

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10993 - L2 Version 2
Chandra X-Ray Center

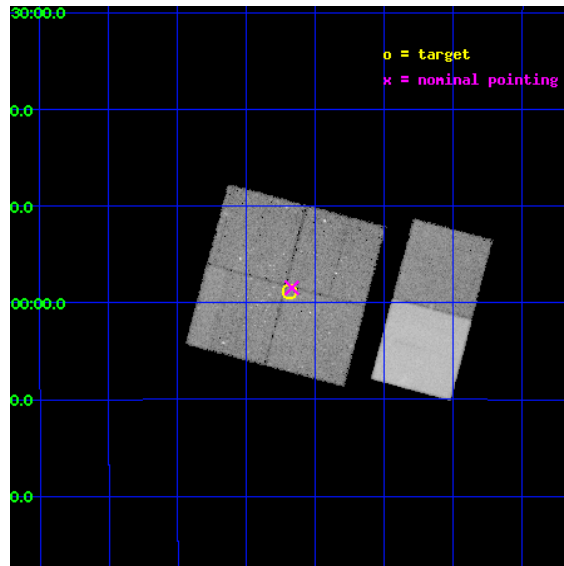
L2 Processing Date : Jun 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

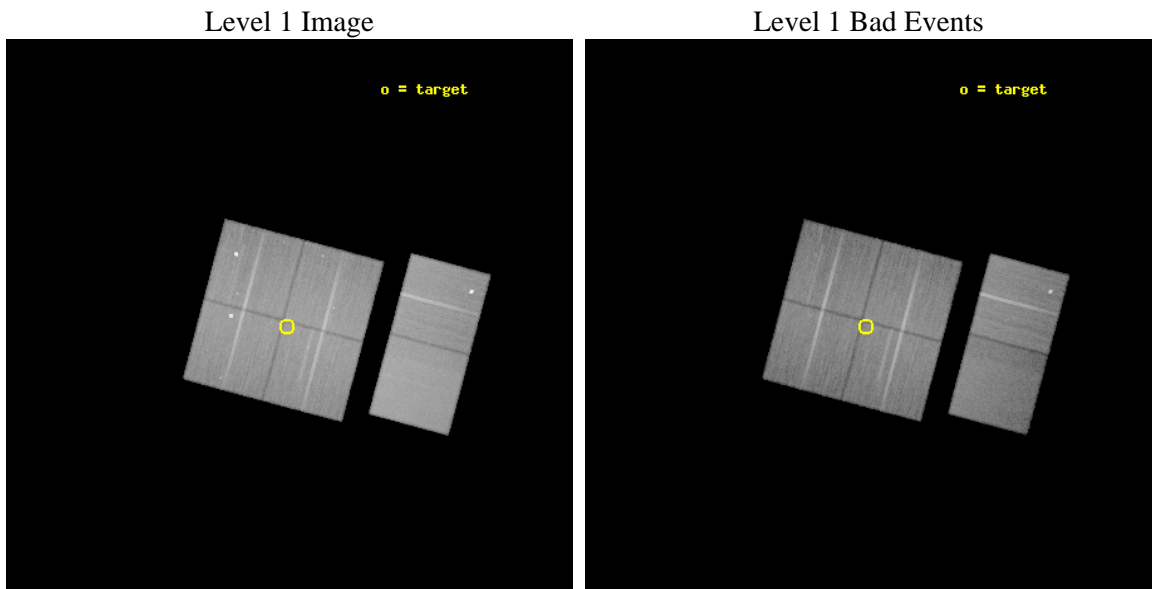
seq_num	200624	Sequence number
obs_id	10993	Observation id
title	Uncharted Territory in M17: In Search of an Older Generation of Young Stars	Proposal title
observer	Dr. Matthew Povich	Principal investigator
object	NGC 6618PG	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.297083	Observer's specified target RA [deg]
dec_targ	-15.981389	Observer's specified target Dec [deg]
ra_nom	275.29259341409	Nominal RA [deg]
dec_nom	-15.974553407805	Nominal Dec [deg]
roll_nom	104.9293448788	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40047.999850869	Sum of GTIs [s]
livetime	39540.887962747	Livetime [s]
ontime0	40041.51777041	Sum of GTIs [s]
ontime1	40044.758810461	Sum of GTIs [s]
ontime2	40041.51777041	Sum of GTIs [s]
ontime3	40047.999850869	Sum of GTIs [s]
ontime6	40047.999850869	Sum of GTIs [s]
ontime7	40047.999850869	Sum of GTIs [s]
l2events	330093	Number of level 2 events



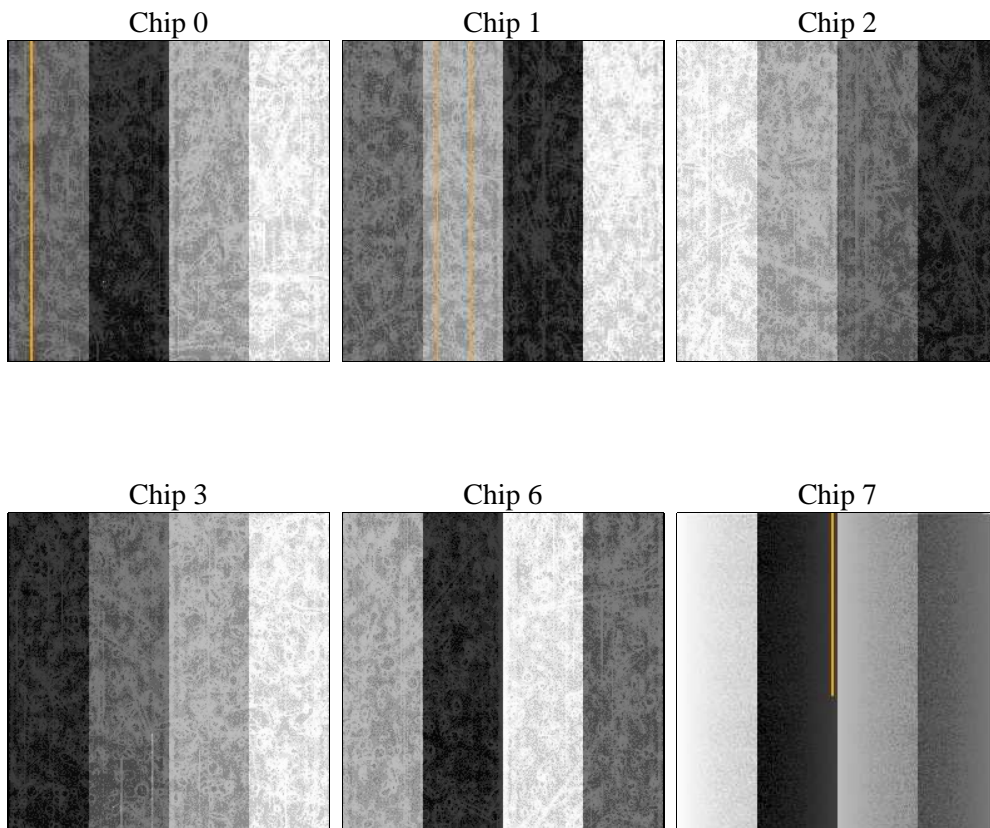
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40047.999850869	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	40041.51777041	Sum of GTIs [s]
date	2012-06-26T14:47:34	Date and time of file creation	ontime1	40044.758810461	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40041.51777041	Sum of GTIs [s]
			ontime3	40047.999850869	Sum of GTIs [s]
			ontime6	40047.999850869	Sum of GTIs [s]
			ontime7	40047.999850869	Sum of GTIs [s]
			l1events	1929906	Number of level 1 events

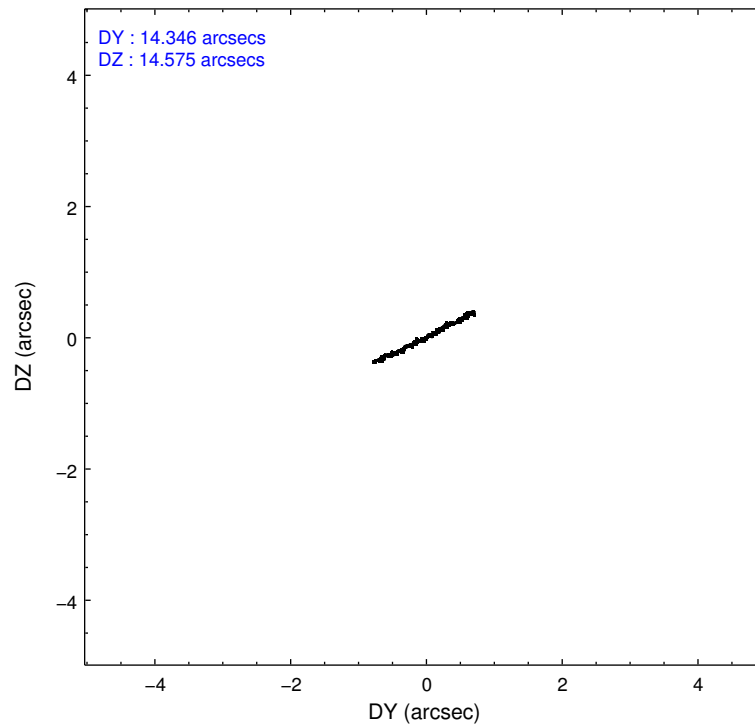
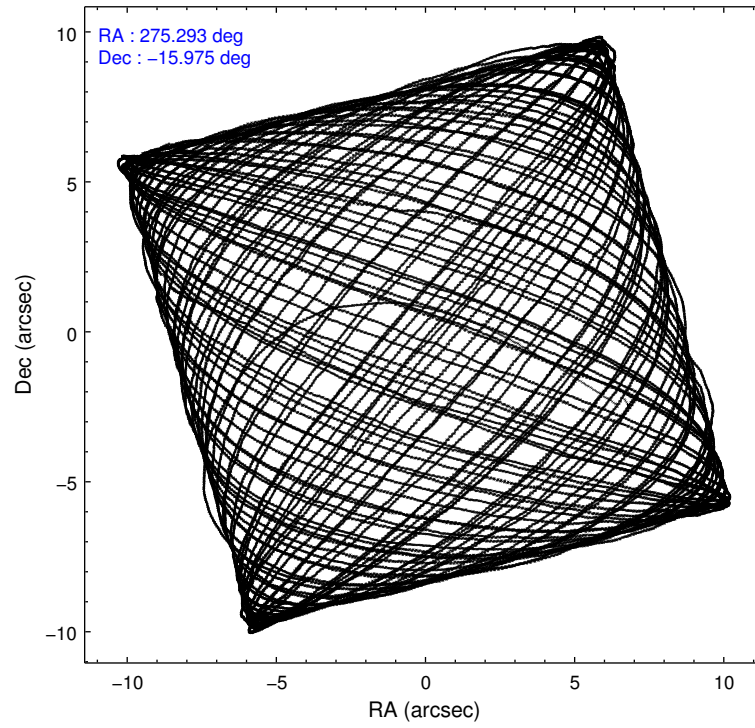
2.1.4 Events

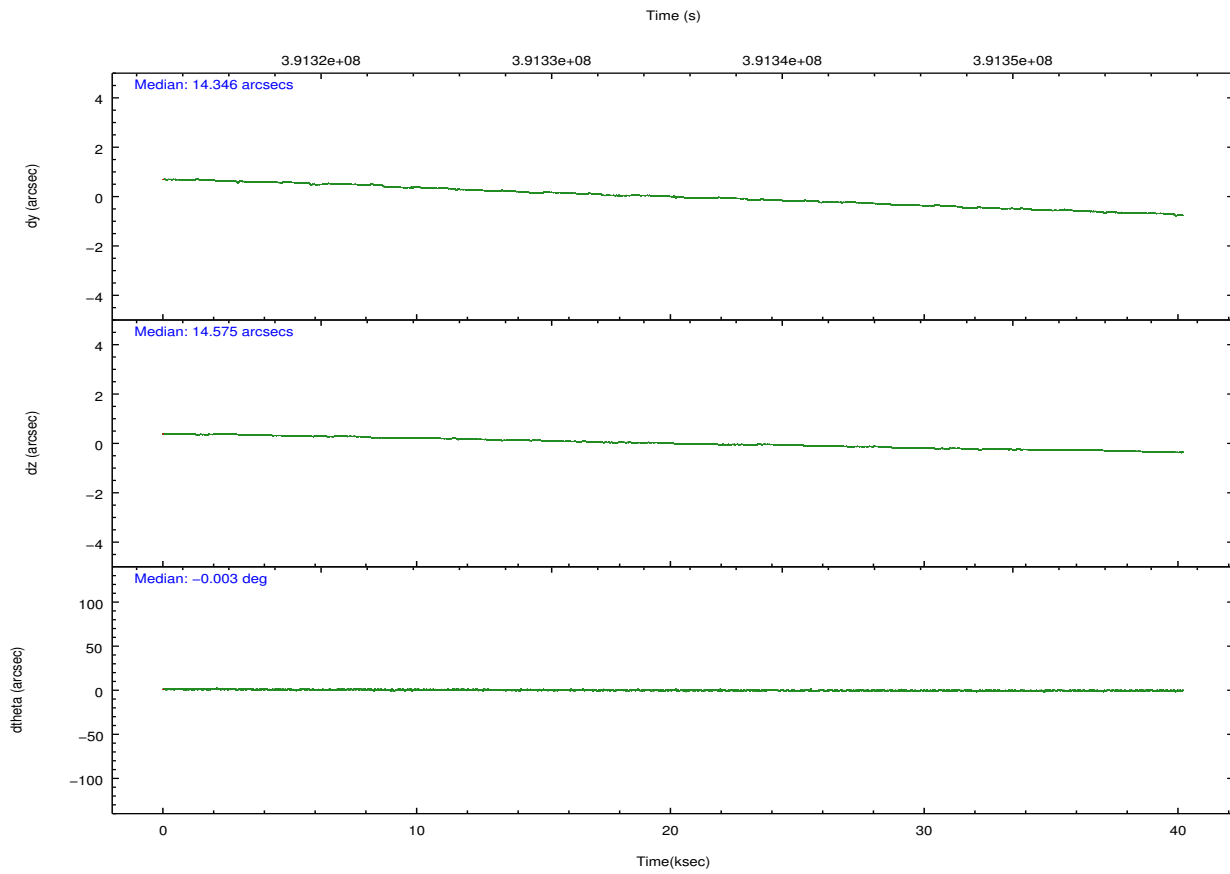
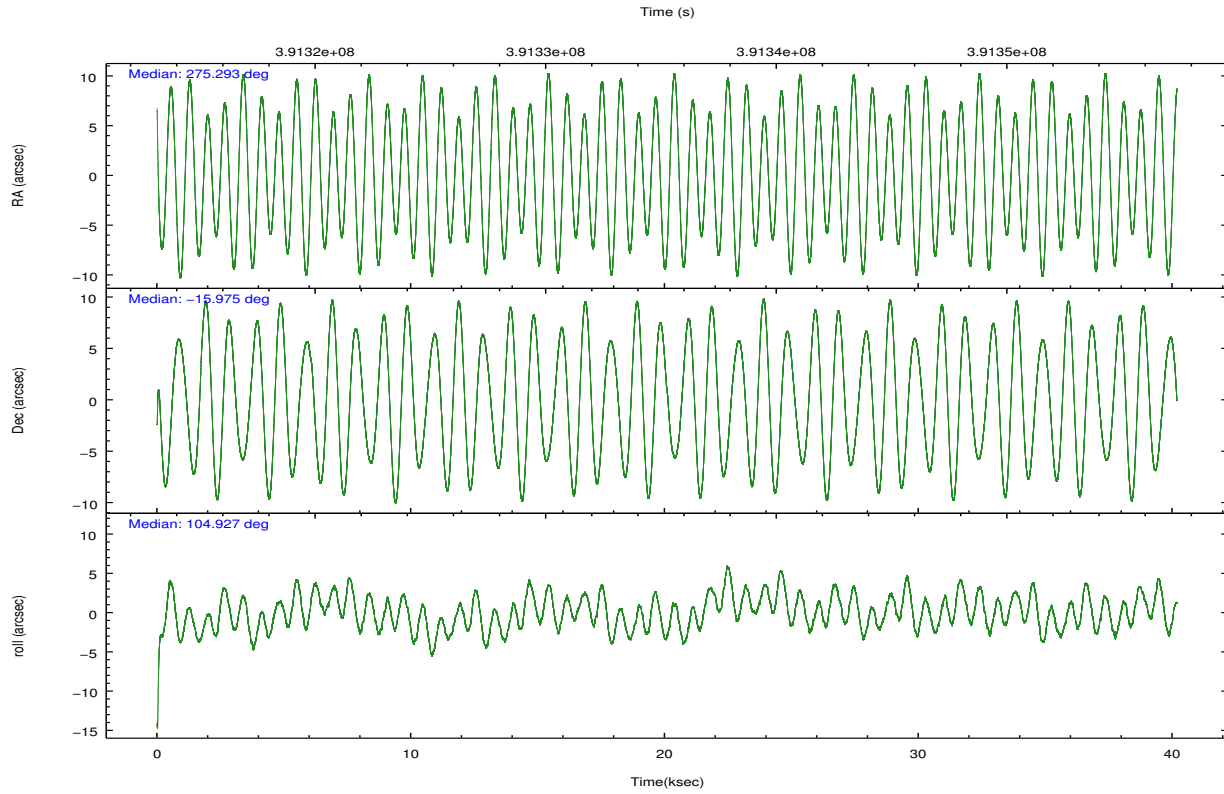
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	297343	301698	315821	305962	331254	377828	grade 0 events	26709	27143	15129	16506	22025	16695
rejected events	248106	250204	279531	268421	286144	204495		8%	8%	4%	5%	6%	4%
rejected %	83%	82%	88%	87%	86%	54%	grade 1 events	245	238	191	214	3042	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	8519	9168	8174	7363	8264	35482
								2%	3%	2%	2%	2%	9%
							grade 3 events	3799	3829	3397	3613	3558	15532
								1%	1%	1%	1%	1%	4%
							grade 4 events	3537	3850	3455	3579	3505	15185
								1%	1%	1%	1%	1%	4%
							grade 5 events	12231	13071	11315	13796	14373	38875
								4%	4%	3%	4%	4%	10%
							grade 6 events	6676	7508	6138	6481	7761	90457
								2%	2%	1%	2%	2%	23%
							grade 7 events	235627	236891	268022	254410	268726	165105
								79%	78%	84%	83%	81%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	275.312880	275.2925934140891	CCD I2 on	Y	Y
[deg] Pointing Dec	-15.993946	-15.97455340780523	CCD I3 on	Y	Y
[deg] Pointing Roll	104.726253	104.9293448787959	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	391315364.184000	391313683.80227	CCD S5 on	N	N
Observation start date	2010-05-27T02:41:38	2010-05-27T02:14:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	391355364.184000	391356405.80445	On-chip summing requested	N	N
Observation end date	2010-05-27T13:48:18	2010-05-27T14:06:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





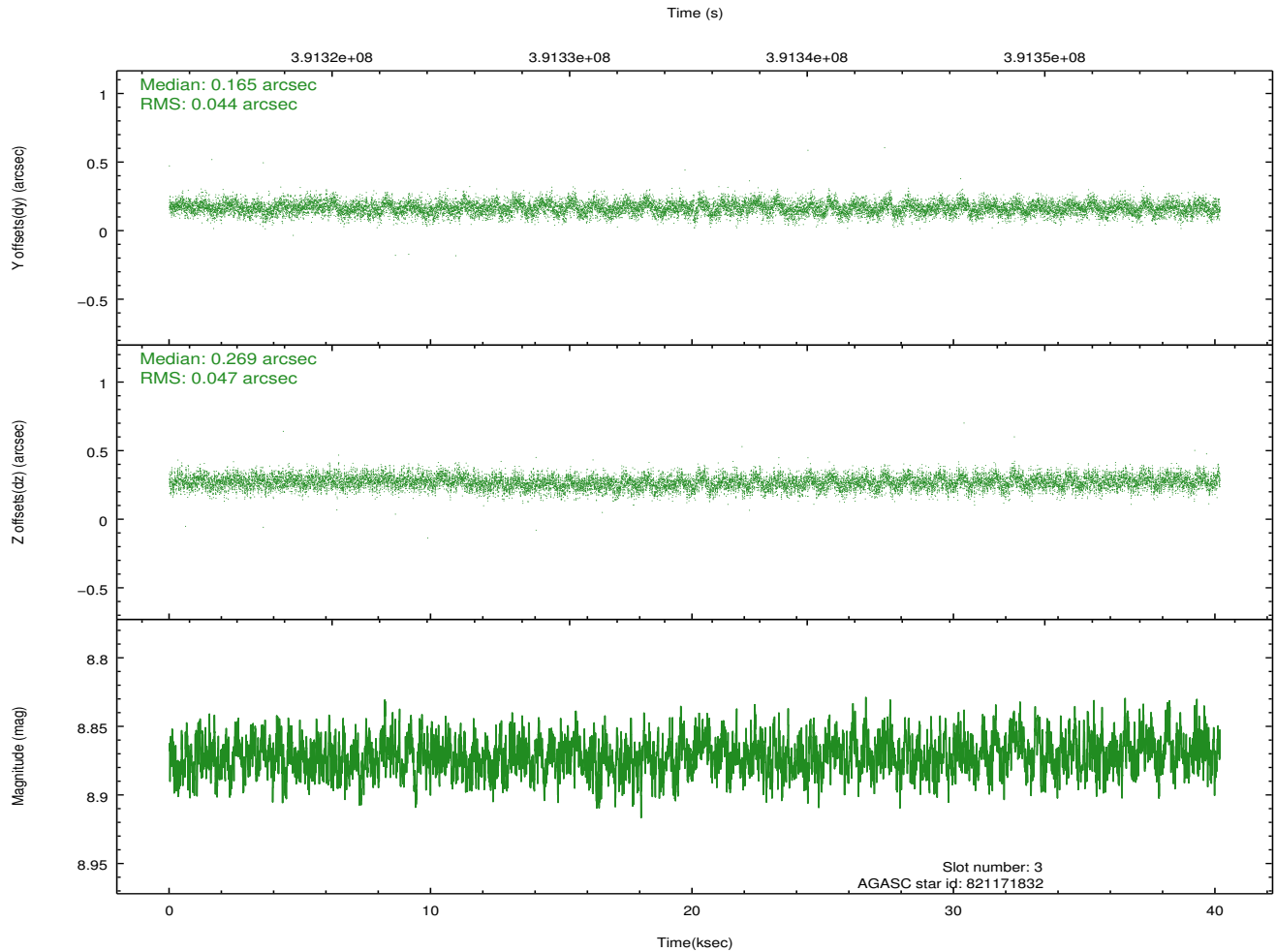
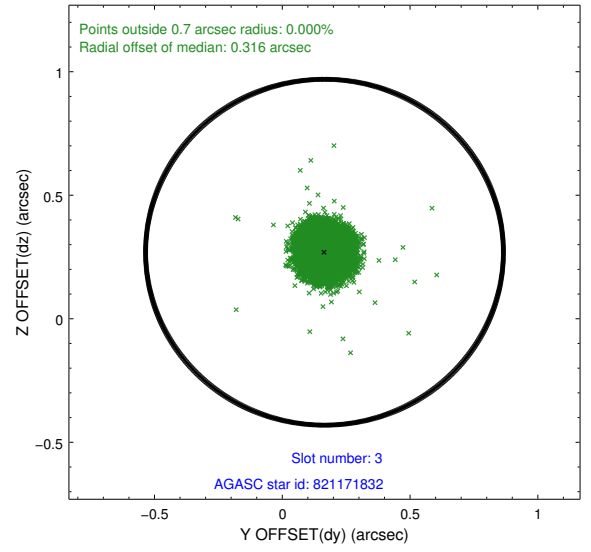
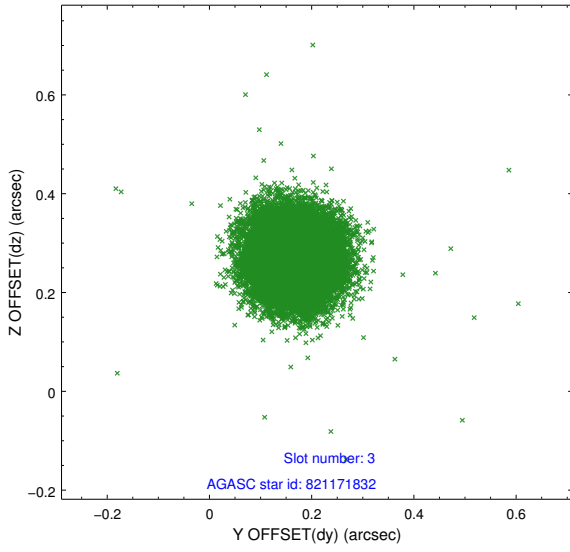
Slot Statistics

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	9802	0.048	-0.015	0.010	0.017	0.000000	0.000000	925.20	-838.17
1	FID	ACIS-I-5	7.09	9801	-0.244	0.043	0.009	0.015	0.000000	0.000000	-1823.23	1059.32
2	FID	ACIS-I-6	7.09	9800	0.105	0.043	0.011	0.019	0.000000	0.000000	390.74	1703.87
3	GUIDE	821171832	8.87	19586	0.165	0.269	0.069	0.111	275.792275	-15.610164	912.22	-1957.87
4	GUIDE	821175360	8.56	19590	-0.184	-0.274	0.064	0.107	275.121622	-15.398191	2242.65	96.77
5	GUIDE	821179256	7.43	19600	-0.178	-0.074	0.049	0.081	274.840900	-15.612800	1741.23	1234.53
6	GUIDE	821180448	7.20	19598	0.137	0.233	0.058	0.097	275.453560	-16.324585	-1274.60	-167.08
7	GUIDE	821181816	8.42	19596	0.058	-0.155	0.074	0.121	274.847938	-16.750455	-2228.42	2242.89

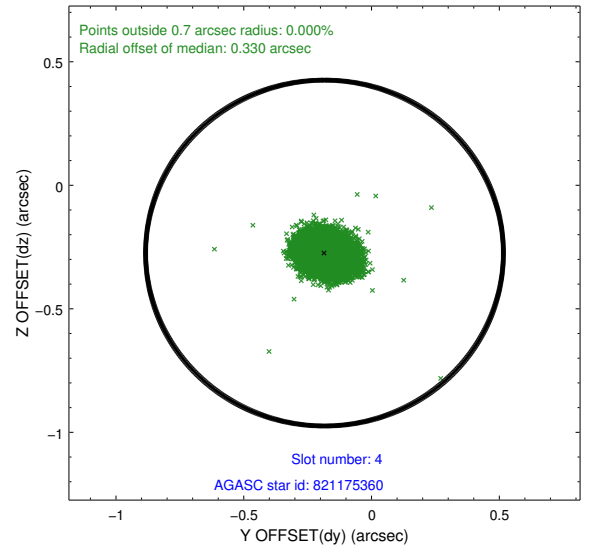
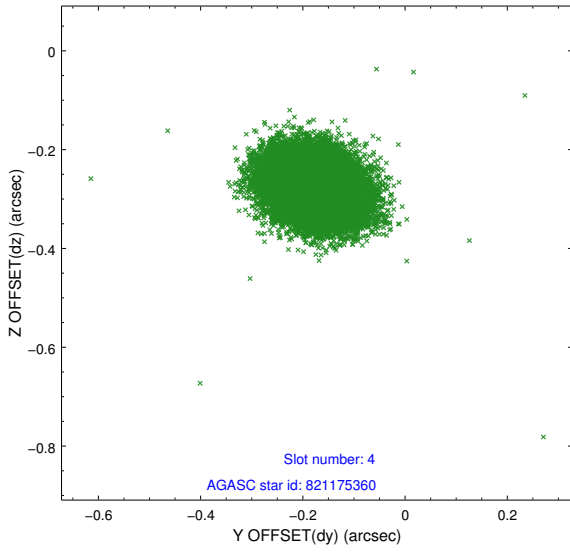
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2.4 Star Slots

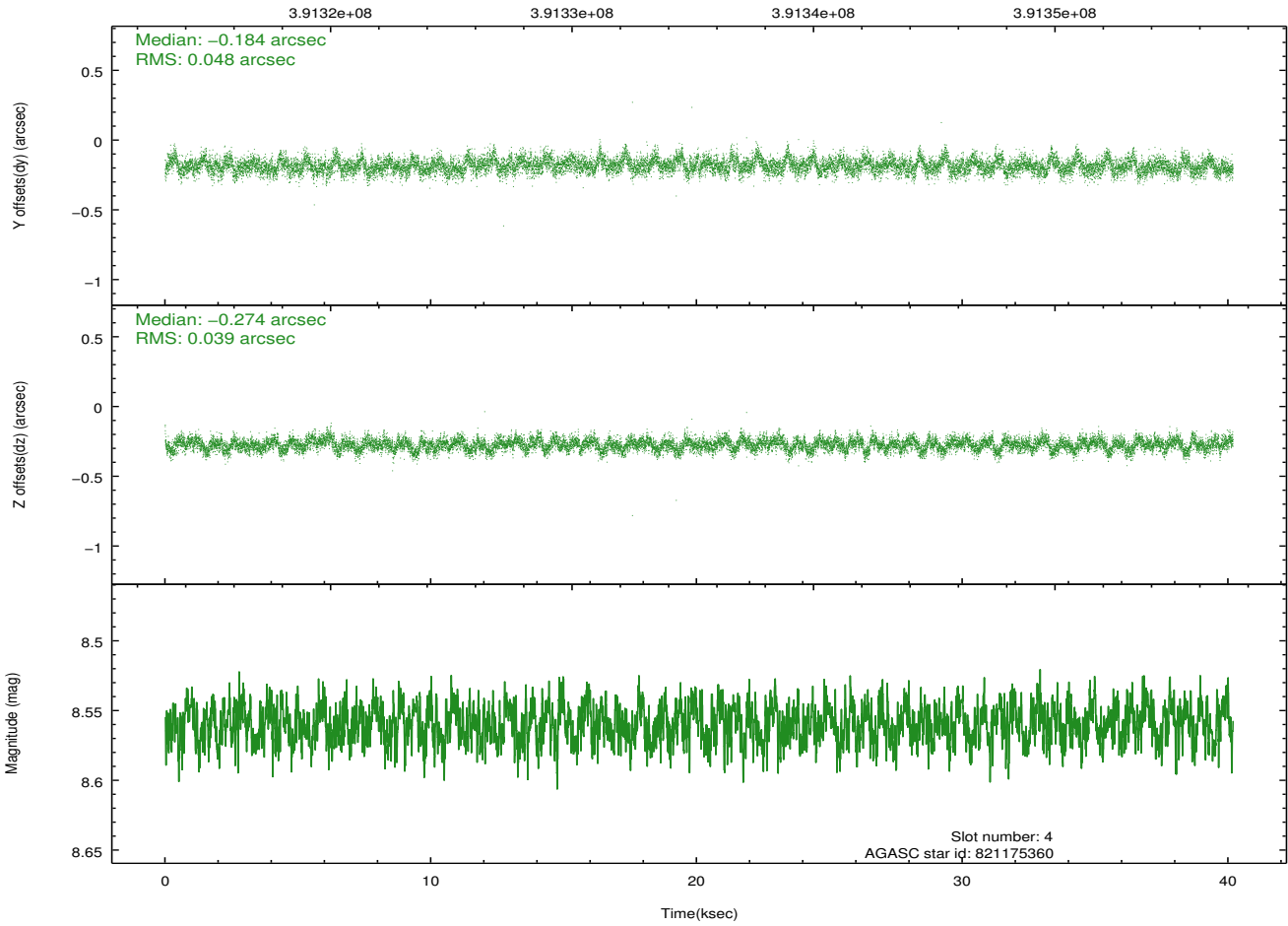
2.4.1 Slot 3



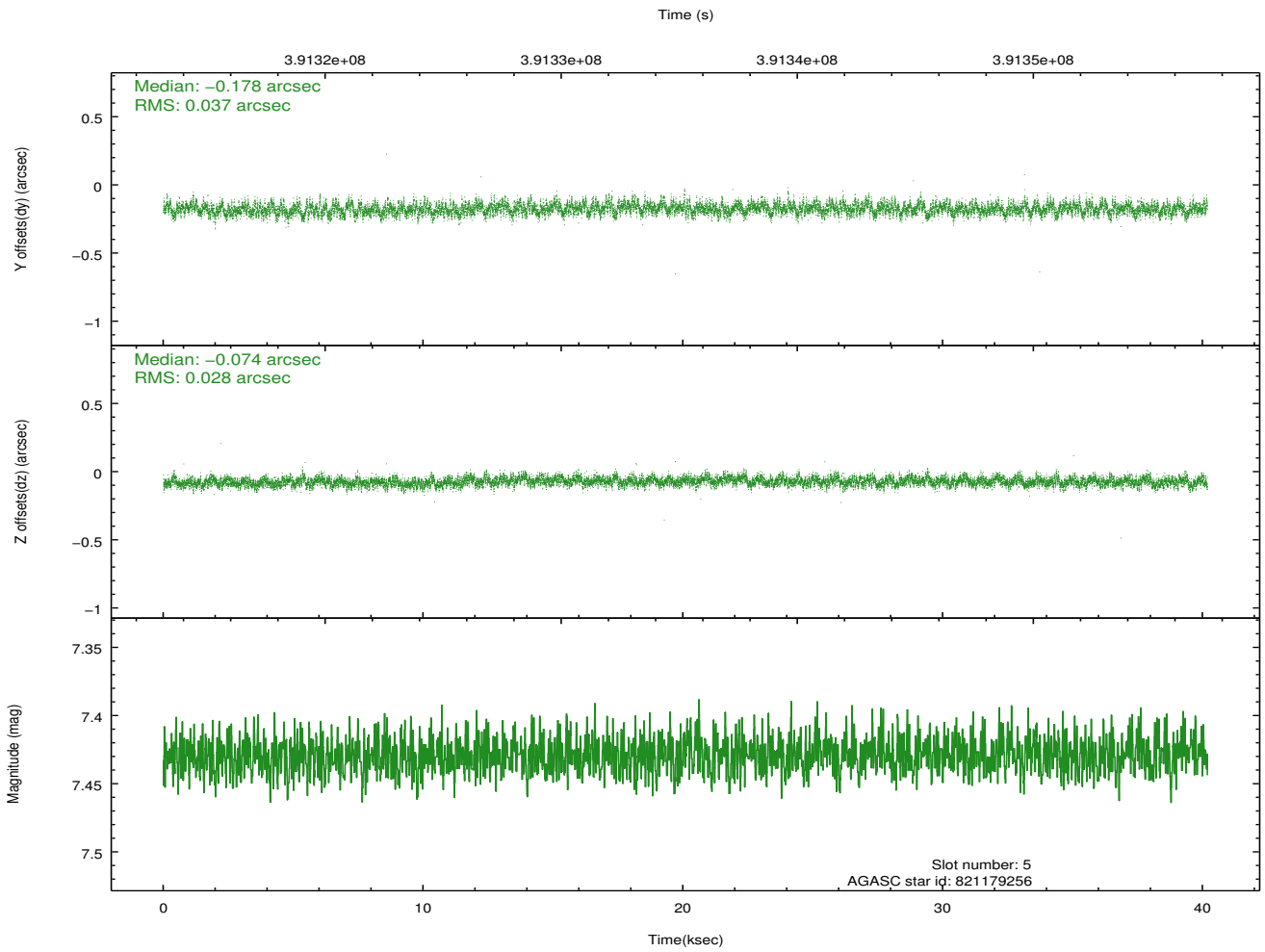
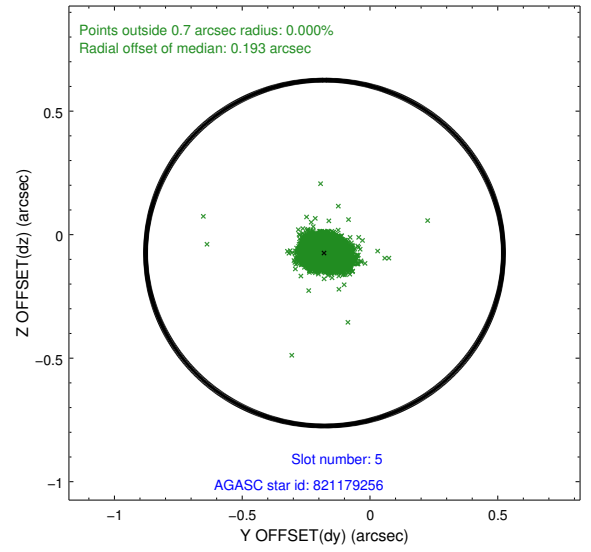
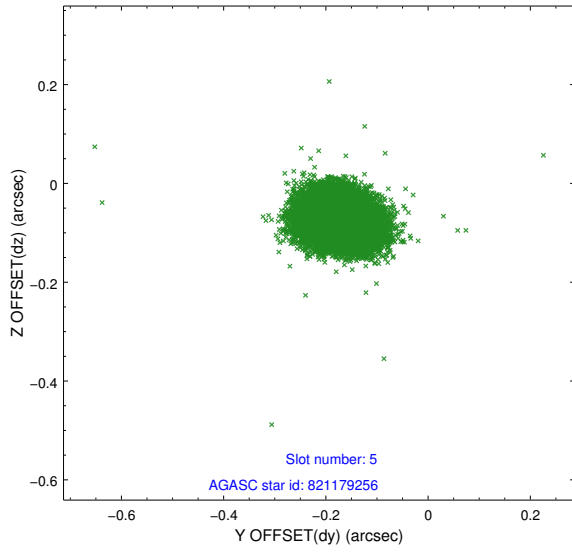
2.4.2 Slot 4



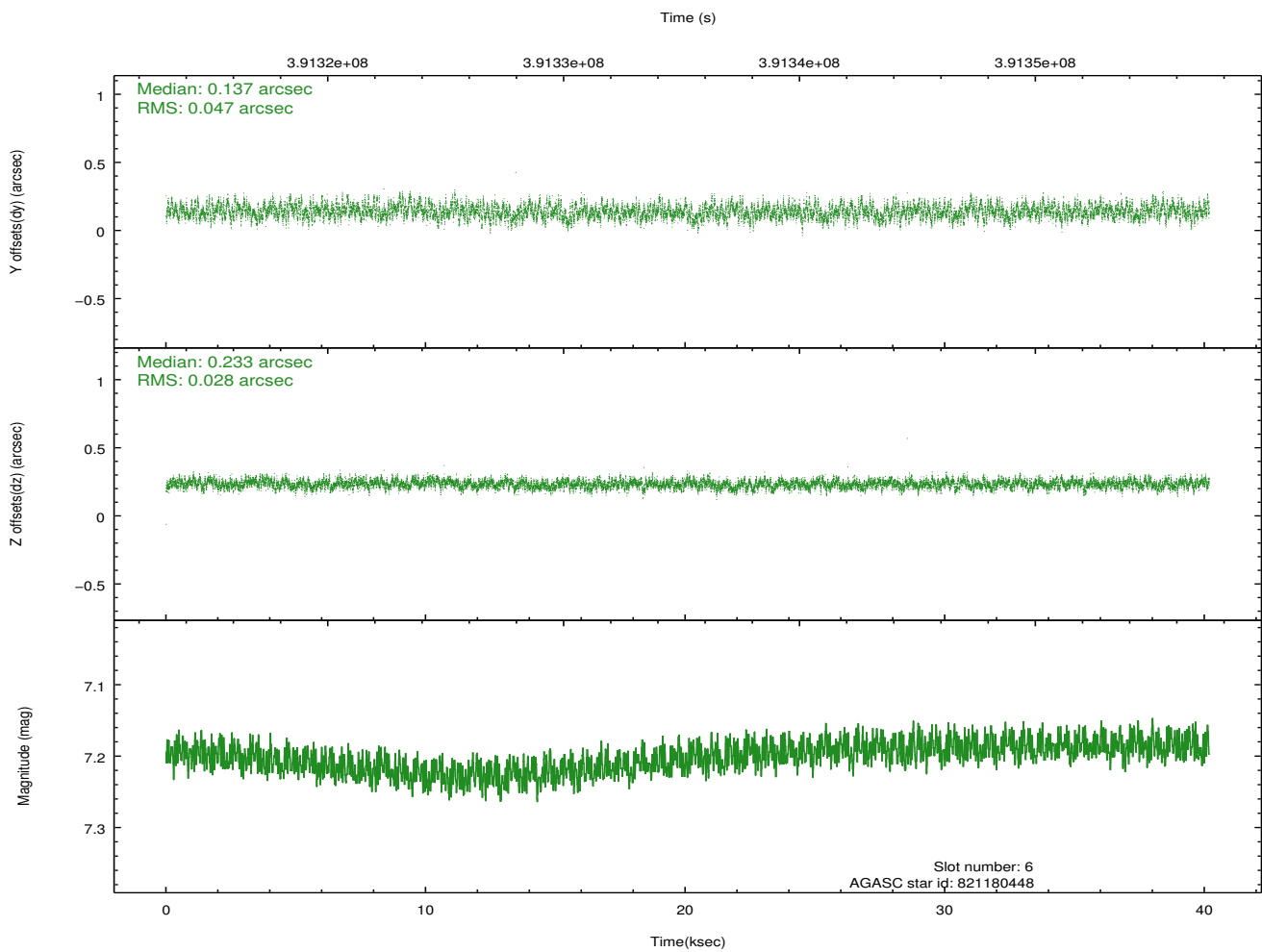
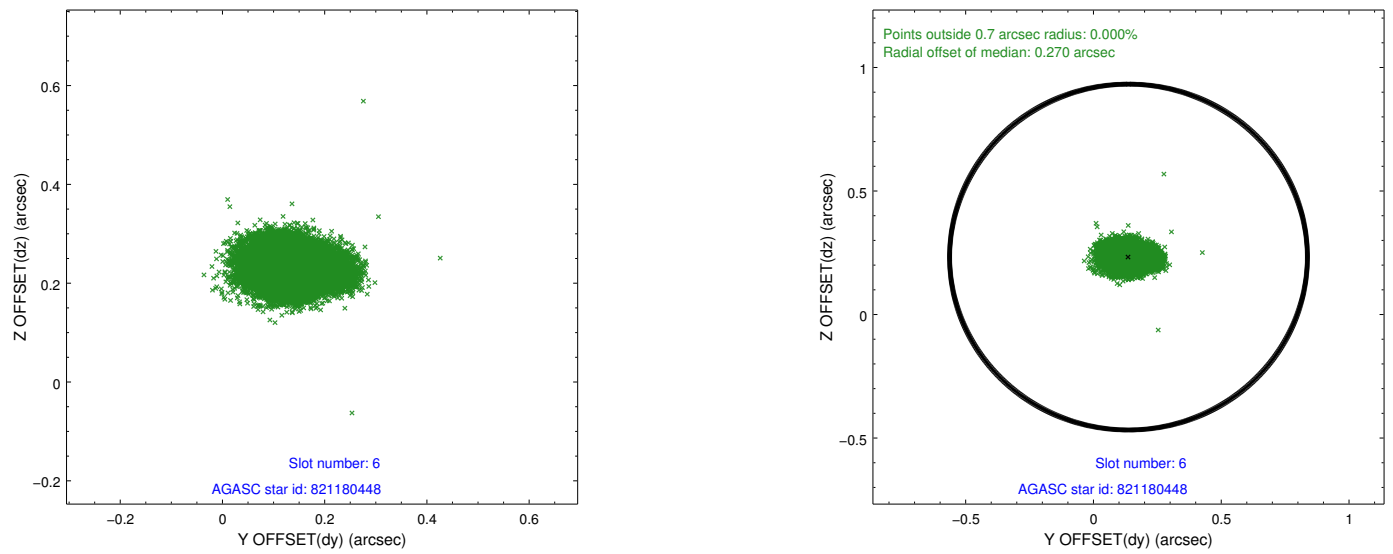
Time (s)



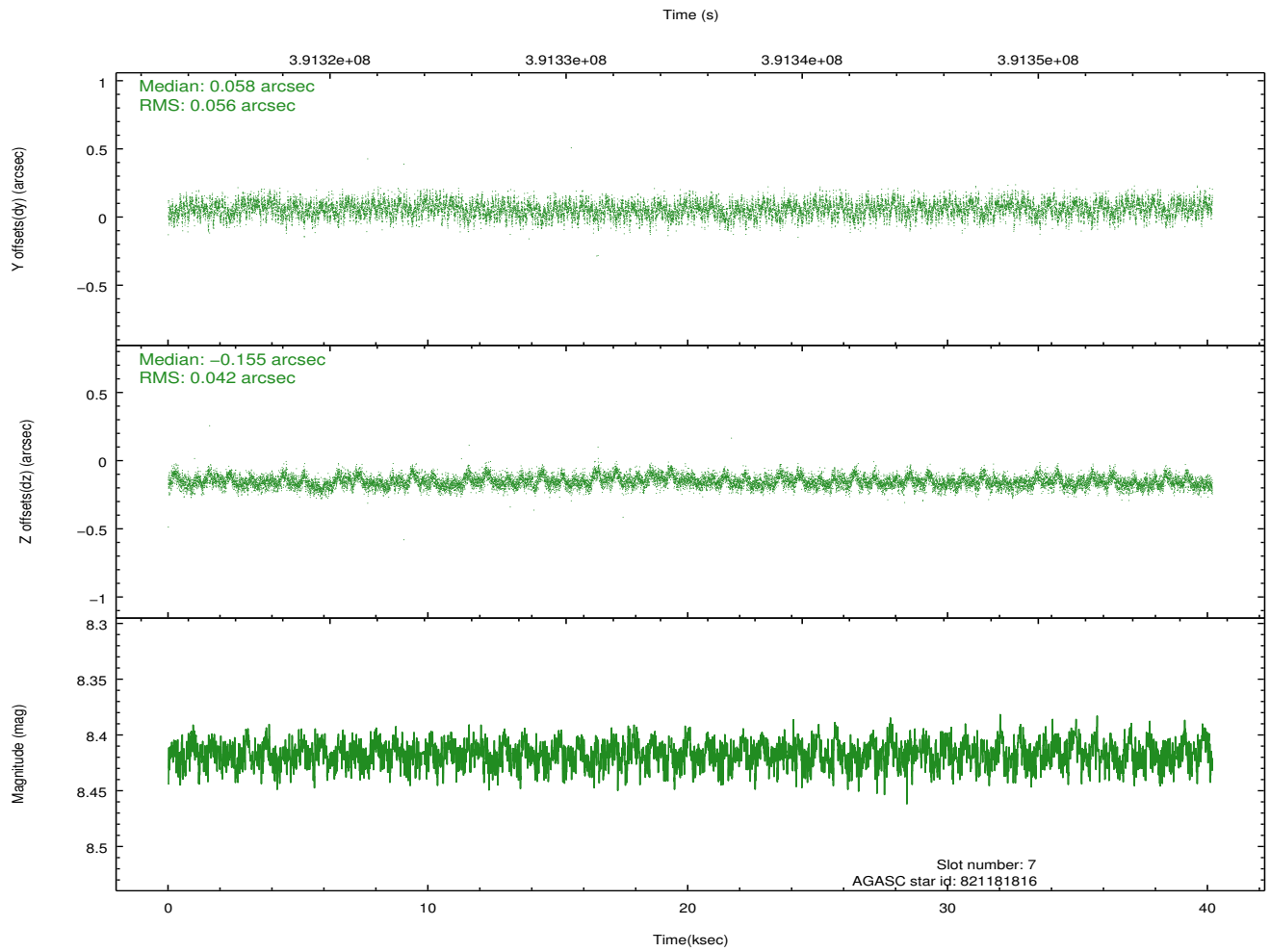
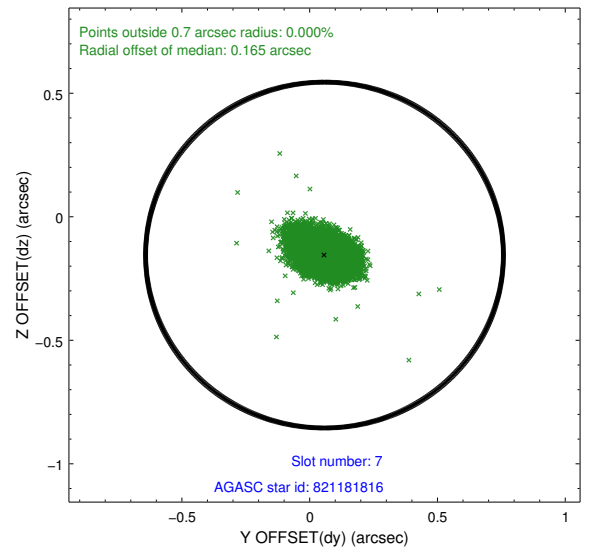
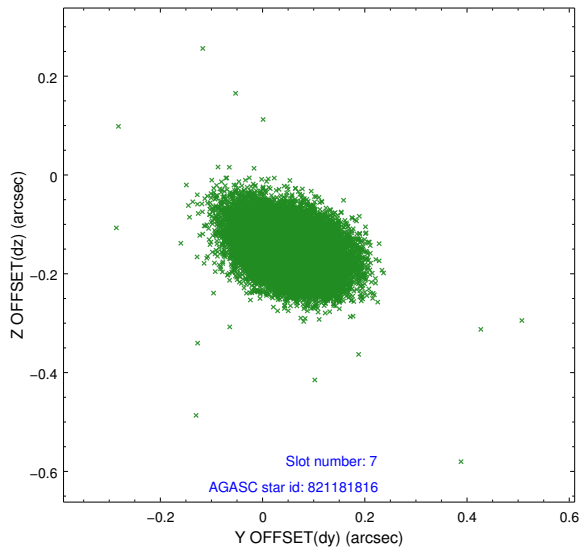
2.4.3 Slot 5



2.4.4 Slot 6

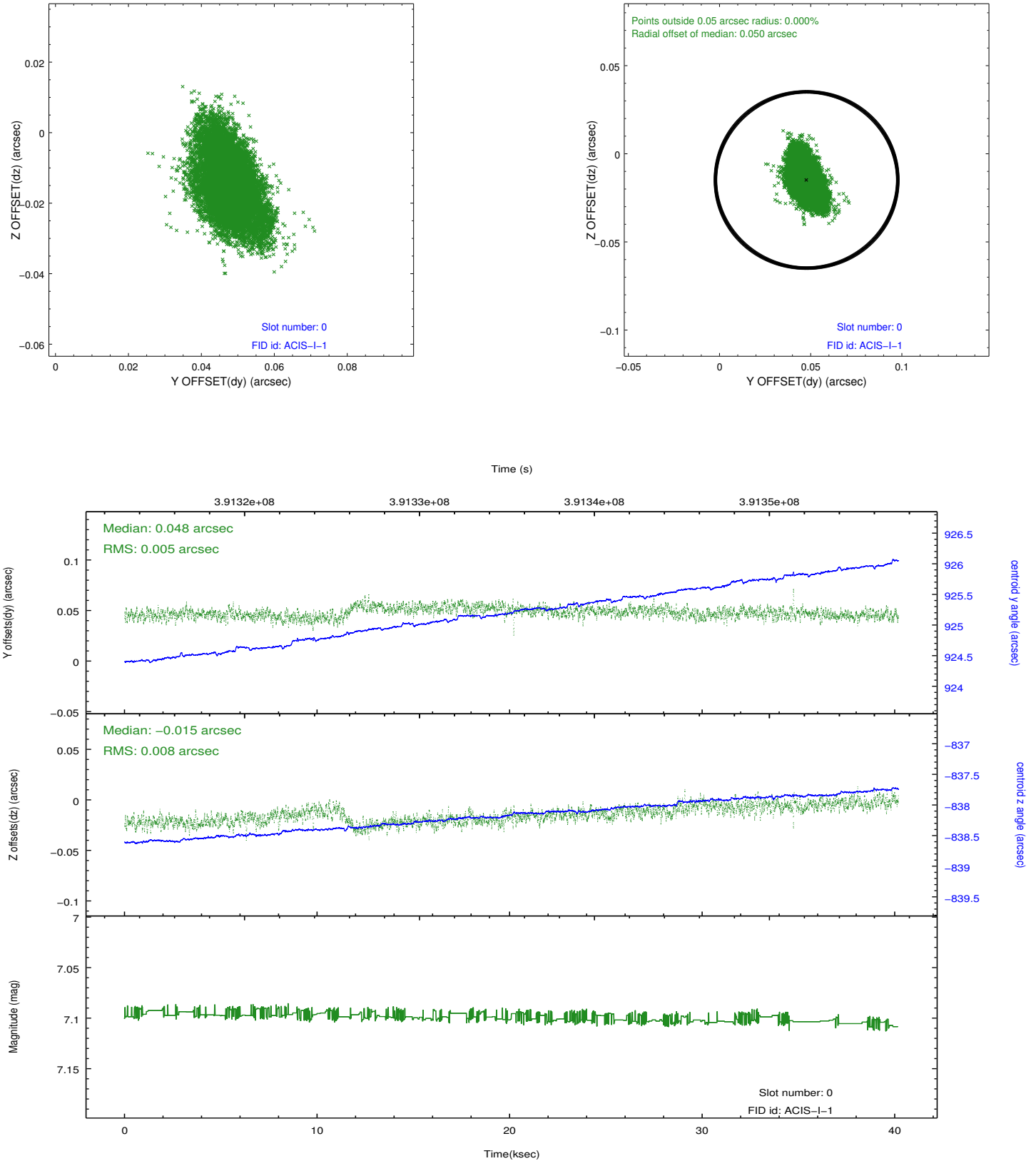


2.4.5 Slot 7

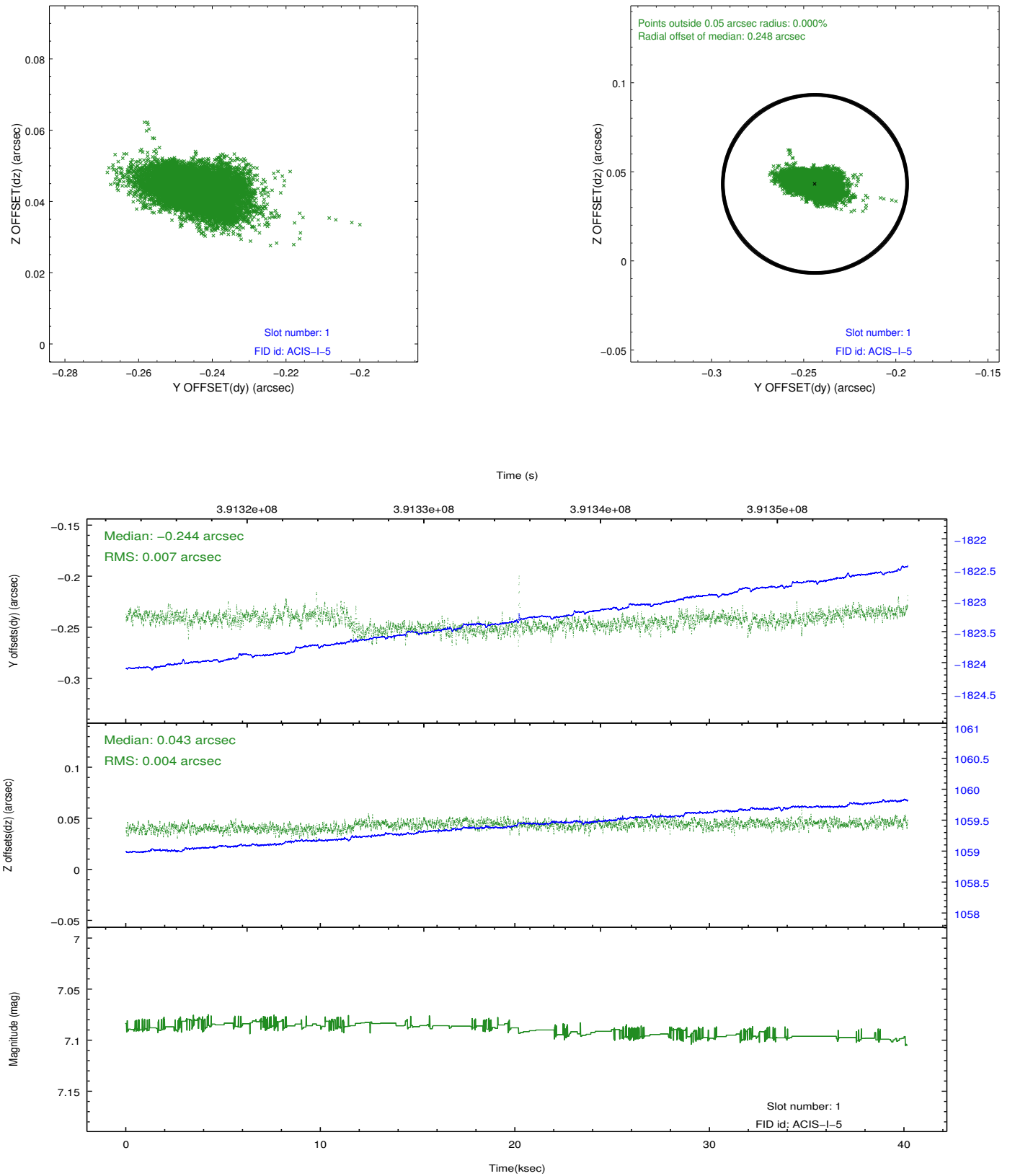


2.5 FID Slots

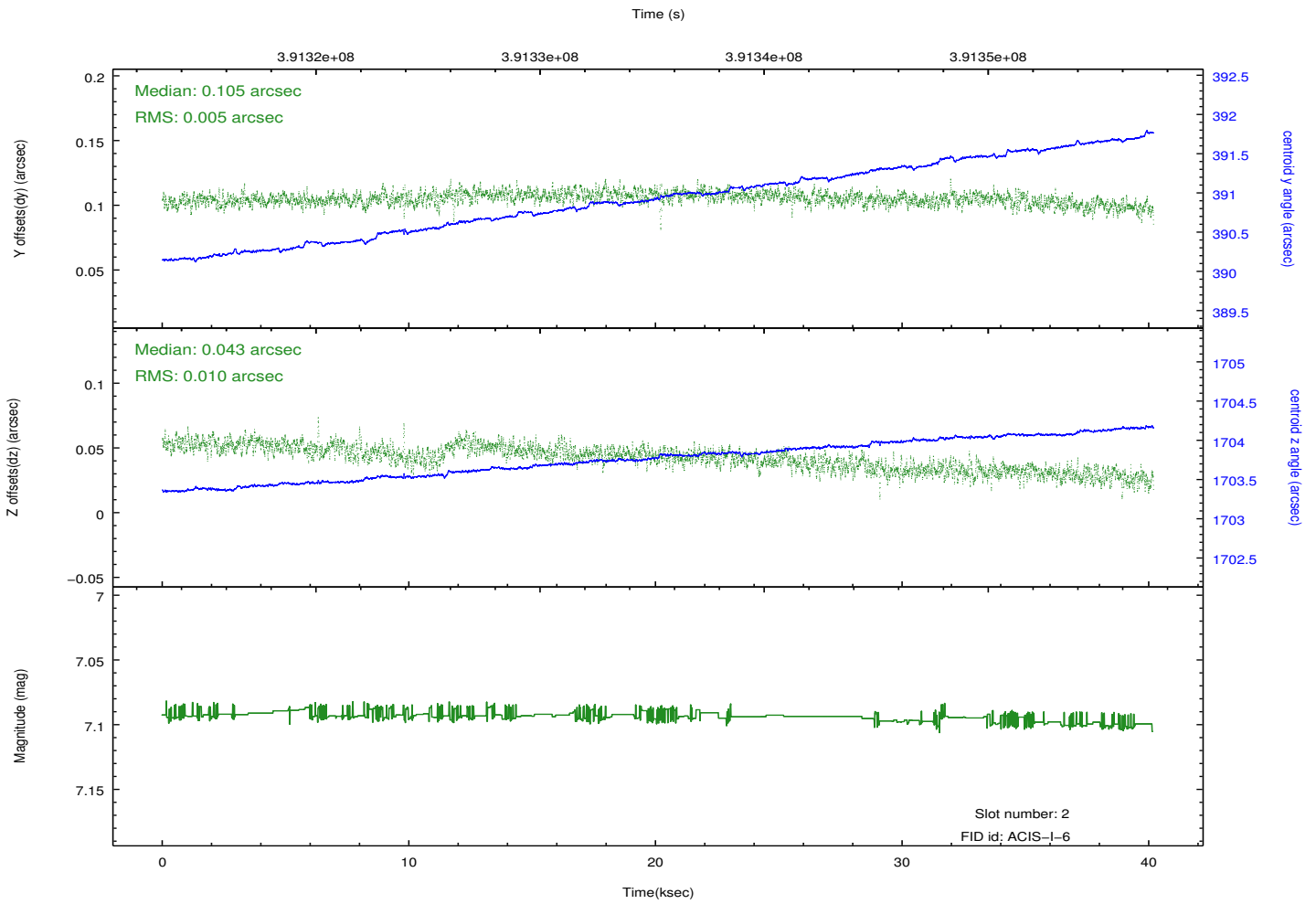
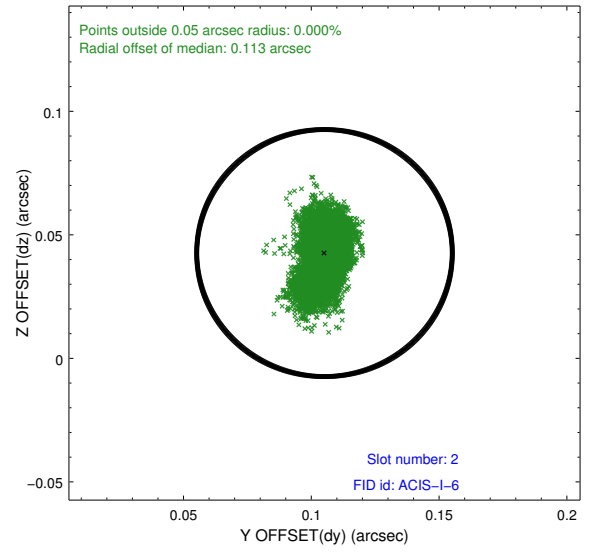
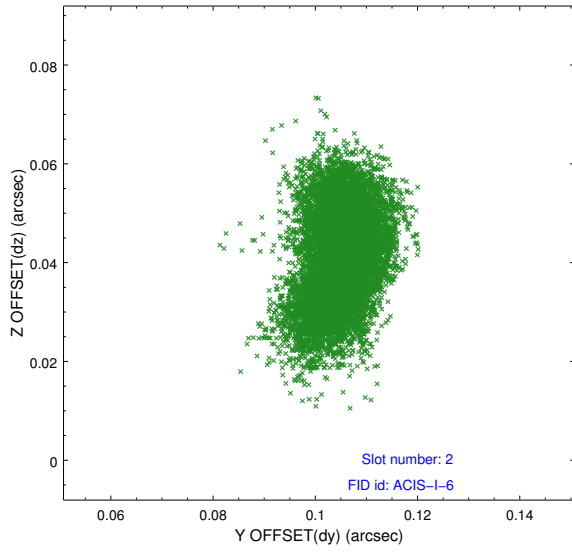
2.5.1 Slot 0



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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.047999850869

A.2 Comments