

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13525 - L2 Version 1
Chandra X-Ray Center

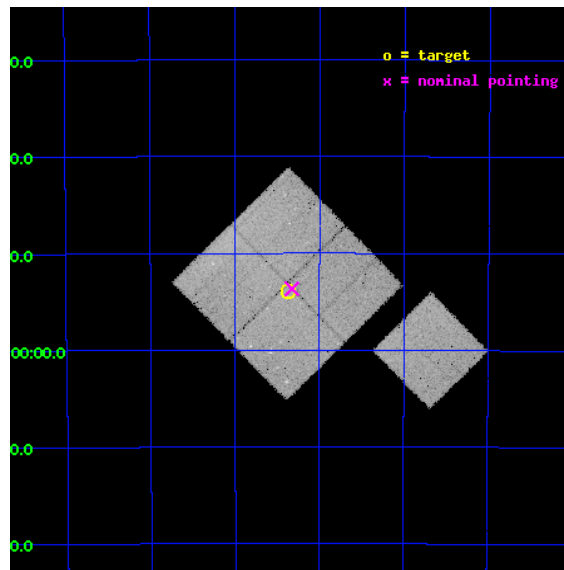
L2 Processing Date : Aug 19 2012

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1 Front

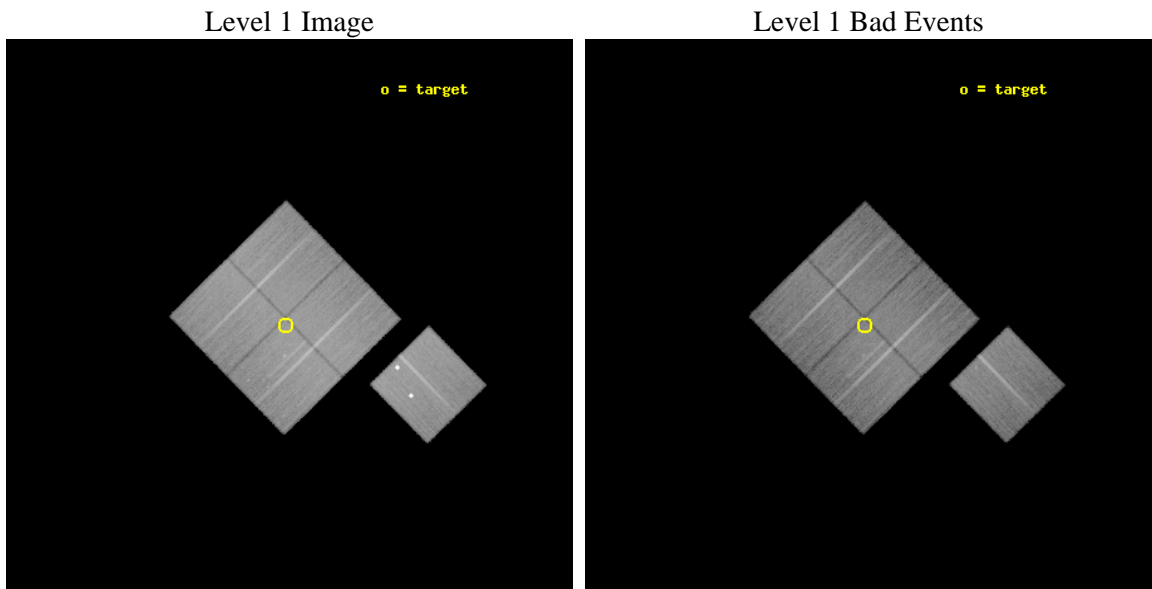
seq_num	900992	Sequence number
obs_id	13525	Observation id
title	Measuring the Temperature Structure of the A3395/A3391 Large Scale Filament in the Horologium Supercluster	Proposal title
observer	Dr. Scott Randall	Principal investigator
object	Abell 3395 Filament North	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	96.343814	Observer's specified target RA [deg]
dec_targ	-53.898357	Observer's specified target Dec [deg]
ra_nom	96.331620473981	Nominal RA [deg]
dec_nom	-53.894670431938	Nominal Dec [deg]
roll_nom	135.60570447652	Nominal Roll [deg]
revision	1	Processing version of data
ontime	49082.111286402	Sum of GTIs [s]
livetime	48440.81736872	Livetime [s]
ontime0	49081.988166392	Sum of GTIs [s]
ontime1	49082.029206395	Sum of GTIs [s]
ontime2	49078.92927599	Sum of GTIs [s]
ontime3	49082.111286402	Sum of GTIs [s]
ontime6	49075.665135801	Sum of GTIs [s]
l2events	142861	Number of level 2 events



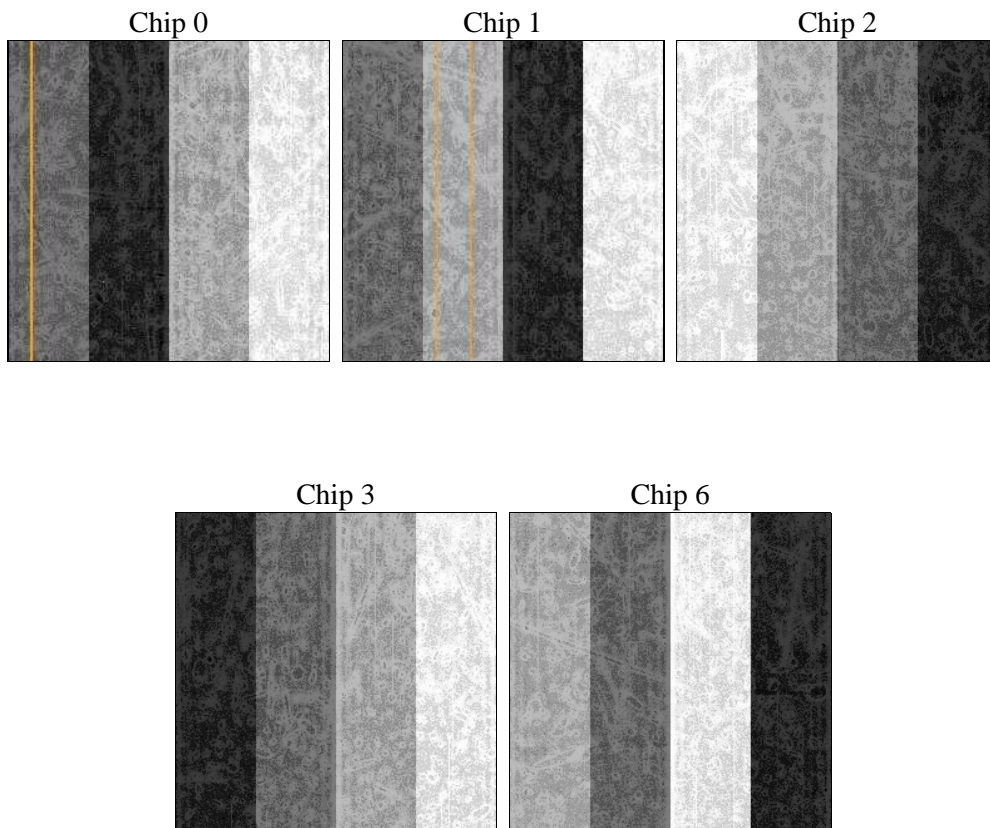
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	49000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49082.111286402	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	49081.988166392	Sum of GTIs [s]
date	2012-08-19T08:07:24	Date and time of file creation	ontime1	49082.029206395	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	49078.92927599	Sum of GTIs [s]
			ontime3	49082.111286402	Sum of GTIs [s]
			ontime6	49075.665135801	Sum of GTIs [s]
			l1events	1275244	Number of level 1 events

2.1.4 Events

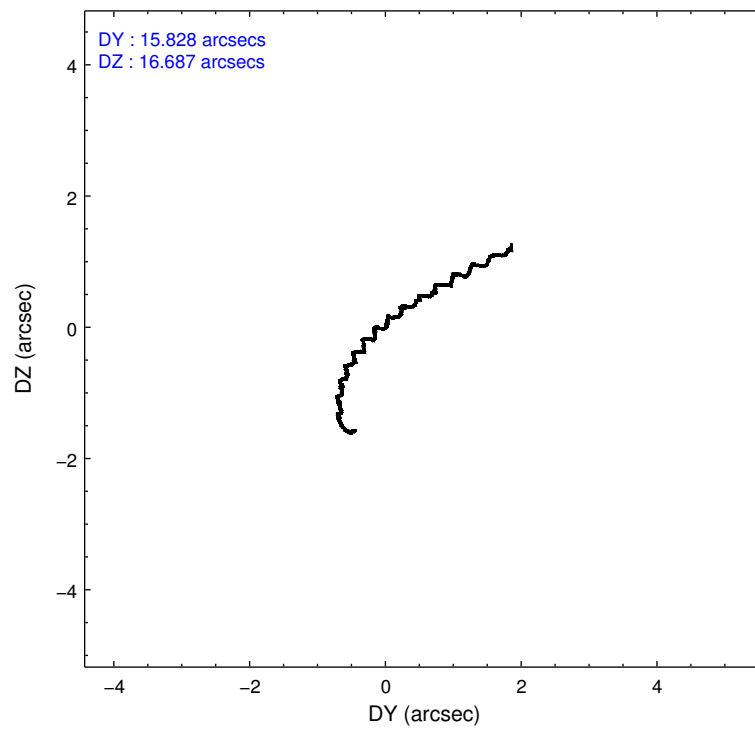
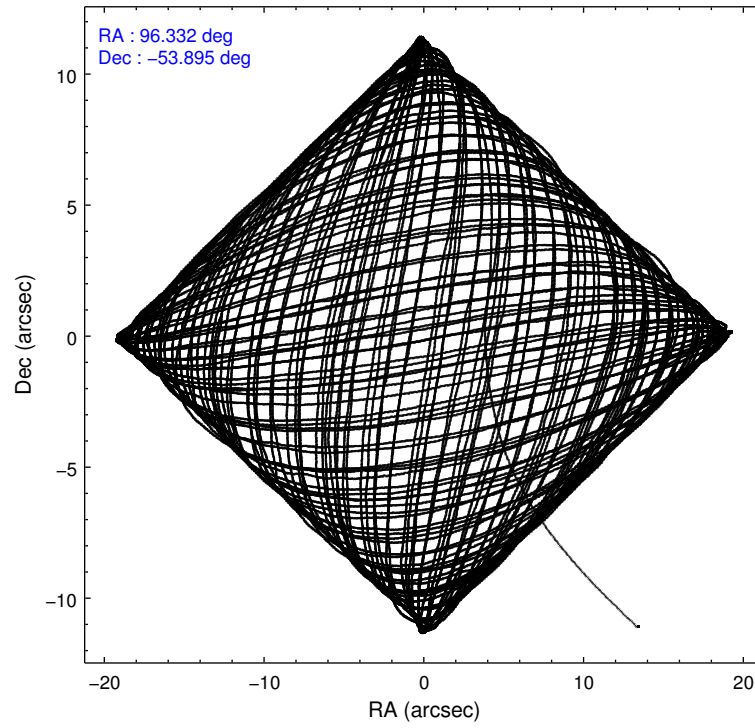
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	240451	243529	253508	254691	283065
rejected events	203684	205955	222882	222943	222469
rejected %	84%	84%	87%	87%	78%

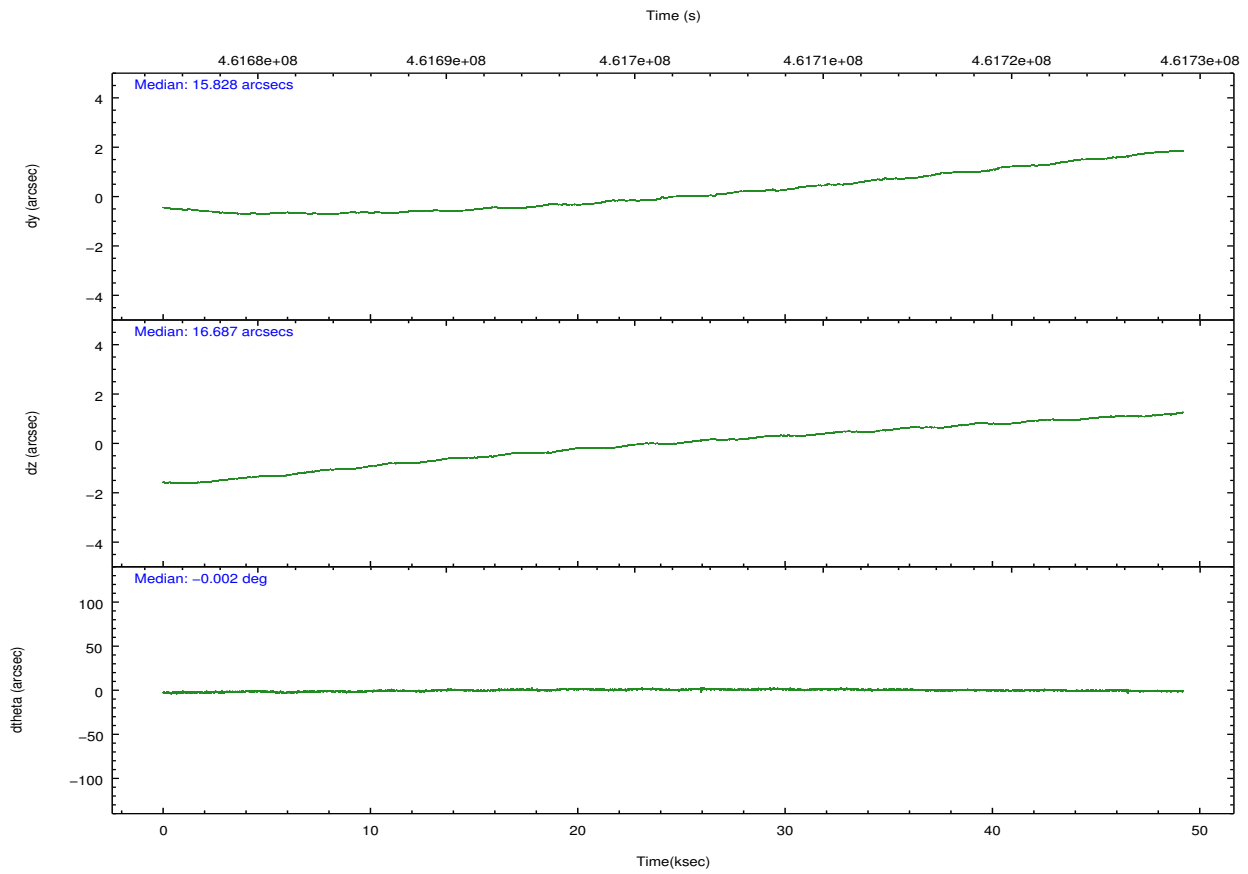
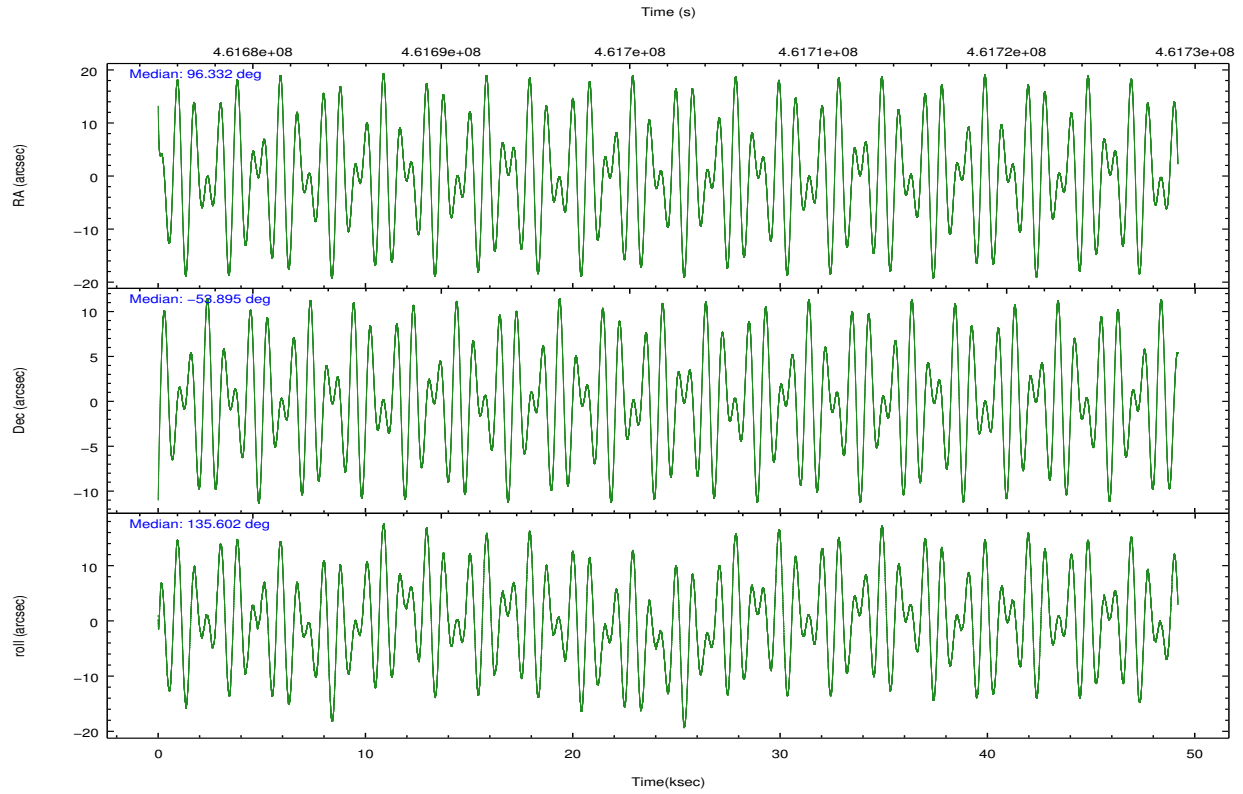
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	15853	15230	11766	12562	25695
	6%	6%	4%	4%	9%
grade 1 events	144	106	165	165	178
	0%	0%	0%	0%	0%
grade 2 events	8086	8509	7266	6801	21722
	3%	3%	2%	2%	7%
grade 3 events	3427	3321	2885	3069	3192
	1%	1%	1%	1%	1%
grade 4 events	3184	3407	2974	3246	3034
	1%	1%	1%	1%	1%
grade 5 events	11669	12434	10745	13286	12876
	4%	5%	4%	5%	4%
grade 6 events	6222	7112	5739	6073	6958
	2%	2%	2%	2%	2%
grade 7 events	191866	193410	211968	209489	209410
	79%	79%	83%	82%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	96.376849	96.33162047398062	CCD I2 on	Y	Y
[deg] Pointing Dec	-53.901385	-53.89467043193765	CCD I3 on	Y	Y
[deg] Pointing Roll	135.433565	135.6057044765238	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	461677629.184000	461676584.1125	CCD S5 on	N	N
Observation start date	2012-08-18T11:46:02	2012-08-18T11:29:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	461726629.184000	461727777.74024	On-chip summing requested	N	N
Observation end date	2012-08-19T01:22:42	2012-08-19T01:42:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



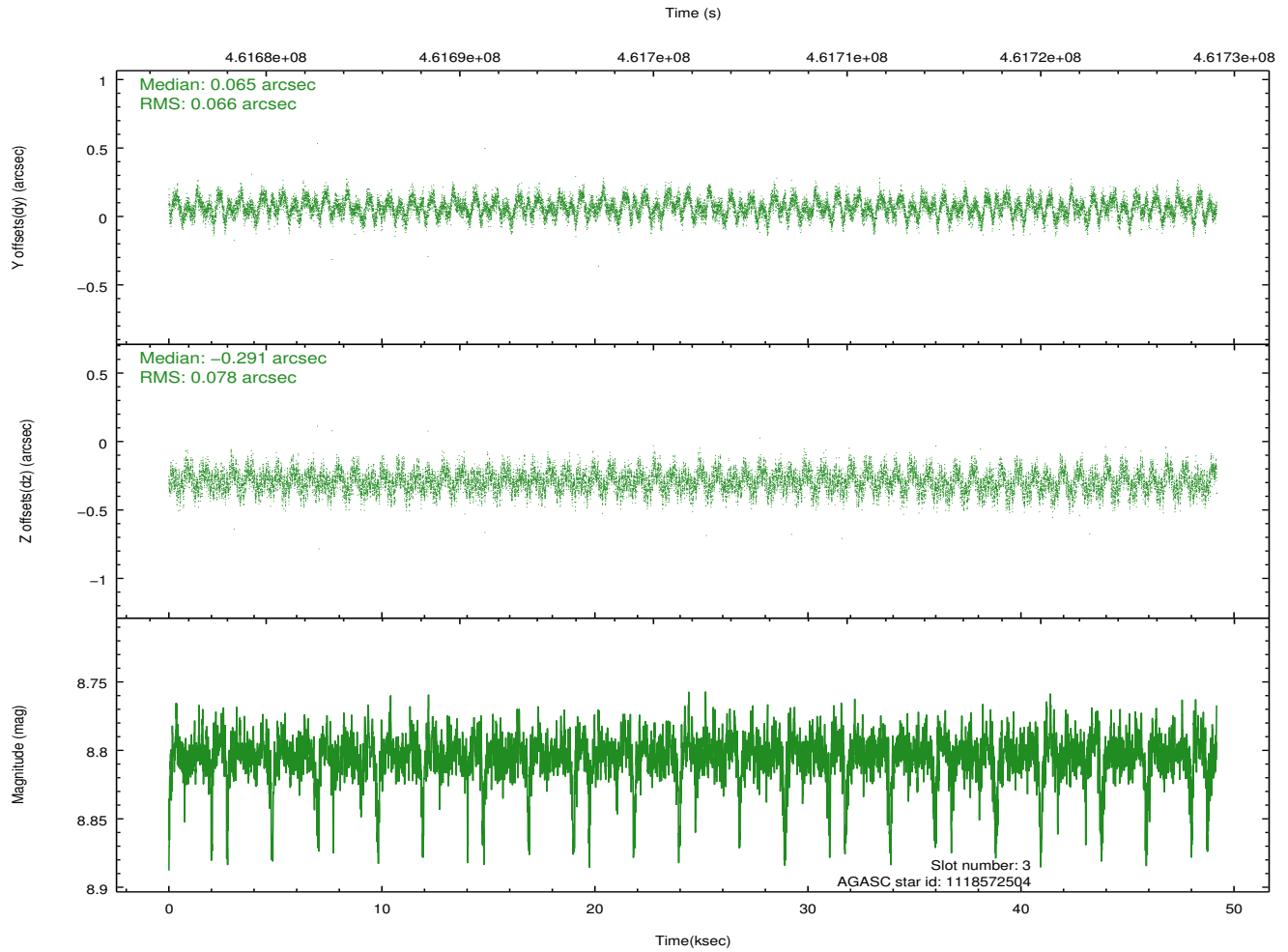
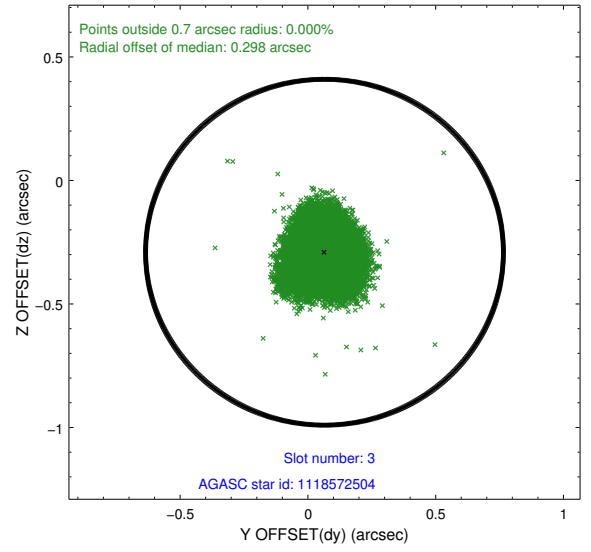
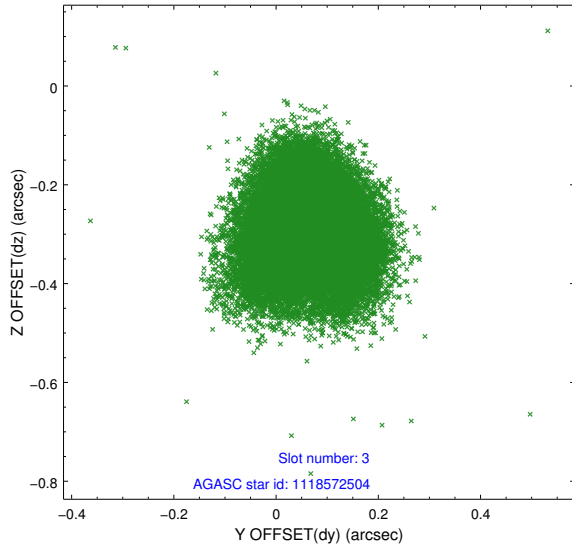


Slot Statistics

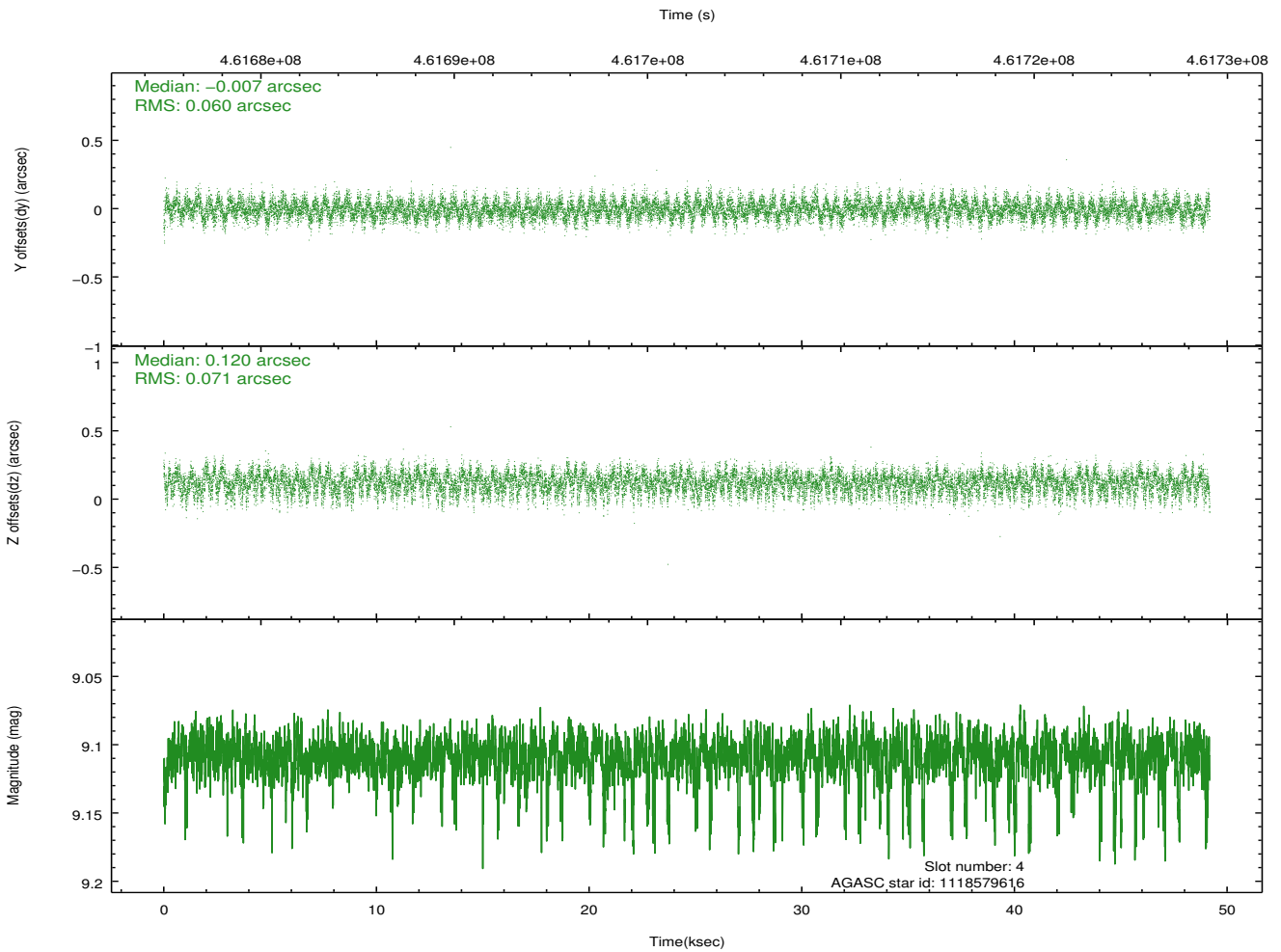
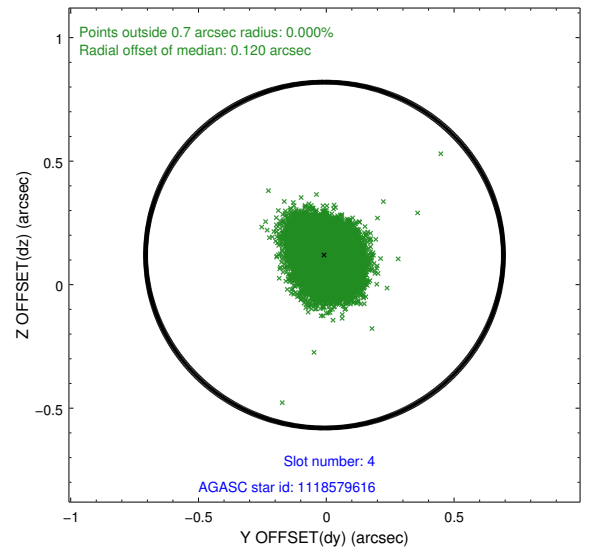
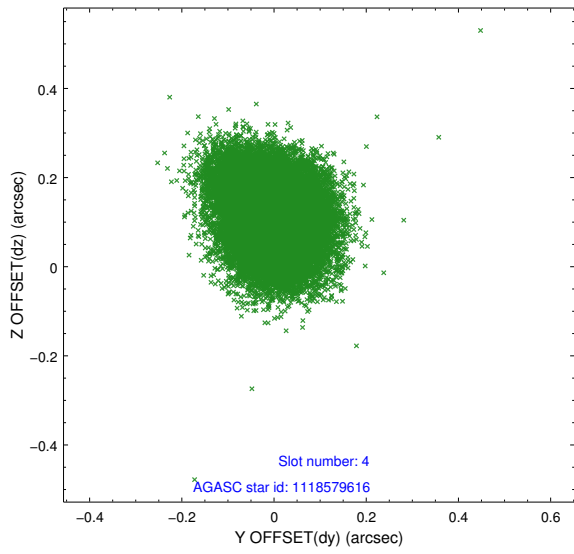
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.10	11996	0.066	-0.028	0.020	0.029	0.000000	0.000000	923.48	-840.28
1	FID	ACIS-I-5	7.10	11997	-0.234	0.065	0.014	0.025	0.000000	0.000000	-1824.94	1057.30
2	FID	ACIS-I-6	7.10	11997	0.077	0.035	0.022	0.034	0.000000	0.000000	389.05	1701.76
3	GUIDE	1118572504	8.80	23981	0.065	-0.291	0.109	0.172	95.500559	-53.969973	1141.08	1486.06
4	GUIDE	1118579616	9.11	23965	-0.007	0.120	0.099	0.157	96.071921	-53.575944	1286.89	-376.12
5	GUIDE	1118579648	8.30	23983	-0.092	0.148	0.066	0.108	95.882841	-53.426139	1953.57	-472.34
6	GUIDE	1118709640	8.36	23984	-0.030	0.093	0.072	0.113	96.832931	-53.566231	150.73	-1541.70
7	GUIDE	1118709864	8.76	23970	0.065	-0.069	0.078	0.128	96.723880	-53.581969	277.86	-1338.44

2.4 Star Slots

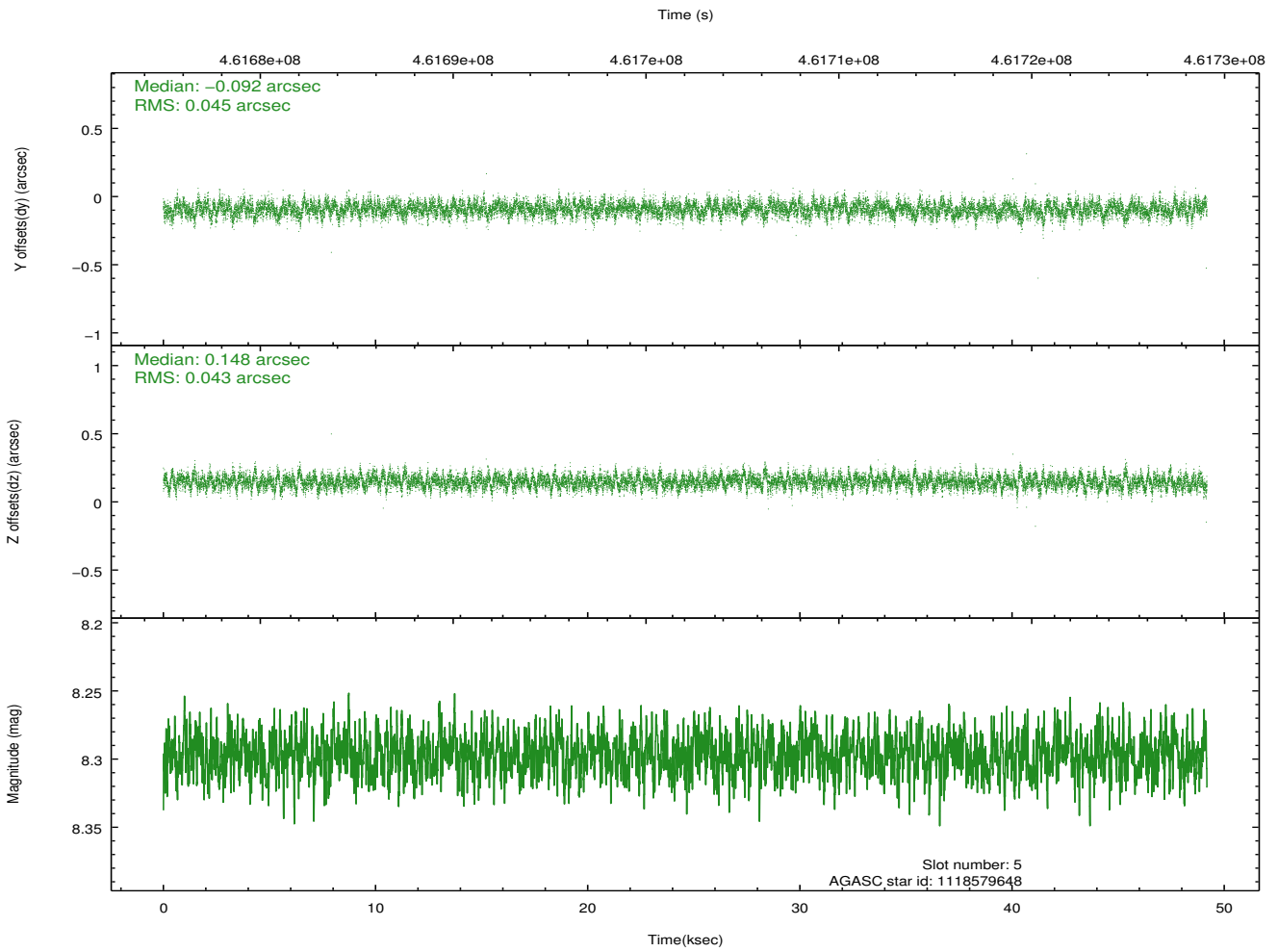
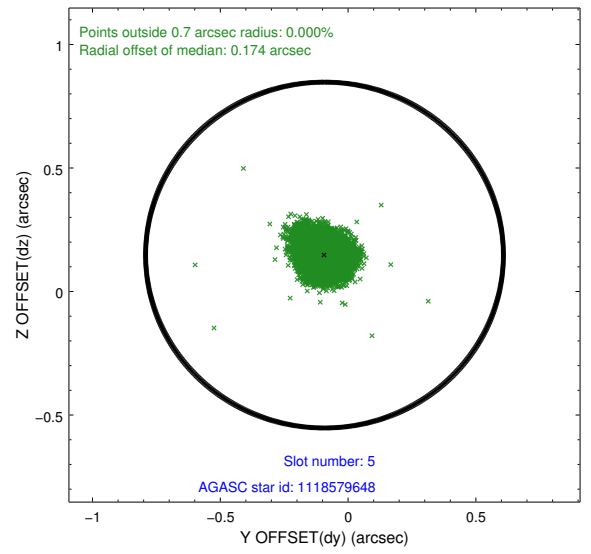
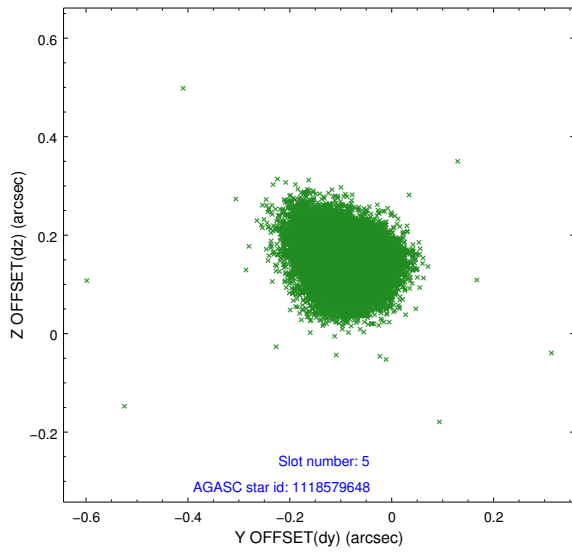
2.4.1 Slot 3



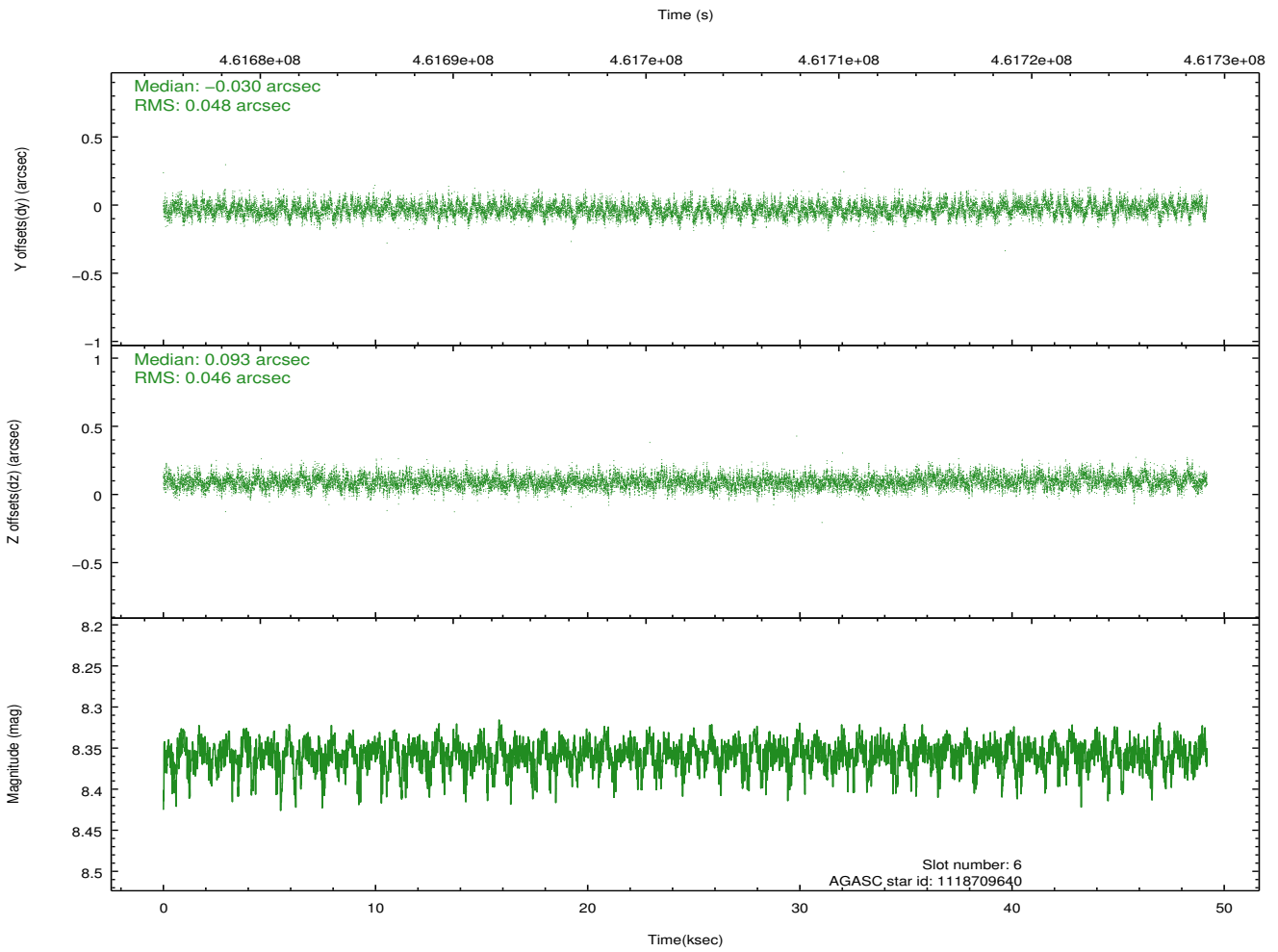
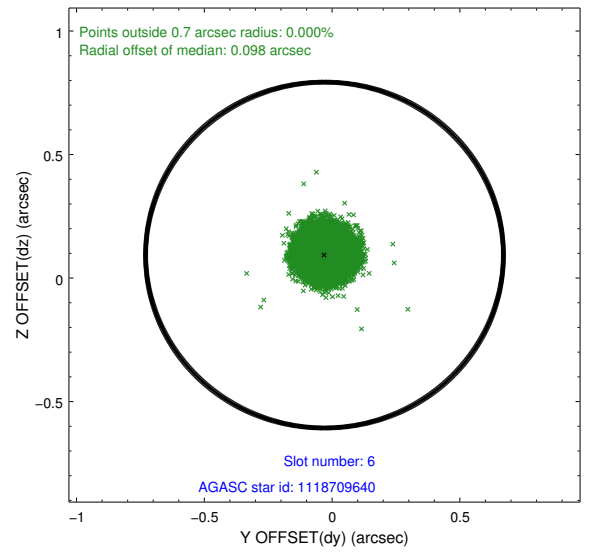
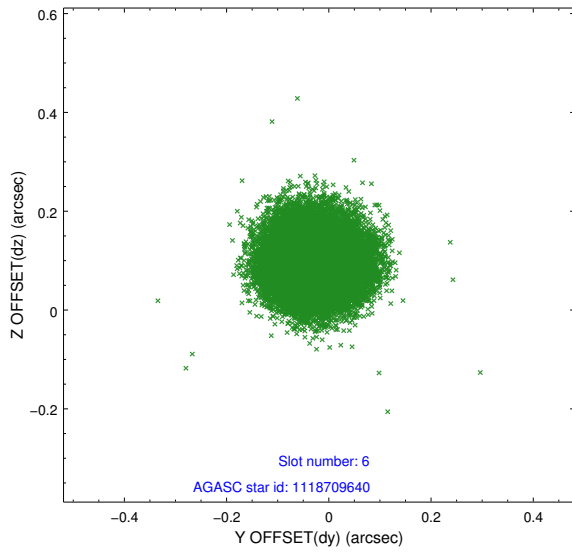
2.4.2 Slot 4



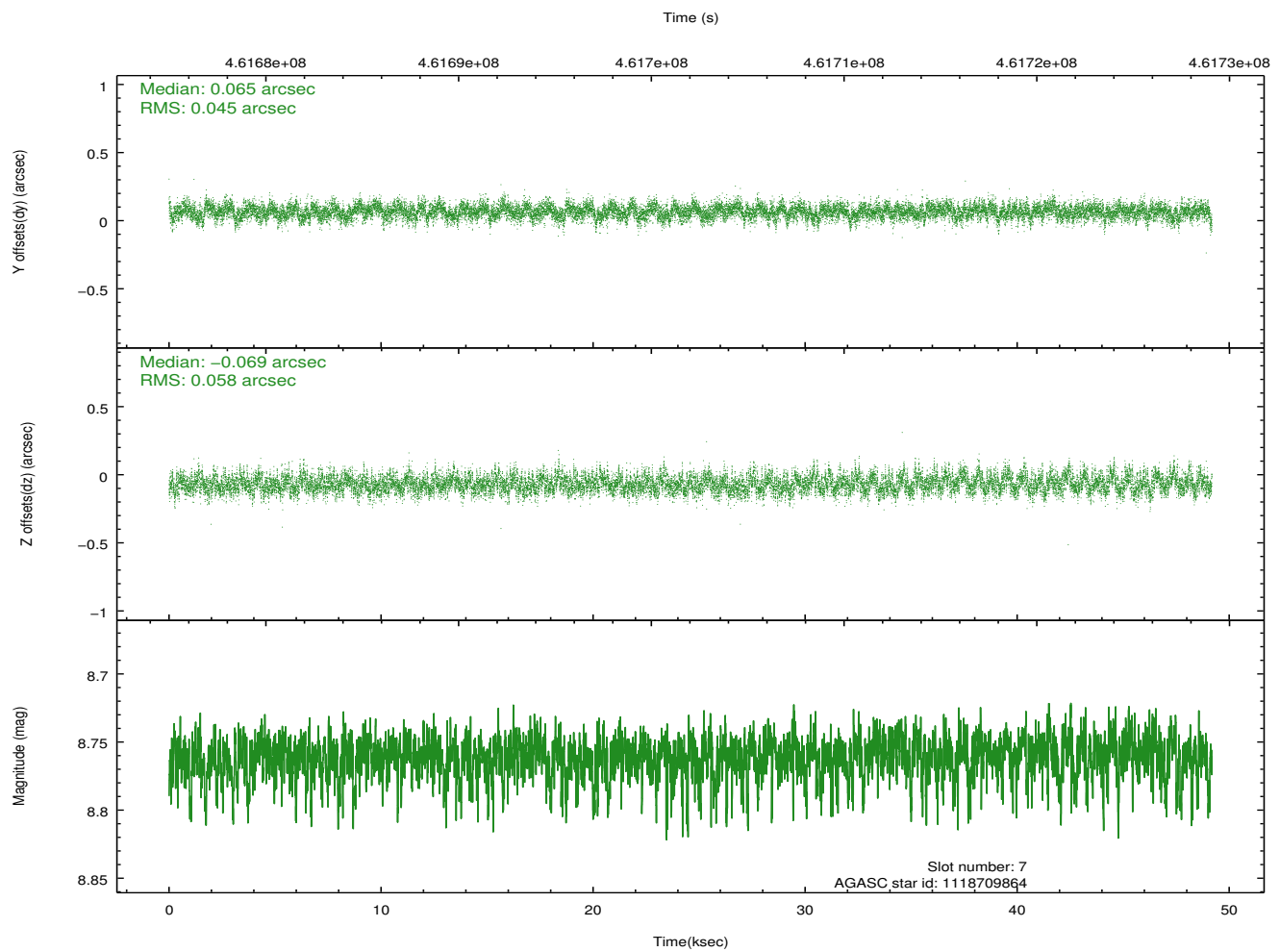
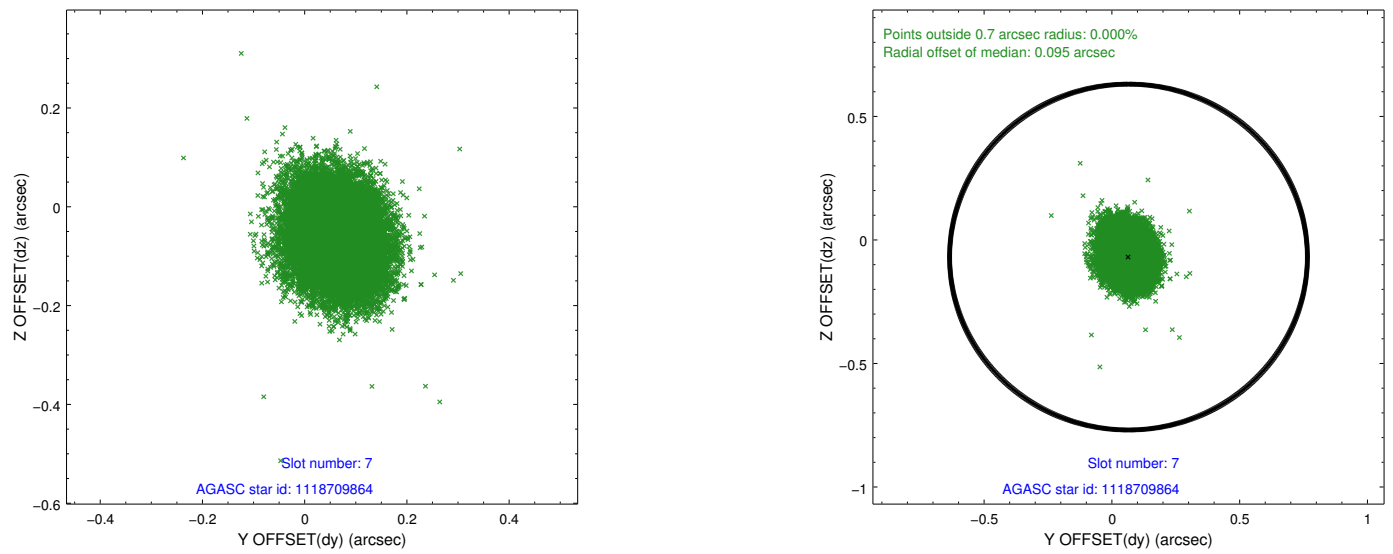
2.4.3 Slot 5



2.4.4 Slot 6

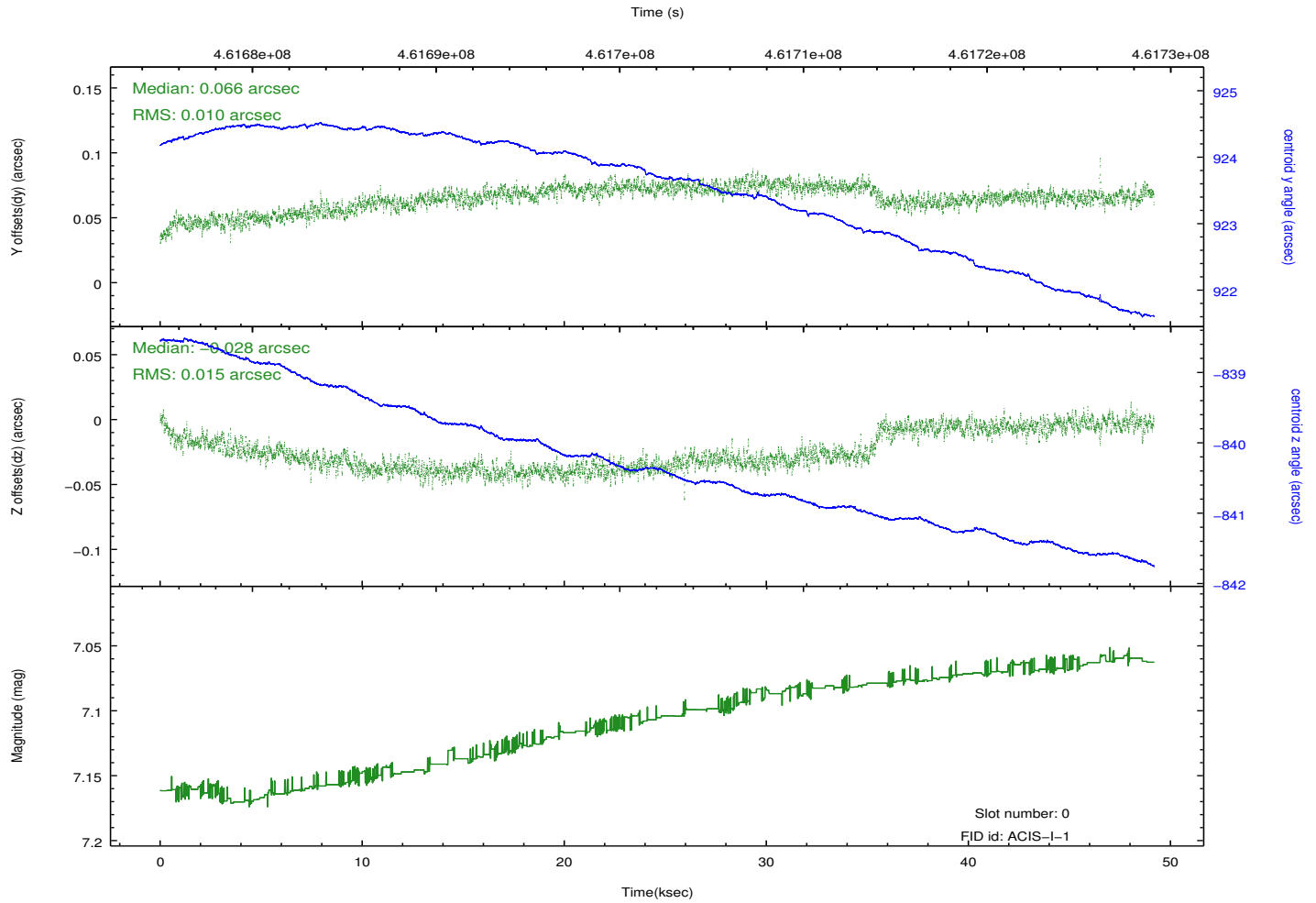
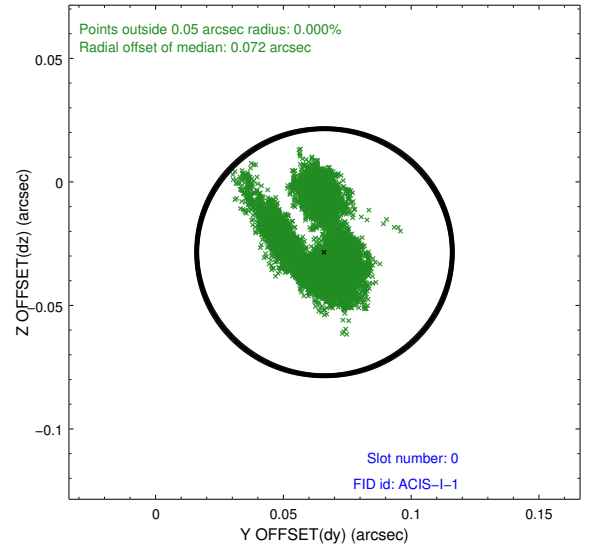
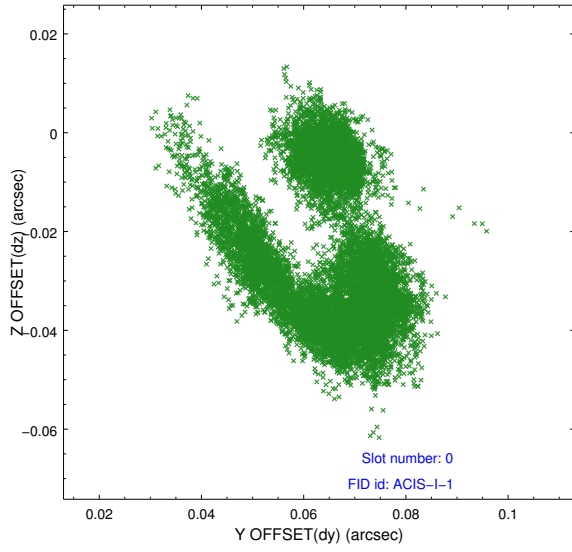


2.4.5 Slot 7

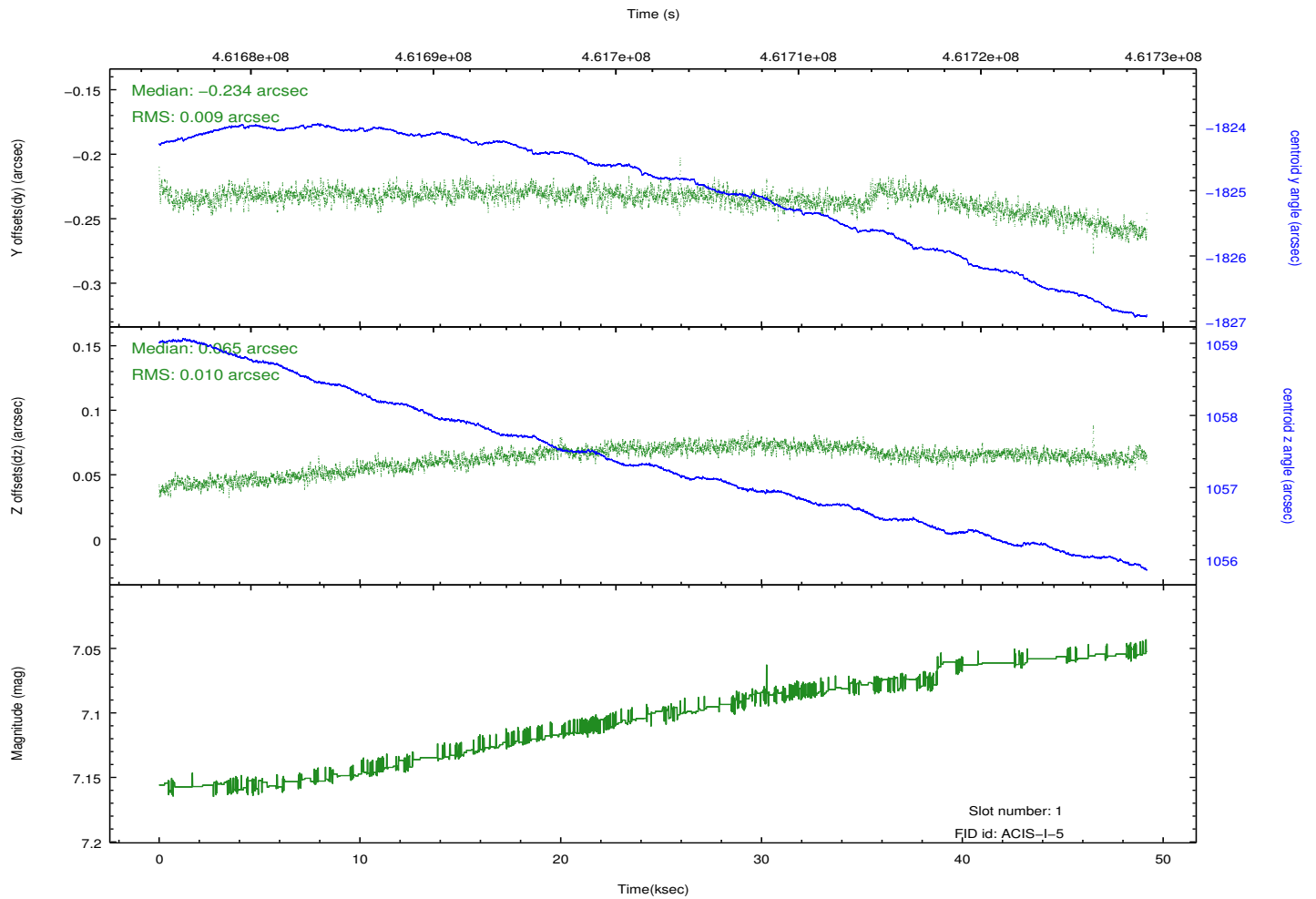
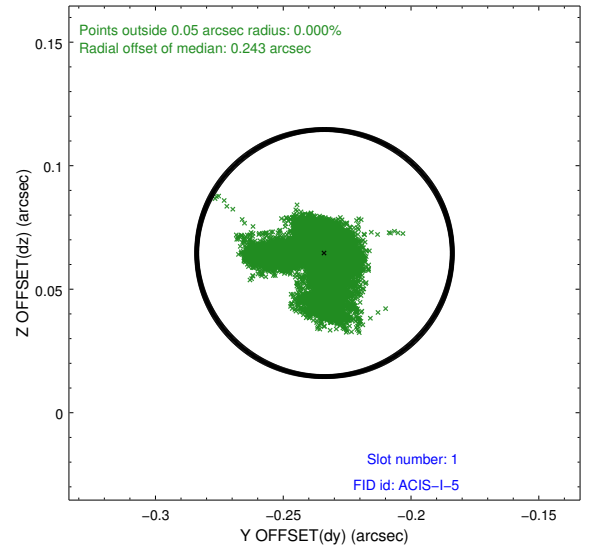
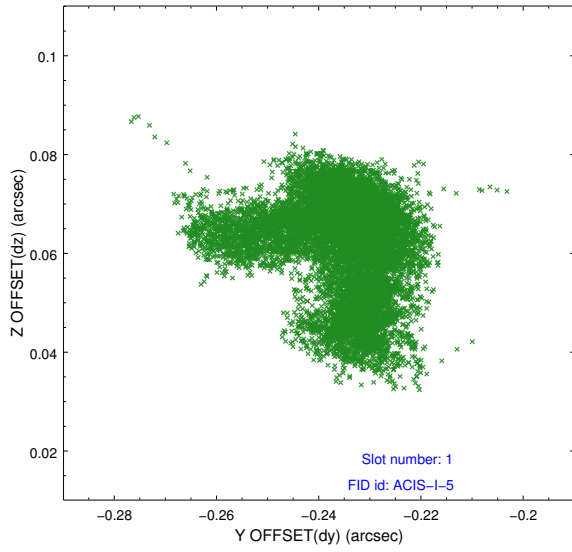


2.5 FID Slots

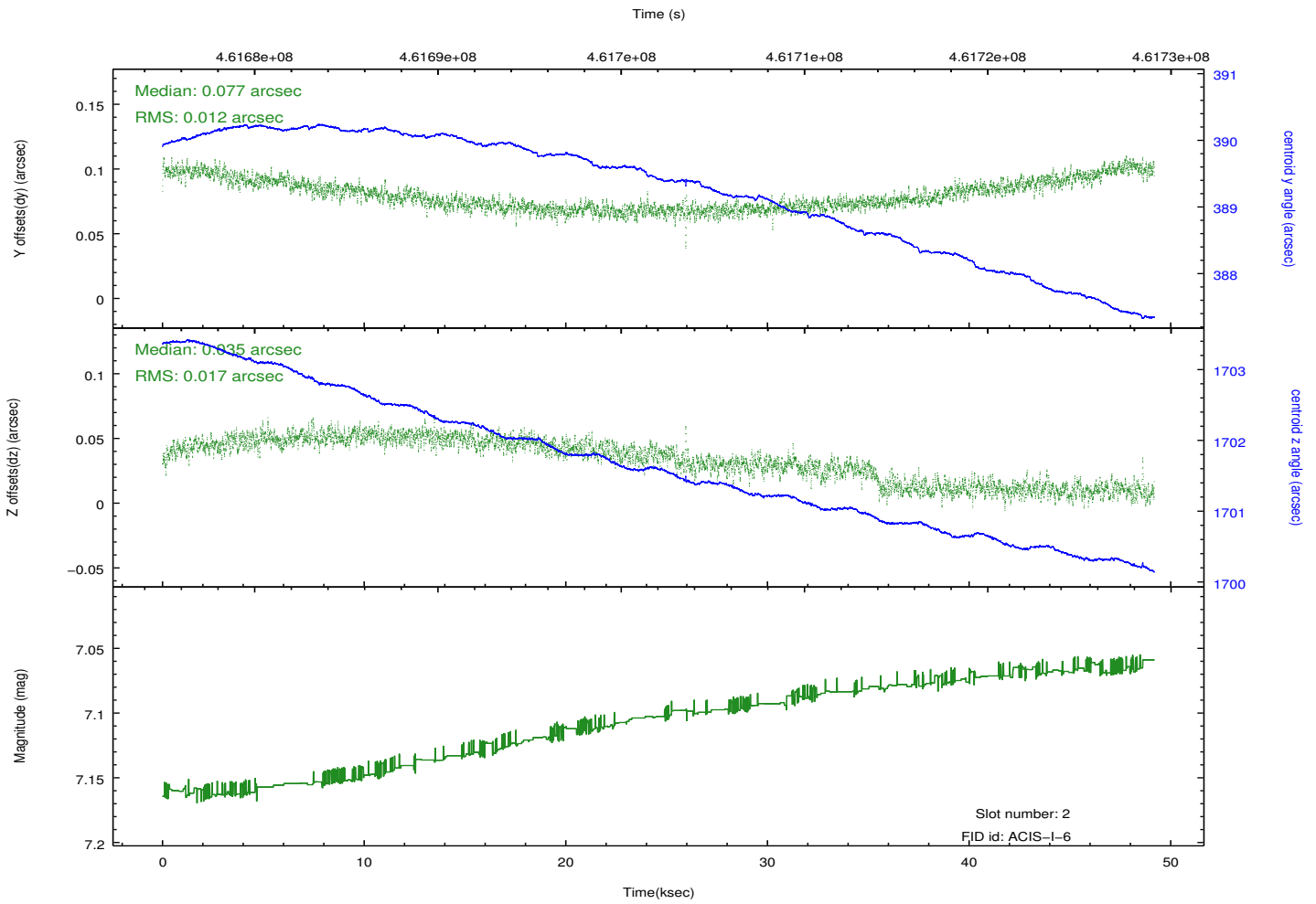
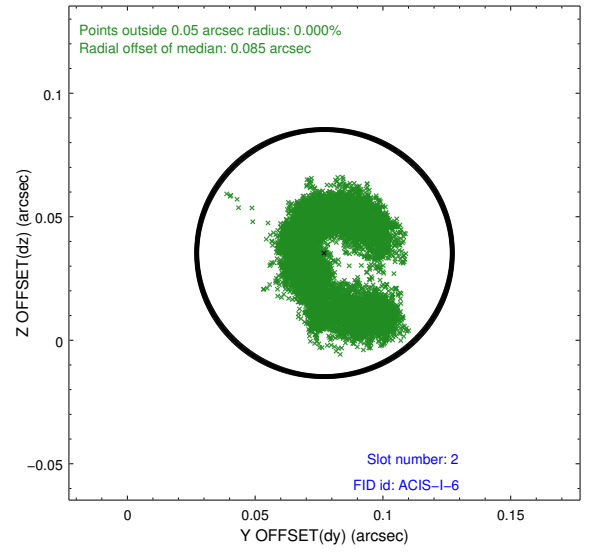
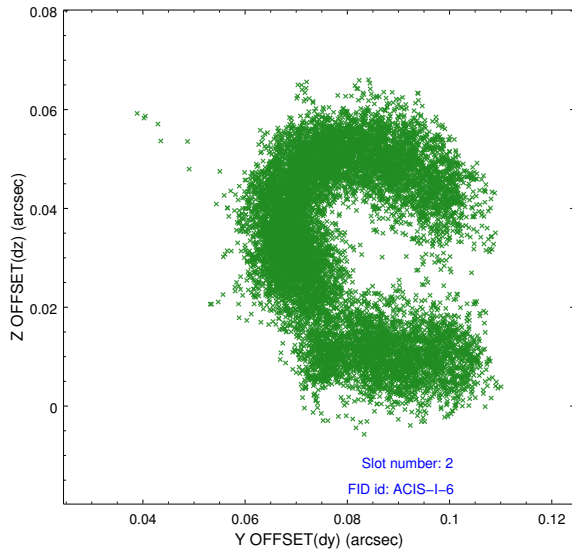
2.5.1 Slot 0



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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.082111286402

A.2 Comments