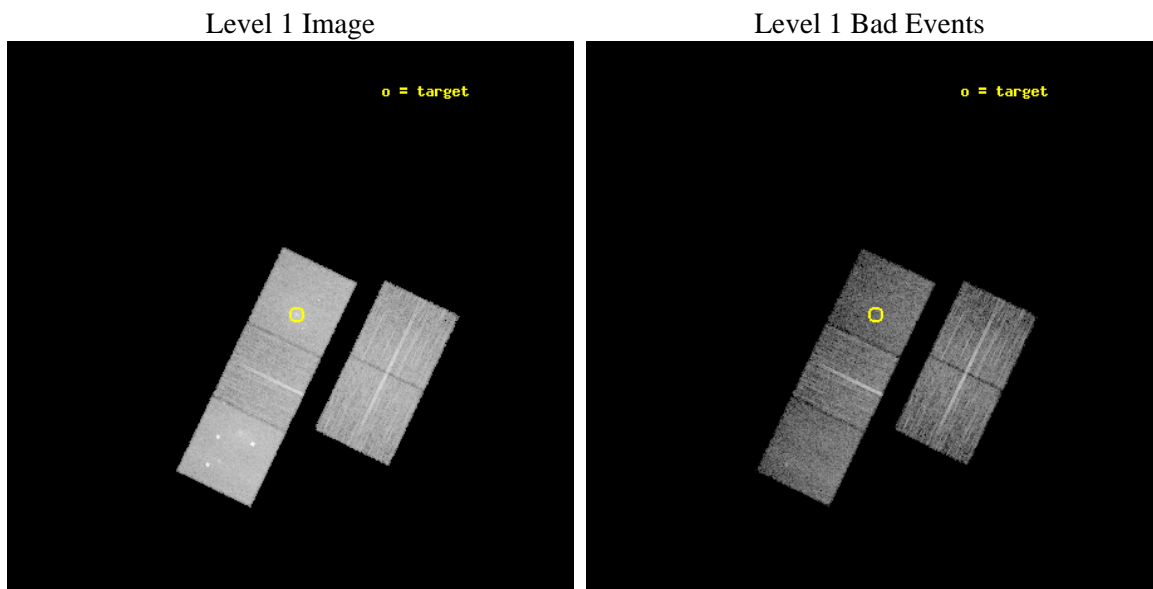
seq_num	600729	Sequence number
obs_id	10866	Observation id
title	Bondi accretion and jet power in a complete sample of elliptical galaxies	Proposal title
observer	Prof. Steven Allen	Principal investigator
object	NGC 499	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	20.797917	Observer's specified target RA [deg]
dec_targ	33.460556	Observer's specified target Dec [deg]
ra_nom	20.811401869205	Nominal RA [deg]
dec_nom	33.442867972818	Nominal Dec [deg]
roll_nom	295.64919619217	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8149.9000626802	Sum of GTIs [s]
livetime	8043.4156184922	Livetime [s]
ontime2	8149.9000626802	Sum of GTIs [s]
ontime3	8146.759062469	Sum of GTIs [s]
ontime5	8149.9000626802	Sum of GTIs [s]
ontime6	8149.9000626802	Sum of GTIs [s]
ontime7	8149.9000626802	Sum of GTIs [s]
l2events	116079	Number of level 2 events



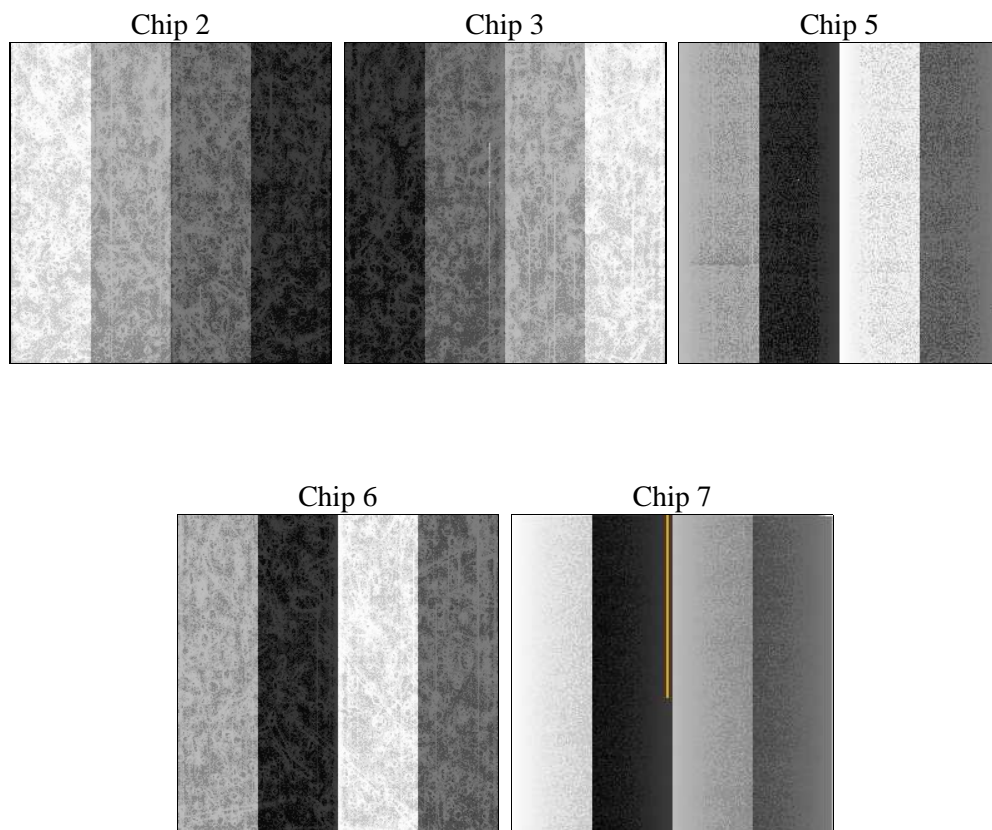
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8149.9000626802	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	8149.9000626802	Sum of GTIs [s]
date	2012-06-01T06:29:48	Date and time of file creation	ontime3	8146.759062469	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8149.9000626802	Sum of GTIs [s]
			ontime6	8149.9000626802	Sum of GTIs [s]
			ontime7	8149.9000626802	Sum of GTIs [s]
			l1events	424742	Number of level 1 events

2.1.4 Events

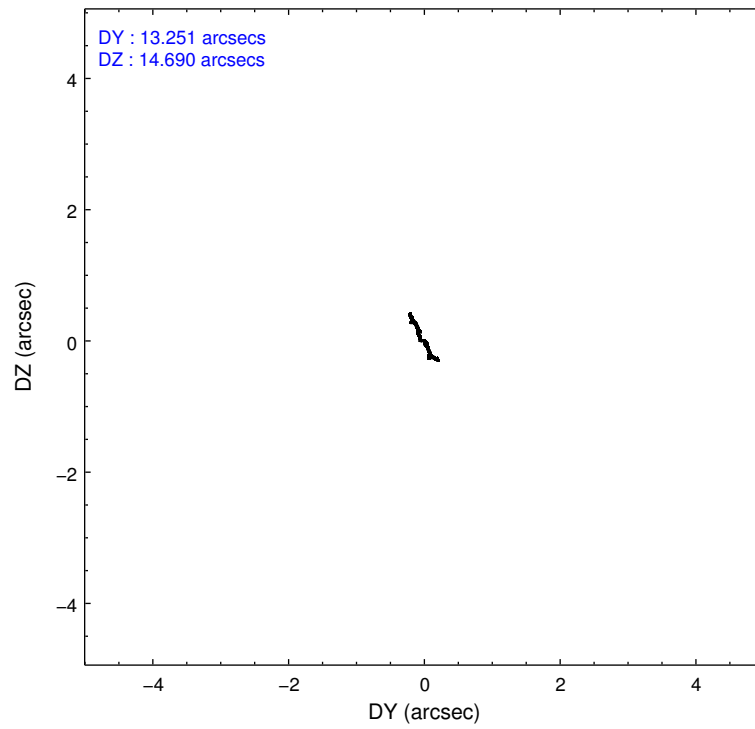
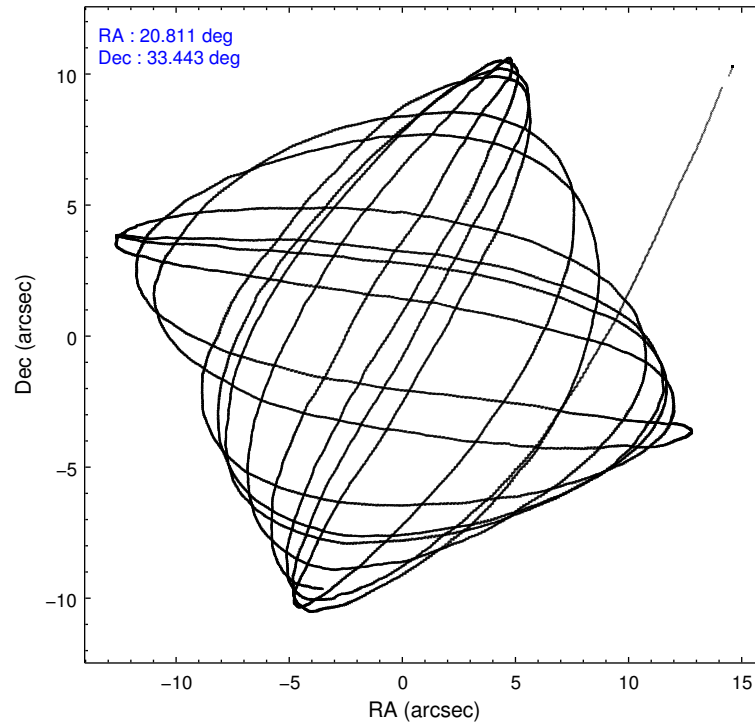
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	75266	71755	113626	74381	89714
rejected events	68048	65024	54140	64923	47149
rejected %	90%	90%	47%	87%	52%

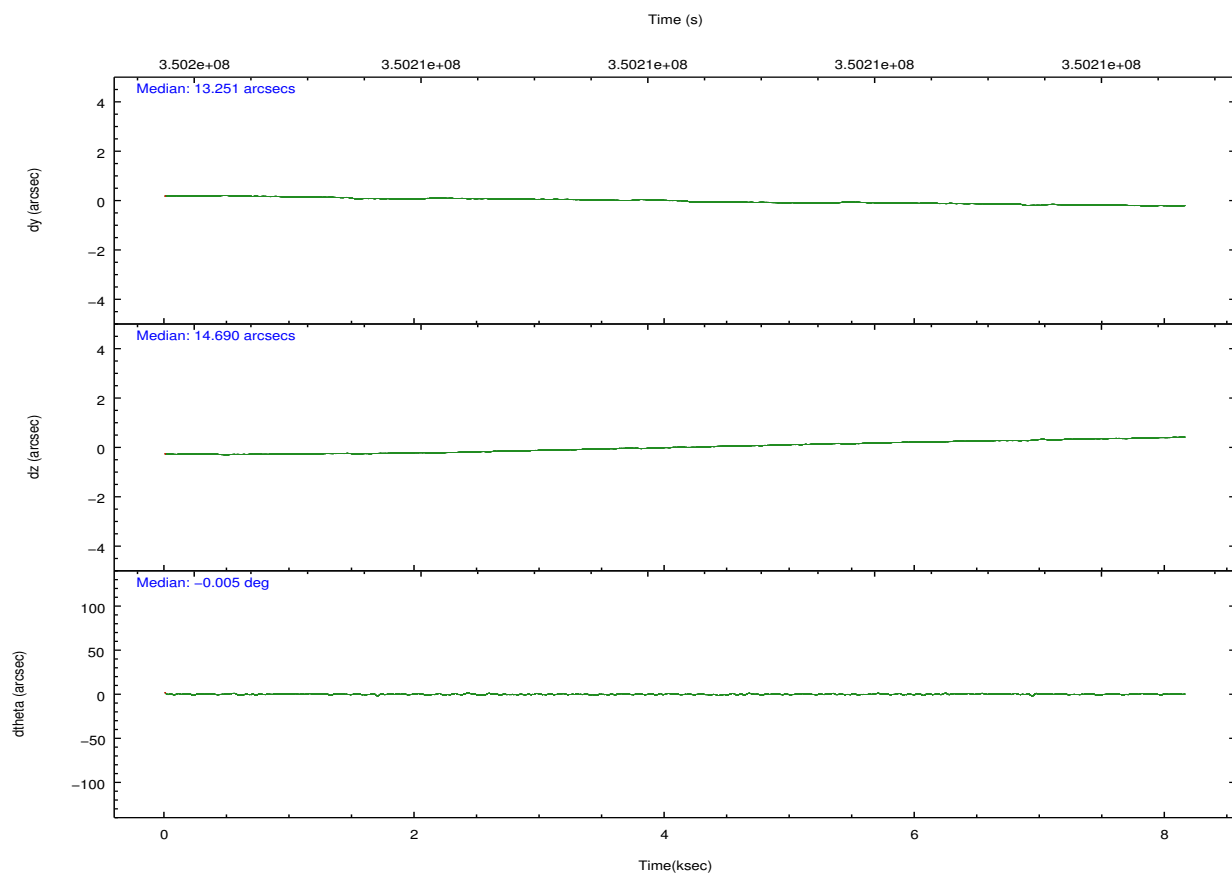
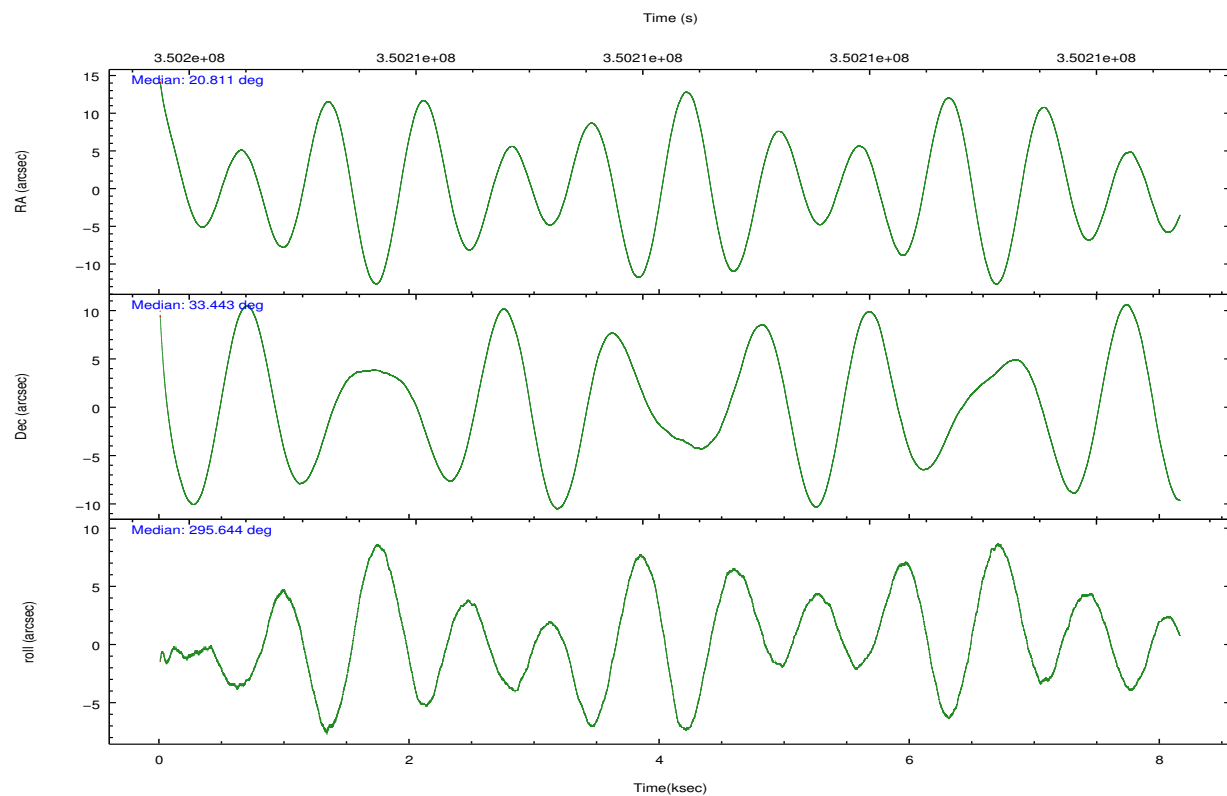
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2932	2490	10932	4504	5721
	3%	3%	9%	6%	6%
grade 1 events	43	49	319	60	109
	0%	0%	0%	0%	0%
grade 2 events	1775	1547	17644	1835	9507
	2%	2%	15%	2%	10%
grade 3 events	768	784	2808	891	4251
	1%	1%	2%	1%	4%
grade 4 events	759	806	2763	881	4163
	1%	1%	2%	1%	4%
grade 5 events	2445	2892	8131	3078	8648
	3%	4%	7%	4%	9%
grade 6 events	1283	1384	27577	1698	20555
	1%	1%	24%	2%	22%
grade 7 events	65261	61803	43452	61434	36760
	86%	86%	38%	82%	40%

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	20.81140186920541	CCD I2 on	O1	Y
[deg] Pointing Dec	33.458004	33.44286797281801	CCD I3 on	Y	Y
[deg] Pointing Roll	295.507611	295.6491961921697	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)	350204325.184000	350203170.84856	CCD S5 on	N	N
Observation start date	2009-02-05T06:57:39	2009-02-05T06:39:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350212325.184000	350213228.66156	On-chip summing requested	N	N
Observation end date	2009-02-05T09:10:59	2009-02-05T09:27:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



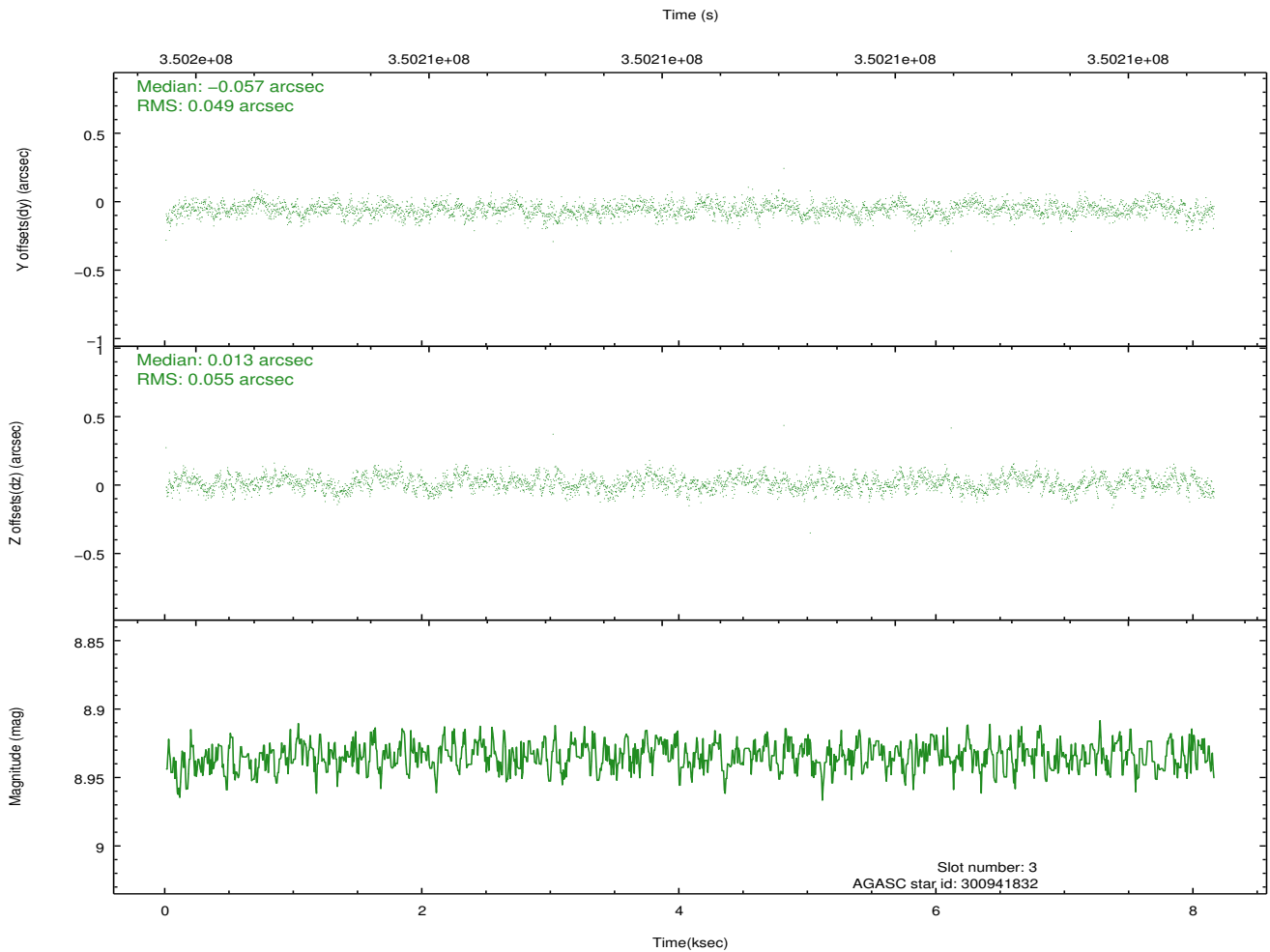
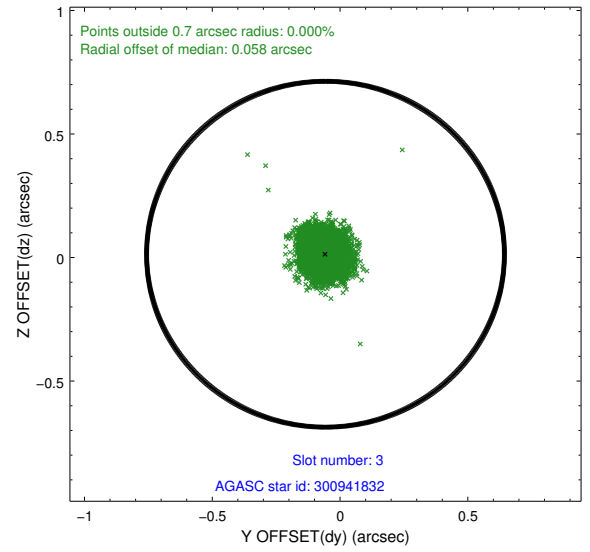
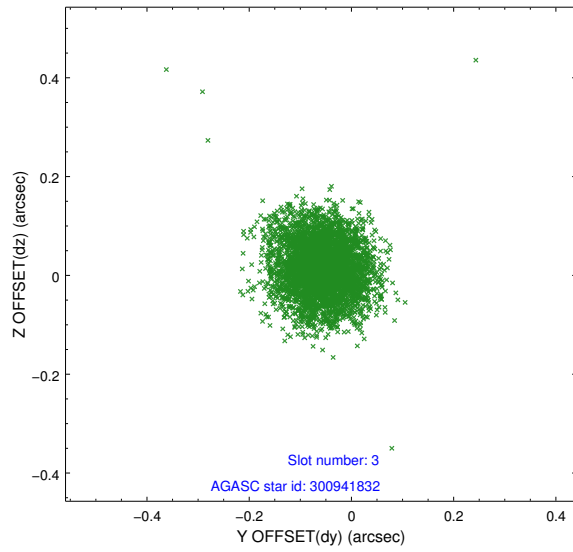


Slot Statistics

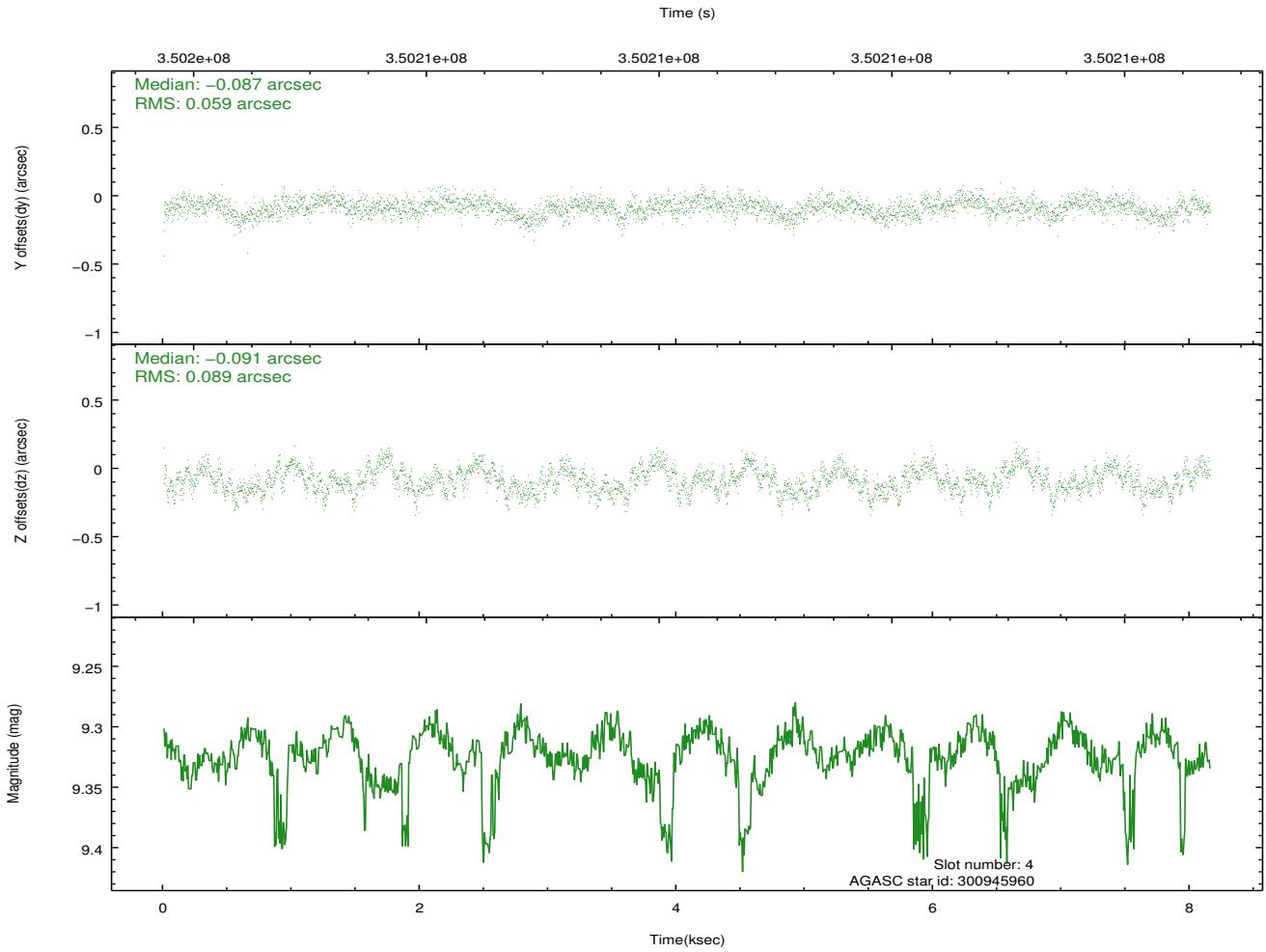
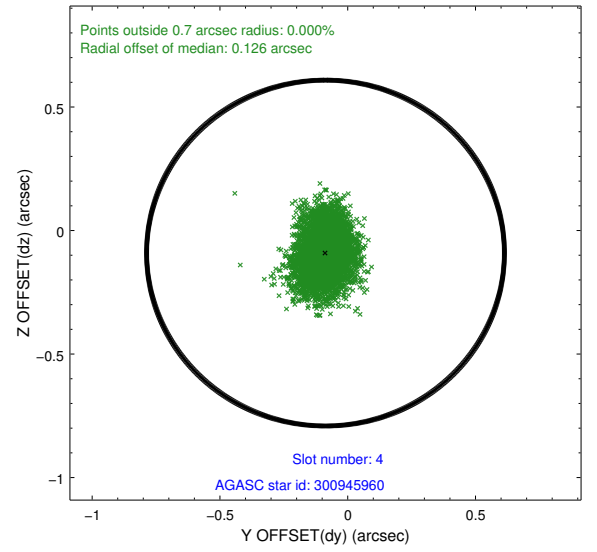
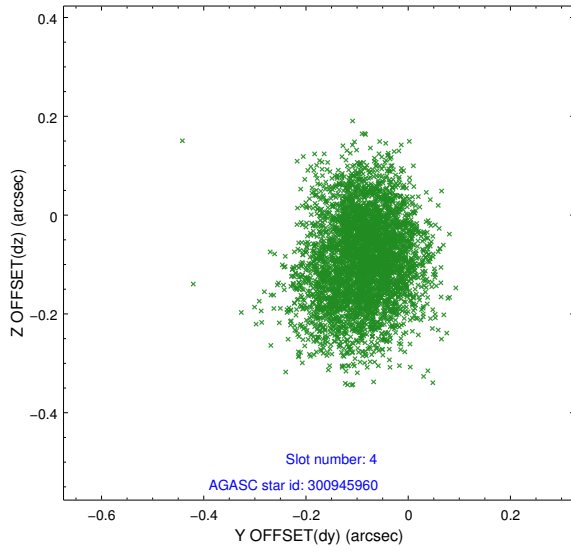
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.04	1989	0.073	-0.004	0.015	0.022	0.000000	0.000000	929.94	-1731.66
1	FID	ACIS-S-2	6.95	1989	-0.094	-0.018	0.009	0.015	0.000000	0.000000	-765.75	-1736.93
2	FID	ACIS-S-6	7.16	1990	-0.001	0.028	0.011	0.018	0.000000	0.000000	395.22	809.00
3	GUIDE	300941832	8.94	3975	-0.057	0.013	0.078	0.122	20.525278	33.237138	381.70	-1045.44
4	GUIDE	300945960	9.32	3969	-0.087	-0.091	0.114	0.184	20.665202	33.720044	-1004.58	84.66
5	GUIDE	300946312	9.06	3978	0.207	-0.021	0.109	0.172	21.172860	33.025821	1907.71	390.33
6	GUIDE	300948240	8.11	3977	0.083	-0.042	0.067	0.105	21.318271	32.949093	2345.45	669.72
7	GUIDE	301471176	9.78	3972	-0.149	0.137	0.133	0.216	21.361136	33.909135	-726.99	2257.89

2.4 Star Slots

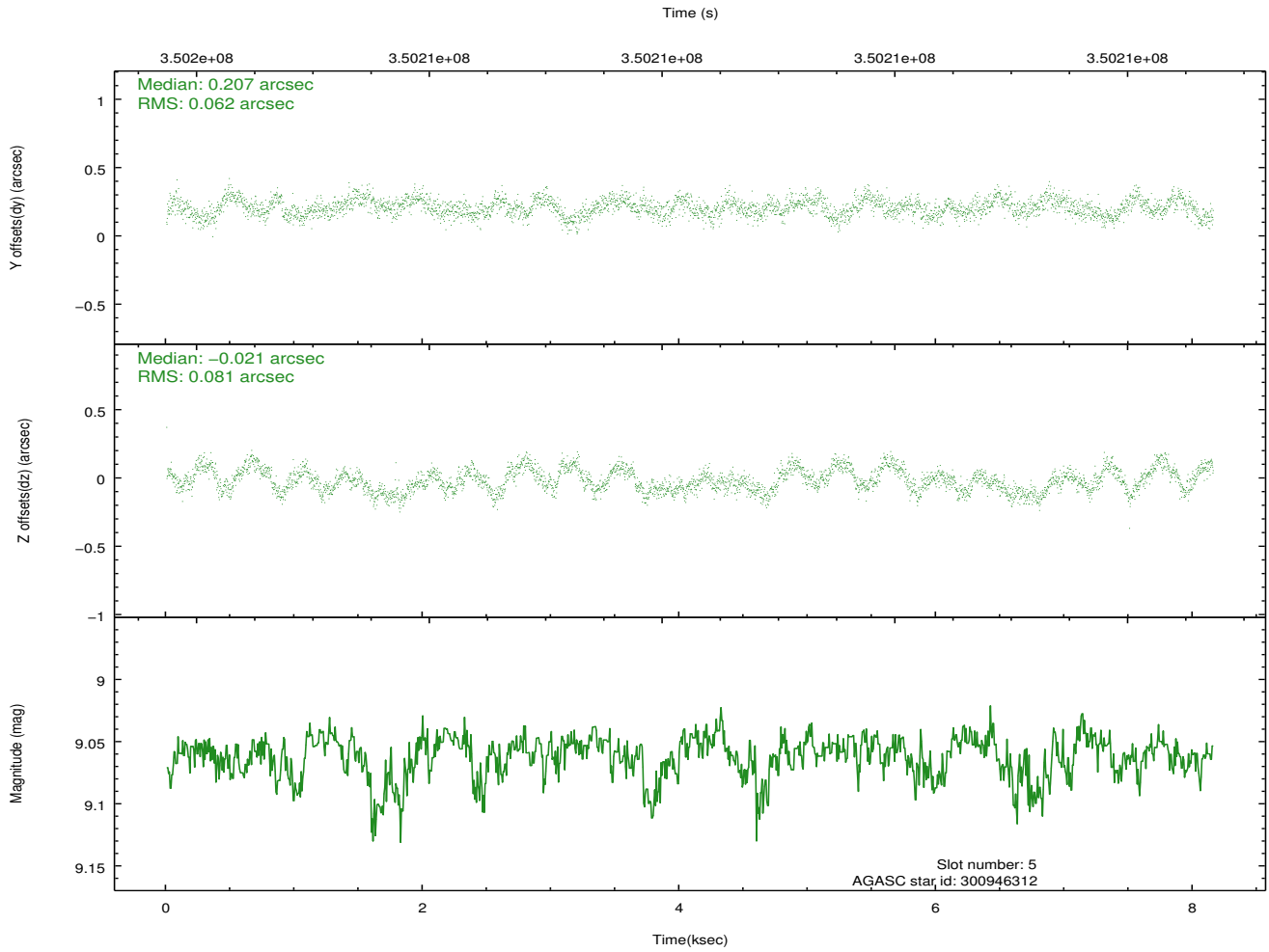
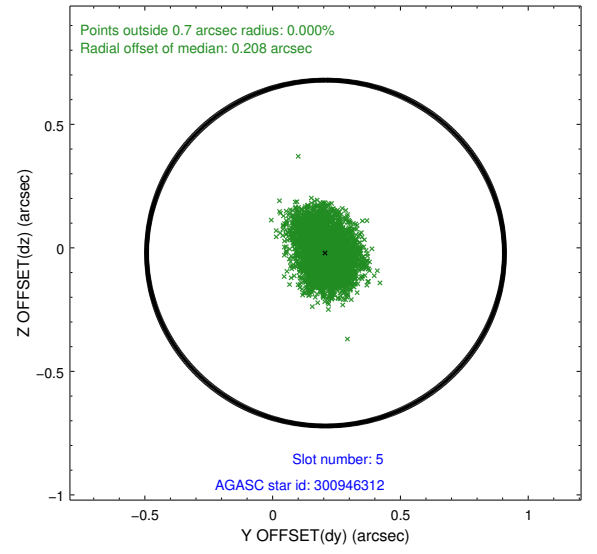
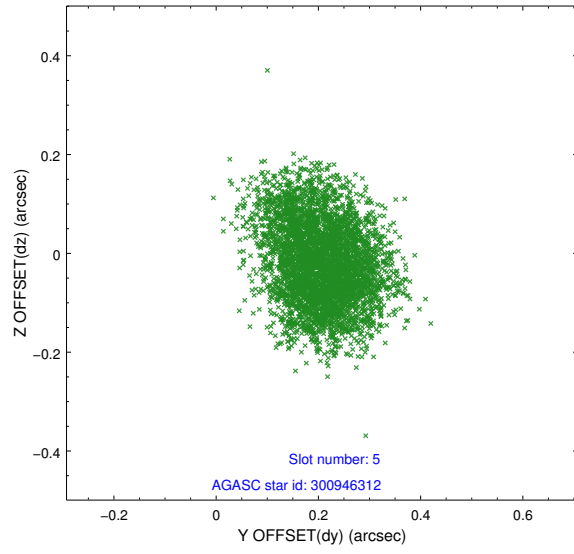
2.4.1 Slot 3



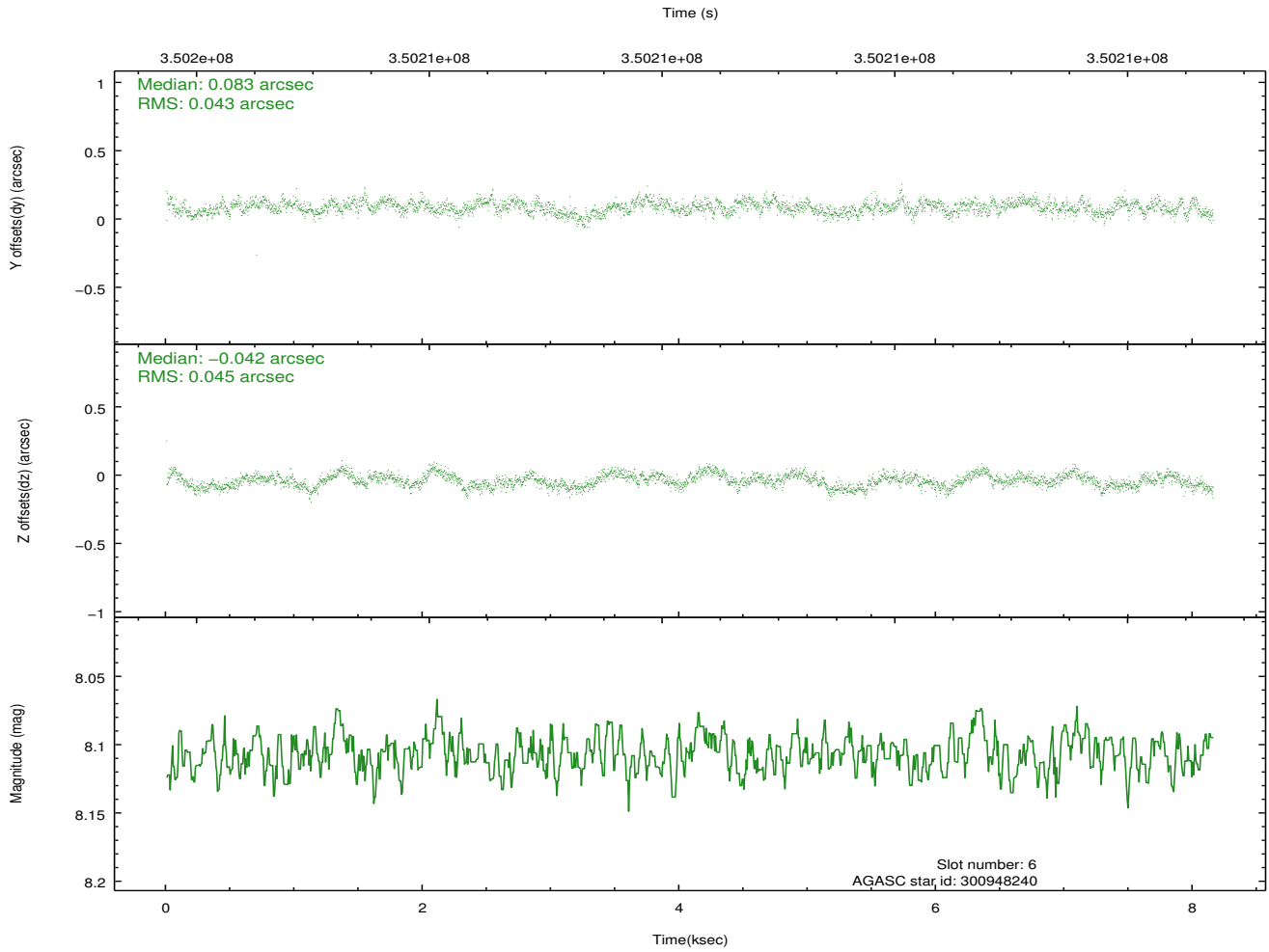
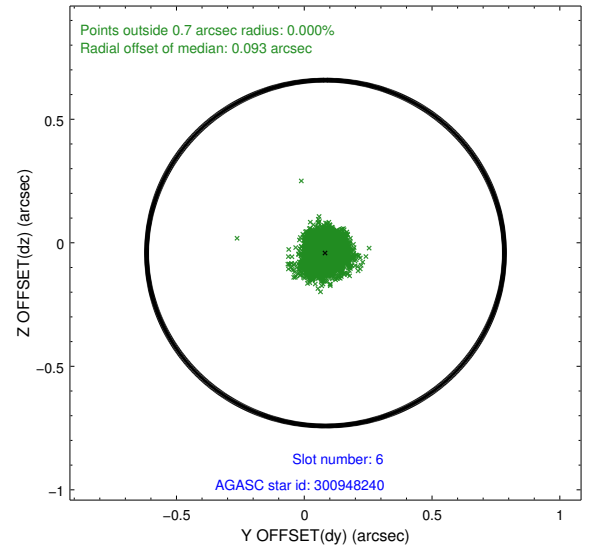
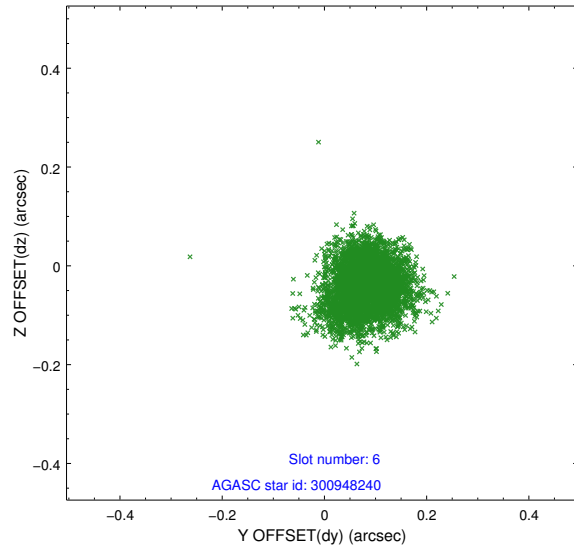
2.4.2 Slot 4



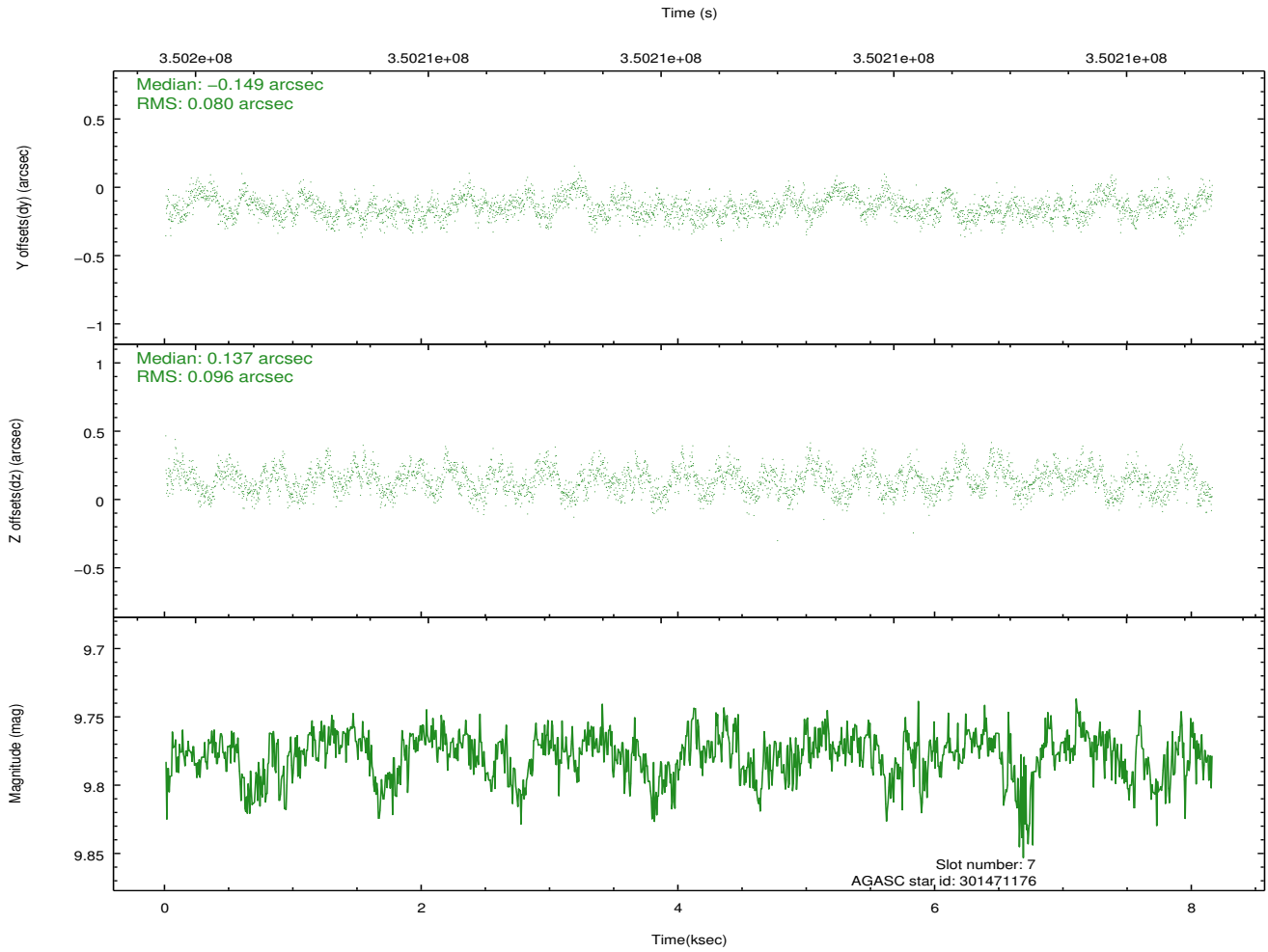
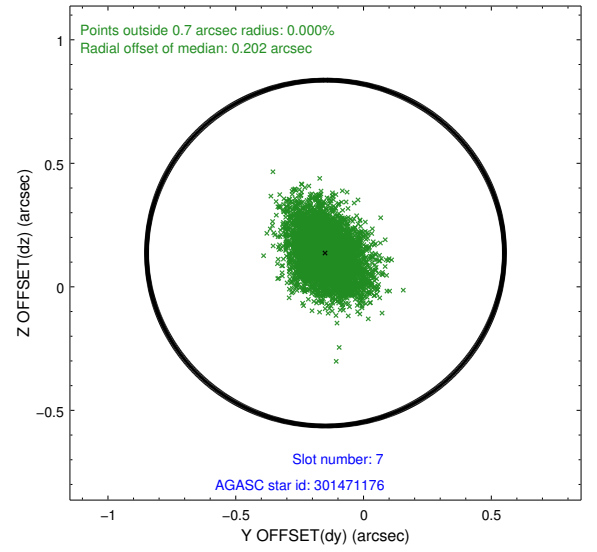
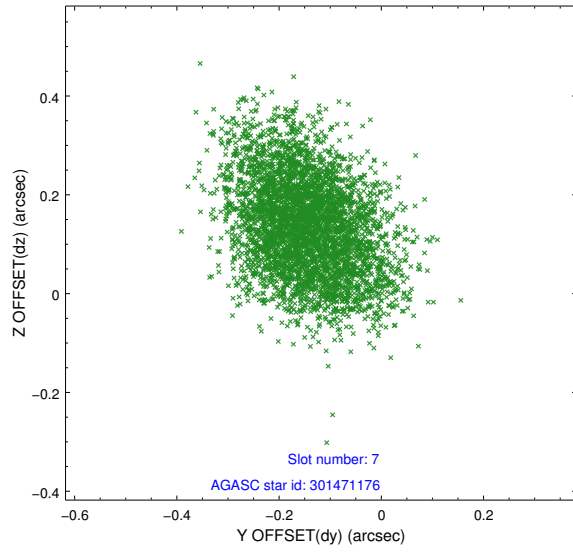
2.4.3 Slot 5



2.4.4 Slot 6

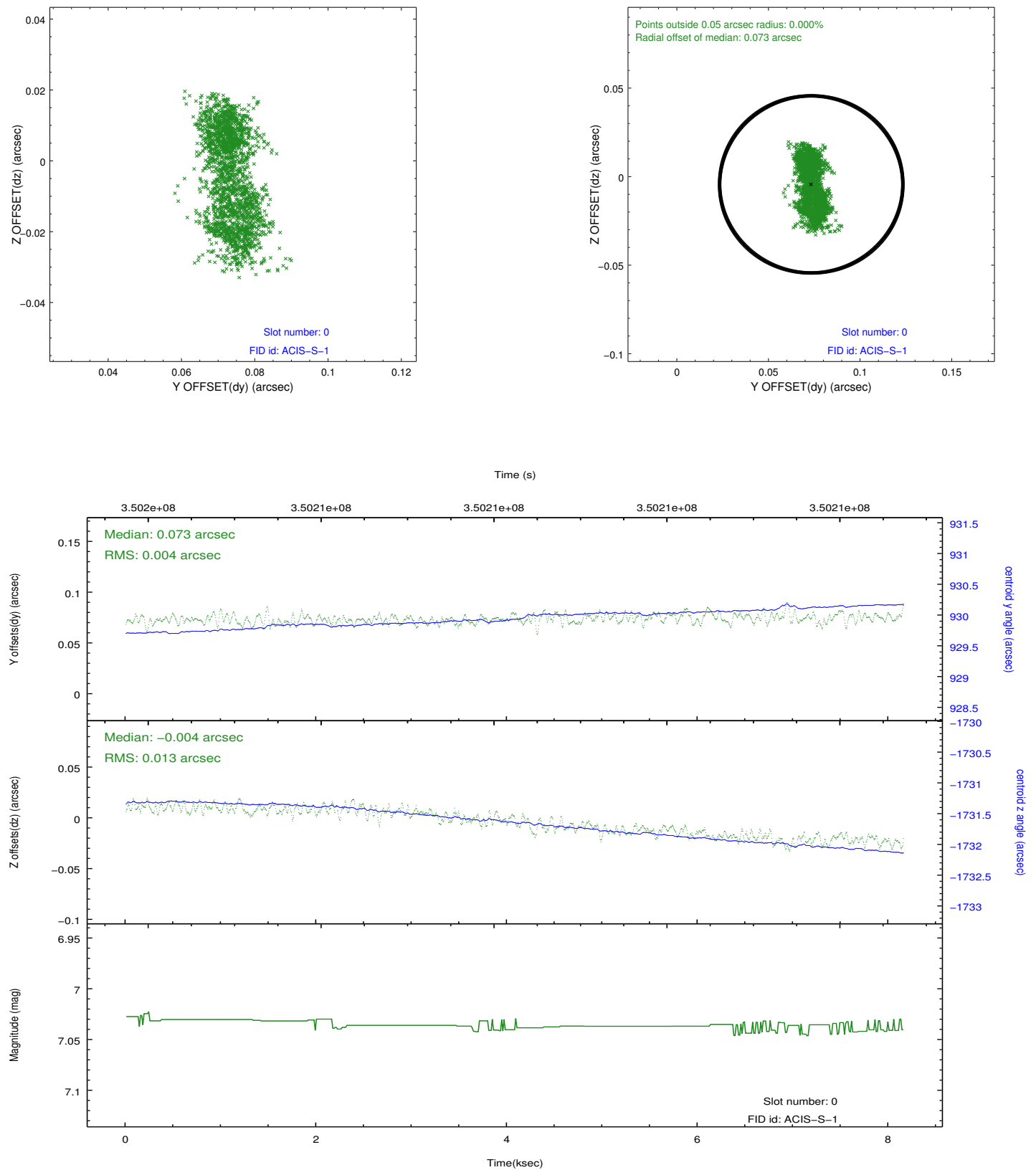


2.4.5 Slot 7

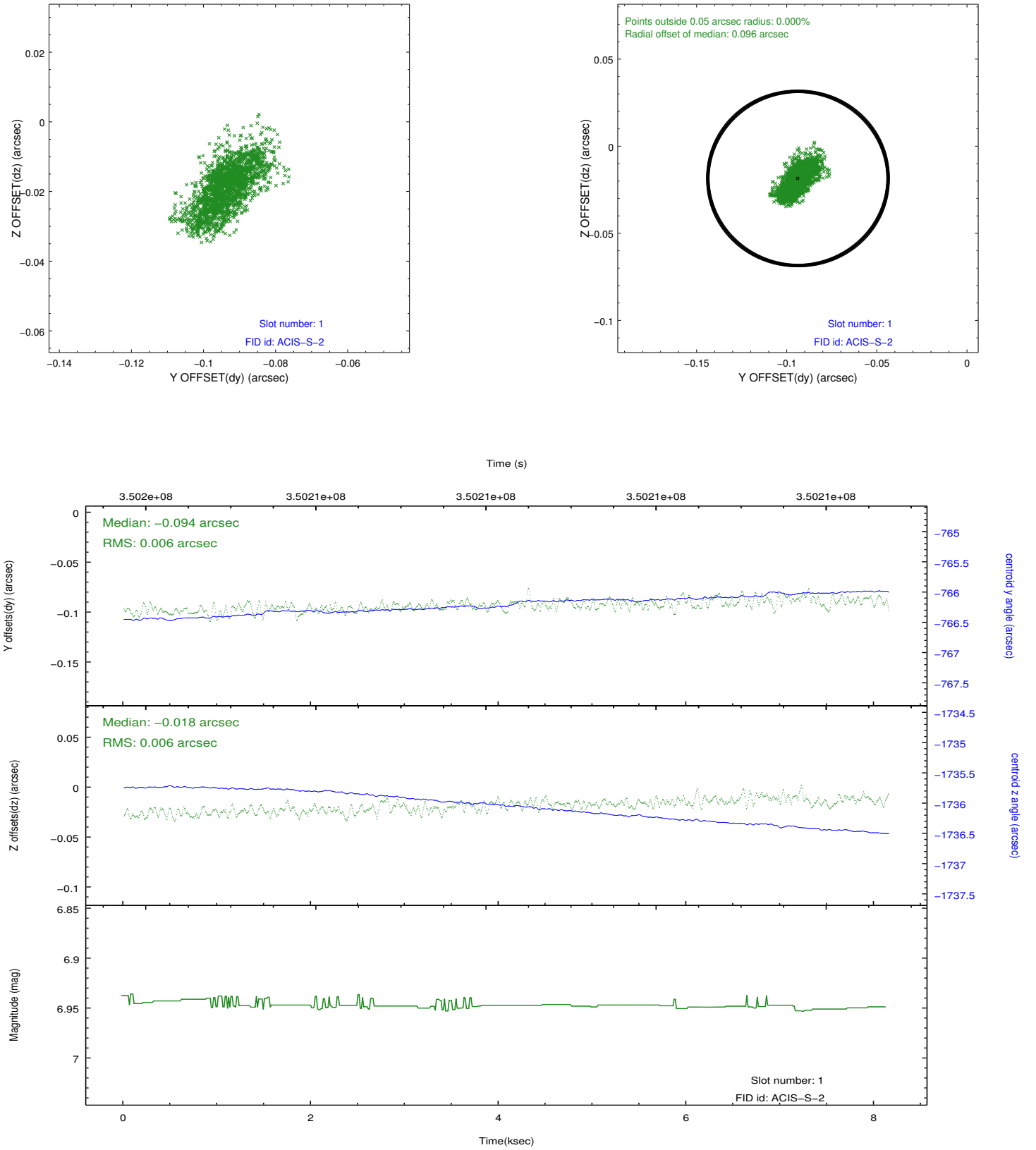


2.5 FID Slots

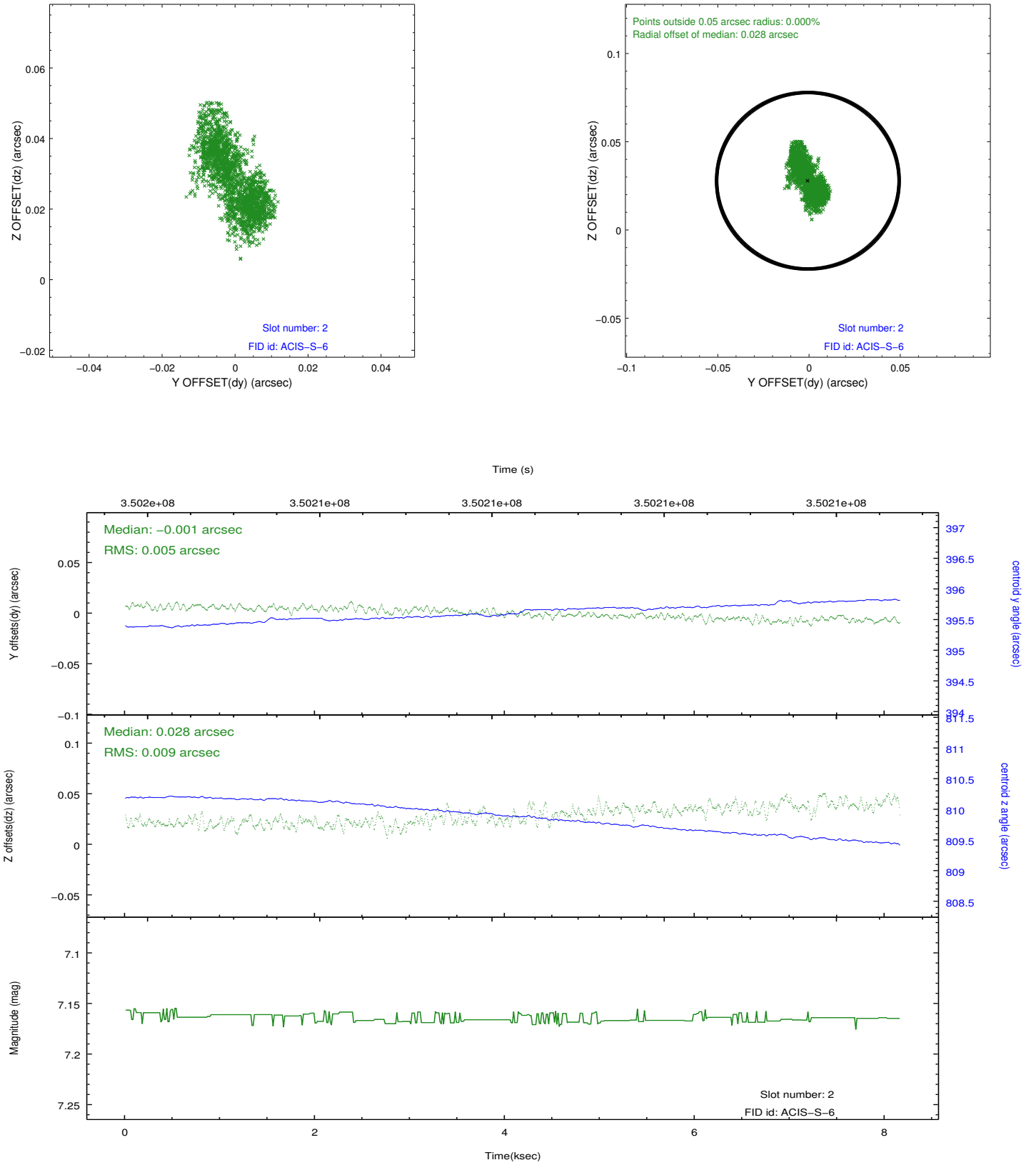
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.14990006

A.2 Comments