

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2944 - L2 Version 3
Chandra X-Ray Center

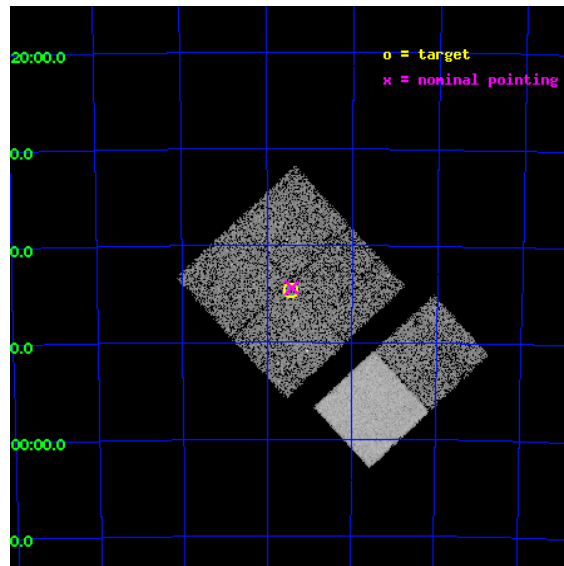
L2 Processing Date : Oct 8 2012

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

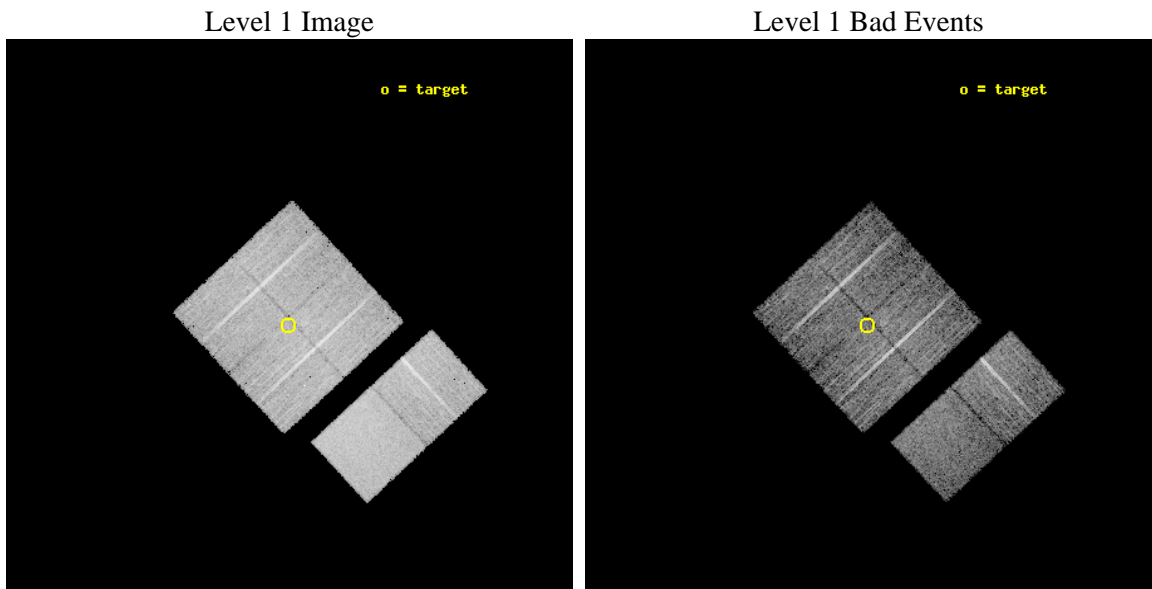
seq_num	600281	Sequence number
obs_id	2944	Observation id
title	A CHANDRA SURVEY OF THE SMC	Proposal title
observer	Dr Andreas Zezas	Principal investigator
object	SMC FIELD 7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.360833	Observer's specified target RA [deg]
dec_targ	-72.743889	Observer's specified target Dec [deg]
ra_nom	12.35454743449	Nominal RA [deg]
dec_nom	-72.739665649024	Nominal Dec [deg]
roll_nom	137.16527829195	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8962.6698262691	Sum of GTIs [s]
livetime	8849.1791042571	Livetime [s]
ontime0	8962.5467062891	Sum of GTIs [s]
ontime1	8962.5877462626	Sum of GTIs [s]
ontime2	8962.6287862659	Sum of GTIs [s]
ontime3	8962.6698262691	Sum of GTIs [s]
ontime6	8962.7519062757	Sum of GTIs [s]
ontime7	8962.7108662724	Sum of GTIs [s]
l2events	59138	Number of level 2 events



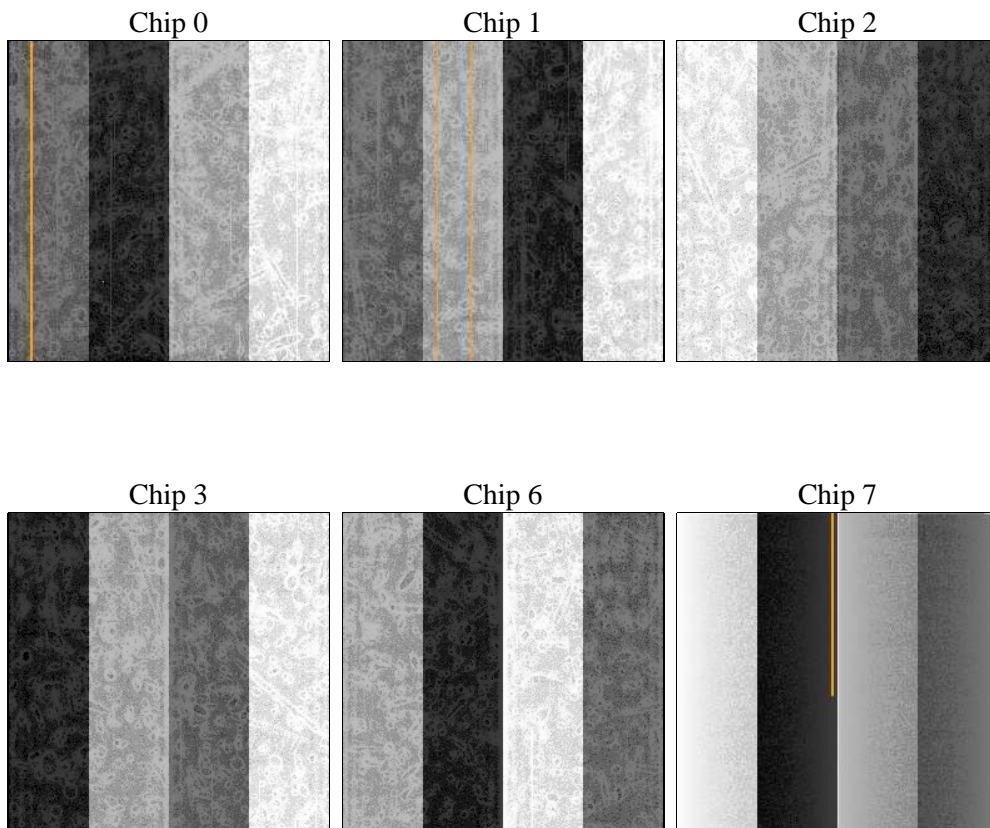
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8962.6698262691	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	8962.5467062891	Sum of GTIs [s]
date	2012-10-08T05:44:42	Date and time of file creation	ontime1	8962.5877462626	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8962.6287862659	Sum of GTIs [s]
			ontime3	8962.6698262691	Sum of GTIs [s]
			ontime6	8962.7519062757	Sum of GTIs [s]
			ontime7	8962.7108662724	Sum of GTIs [s]
			l1events	345538	Number of level 1 events

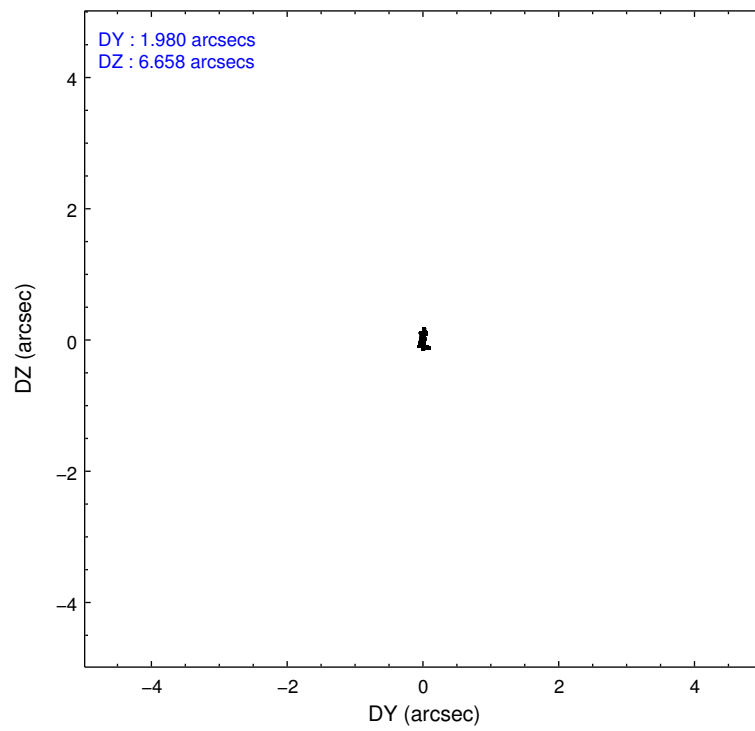
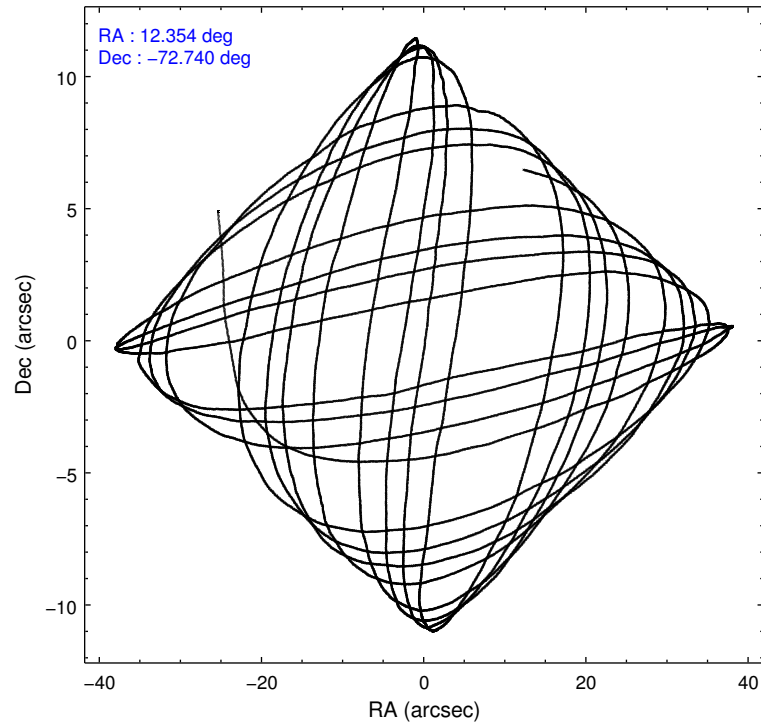
2.1.4 Events

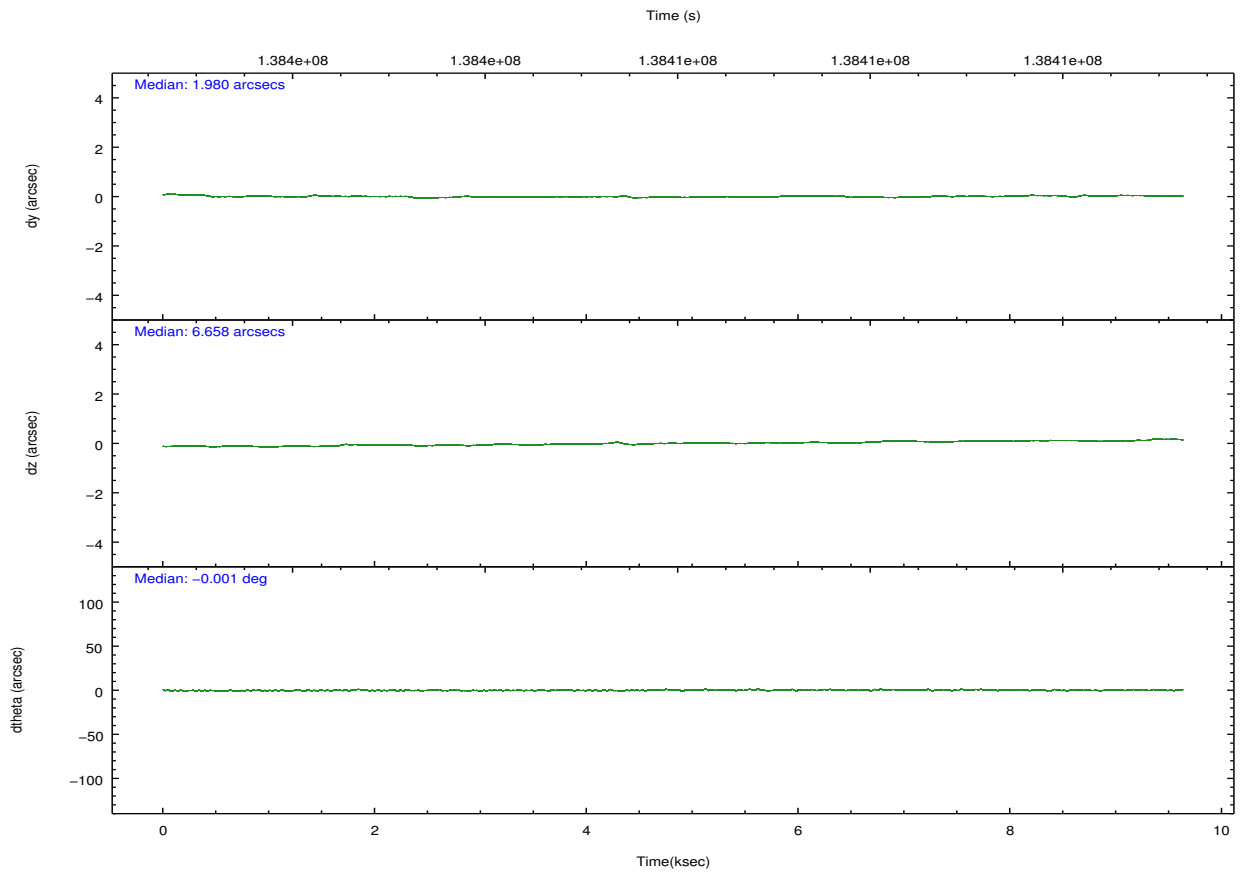
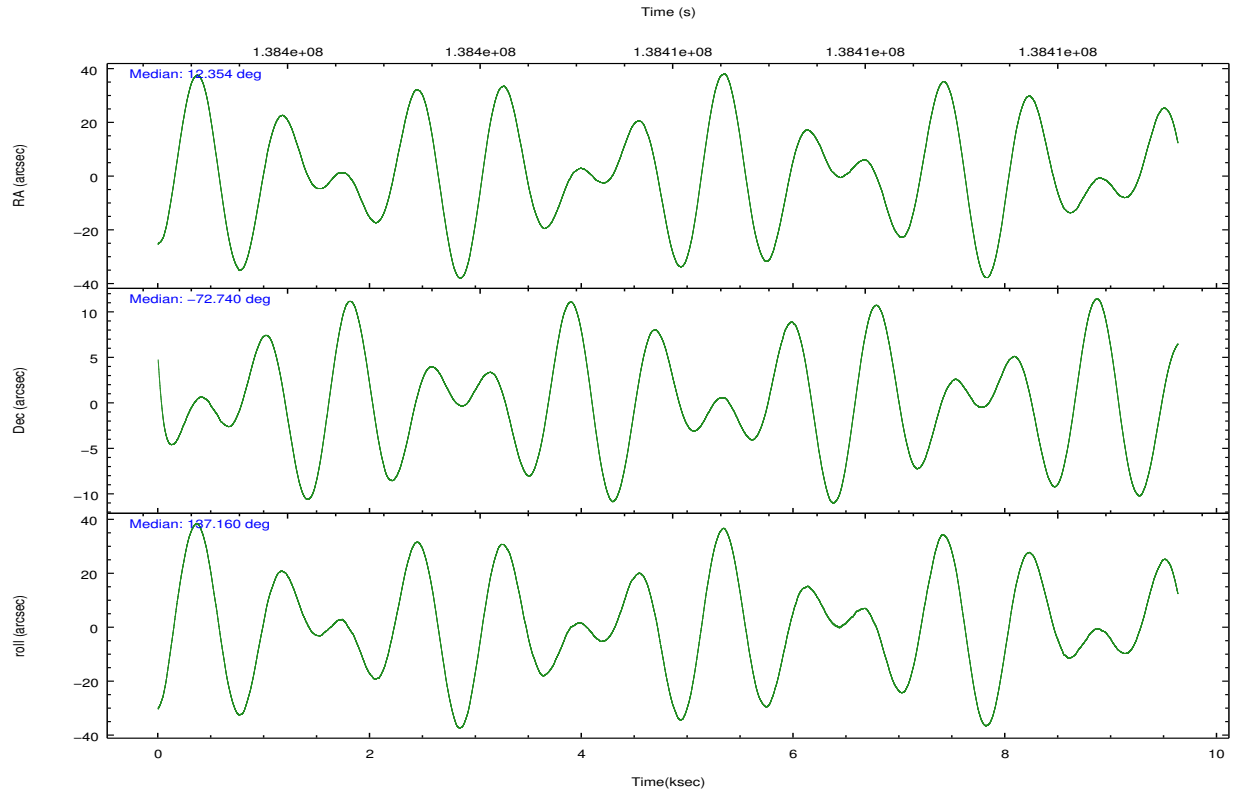
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	49806	51257	55885	56844	58684	73062	grade 0 events	2971	2925	2943	3109	2641	2787
rejected events	42823	44228	49270	49971	51997	42571		5%	5%	5%	5%	4%	3%
rejected %	85%	86%	88%	87%	88%	58%	grade 1 events	18	39	30	22	32	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	1473	1508	1462	1304	1385	5958
								2%	2%	2%	2%	2%	8%
							grade 3 events	632	659	583	640	709	2853
								1%	1%	1%	1%	1%	3%
							grade 4 events	646	668	568	638	653	2753
								1%	1%	1%	1%	1%	3%
							grade 5 events	2112	2263	1972	2235	2419	7041
								4%	4%	3%	3%	4%	9%
							grade 6 events	1267	1274	1061	1188	1304	16162
								2%	2%	1%	2%	2%	22%
							grade 7 events	40687	41921	47266	47708	49541	35443
								81%	81%	84%	83%	84%	48%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.444516	12.35454743449037	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.745618	-72.73966564902375	Alternating exposures requested	N	N
[deg] Pointing Roll	137.042517	137.1652782919533	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	138401771.184000	138400586.95465			
Observation start date	2002-05-21T20:55:07	2002-05-21T20:36:26			
[s] Observation end time (MET)	138410771.184000	138411342.28009			
Observation end date	2002-05-21T23:25:07	2002-05-21T23:35:42			
Read mode	TIMED	TIMED			

2.3 Aspect



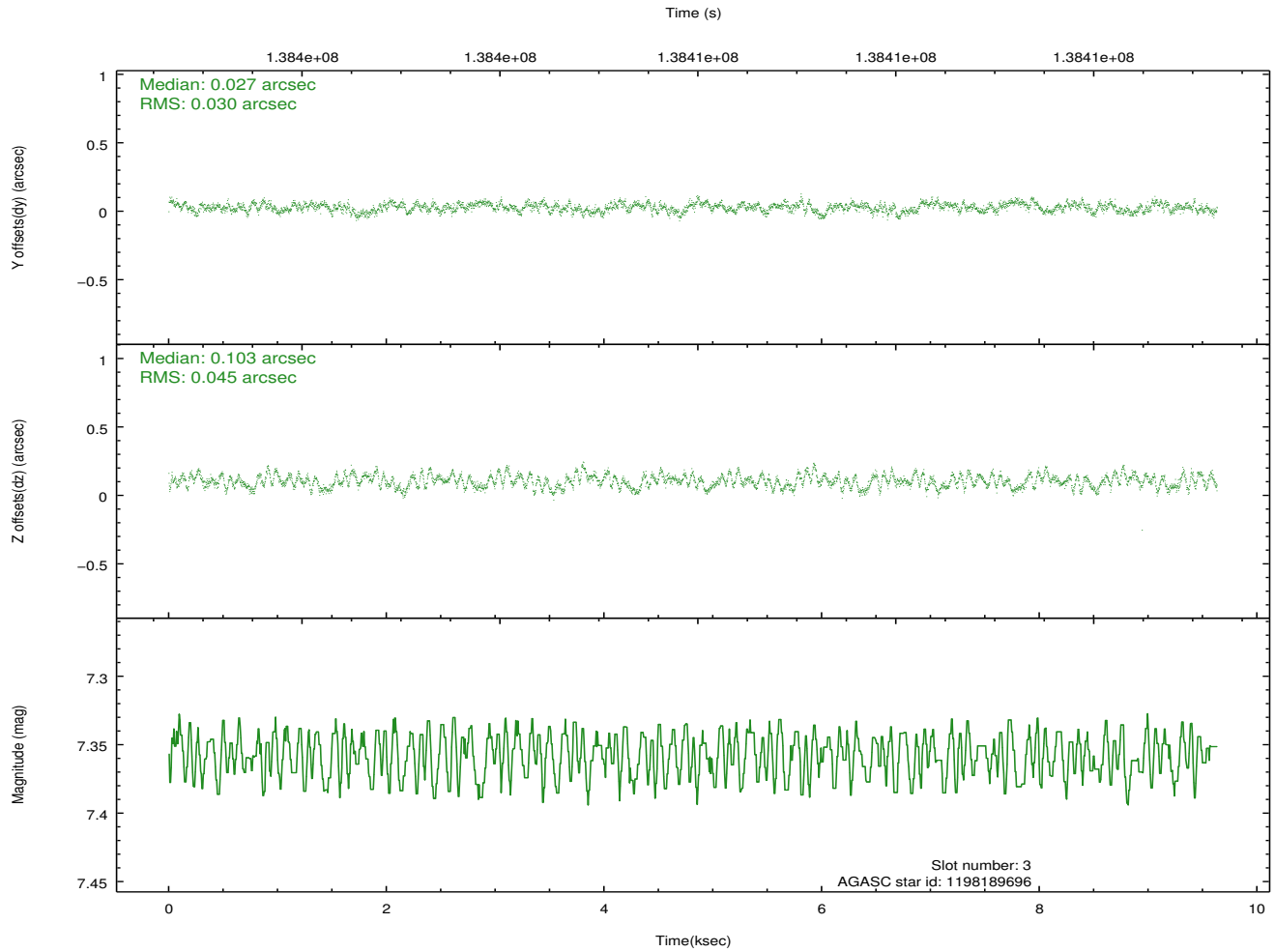
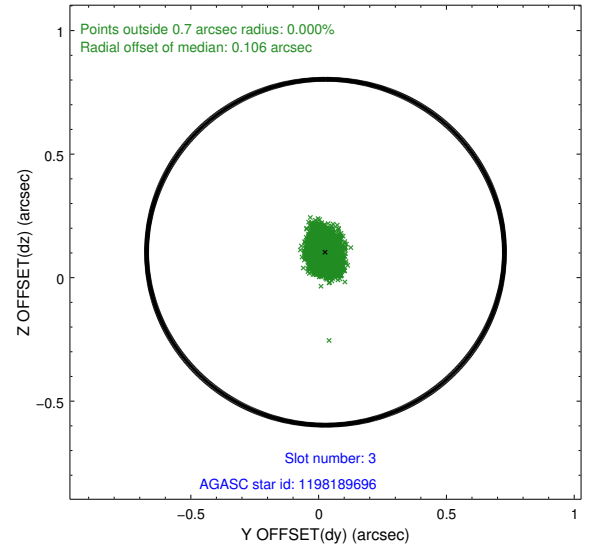
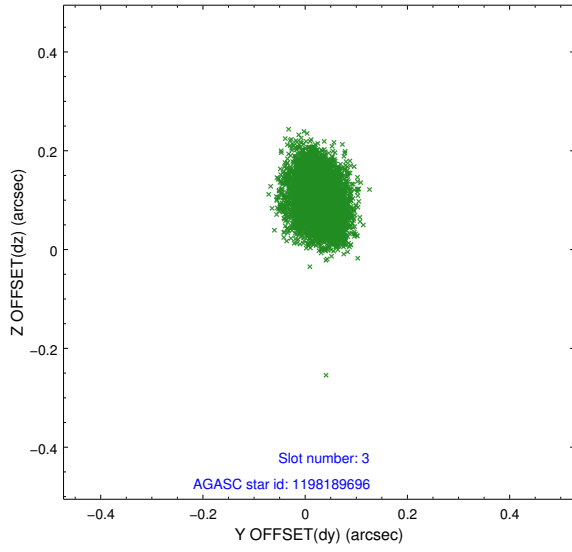


Slot Statistics

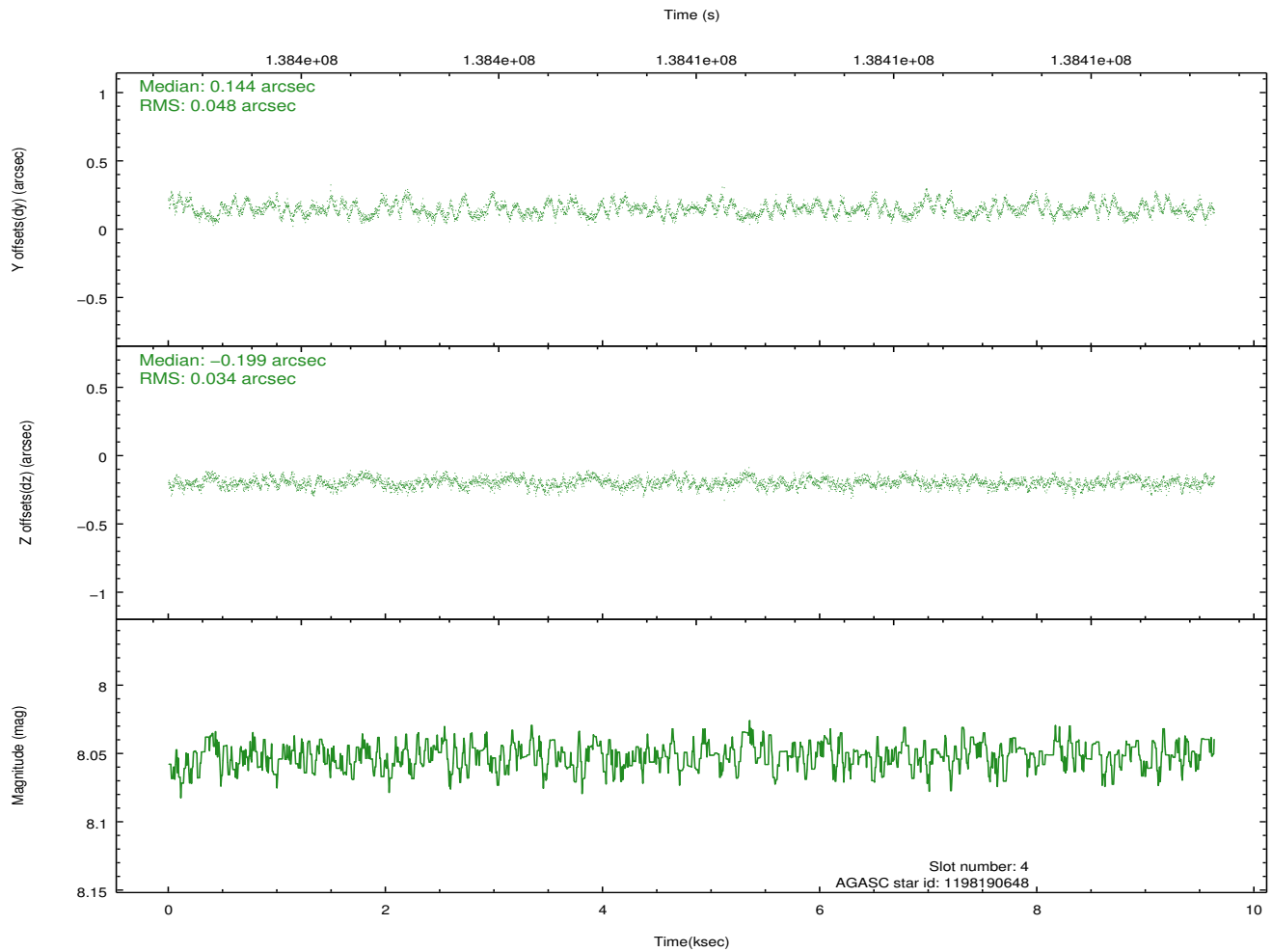
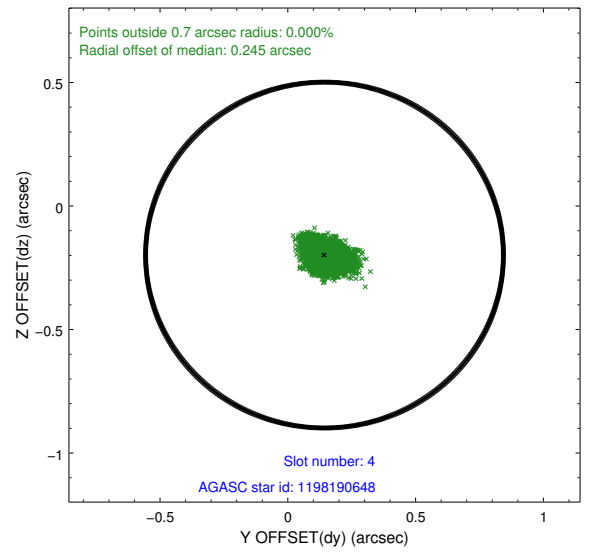
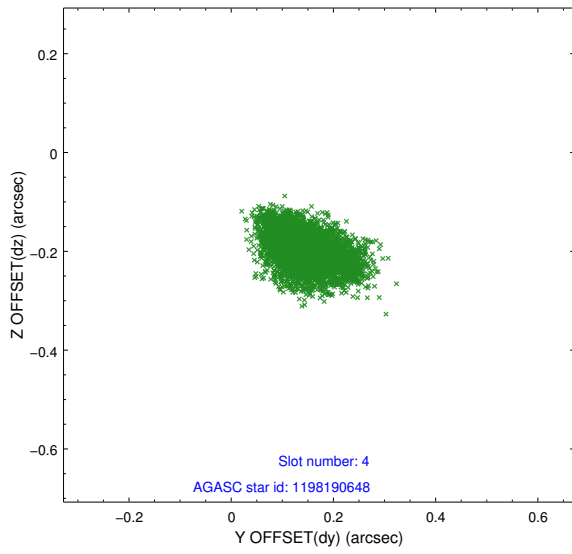
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2350	-0.009	0.018	0.006	0.010	0.000000	0.000000	937.81	-830.04
1	FID	ACIS-I-5	7.24	2350	-0.043	0.044	0.006	0.010	0.000000	0.000000	-1809.98	1067.26
2	FID	ACIS-I-6	7.27	2350	-0.040	0.008	0.007	0.012	0.000000	0.000000	402.78	1712.30
3	GUIDE	1198189696	7.36	4700	0.027	0.103	0.058	0.091	15.223750	-72.697522	-2105.53	-2103.94
4	GUIDE	1198190648	8.05	4700	0.144	-0.199	0.064	0.103	12.344115	-73.478663	-1723.38	2000.32
5	GUIDE	1197751048	8.59	4698	-0.141	0.182	0.066	0.113	12.451586	-72.130600	1503.12	-1625.37
6	GUIDE	1198191400	8.37	4697	-0.051	-0.196	0.073	0.115	11.617890	-72.595865	1015.24	215.66
7	GUIDE	1197740448	10.09	4688	0.025	0.111	0.153	0.253	11.121728	-72.248718	2271.26	-308.19

2.4 Star Slots

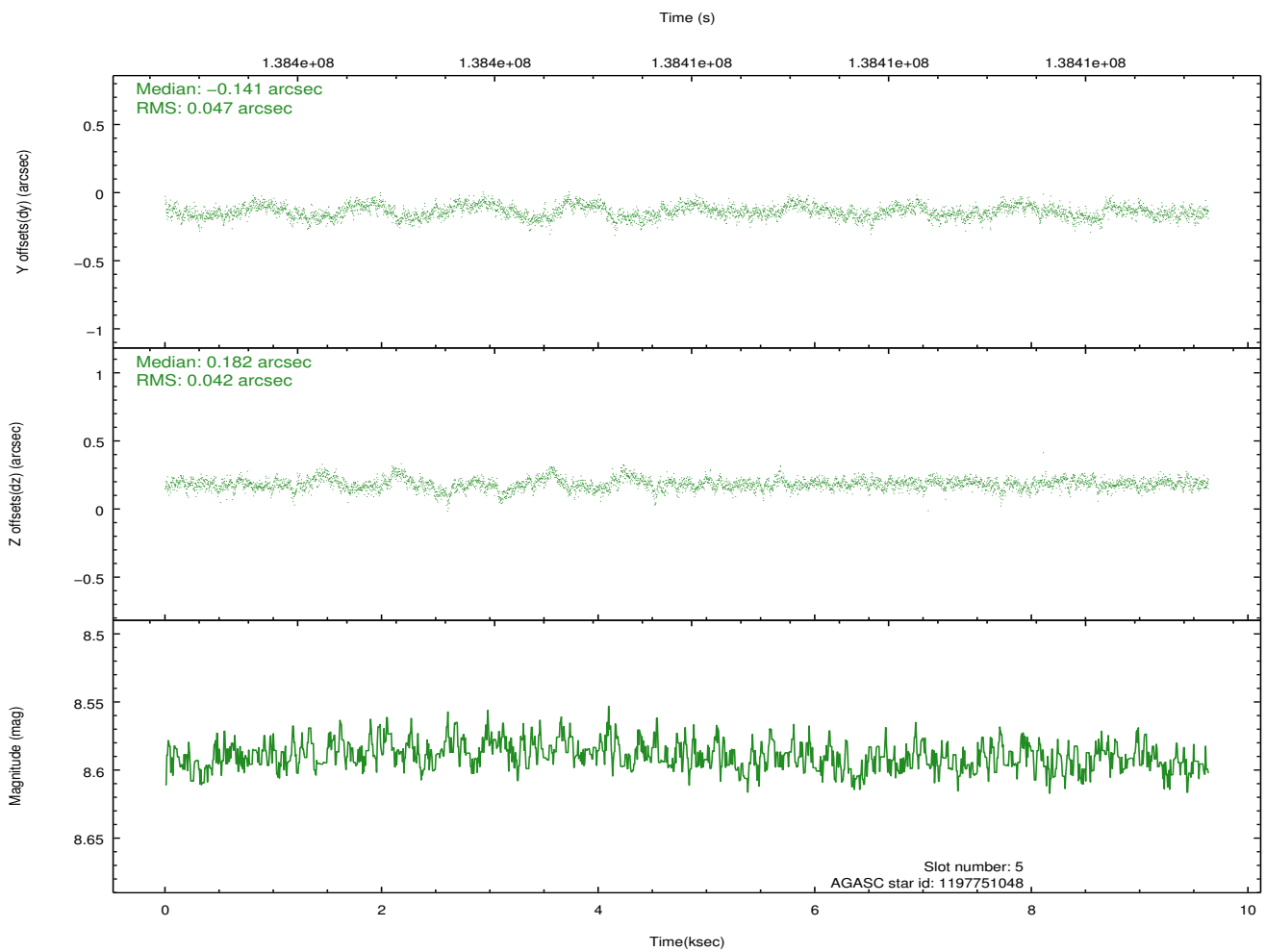
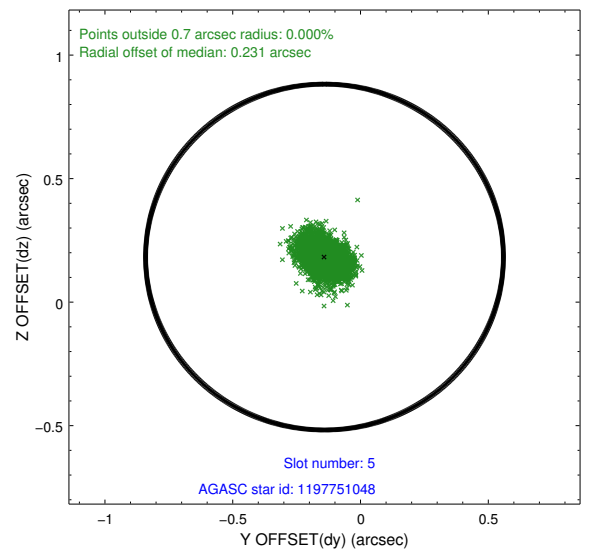
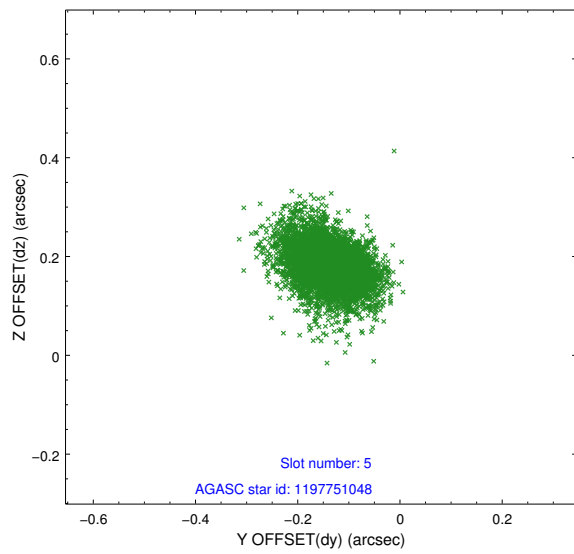
2.4.1 Slot 3



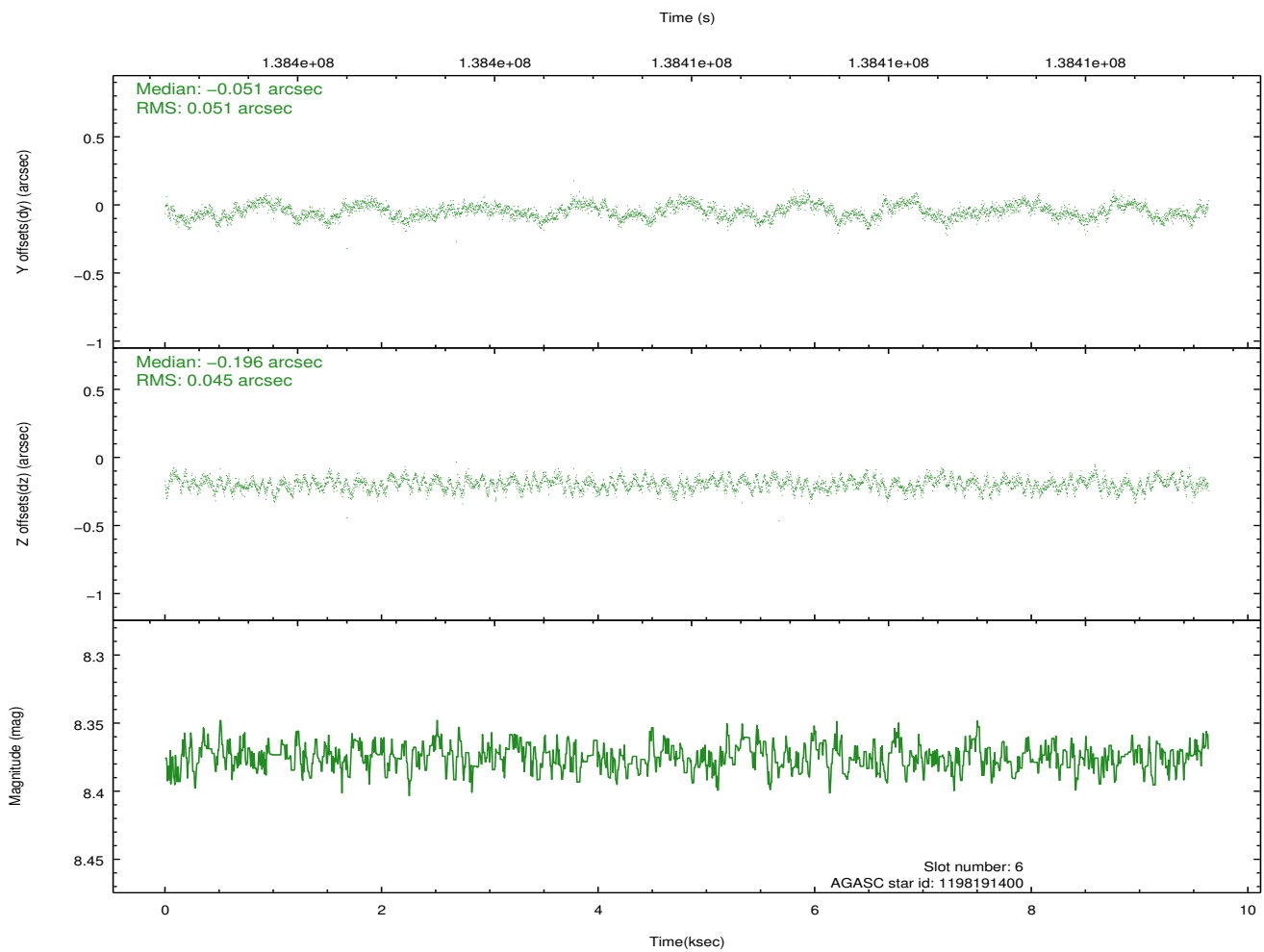
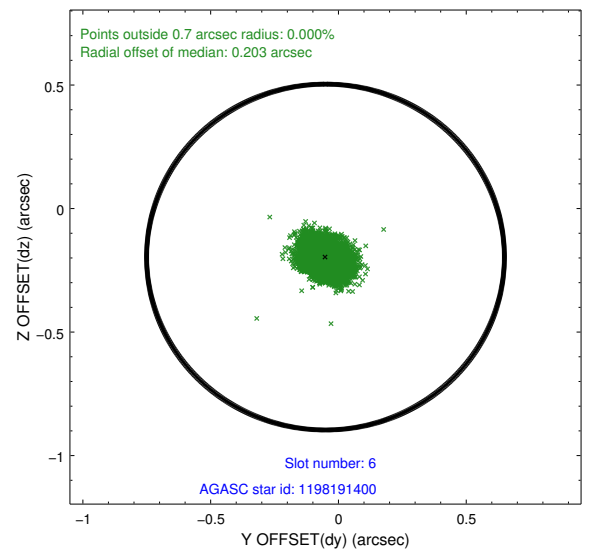
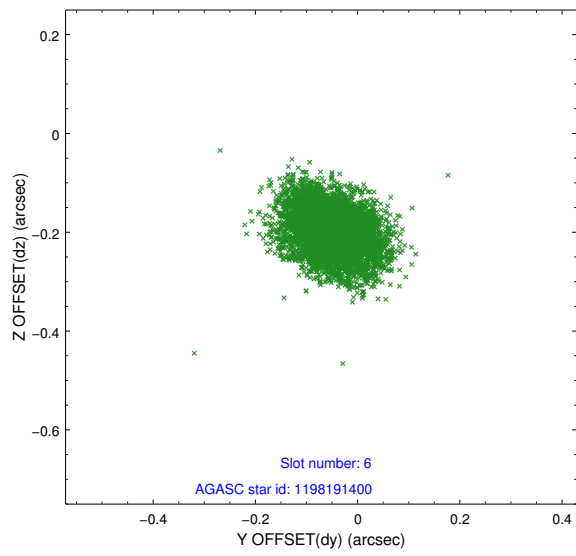
2.4.2 Slot 4



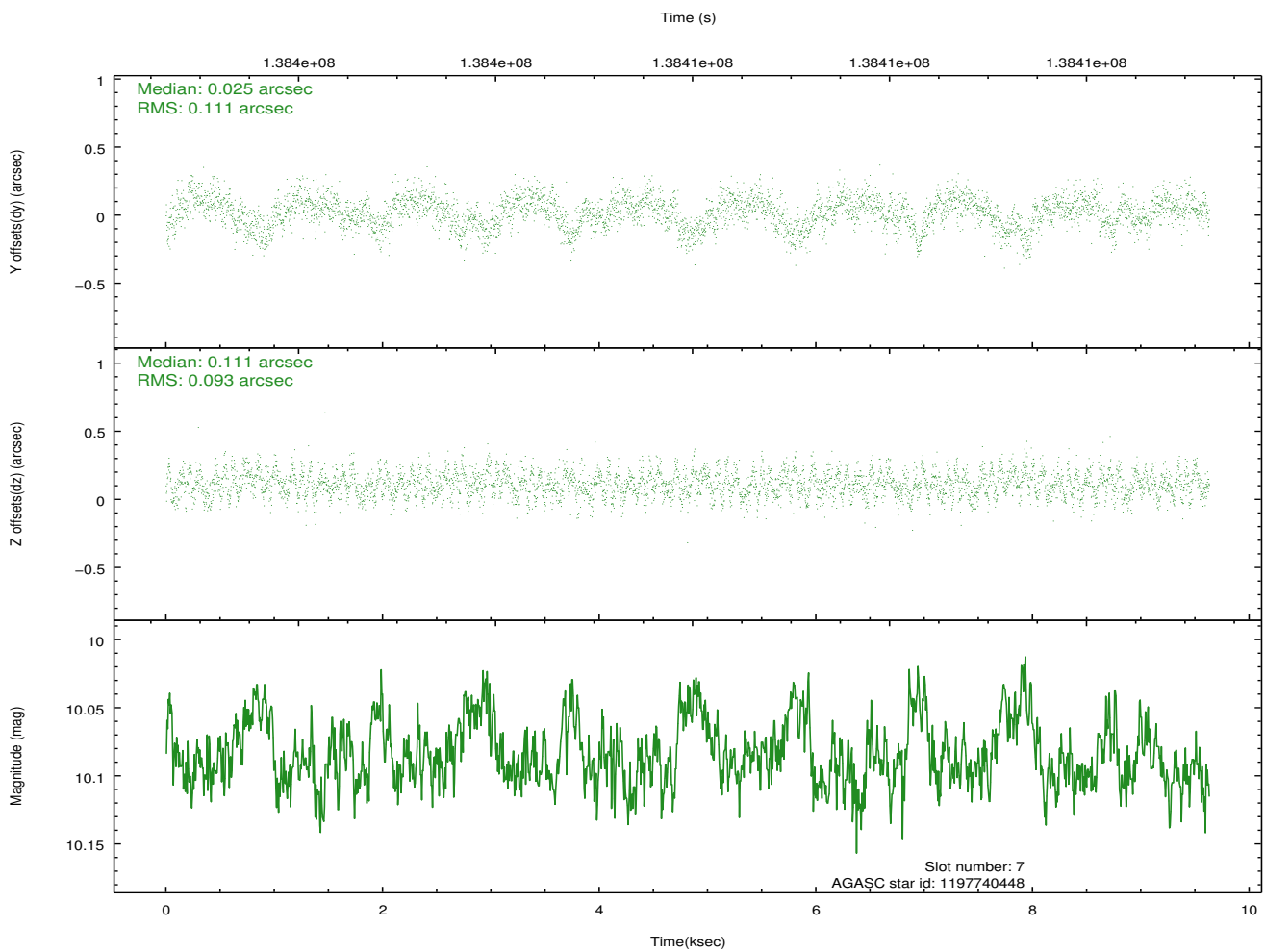
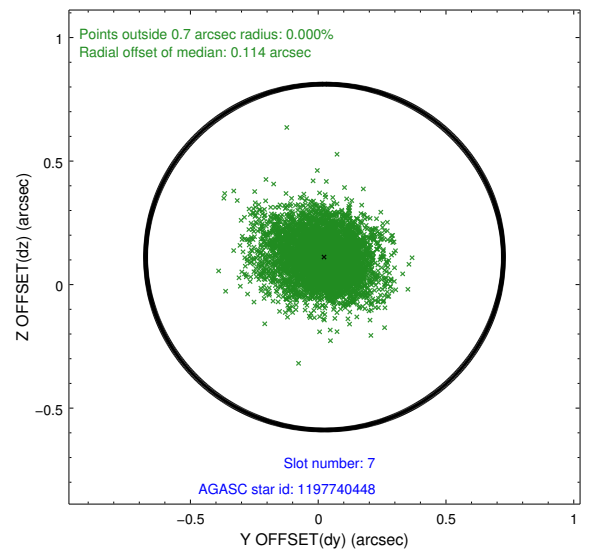
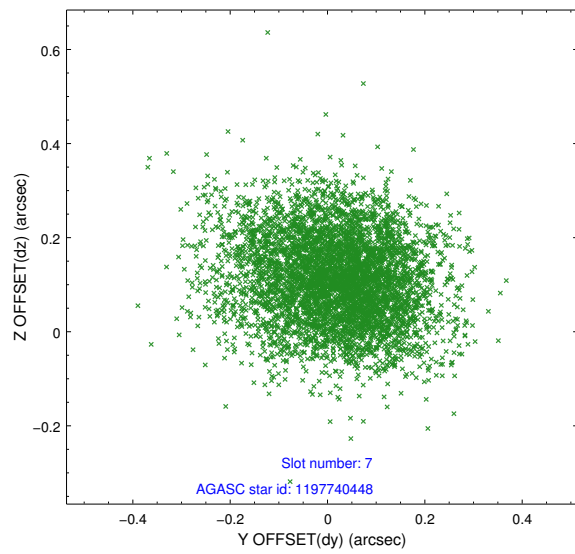
2.4.3 Slot 5



2.4.4 Slot 6

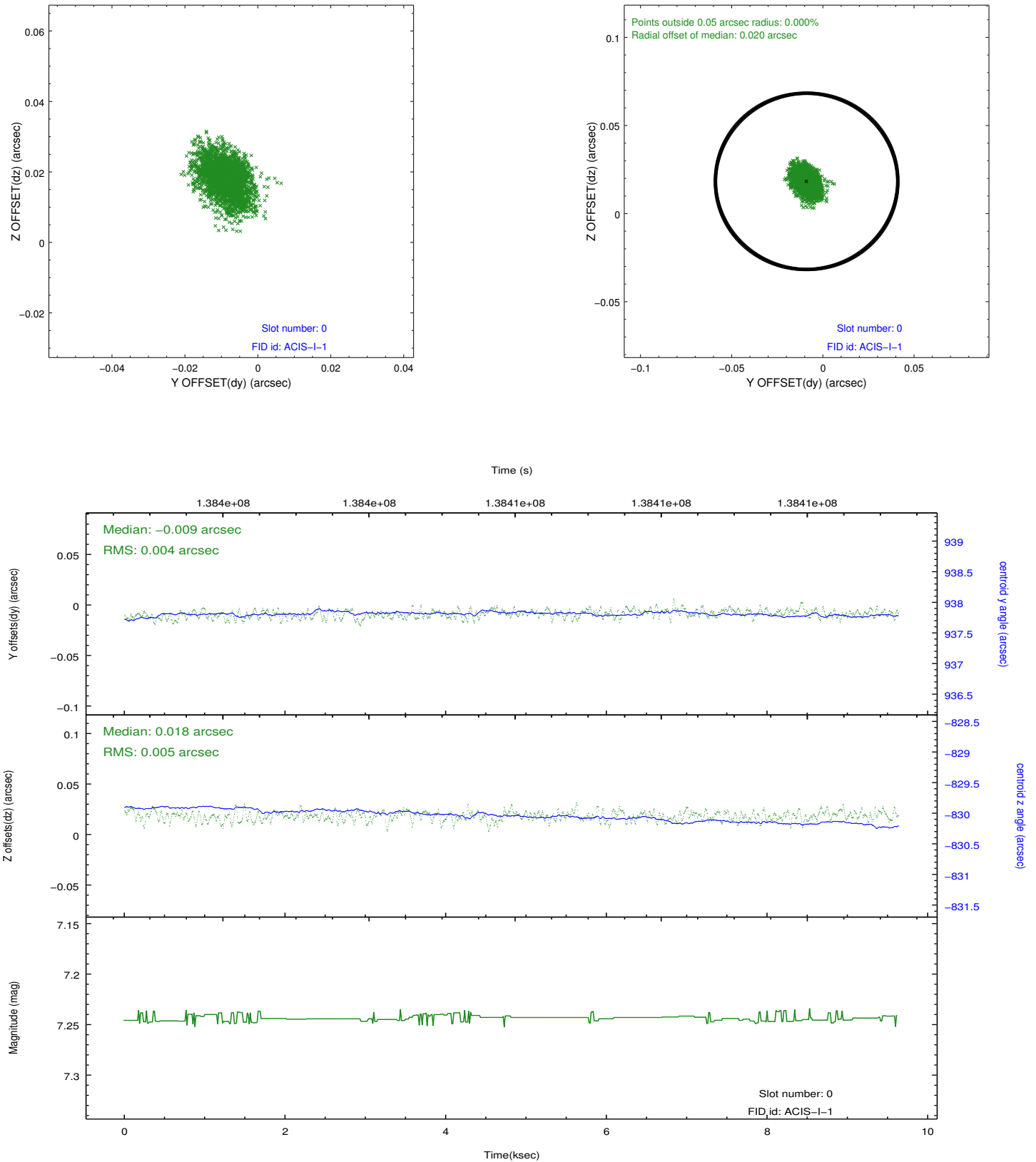


2.4.5 Slot 7

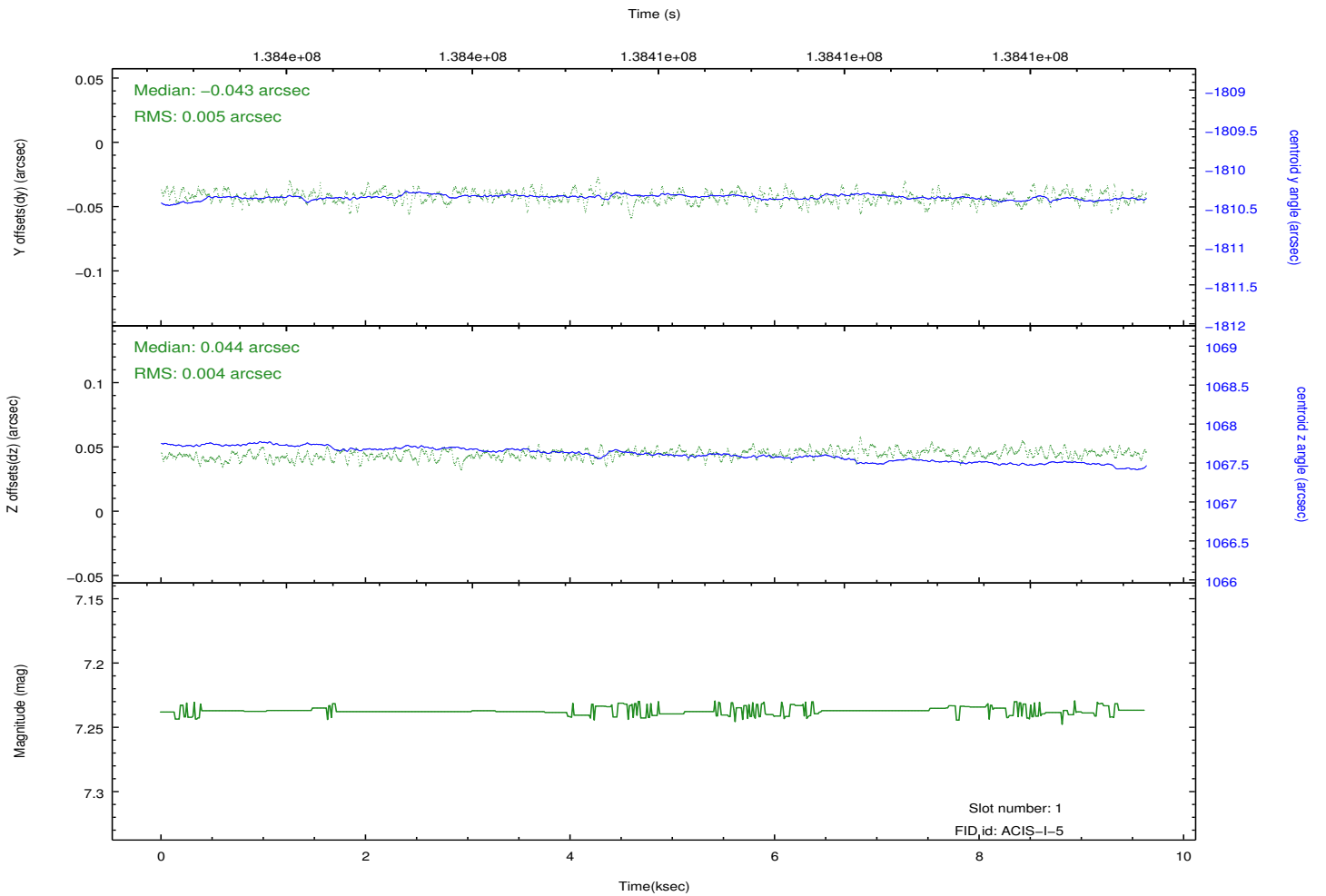
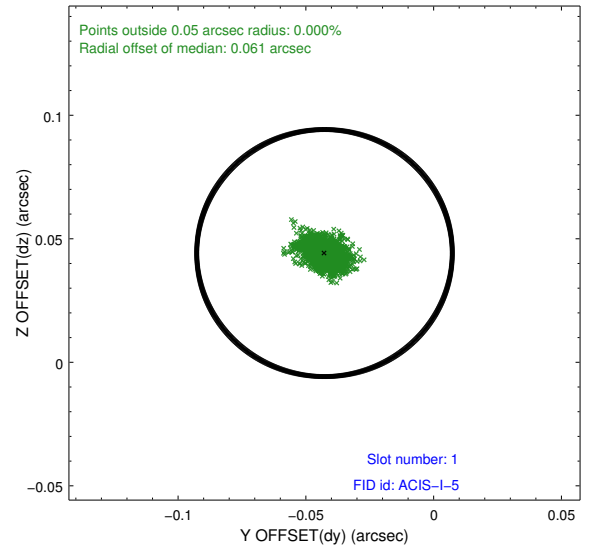
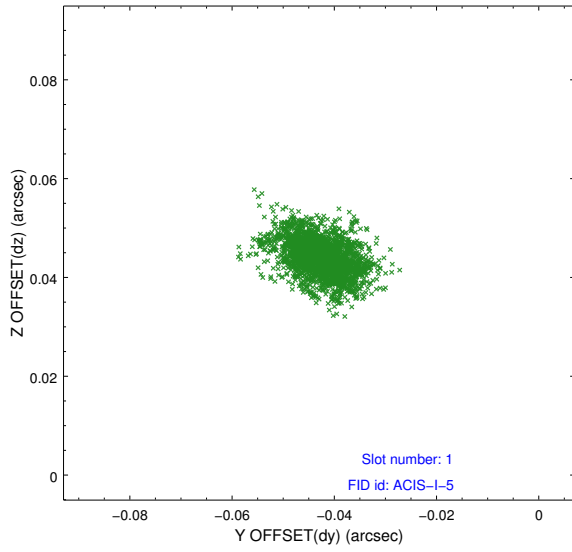


2.5 FID Slots

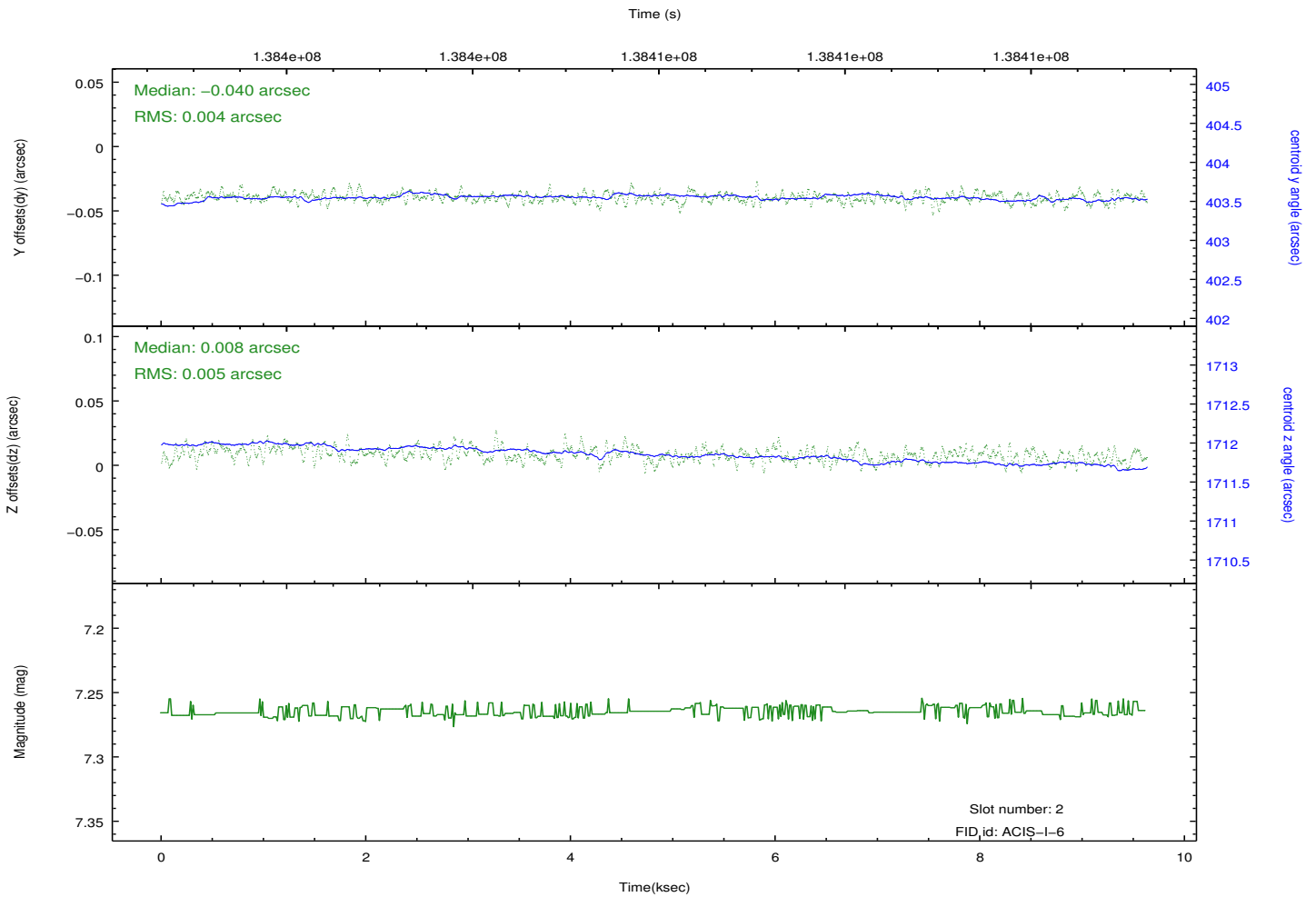
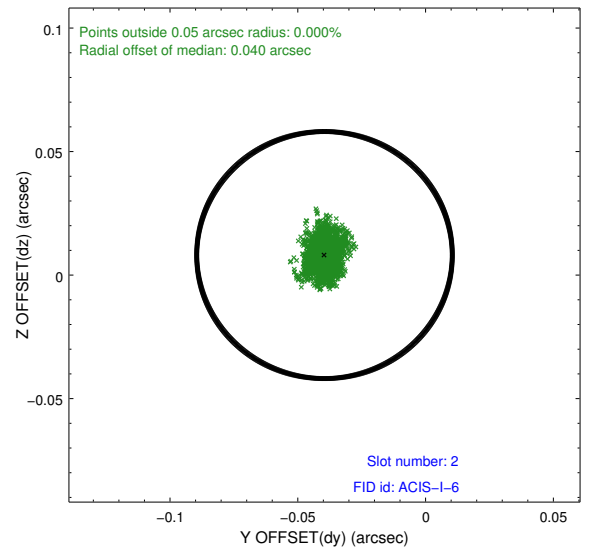
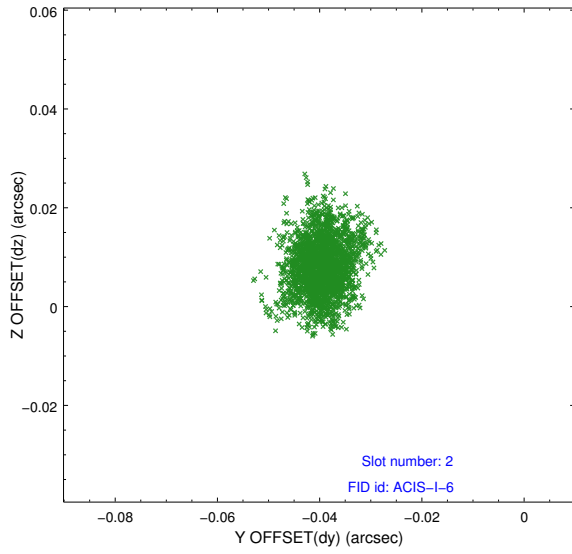
2.5.1 Slot 0



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)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.963

A.2 Comments