

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10145 - L2 Version 2
Chandra X-Ray Center

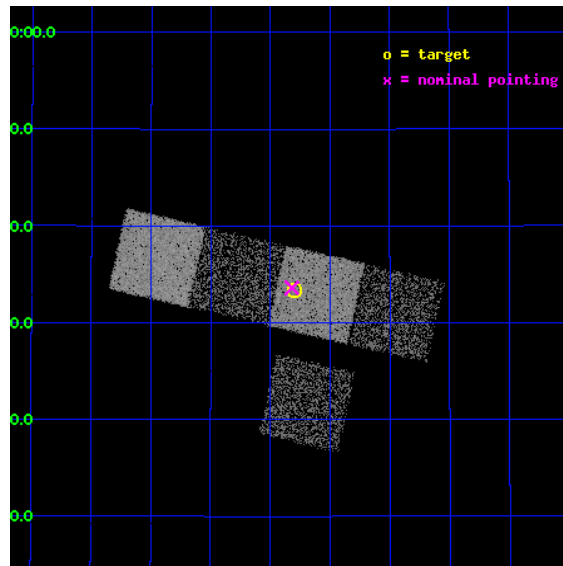
L2 Processing Date : May 28 2012

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1 Front

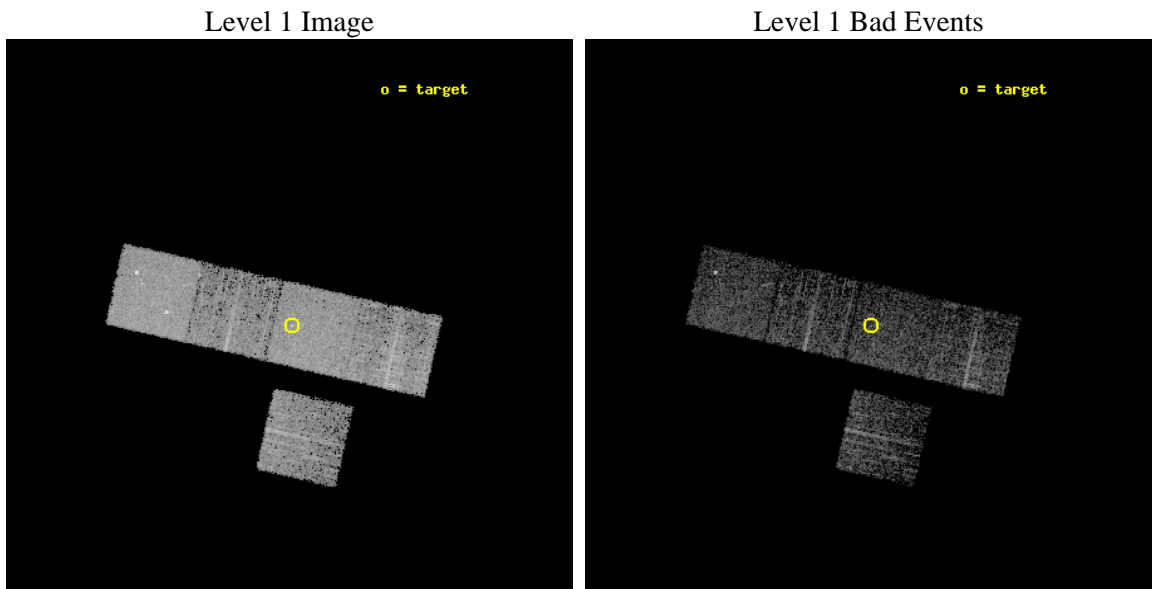
seq_num	501072	Sequence number
obs_id	10145	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ184919.2+333310	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	282.325833	Observer's specified target RA [deg]
dec_targ	33.556861	Observer's specified target Dec [deg]
ra_nom	282.32996191099	Nominal RA [deg]
dec_nom	33.560248857222	Nominal Dec [deg]
roll_nom	12.798400210599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2123.5000163317	Sum of GTIs [s]
livetime	2095.7549253203	Livetime [s]
ontime3	2123.5000163317	Sum of GTIs [s]
ontime5	2123.5000163317	Sum of GTIs [s]
ontime6	2123.5000163317	Sum of GTIs [s]
ontime7	2123.5000163317	Sum of GTIs [s]
ontime8	2123.5000163317	Sum of GTIs [s]
l2events	34765	Number of level 2 events



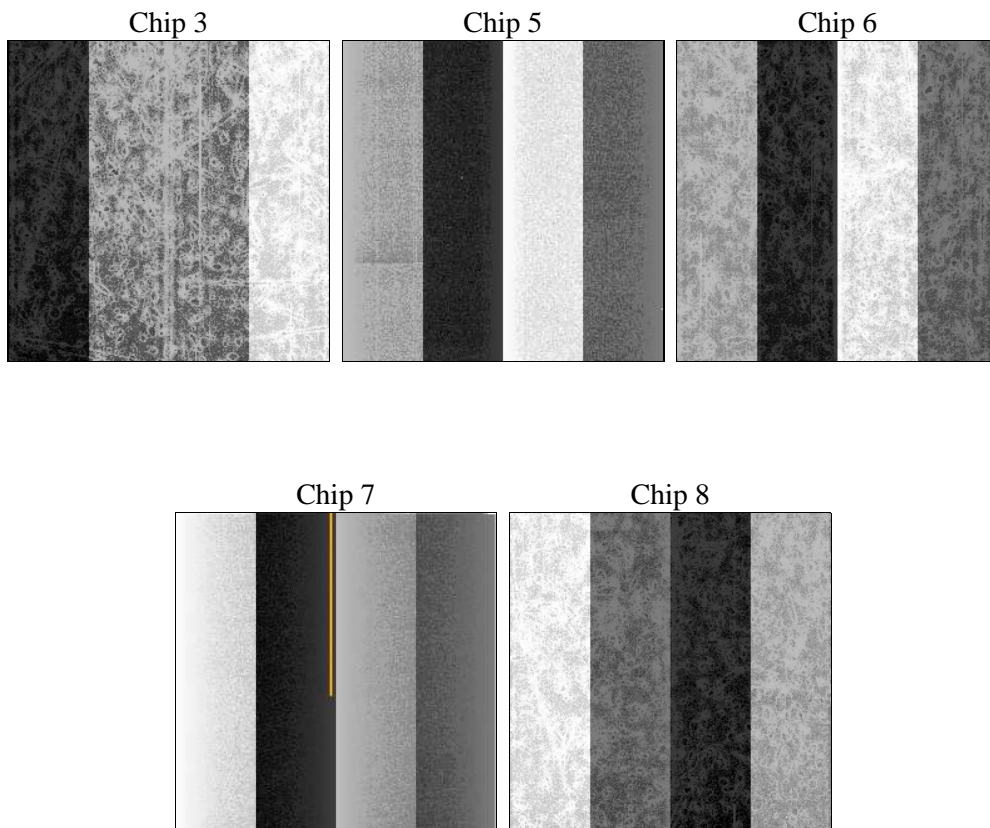
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2123.5000163317	Sum of GTIs [s]
caldbver	4.4.9	 	ontime3	2123.5000163317	Sum of GTIs [s]
date	2012-05-29T01:02:13	Date and time of file creation	ontime5	2123.5000163317	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2123.5000163317	Sum of GTIs [s]
			ontime7	2123.5000163317	Sum of GTIs [s]
			ontime8	2123.5000163317	Sum of GTIs [s]
			l1events	162662	Number of level 1 events

2.1.4 Events

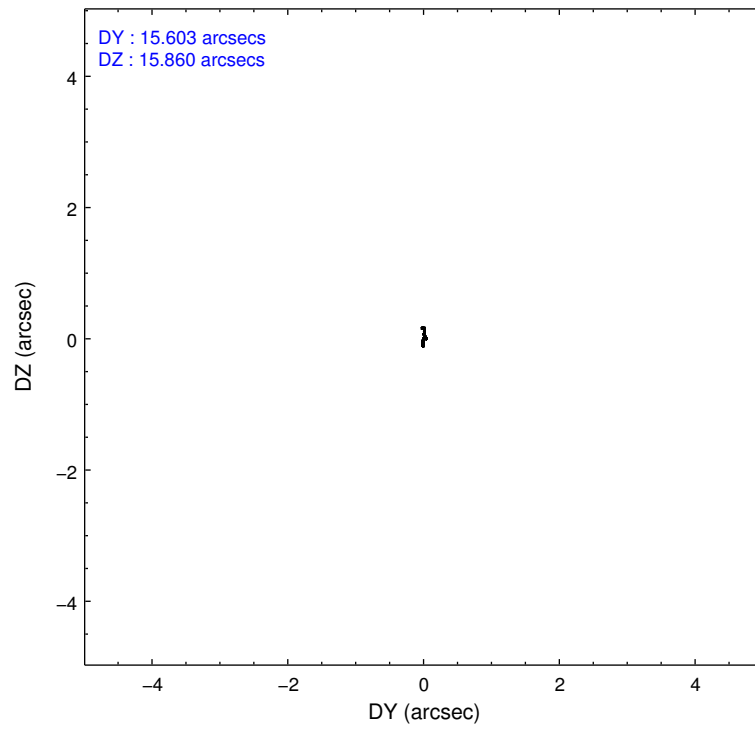
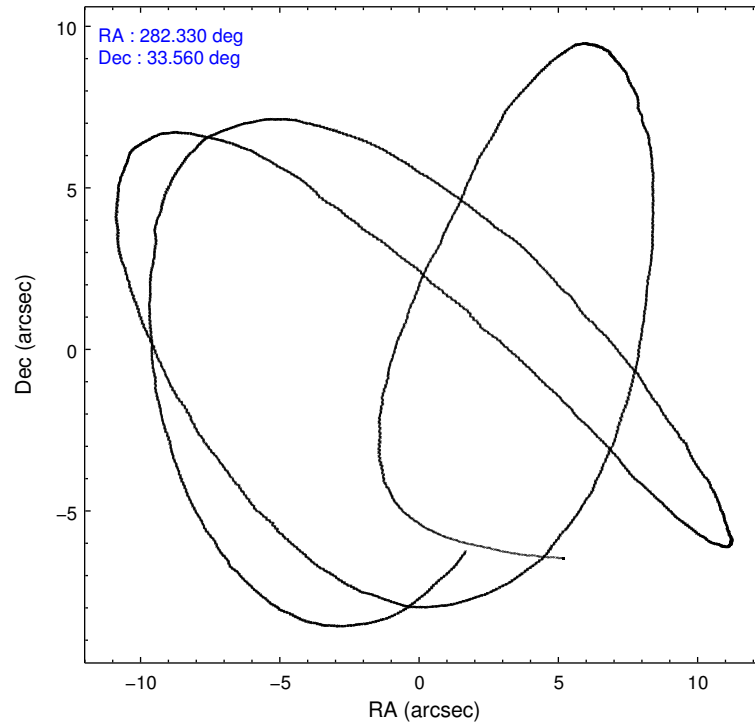
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24751	42241	25059	37064	33547
rejected events	22076	25934	22372	24122	26929
rejected %	89%	61%	89%	65%	80%

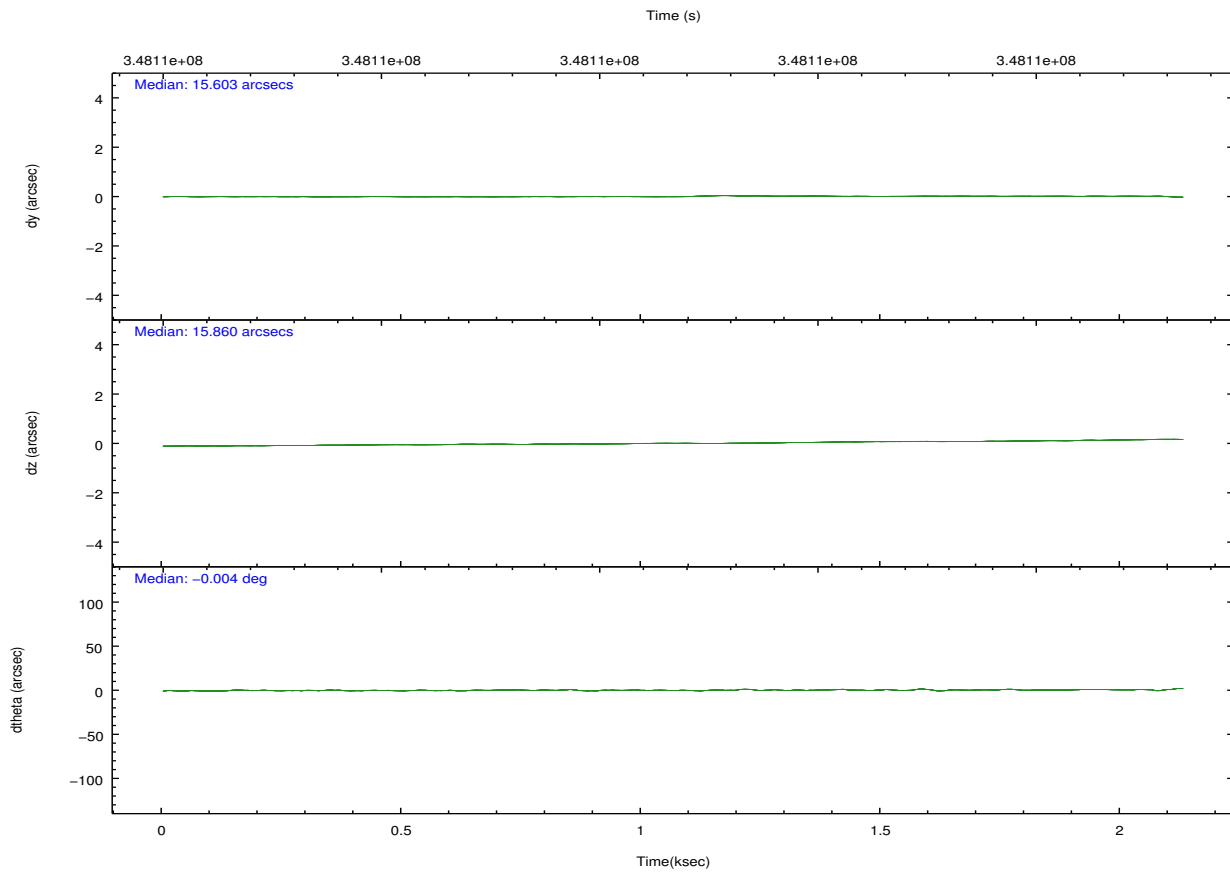
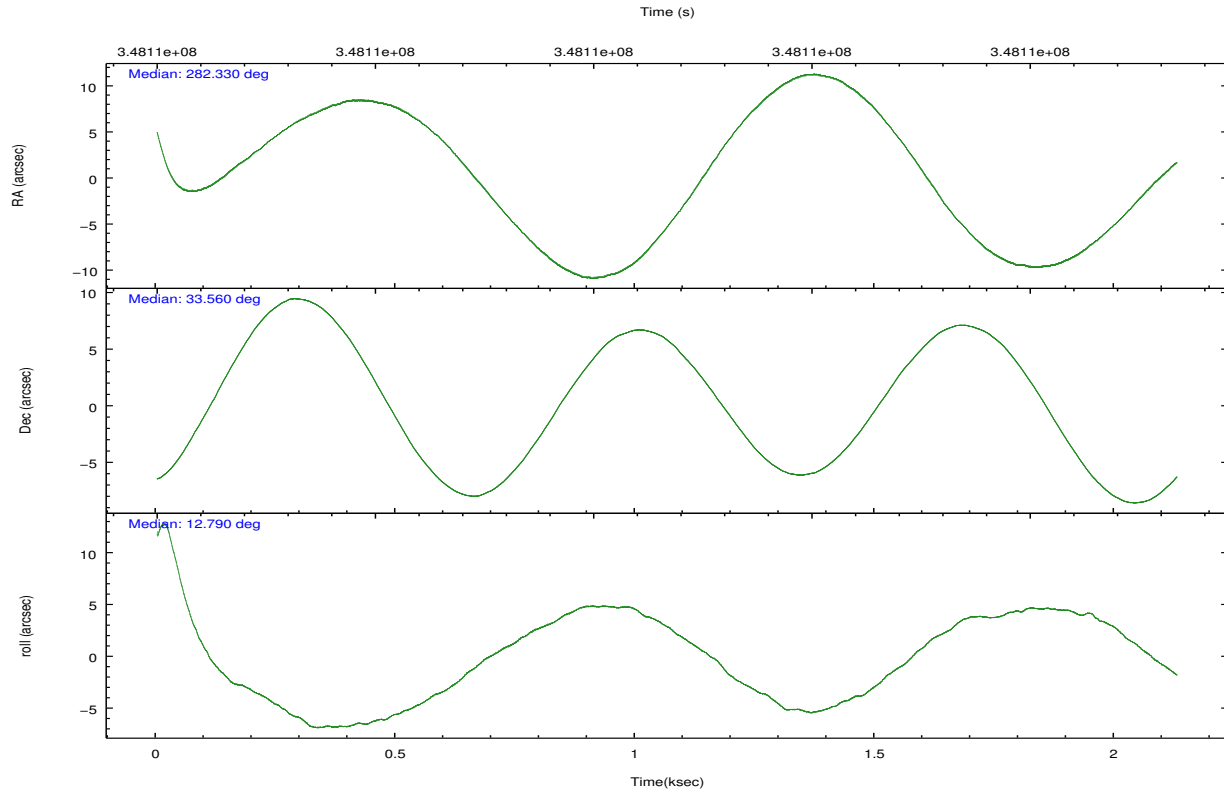
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1422	1987	1229	1408	2561
	5%	4%	4%	3%	7%
grade 1 events	17	523	21	32	28
	0%	1%	0%	0%	0%
grade 2 events	597	6091	701	3193	1820
	2%	14%	2%	8%	5%
grade 3 events	276	630	294	1362	835
	1%	1%	1%	3%	2%
grade 4 events	309	721	283	1363	779
	1%	1%	1%	3%	2%
grade 5 events	1250	2950	1204	3513	1687
	5%	6%	4%	9%	5%
grade 6 events	594	10086	692	8178	2158
	2%	23%	2%	22%	6%
grade 7 events	20286	19253	20635	18015	23679
	81%	45%	82%	48%	70%

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	282.306223	282.3299619109903	CCD I2 on	N	N
[deg] Pointing Dec	33.541408	33.56024885722224	CCD I3 on	Y	Y
[deg] Pointing Roll	12.654818	12.79840021059884	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	348112231.184000	348110929.46994	CCD S5 on	N	N
Observation start date	2009-01-12T01:49:25	2009-01-12T01:28:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	348114231.184000	348115192.95765	On-chip summing requested	N	N
Observation end date	2009-01-12T02:22:45	2009-01-12T02:39:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



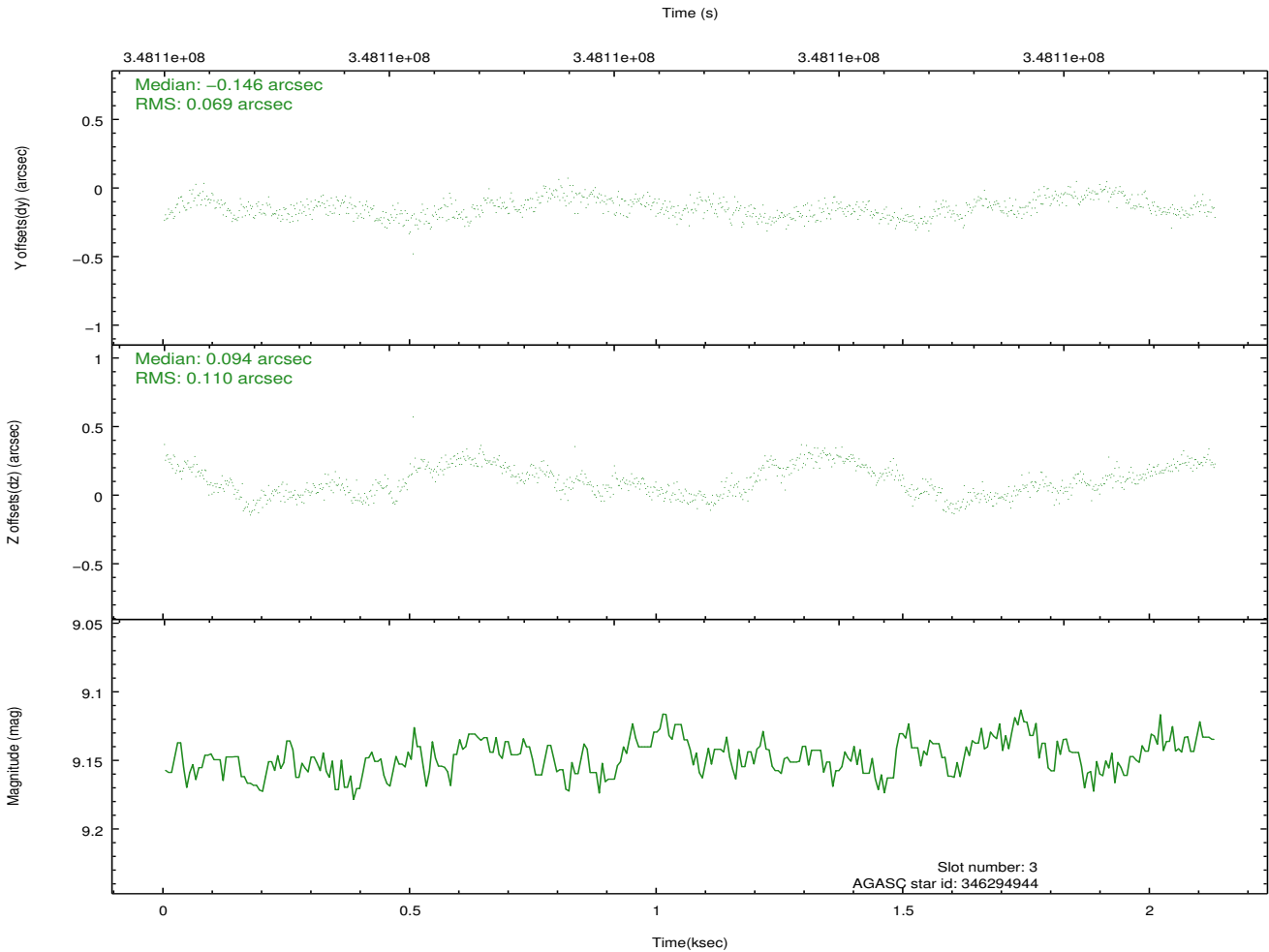
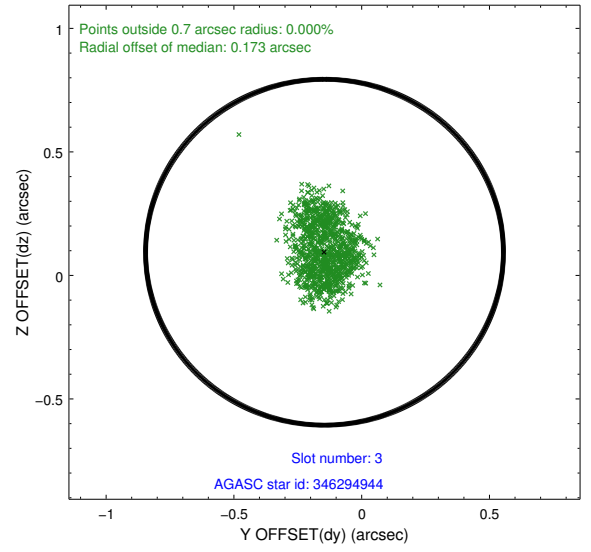
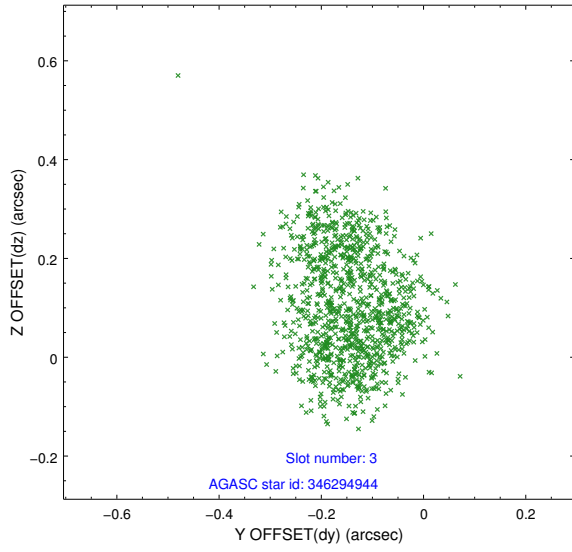


Slot Statistics

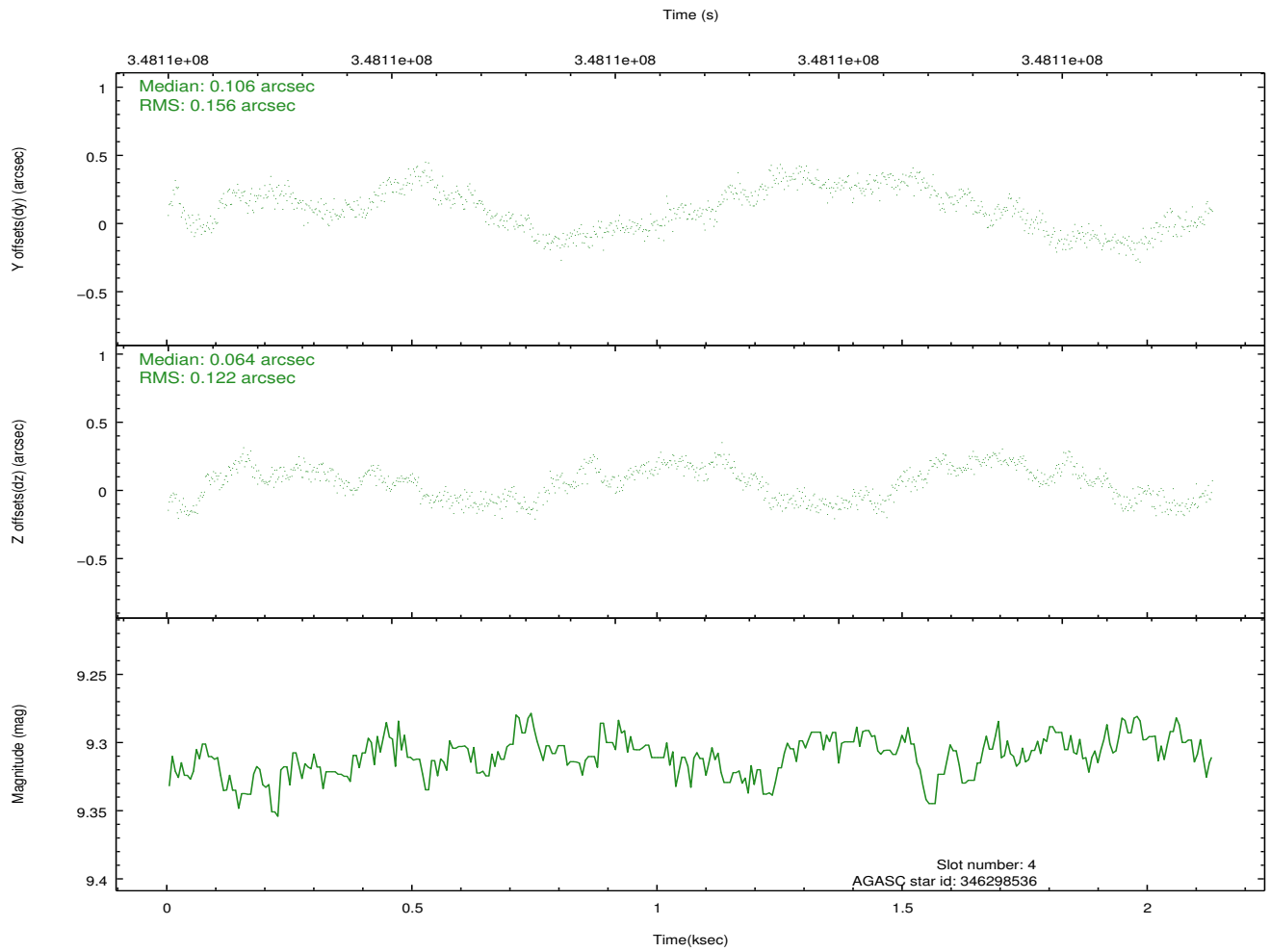
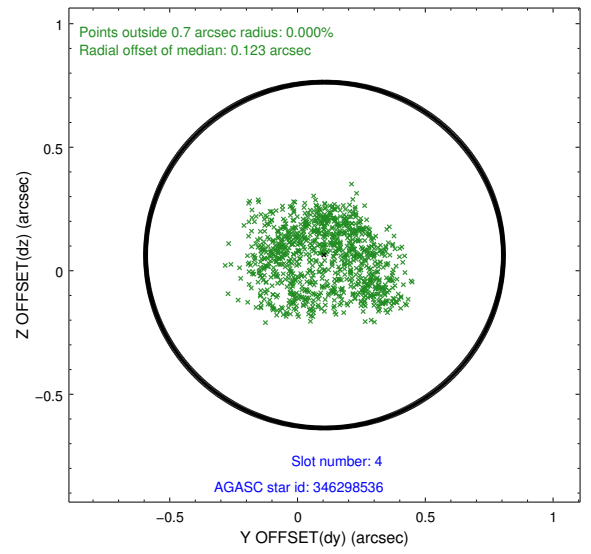
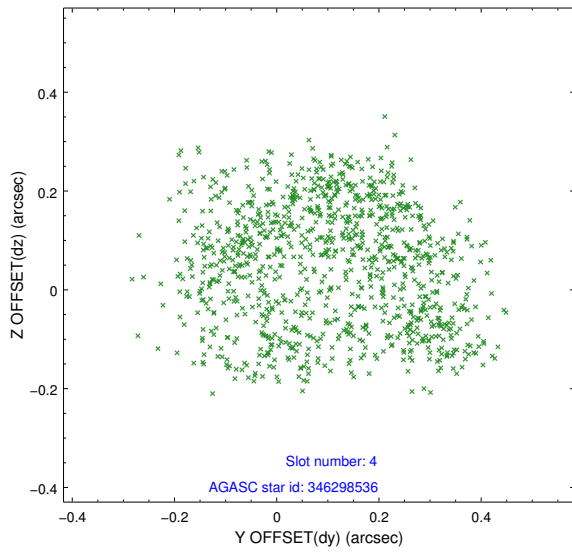
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	520	-0.091	0.003	0.006	0.009	0.000000	0.000000	-768.68	-1737.27
1	FID	ACIS-S-4	6.96	520	0.170	0.043	0.005	0.010	0.000000	0.000000	2143.45	168.08
2	FID	ACIS-S-5	6.99	520	-0.110	-0.037	0.006	0.010	0.000000	0.000000	-1817.62	165.15
3	GUIDE	346294944	9.15	1040	-0.146	0.094	0.139	0.211	282.858349	33.180292	1339.80	-1628.19
4	GUIDE	346298536	9.31	1037	0.106	0.064	0.213	0.309	282.900708	33.458075	1679.47	-679.84
5	GUIDE	346311632	9.00	1039	0.007	0.236	0.098	0.150	282.061212	32.968341	-1171.90	-1850.36
6	GUIDE	346833616	8.54	1039	0.055	-0.123	0.082	0.137	282.437569	33.807269	592.45	846.62
7	GUIDE	346819040	6.81	1039	-0.026	-0.270	0.073	0.111	281.814936	34.098379	-988.48	2281.15

2.4 Star Slots

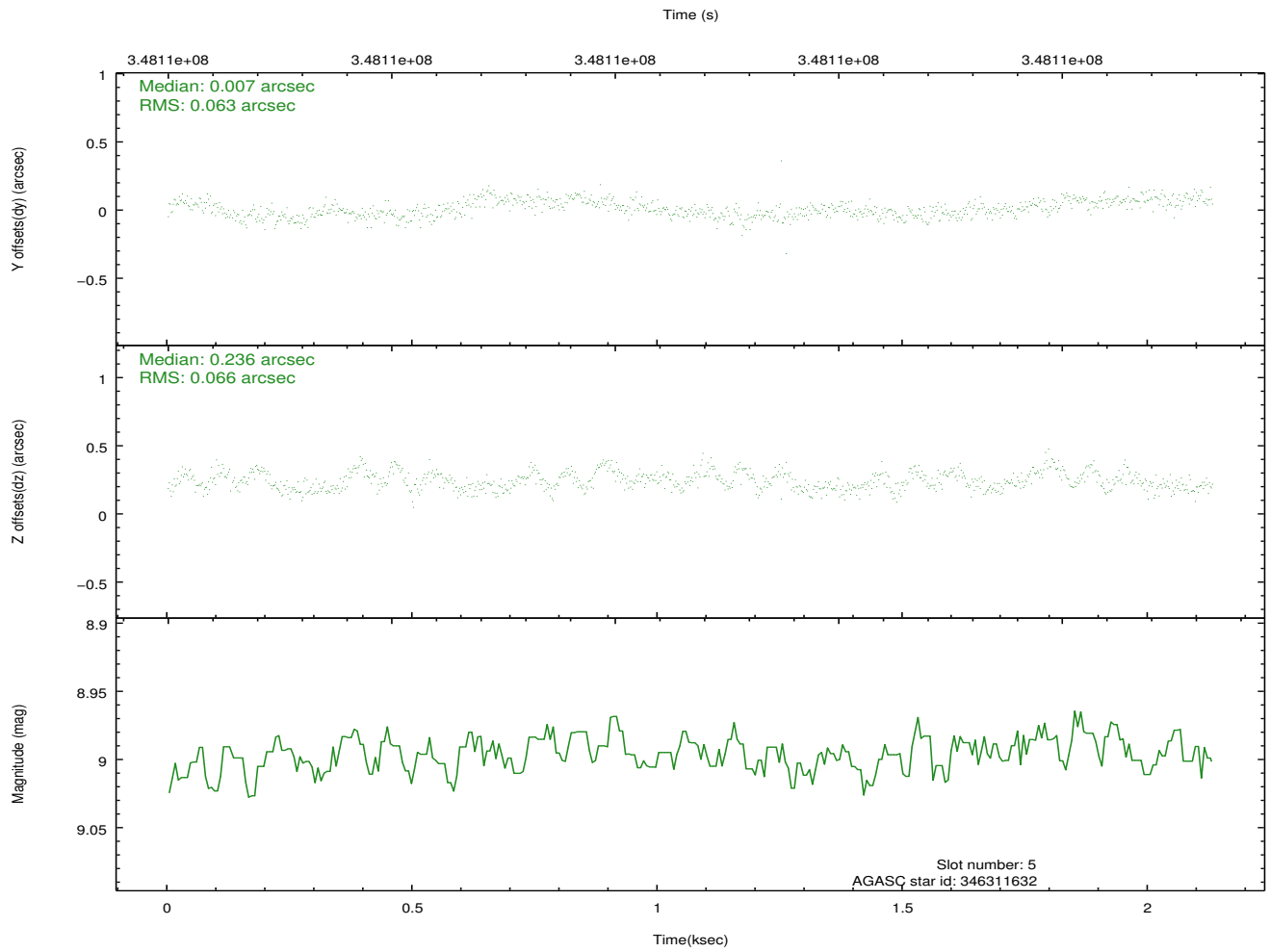
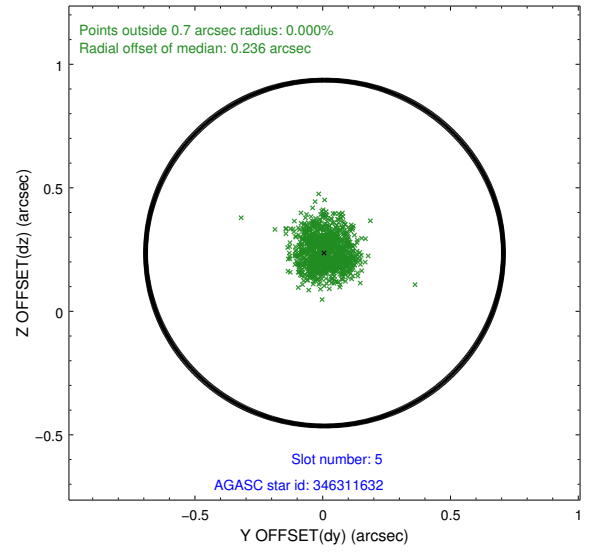
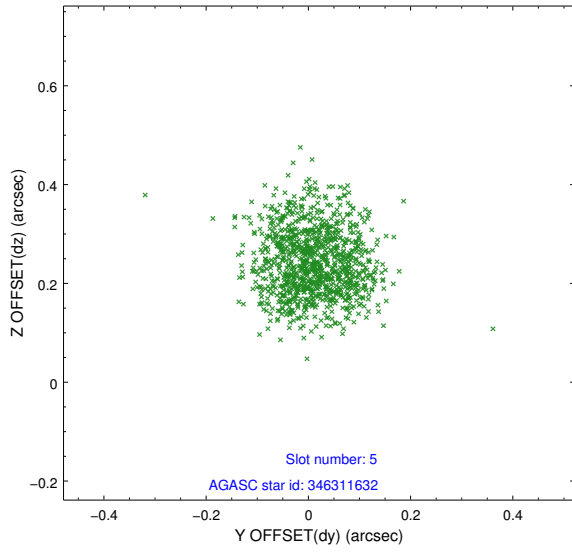
2.4.1 Slot 3



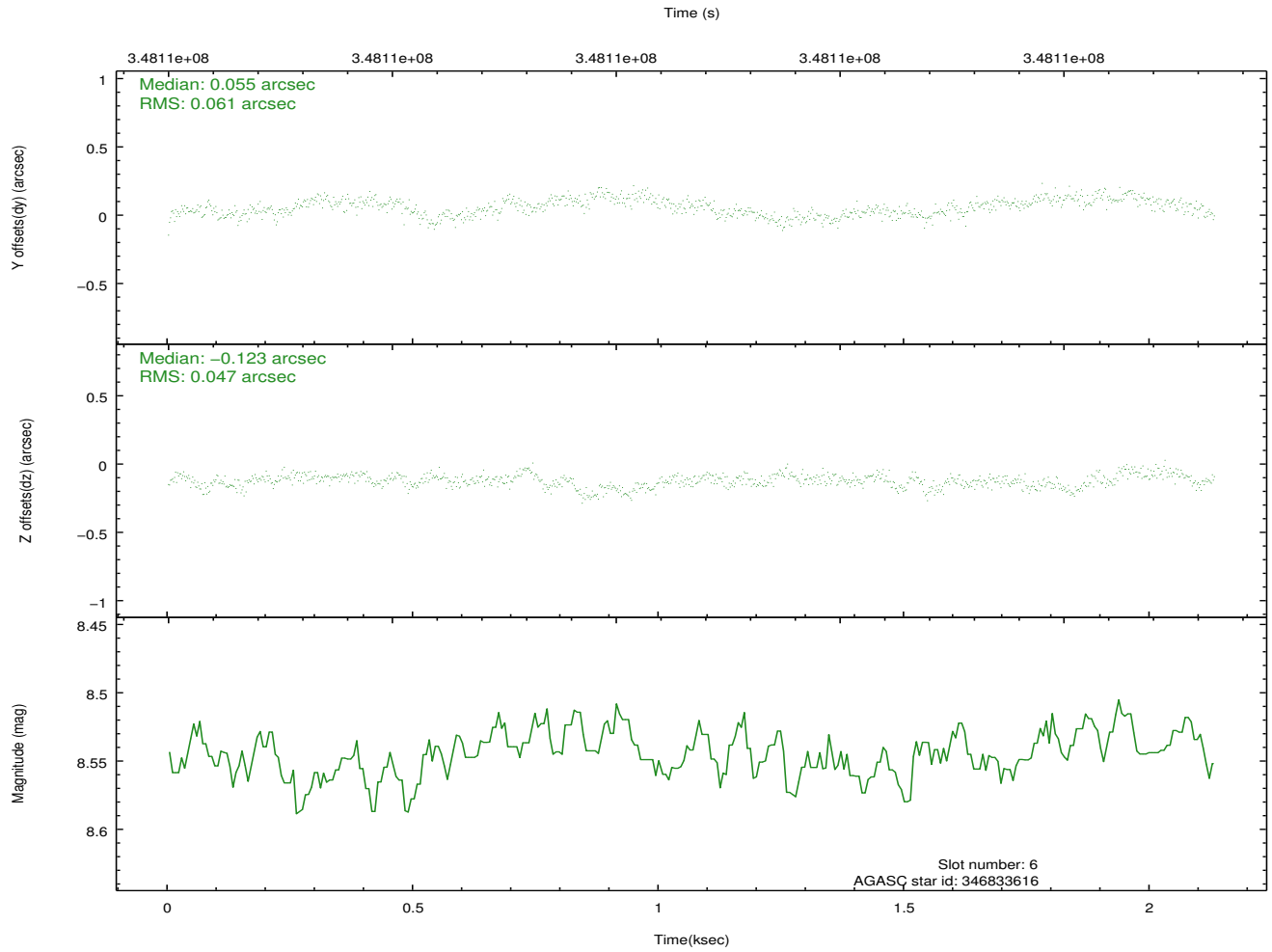
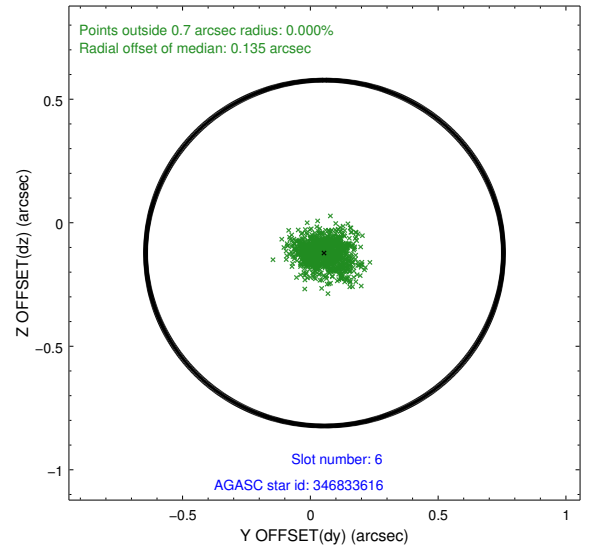
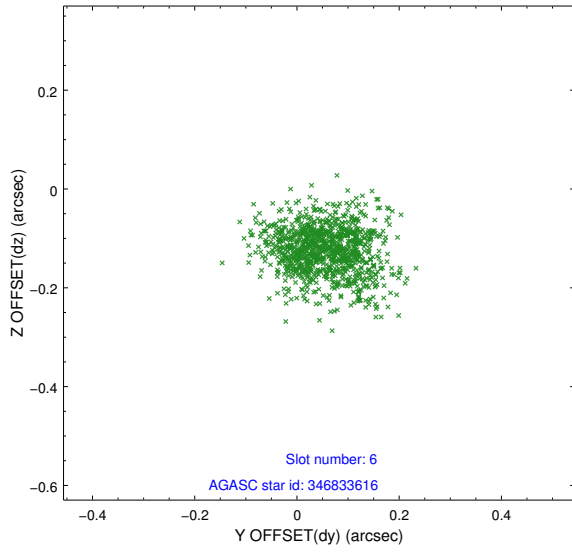
2.4.2 Slot 4



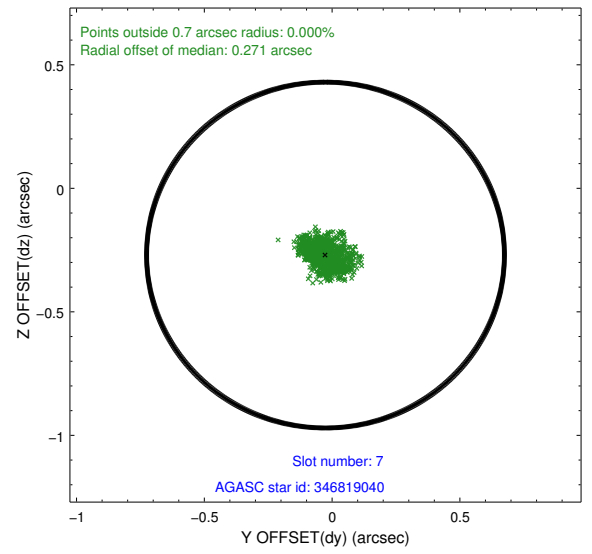
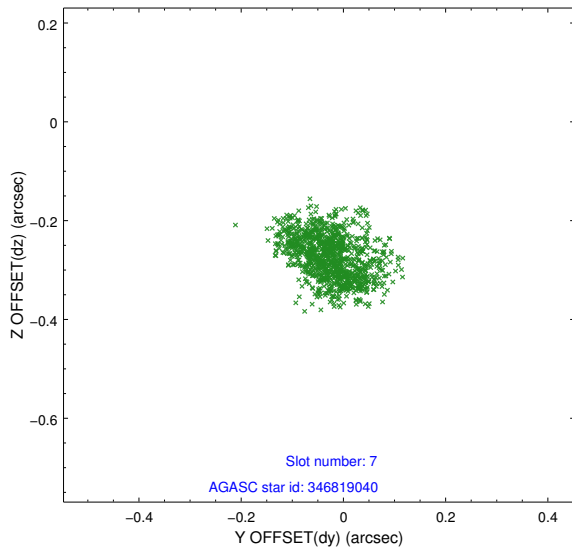
2.4.3 Slot 5



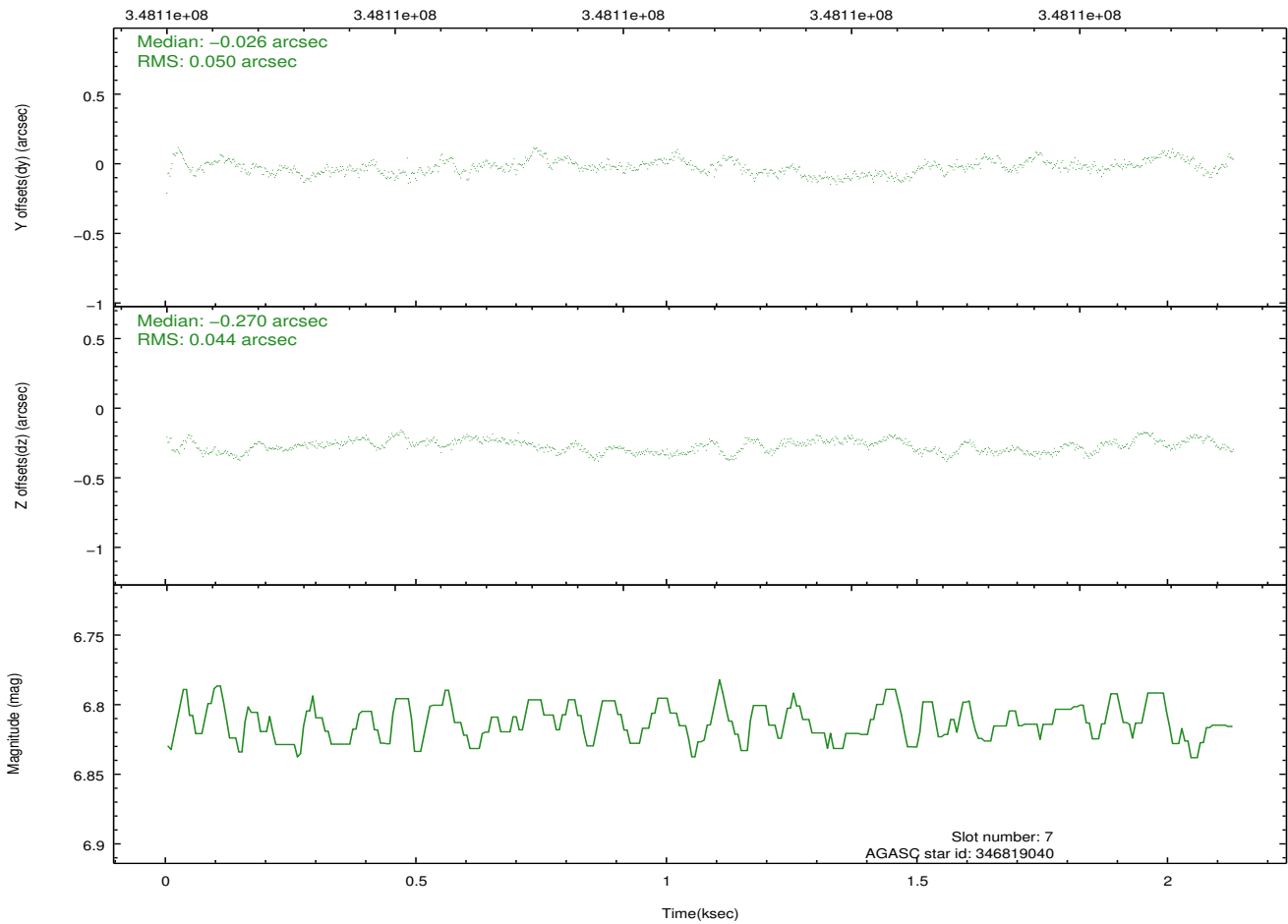
2.4.4 Slot 6



2.4.5 Slot 7

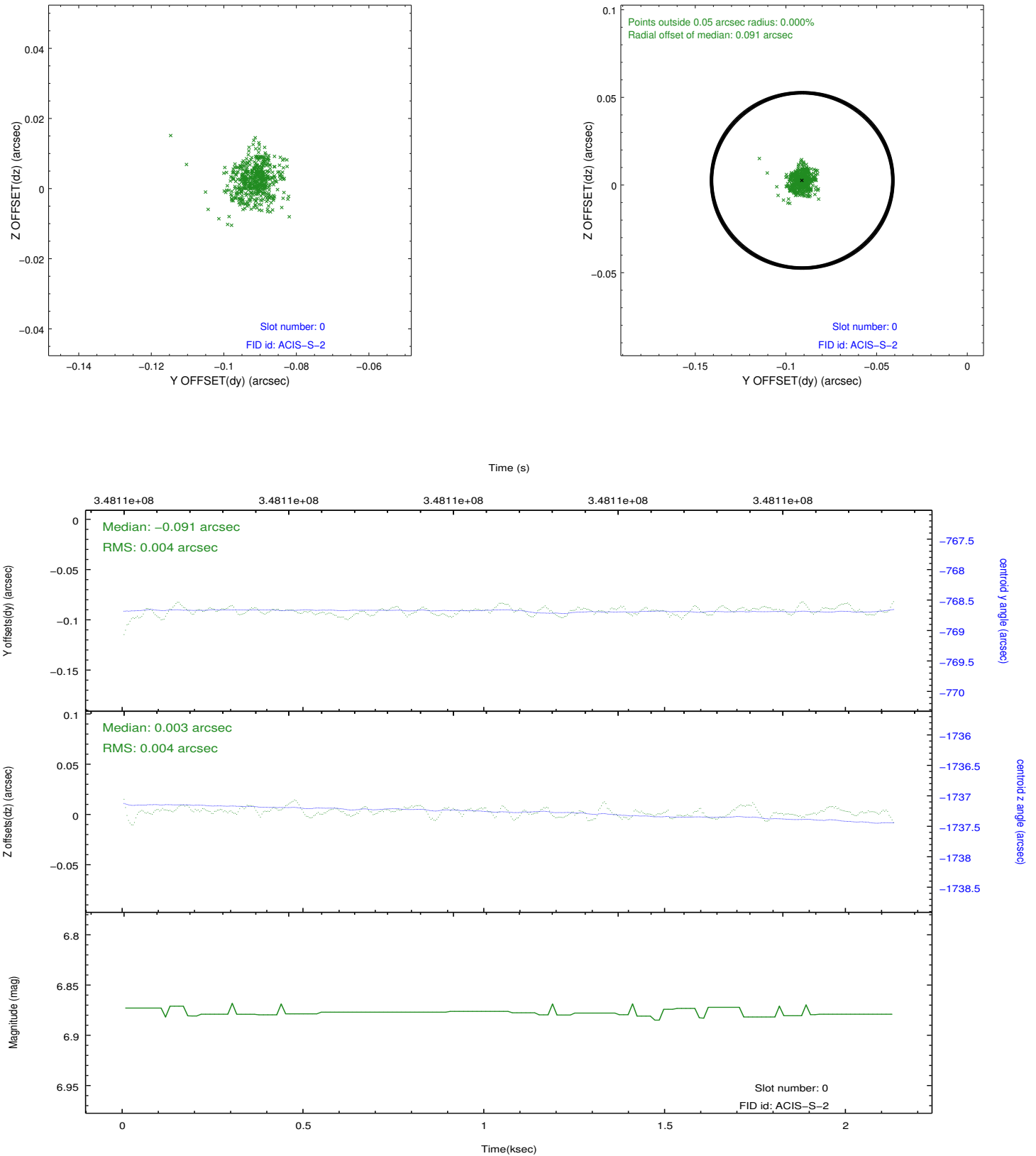


Time (s)

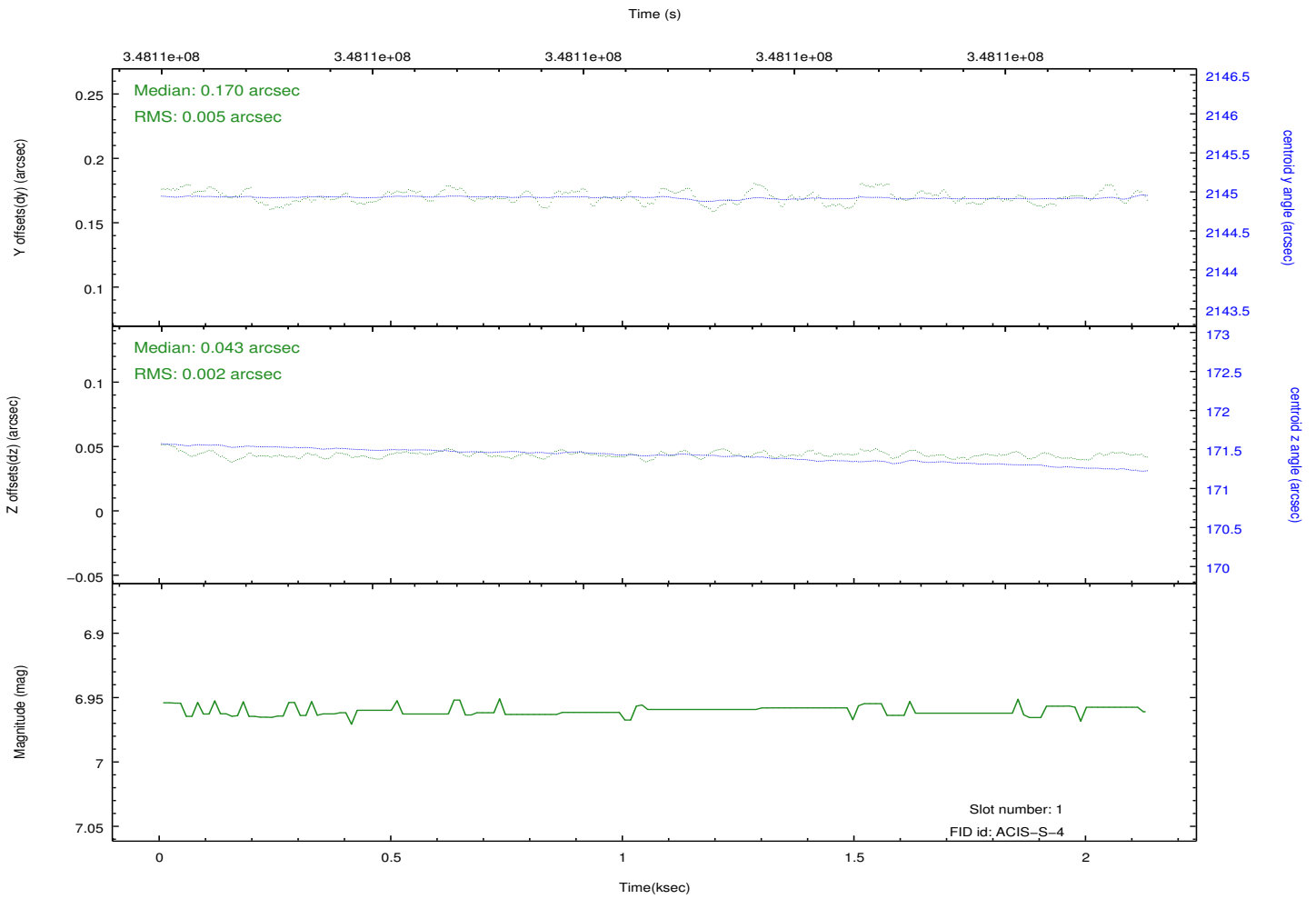
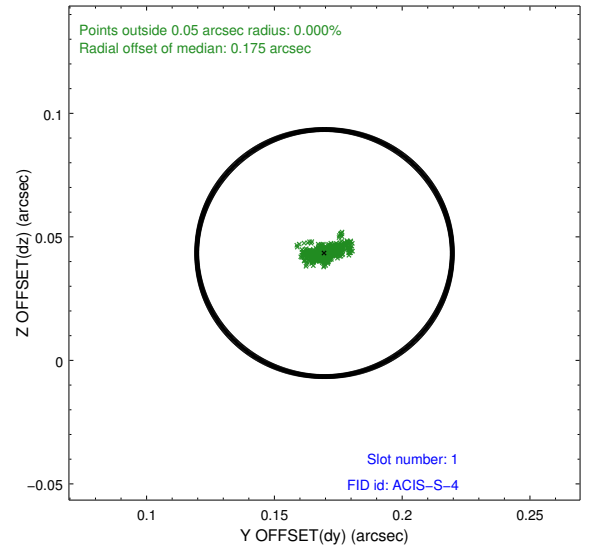
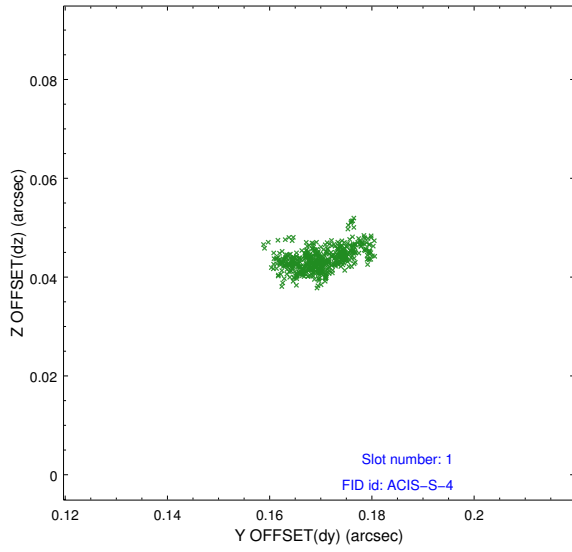


2.5 FID Slots

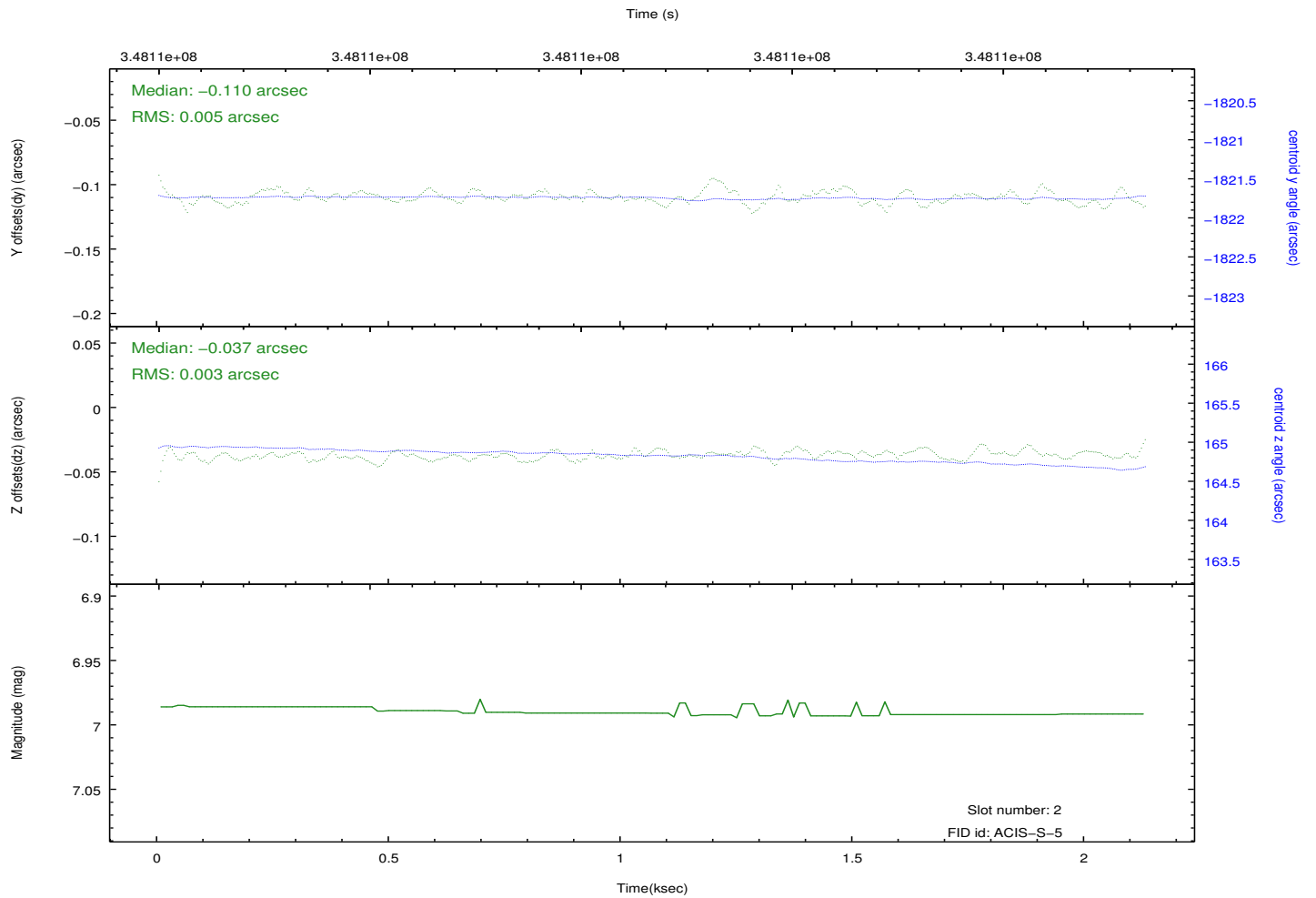
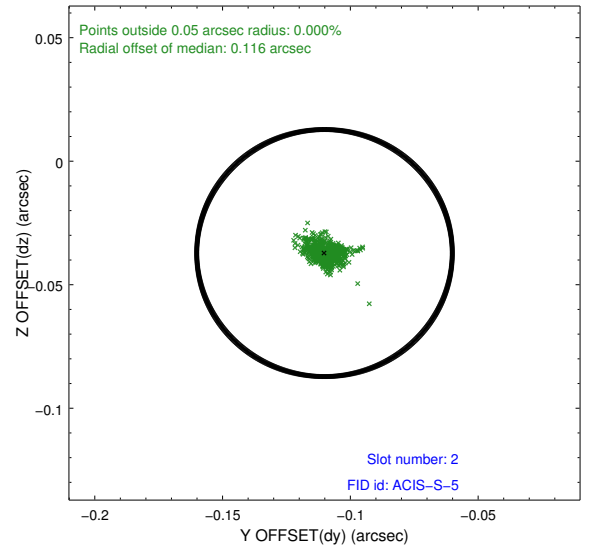
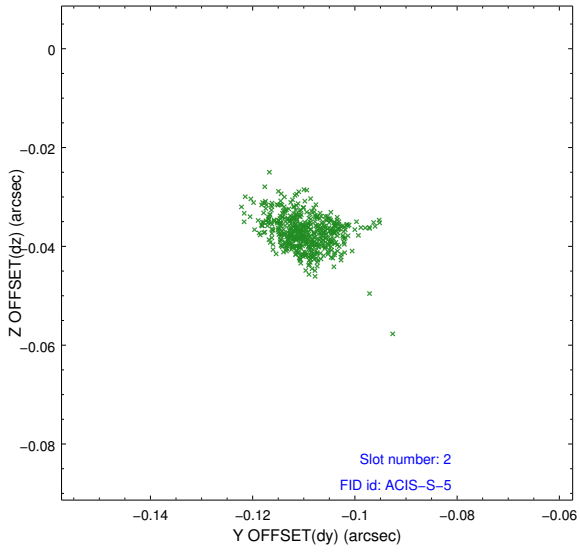
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.12350001

A.2 Comments