

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16012 - L2 Version 1
Chandra X-Ray Center

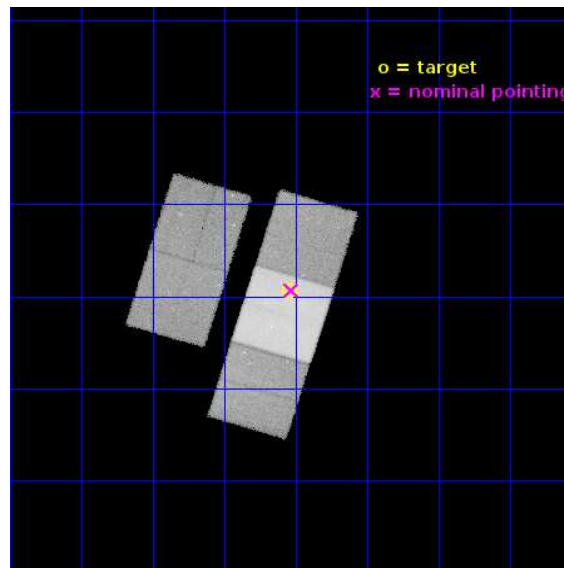
L2 Processing Date : Aug 24 2014

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1 Front

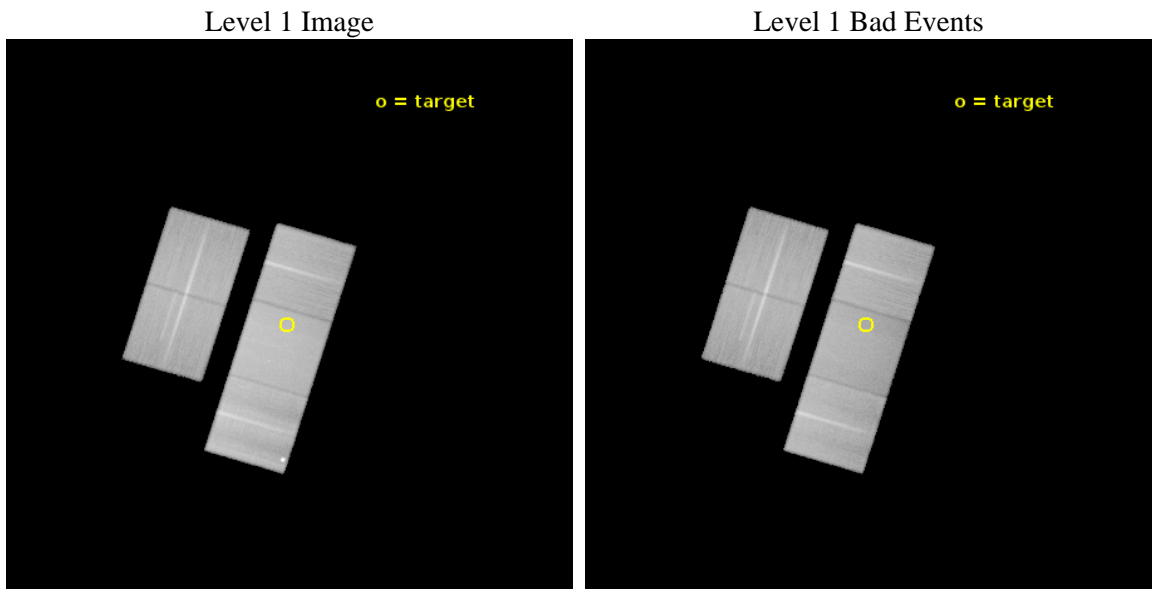
seq_num	601100	Sequence number
obs_id	16012	Observation id
title	Detecting the hot gaseous halo around an extremely massive and relativistic jet launching spiral galaxy	Proposal title
observer	Dr Stephen Walker	Principal investigator
object	2MASX J23453268-0449256	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	356.385833	Observer's specified target RA [deg]
dec_targ	-4.823167	Observer's specified target Dec [deg]
ra_nom	356.38283773032	Nominal RA [deg]
dec_nom	-4.8222856892361	Nominal Dec [deg]
roll_nom	107.0253085588	Nominal Roll [deg]
revision	1	Processing version of data
ontime	100046.30076945	Sum of GTIs [s]
livetime	98739.12219688	Livetime [s]
ontime2	100043.09587431	Sum of GTIs [s]
ontime3	100040.01865882	Sum of GTIs [s]
ontime6	100043.15973908	Sum of GTIs [s]
ontime7	100046.30076945	Sum of GTIs [s]
ontime8	100039.99593413	Sum of GTIs [s]
l2events	499173	Number of level 2 events



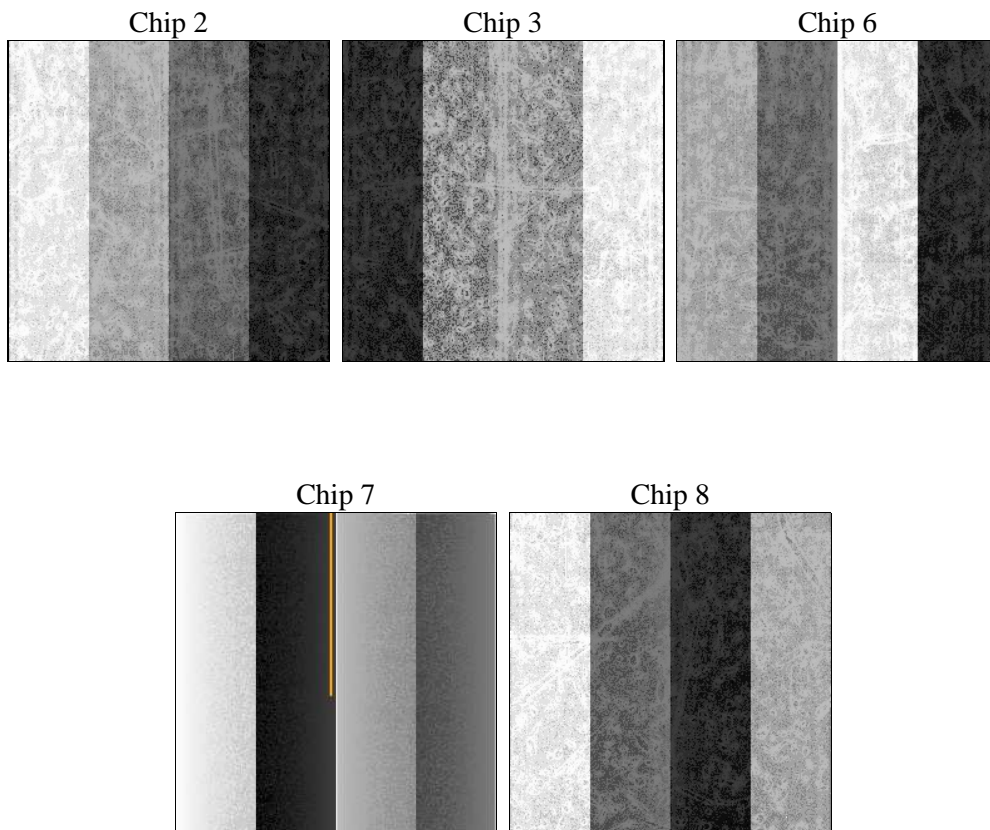
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	100275.549000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	100046.30076945	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	100043.09587431	Sum of GTIs [s]
date	2014-08-24T18:19:31	Date and time of file creation	ontime3	100040.01865882	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	100043.15973908	Sum of GTIs [s]
			ontime7	100046.30076945	Sum of GTIs [s]
			ontime8	100039.99593413	Sum of GTIs [s]
			l1events	2924751	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	505549	494509	532517	702886	689290
rejected events	450770	440376	471100	403876	508319
rejected %	89%	89%	88%	57%	73%

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	19134	18397	19743	24918	57300
	3%	3%	3%	3%	8%
grade 1 events	279	306	214	777	502
	0%	0%	0%	0%	0%
grade 2 events	12789	11850	14452	61379	41212
	2%	2%	2%	8%	5%
grade 3 events	5842	5878	5971	23998	18303
	1%	1%	1%	3%	2%
grade 4 events	5810	5846	5892	23436	16947
	1%	1%	1%	3%	2%
grade 5 events	21106	26201	25814	69808	38508
	4%	5%	4%	9%	5%
grade 6 events	11206	12164	15363	165299	47213
	2%	2%	2%	23%	6%
grade 7 events	429383	413867	445068	333271	469305
	84%	83%	83%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	356.403234	356.3828377303226	CCD I2 on	O1	Y
[deg] Pointing Dec	-4.840722	-4.822285689236106	CCD I3 on	O2	Y
[deg] Pointing Roll	106.870408	107.0253085588021	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	Y	Y
[s] Observation start time (MET)	525157877.184000	525157096.16098	CCD S5 on	N	N
Observation start date	2014-08-23T05:10:10	2014-08-23T04:58:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	525258152.184000	525258378.4666	On-chip summing requested	N	N
Observation end date	2014-08-24T09:01:25	2014-08-24T09:06:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

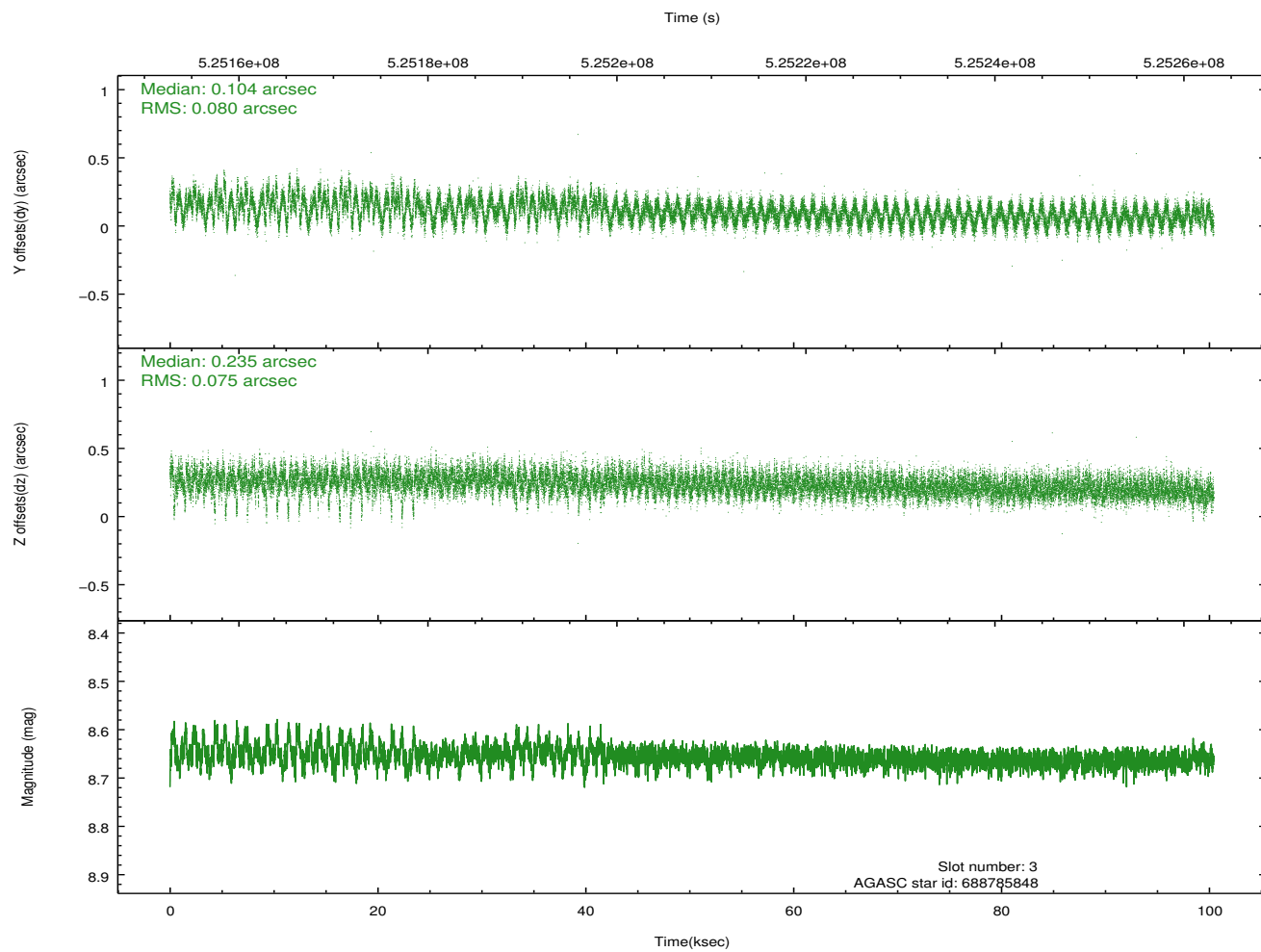
2.3 Aspect

Slot Statistics

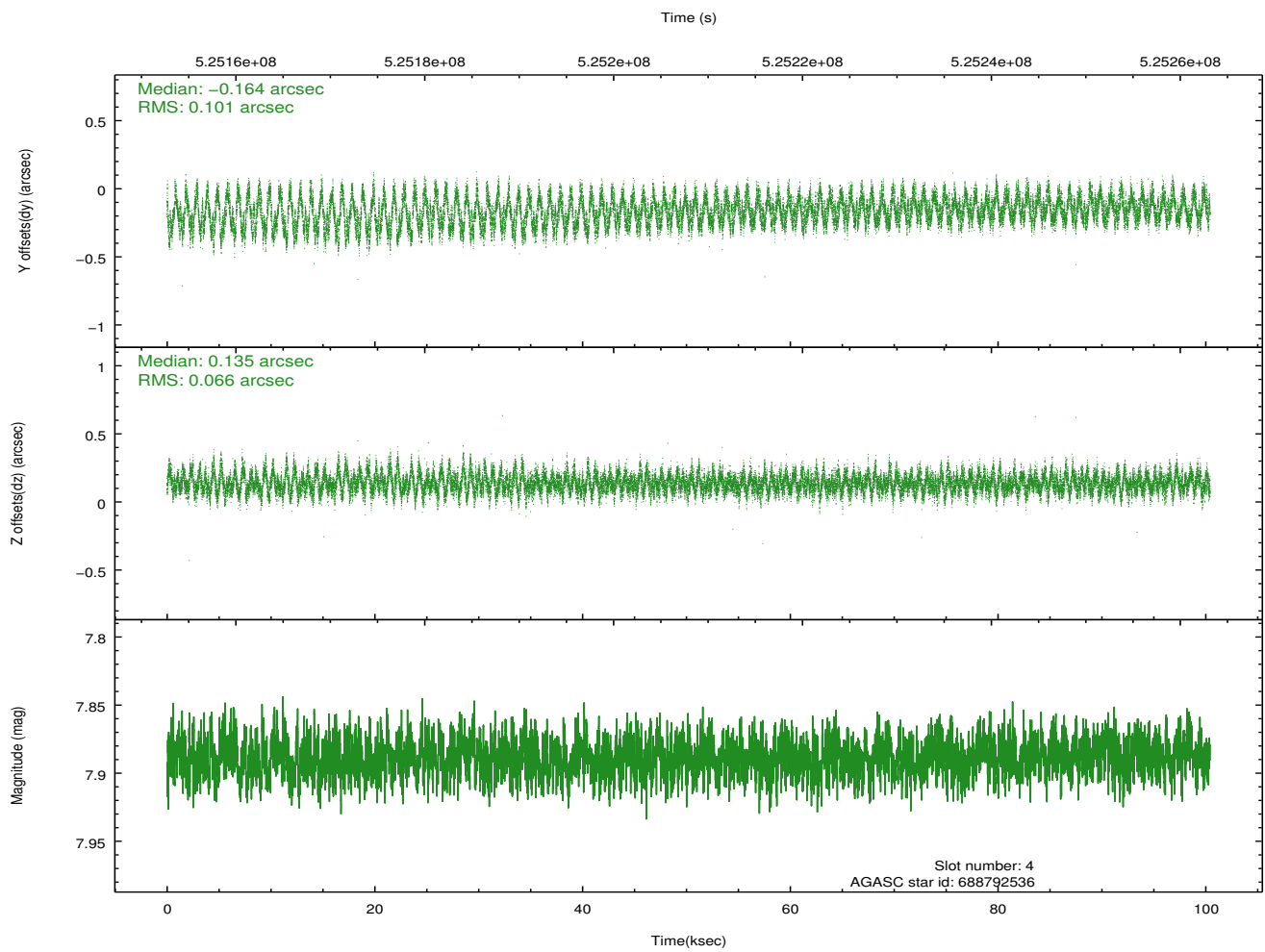
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.16	24497	0.100	-0.066	0.042	0.072	0.000000	0.000000	922.38	-1735.00
1	FID	ACIS-S-5	7.20	24496	-0.205	0.052	0.037	0.052	0.000000	0.000000	-1827.00	162.71
2	FID	ACIS-S-6	7.31	24498	0.075	0.045	0.058	0.079	0.000000	0.000000	387.97	806.60
3	GUIDE	688785848	8.66	48985	0.104	0.235	0.116	0.188	356.957251	-4.931194	-889.13	-1806.60
4	GUIDE	688792536	7.89	48989	-0.164	0.135	0.128	0.210	356.913425	-4.461664	774.22	-2148.24
5	GUIDE	689180584	8.69	48958	-0.083	-0.239	0.118	0.185	356.145681	-5.007059	-305.14	1057.34
6	GUIDE	689181544	9.39	48916	0.074	-0.448	0.205	0.321	355.970094	-5.424941	-1562.54	2094.78
7	GUIDE	689182176	8.43	48986	0.091	0.316	0.108	0.174	356.962119	-5.244192	-1973.23	-1491.98

2.4 Star Slots

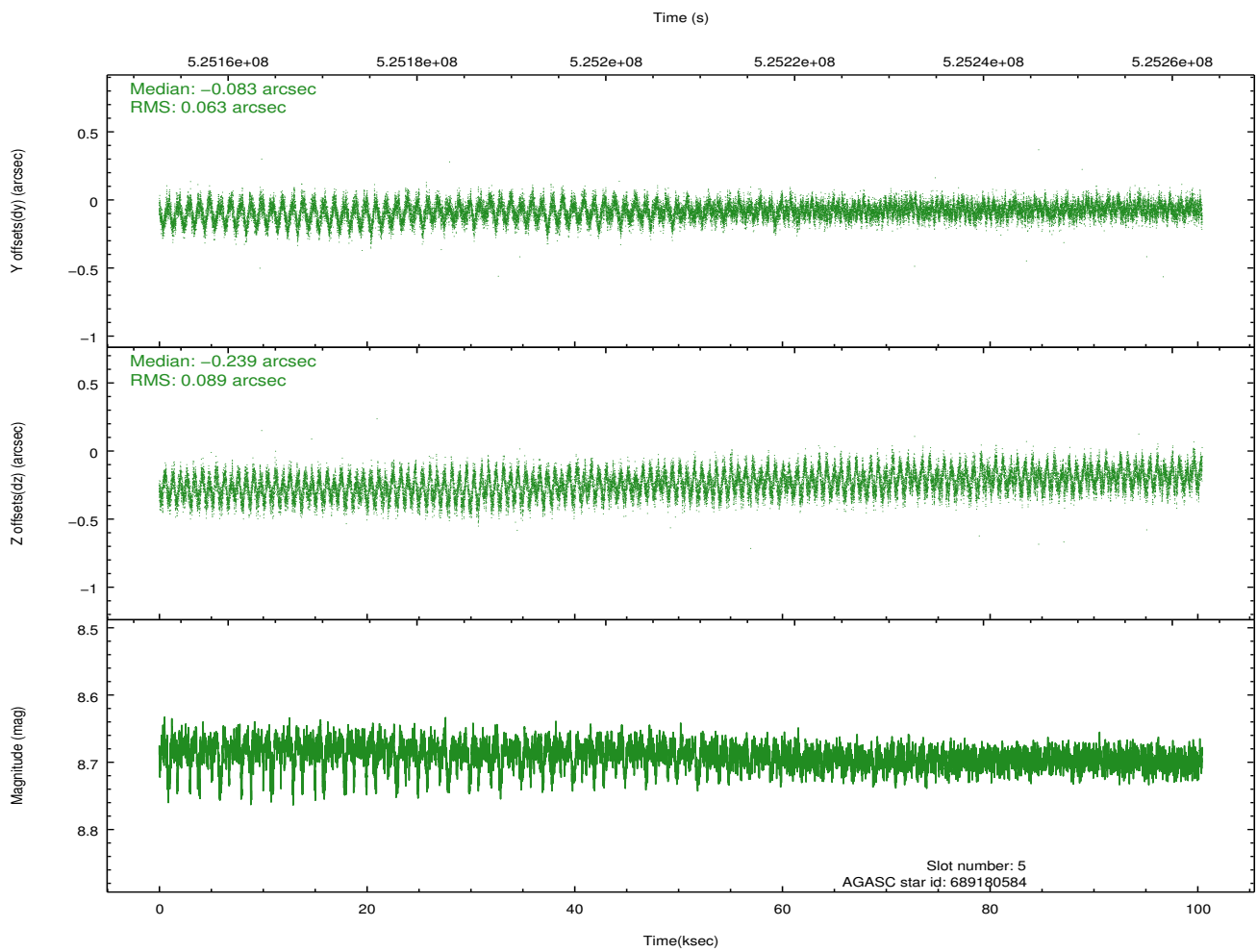
2.4.1 Slot 3



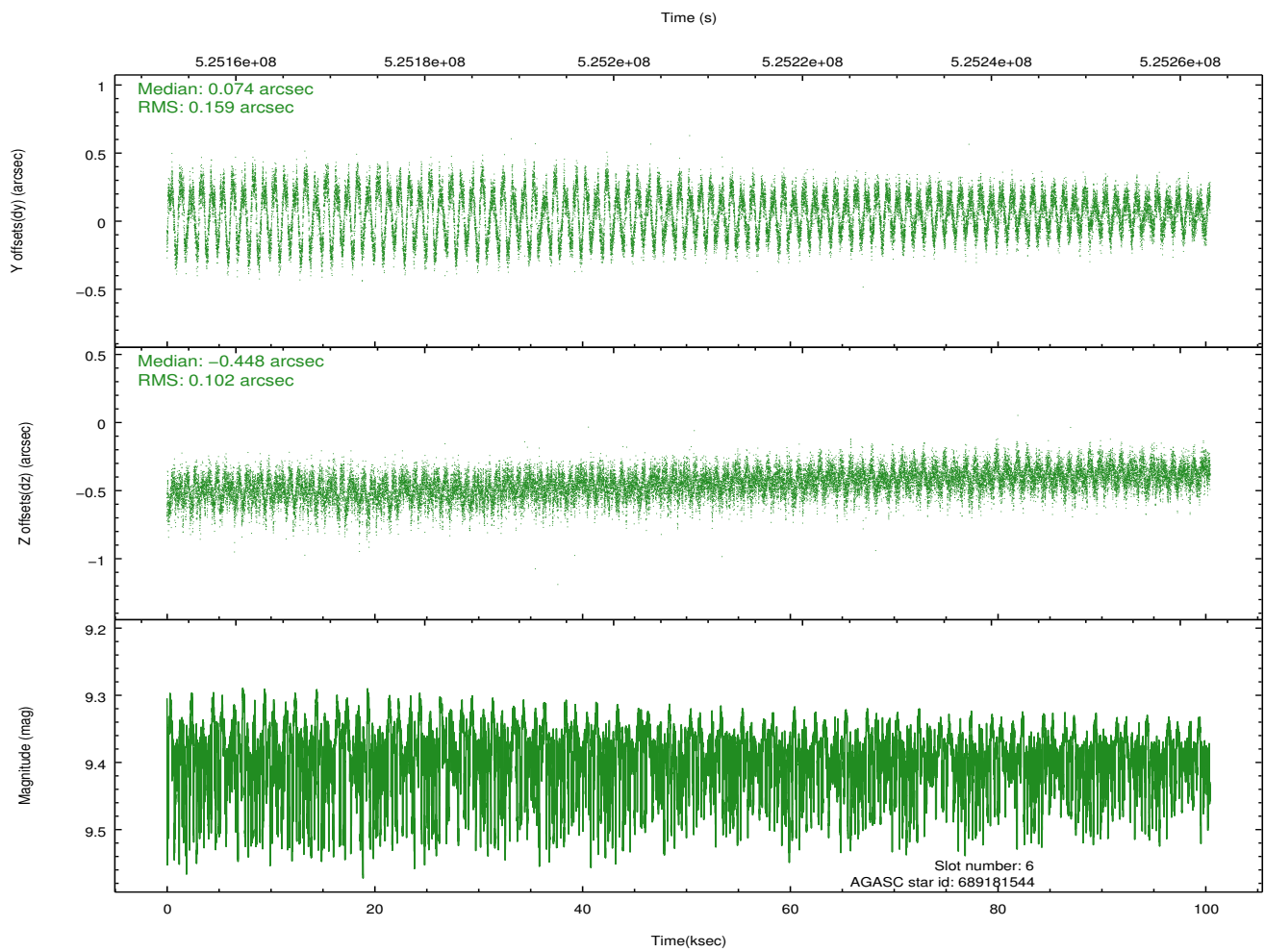
2.4.2 Slot 4



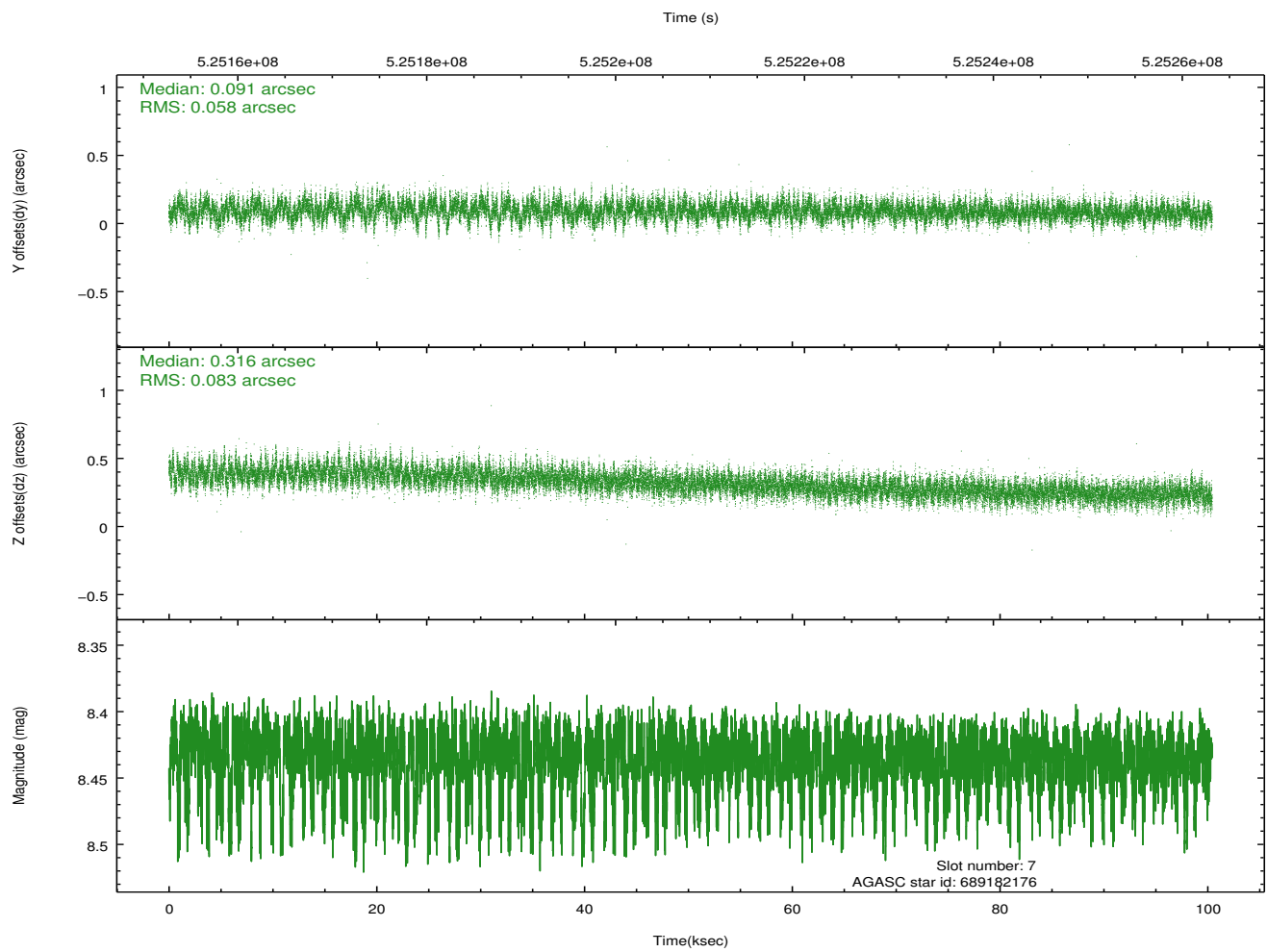
2.4.3 Slot 5



2.4.4 Slot 6

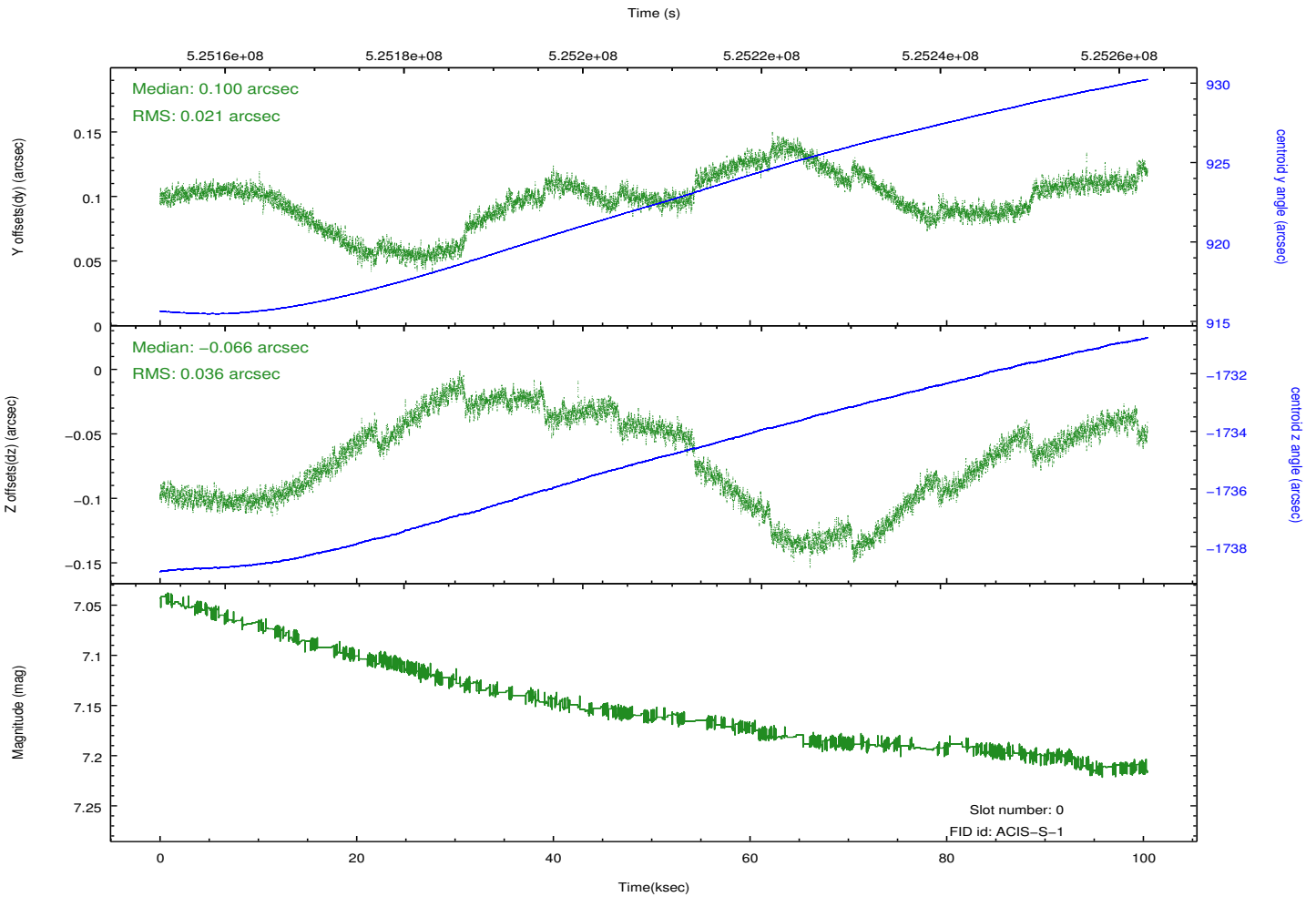
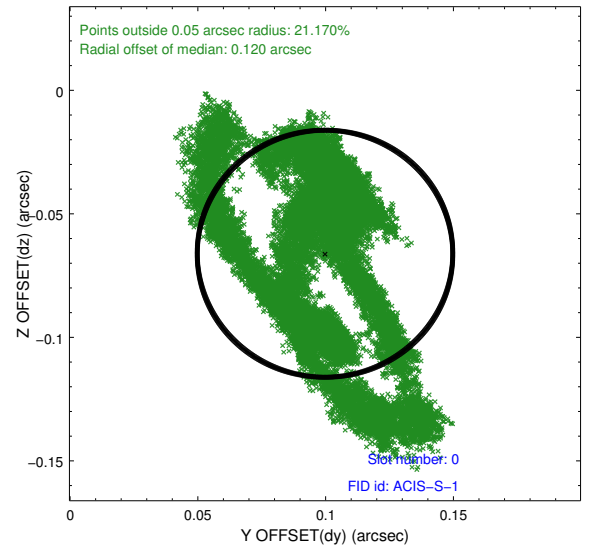
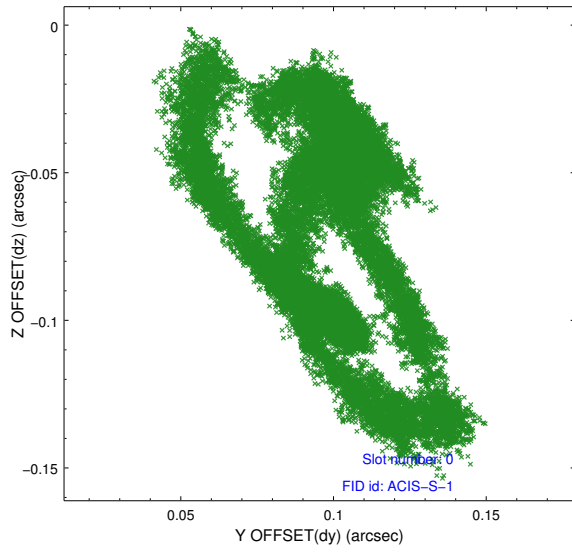


2.4.5 Slot 7

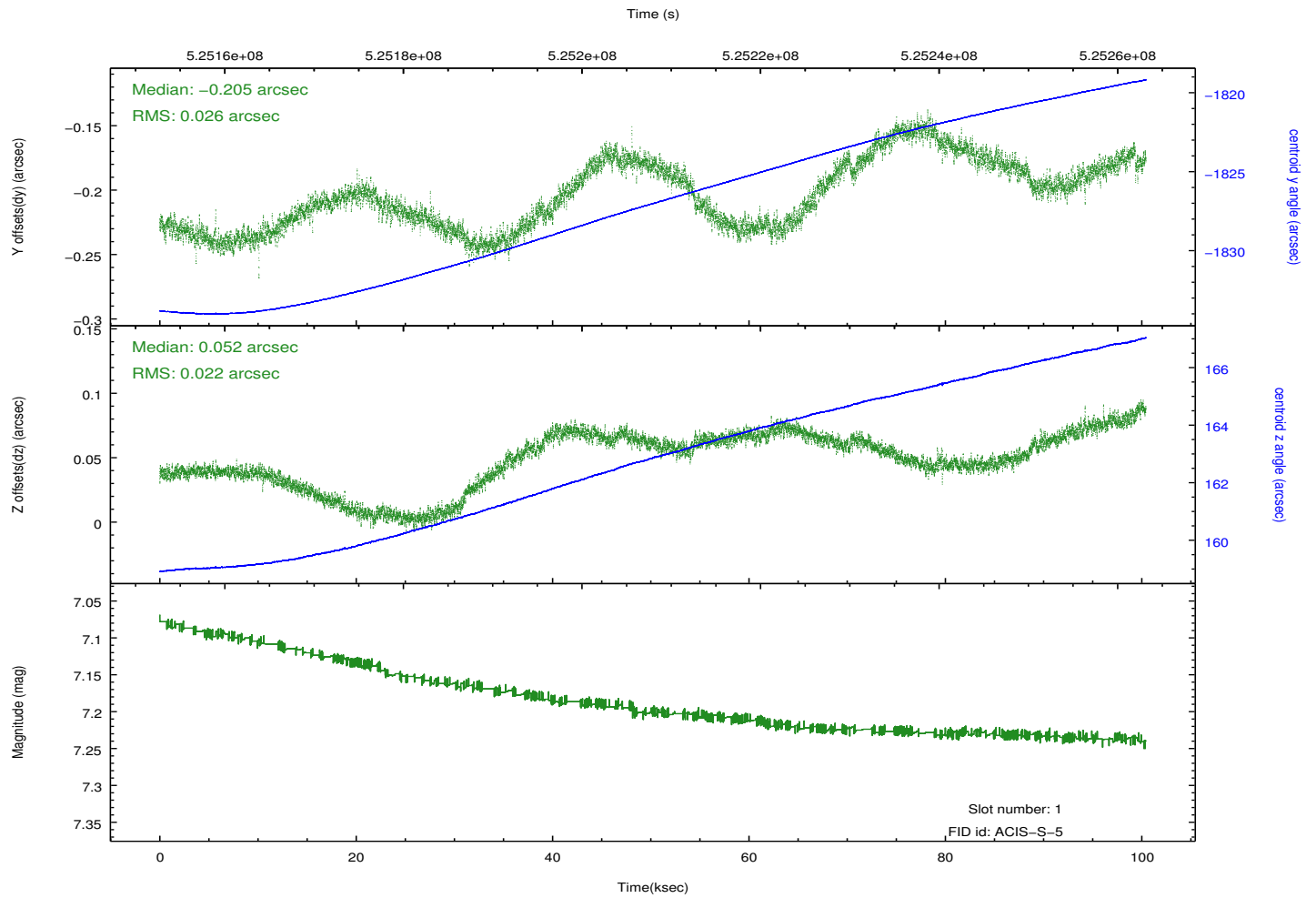
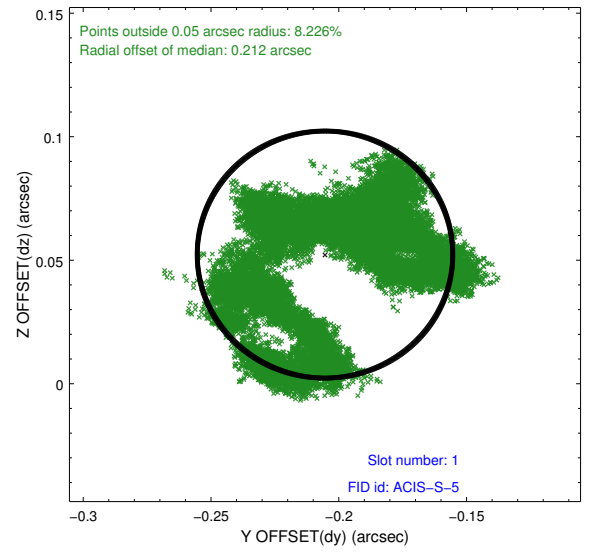
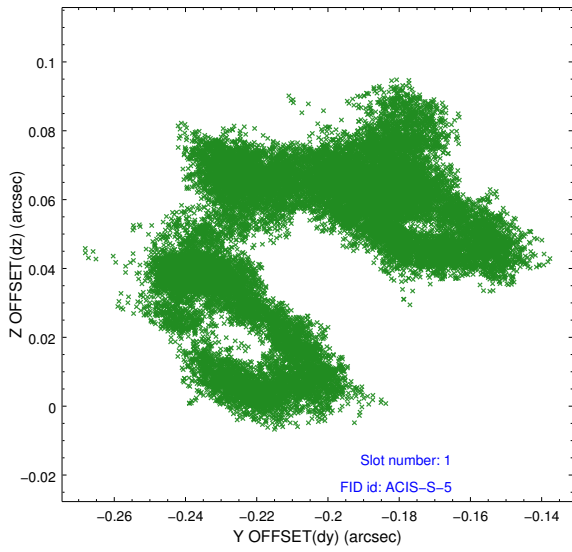


2.5 FID Slots

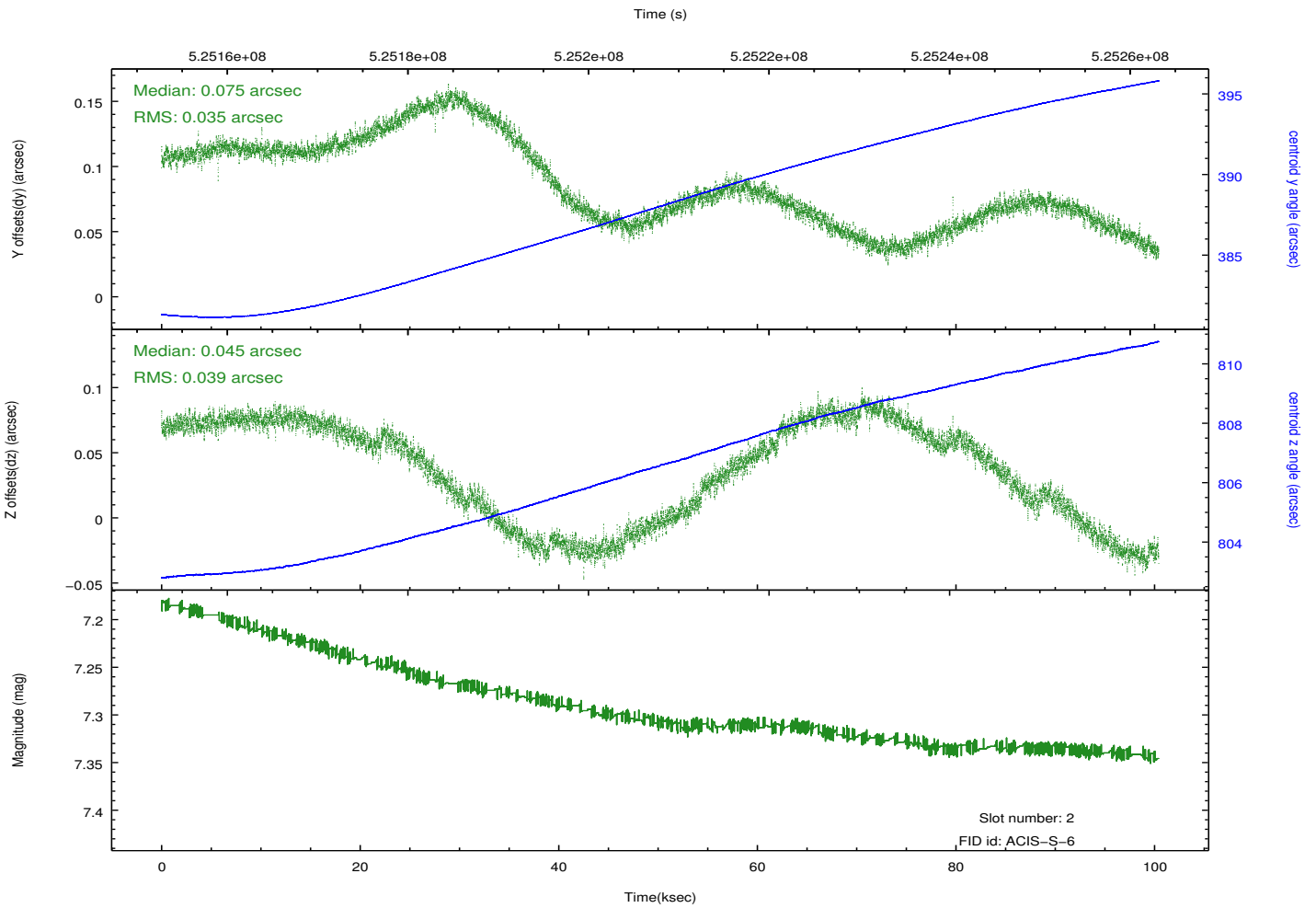
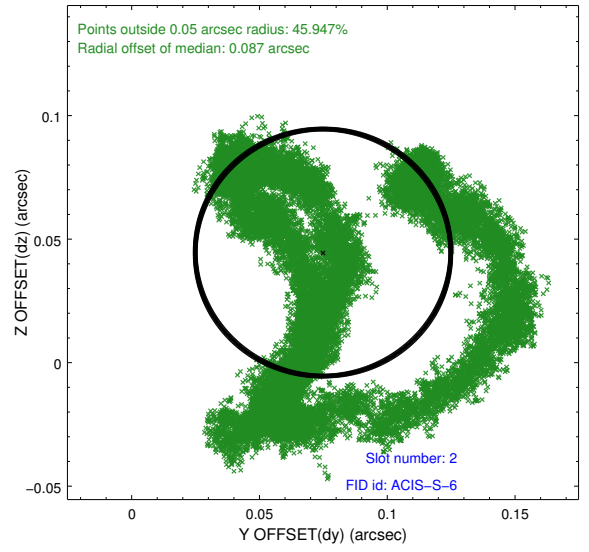
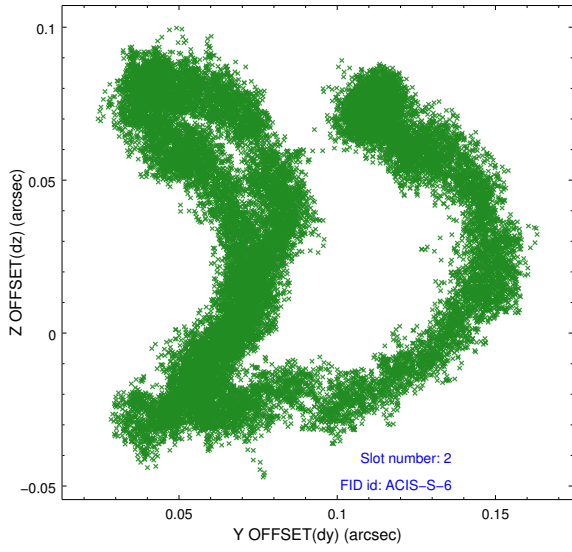
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.08.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	100.04630076945

A.2 Comments