

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8557 - L2 Version 2
Chandra X-Ray Center

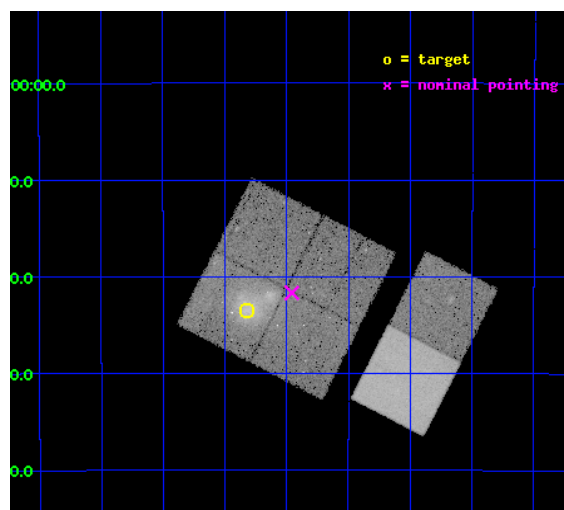
L2 Processing Date : Apr 26 2012

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1 Front

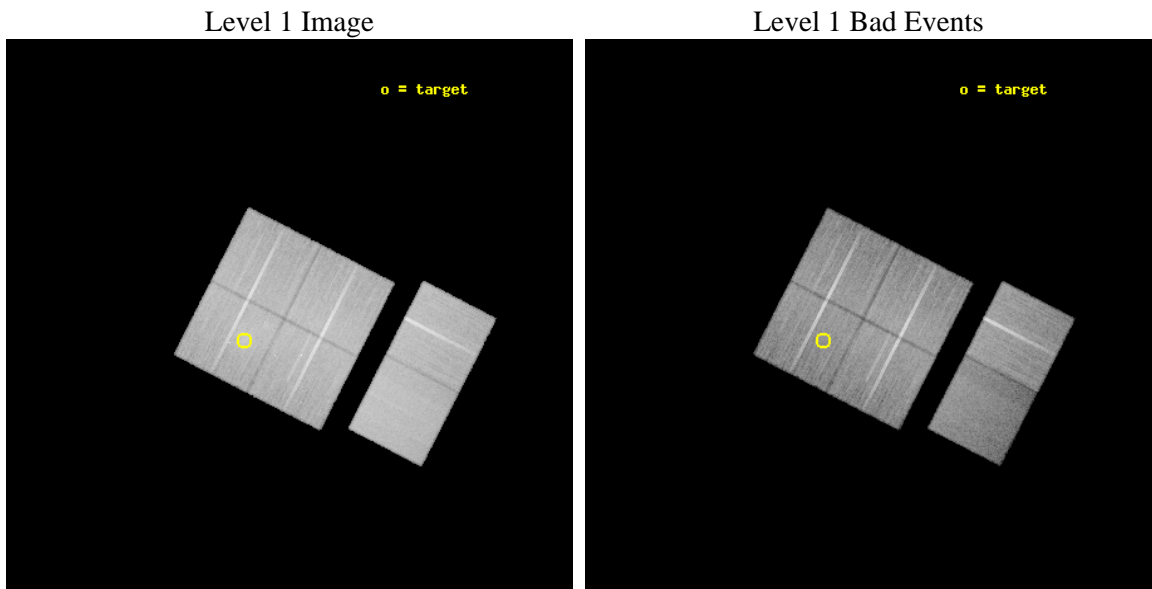
seq_num	800633	Sequence number
obs_id	8557	Observation id
title	The Dynamics of the Unusually Violent Merger in Abell 2744	Proposa
observer	Joshua Kempner	Principal investigator
object	Abell 2744	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	3.580833	Observer's specified target RA [deg]
dec_targ	-30.391528	Observer's specified target Dec [deg]
ra_nom	3.4894128141816	Nominal RA [deg]
dec_nom	-30.361317942779	Nominal Dec [deg]
roll_nom	117.16242877975	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28169.55891484	Sum of GTIs [s]
livetime	27812.858998189	Livetime [s]
ontime0	28166.317914605	Sum of GTIs [s]
ontime1	28169.55891484	Sum of GTIs [s]
ontime2	28172.799895108	Sum of GTIs [s]
ontime3	28172.799895108	Sum of GTIs [s]
ontime6	28172.799895108	Sum of GTIs [s]
ontime7	28172.799895108	Sum of GTIs [s]
l2events	223989	Number of level 2 events



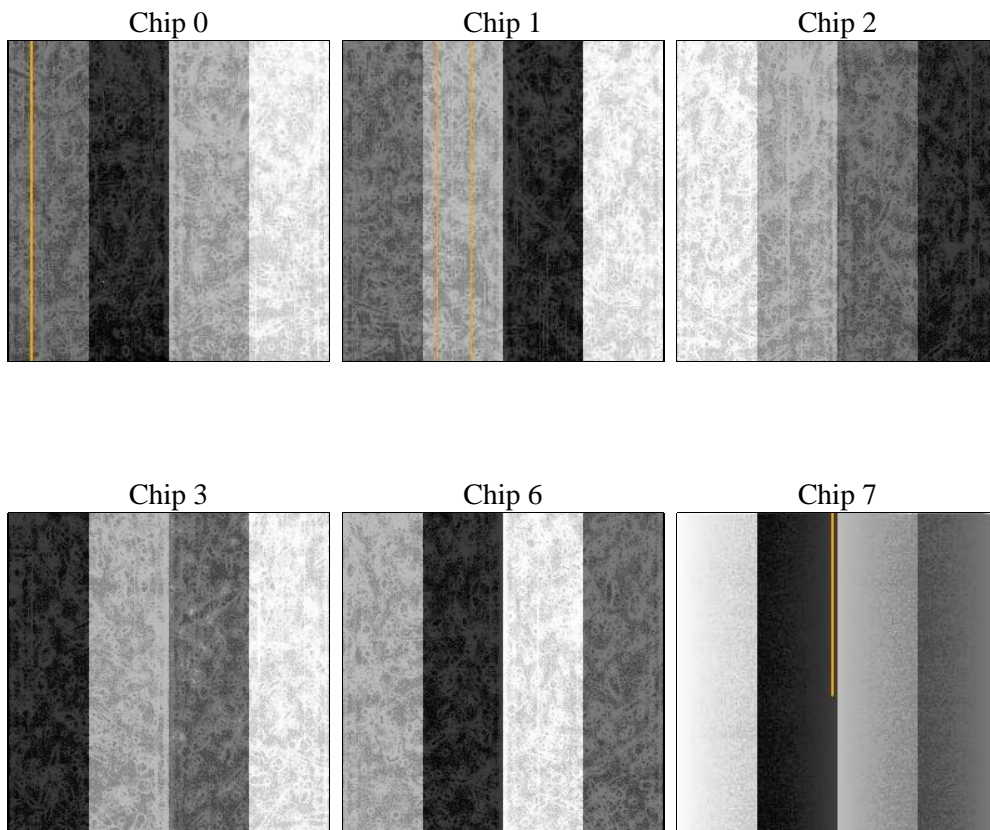
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	28169.55891484	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	28166.317914605	Sum of GTIs [s]
date	2012-04-26T11:52:33	Date and time of file creation	ontime1	28169.55891484	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	28172.799895108	Sum of GTIs [s]
			ontime3	28172.799895108	Sum of GTIs [s]
			ontime6	28172.799895108	Sum of GTIs [s]
			ontime7	28172.799895108	Sum of GTIs [s]
			l1events	1373623	Number of level 1 events

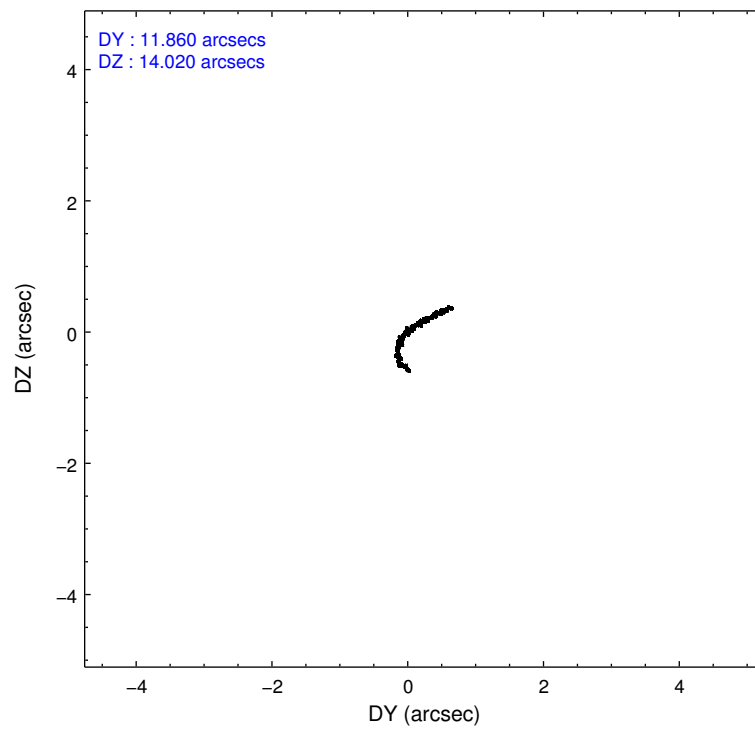
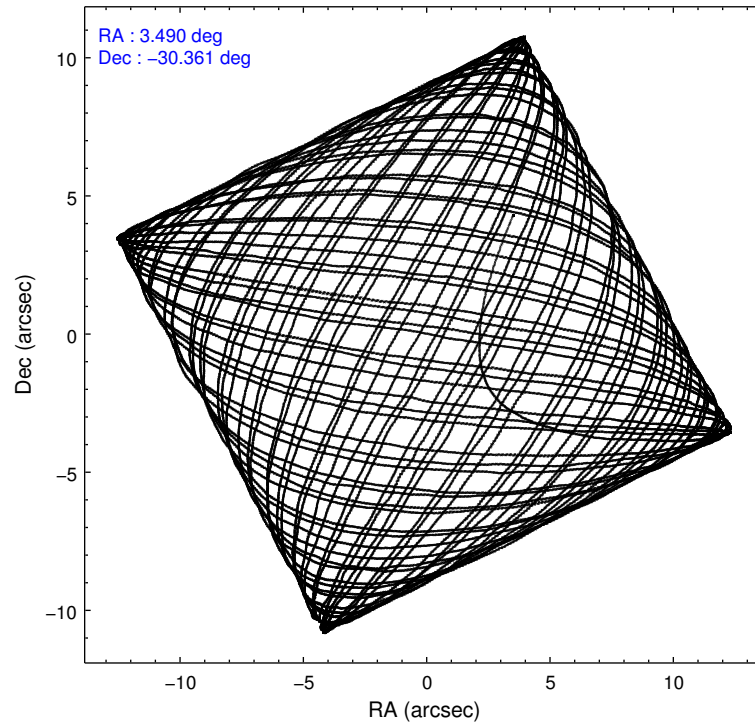
2.1.4 Events

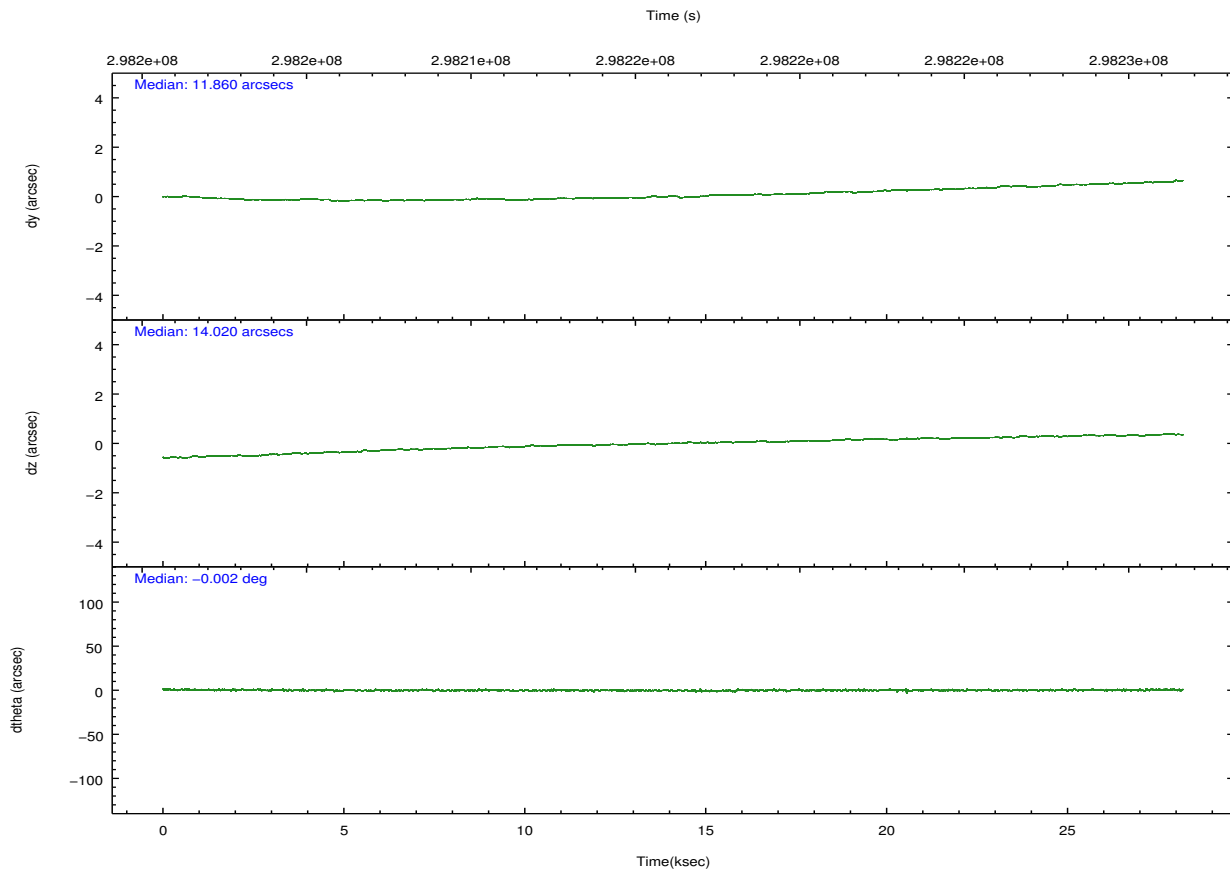
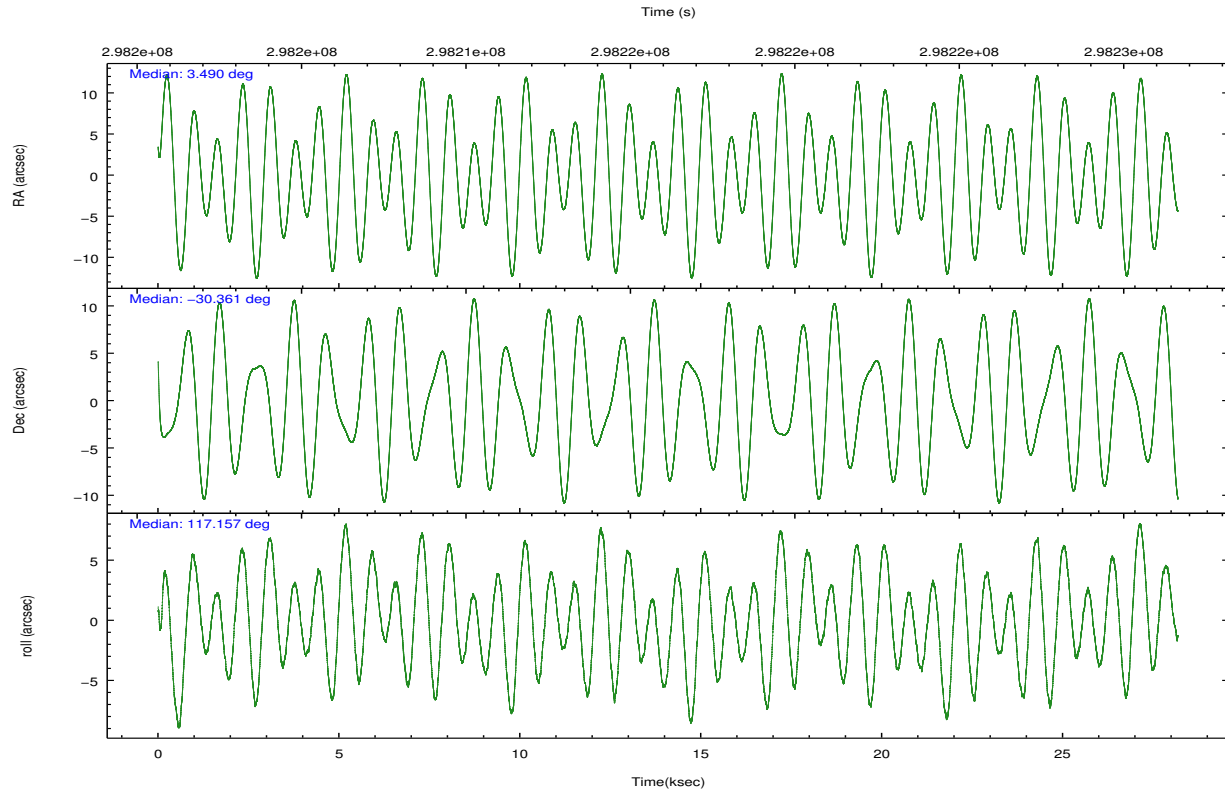
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	211835	228512	234608	224038	231585	243045	grade 0 events	7902	25596	8307	9030	8138	10774
rejected events	189770	183285	212597	201447	208276	130461		3%	11%	3%	4%	3%	4%
rejected %	89%	80%	90%	89%	89%	53%	grade 1 events	123	174	135	144	109	289
								0%	0%	0%	0%	0%	0%
							grade 2 events	5219	7691	5024	4662	5154	22793
								2%	3%	2%	2%	2%	9%
							grade 3 events	2522	3280	2294	2385	2449	10369
								1%	1%	0%	1%	1%	4%
							grade 4 events	2320	3189	2409	2329	2473	10314
								1%	1%	1%	1%	1%	4%
							grade 5 events	7202	8177	6880	8694	8744	25777
								3%	3%	2%	3%	3%	10%
							grade 6 events	4107	5477	3981	4187	5098	58345
								1%	2%	1%	1%	2%	24%
							grade 7 events	182440	174928	205578	192607	199420	104384
								86%	76%	87%	85%	86%	42%

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	3.516251	3.489412814181605	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.376137	-30.36131794277942	CCD I3 on	Y	Y
[deg] Pointing Roll	116.967312	117.1624287797501	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	Y	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	298202236.184000	298201166.0187	CCD S5 on	N	N
Observation start date	2007-06-14T09:56:11	2007-06-14T09:39:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	298232236.184000	298231163.15763	On-chip summing requested	N	N
Observation end date	2007-06-14T18:16:11	2007-06-14T17:59:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



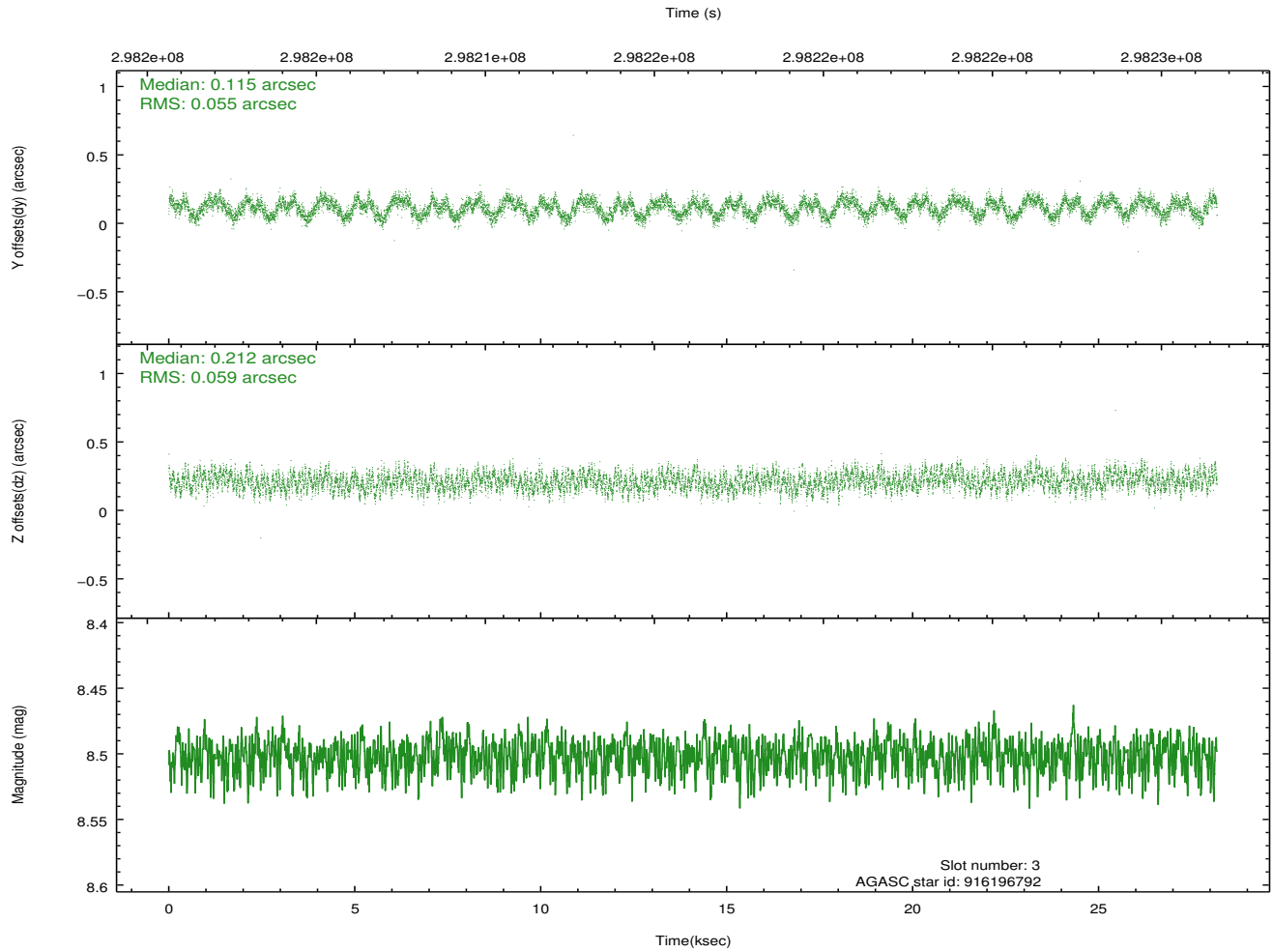
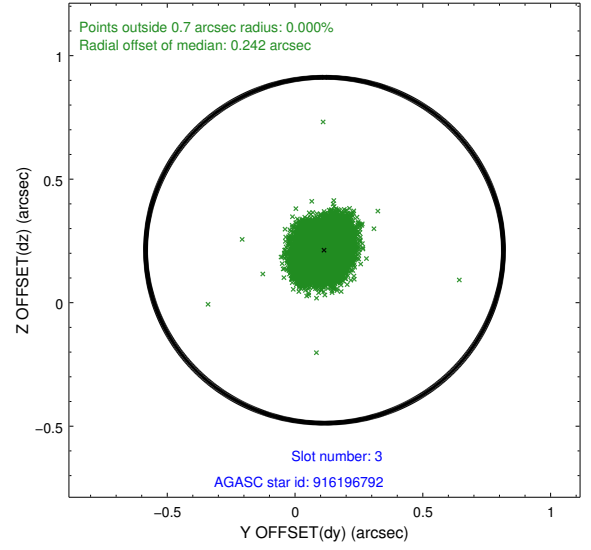
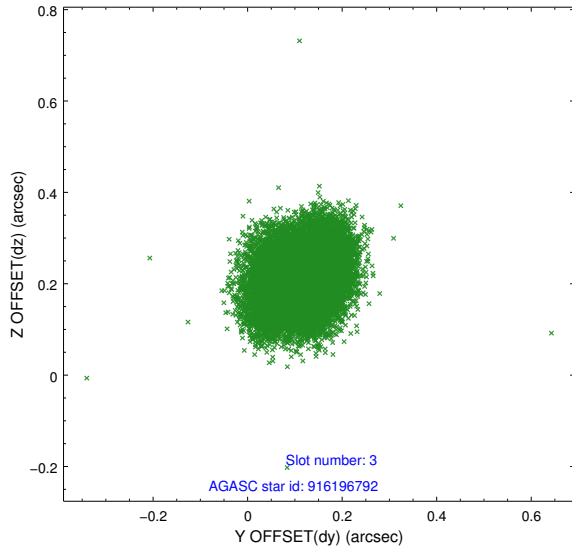


Slot Statistics

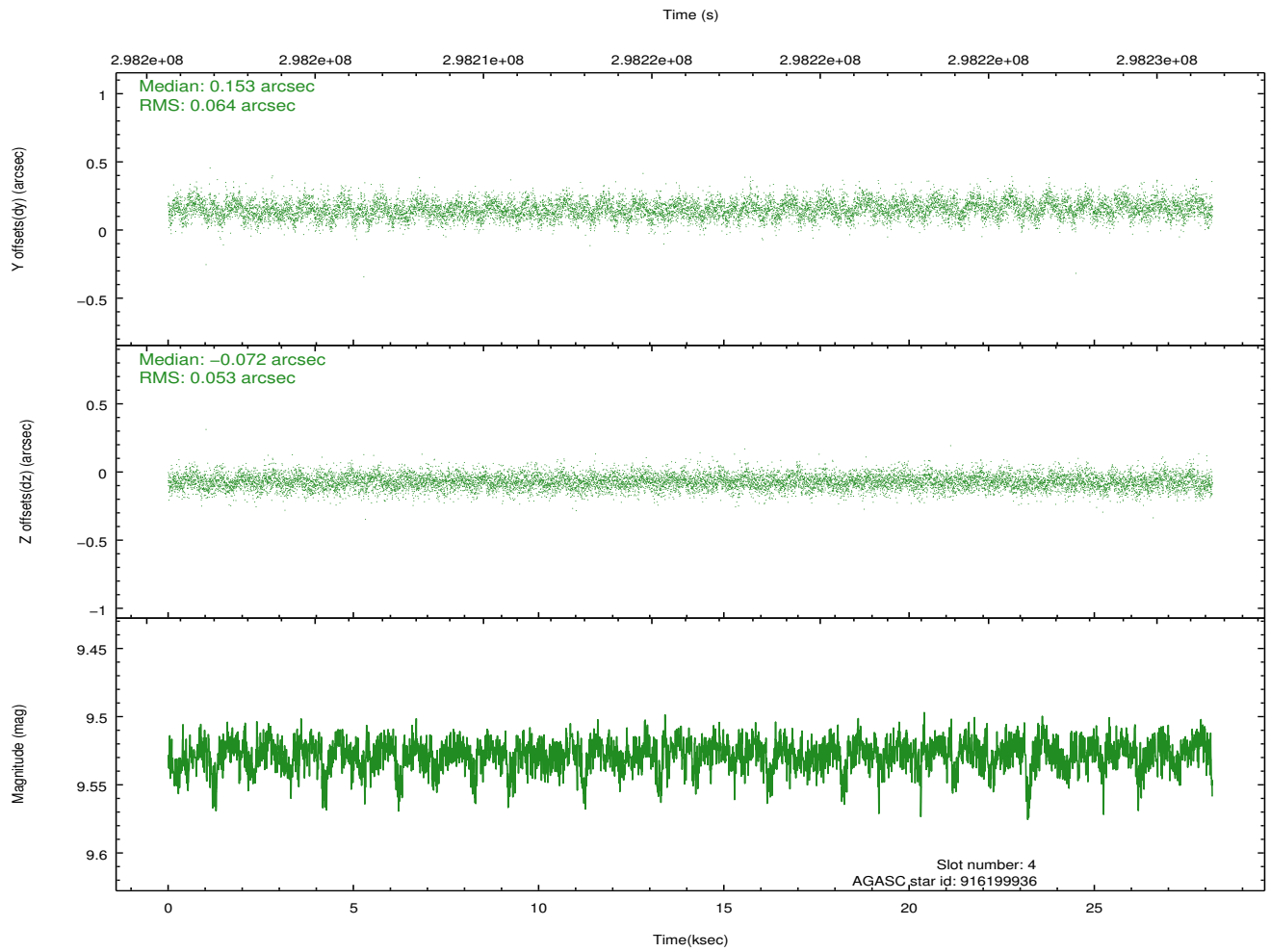
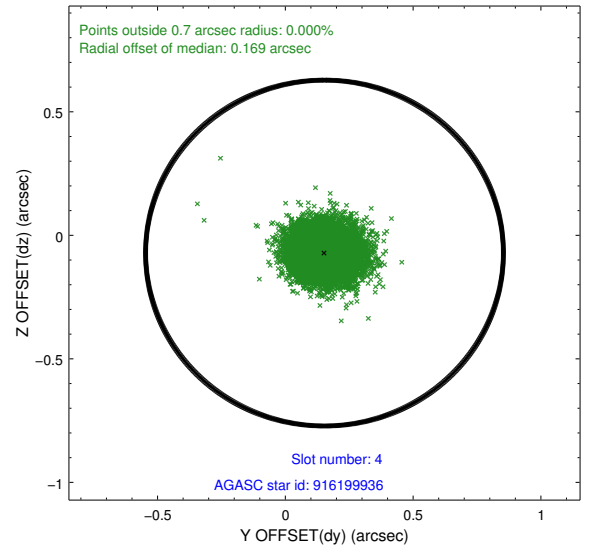
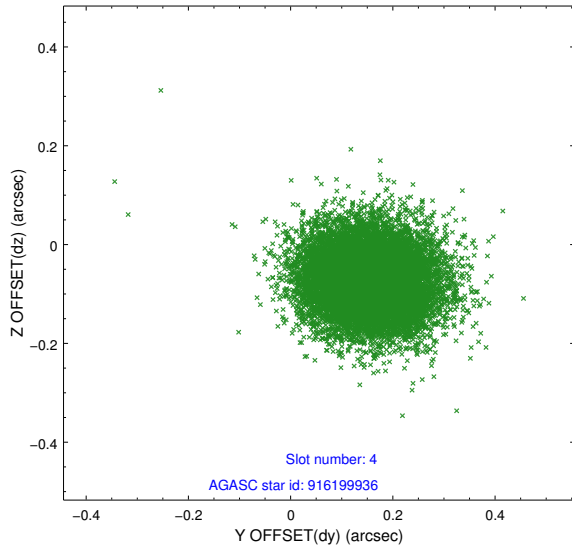
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	6874	-0.017	0.026	0.011	0.018	0.000000	0.000000	927.57	-837.53
1	FID	ACIS-I-4	7.16	6874	0.178	0.014	0.009	0.014	0.000000	0.000000	2147.86	1062.21
2	FID	ACIS-I-5	7.22	6871	-0.259	0.031	0.010	0.018	0.000000	0.000000	-1820.55	1060.20
3	GUIDE	916196792	8.50	13741	0.115	0.212	0.087	0.134	4.170313	-30.434617	-1113.23	-1710.93
4	GUIDE	916199936	9.53	13733	0.153	-0.072	0.087	0.147	3.810297	-30.935041	-2205.82	103.63
5	GUIDE	916200592	8.68	13742	0.019	-0.148	0.071	0.116	3.136714	-30.859834	-1023.41	1836.88
6	GUIDE	916201280	8.67	13742	-0.084	0.139	0.066	0.106	3.857877	-30.169158	180.49	-1284.39
7	GUIDE	916201520	8.09	13747	-0.201	-0.130	0.056	0.092	3.245363	-30.057887	1402.99	233.26

2.4 Star Slots

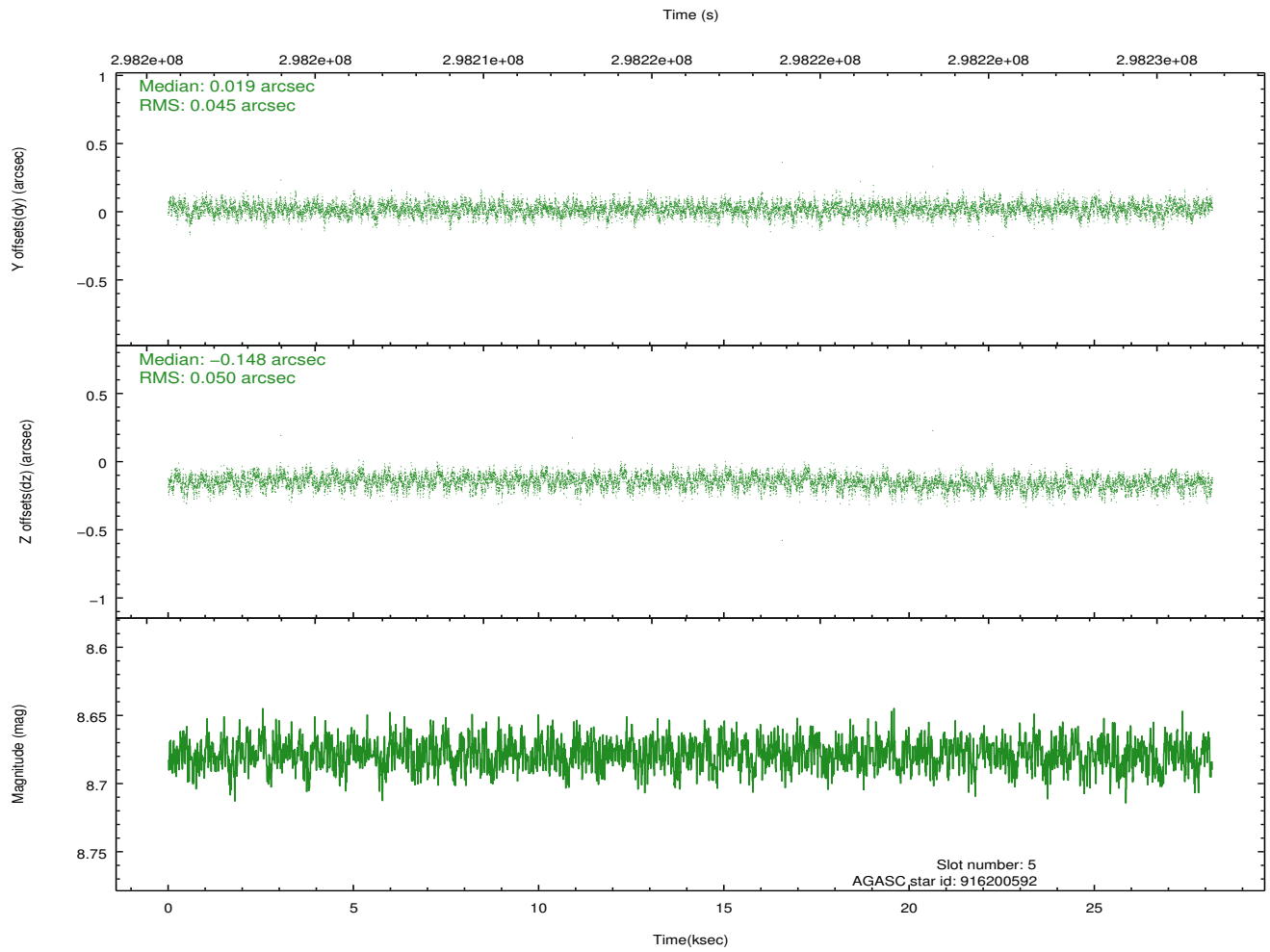
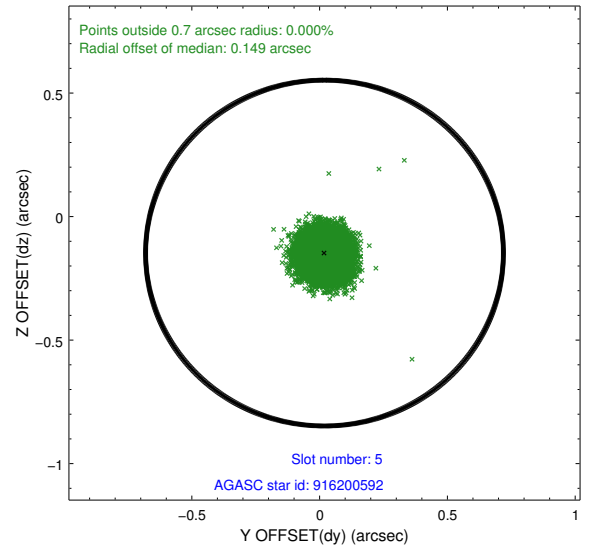
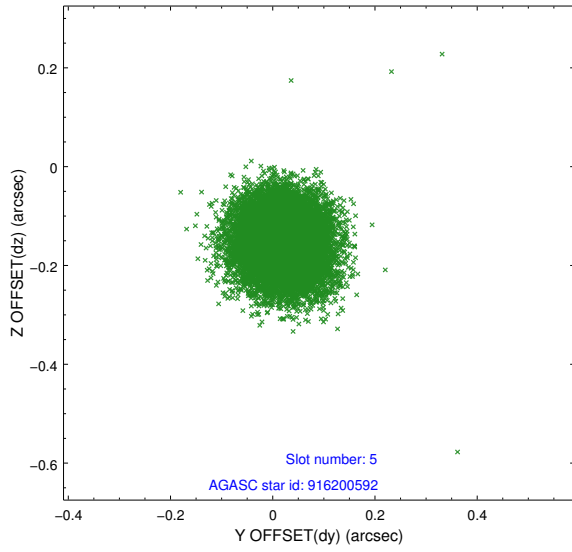
2.4.1 Slot 3



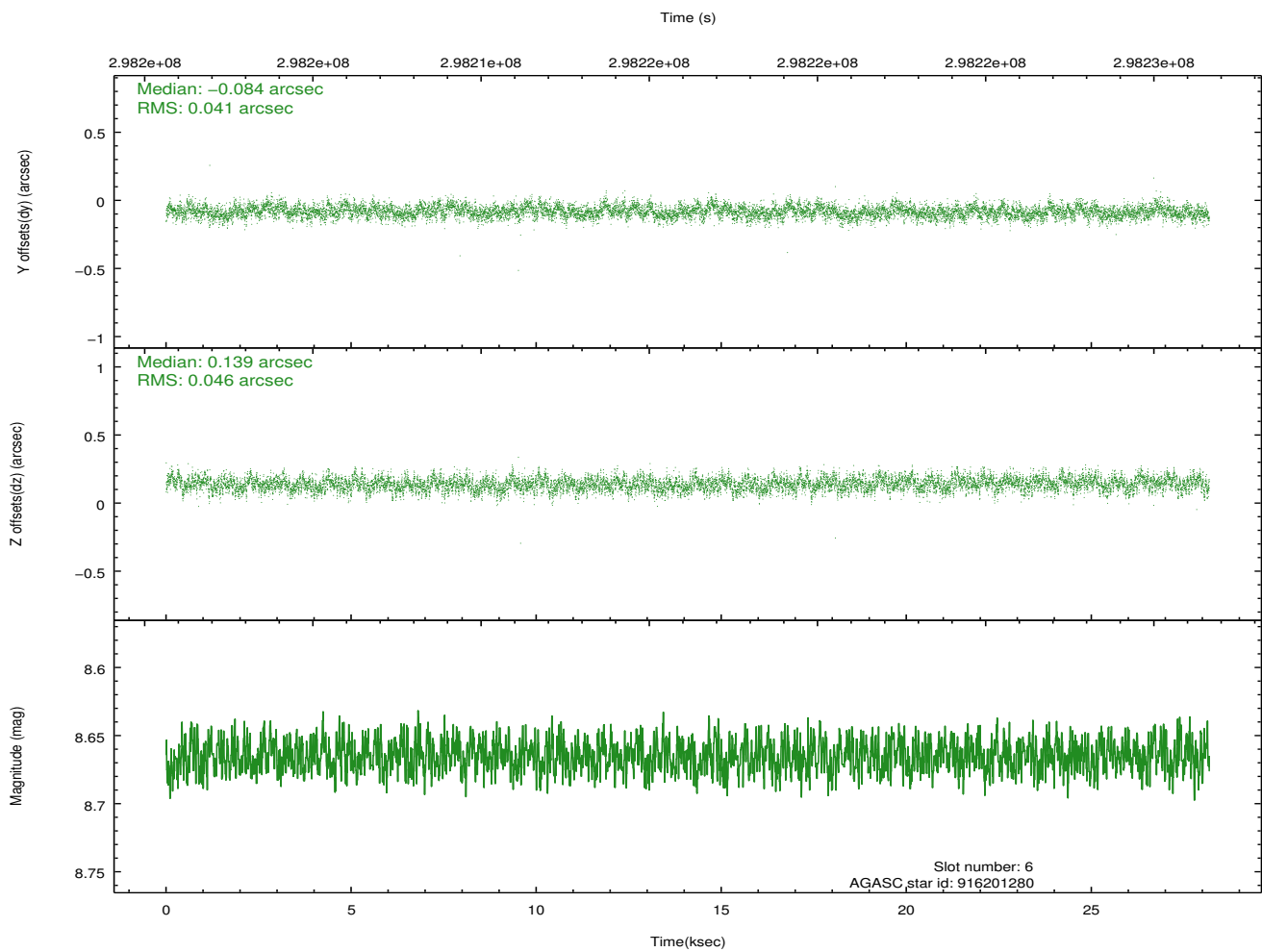
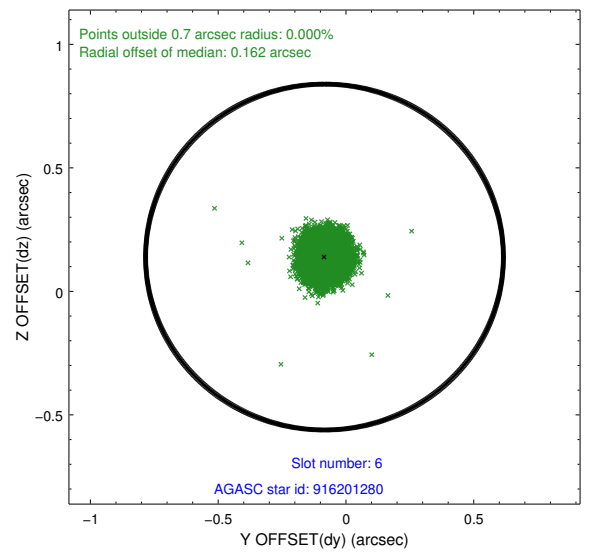
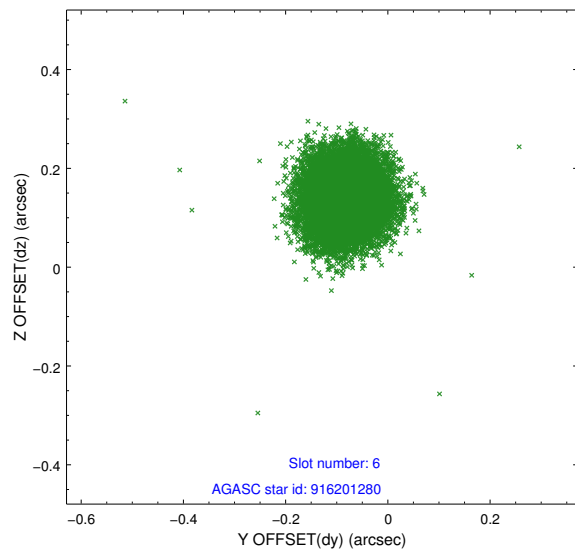
2.4.2 Slot 4



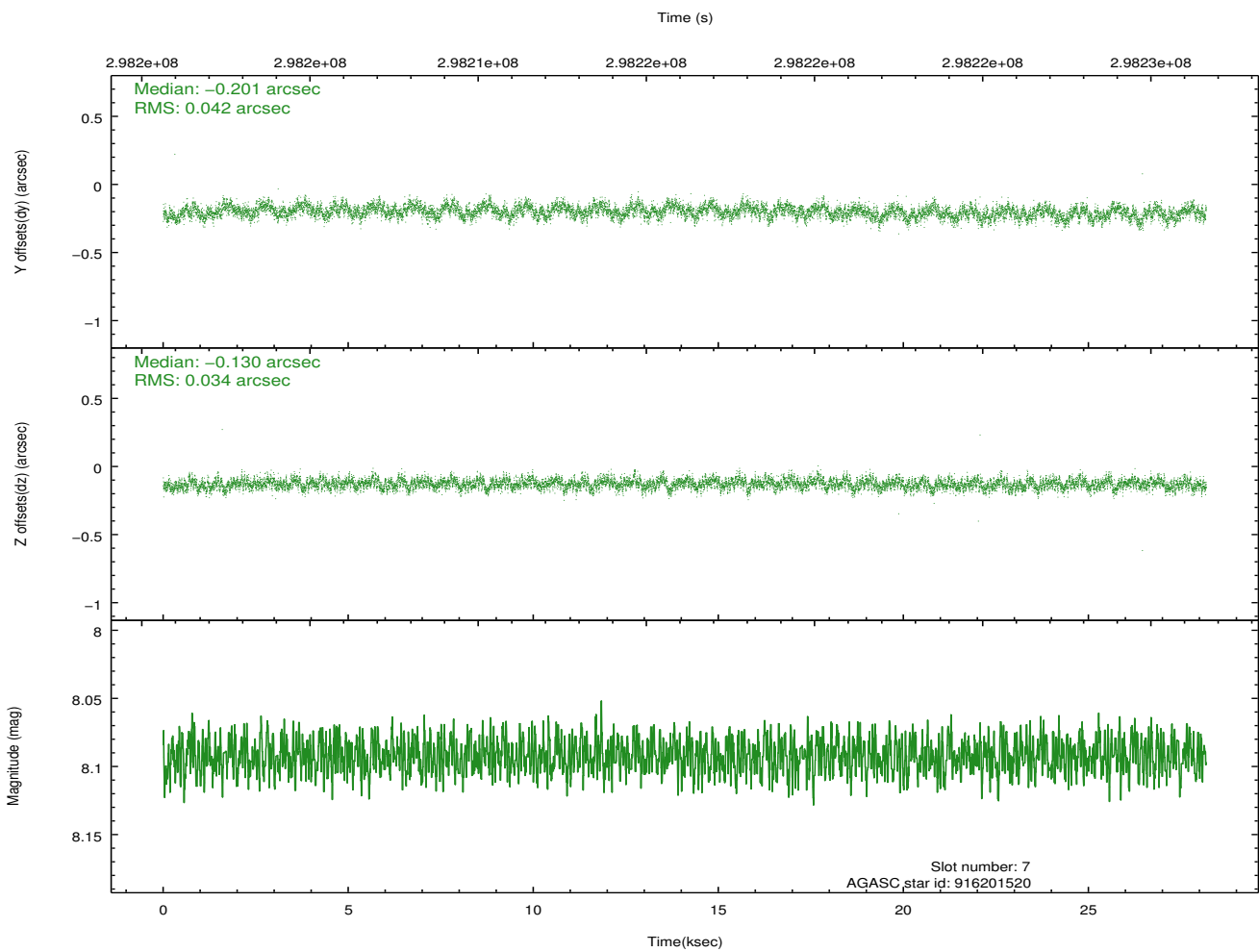
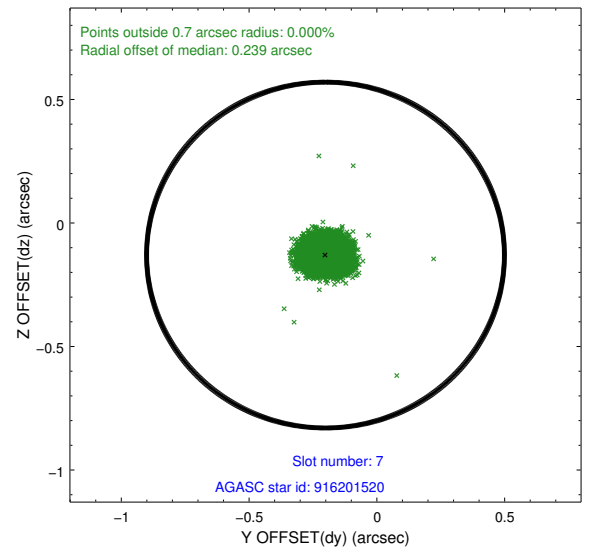
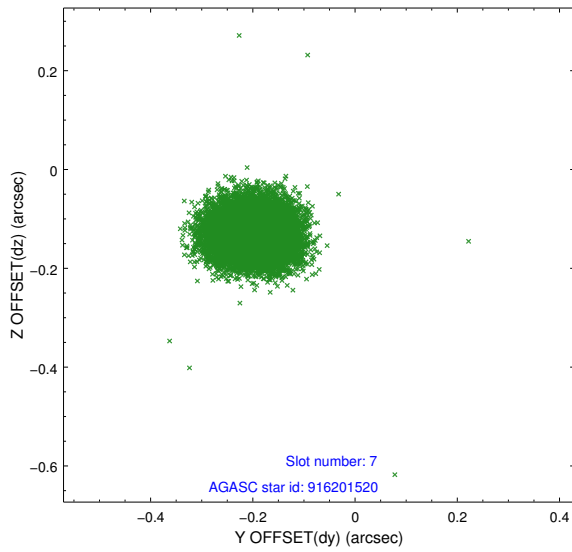
2.4.3 Slot 5



2.4.4 Slot 6

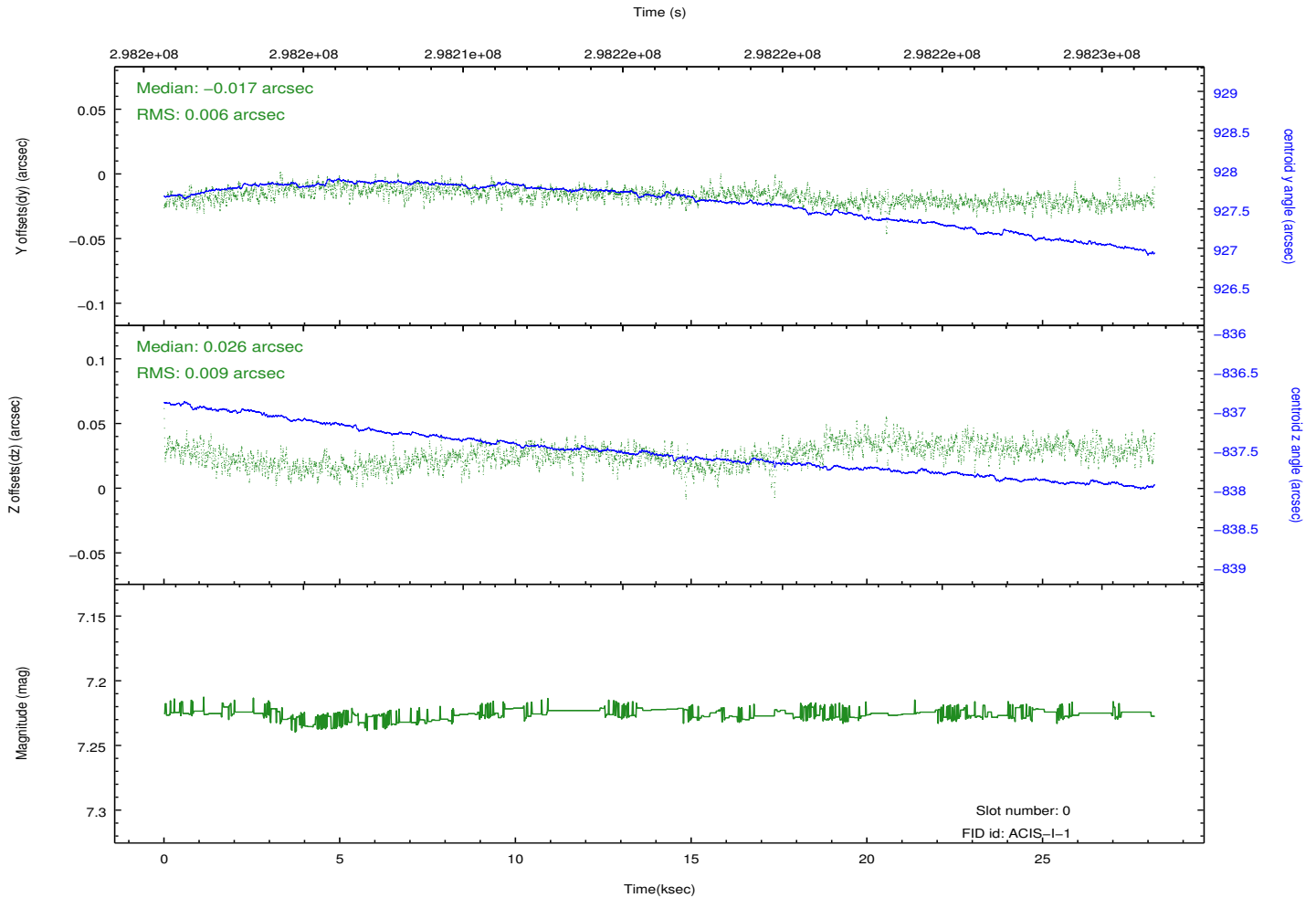
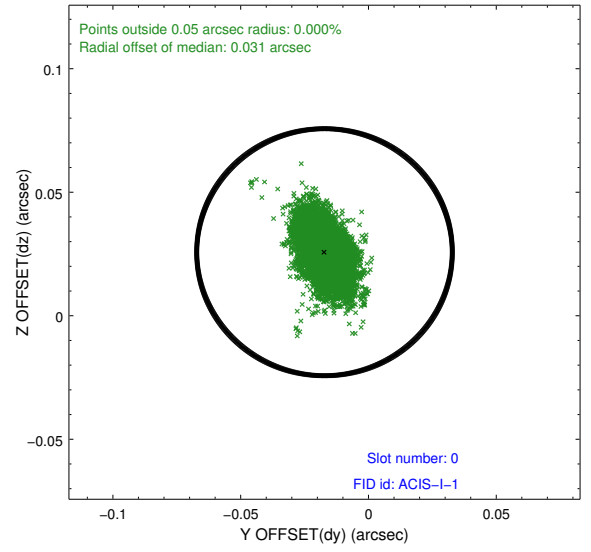
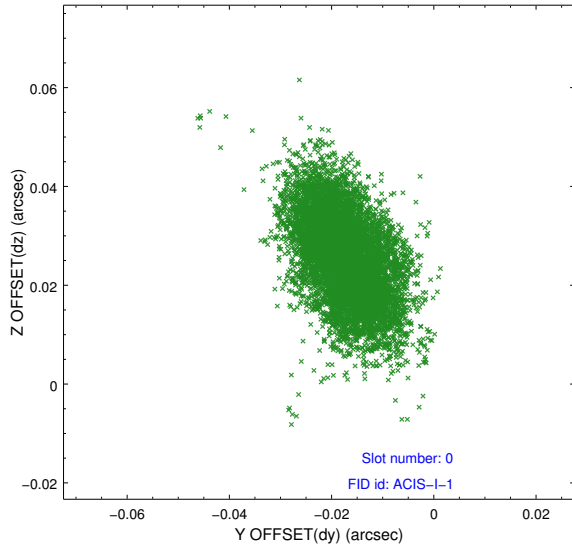


2.4.5 Slot 7

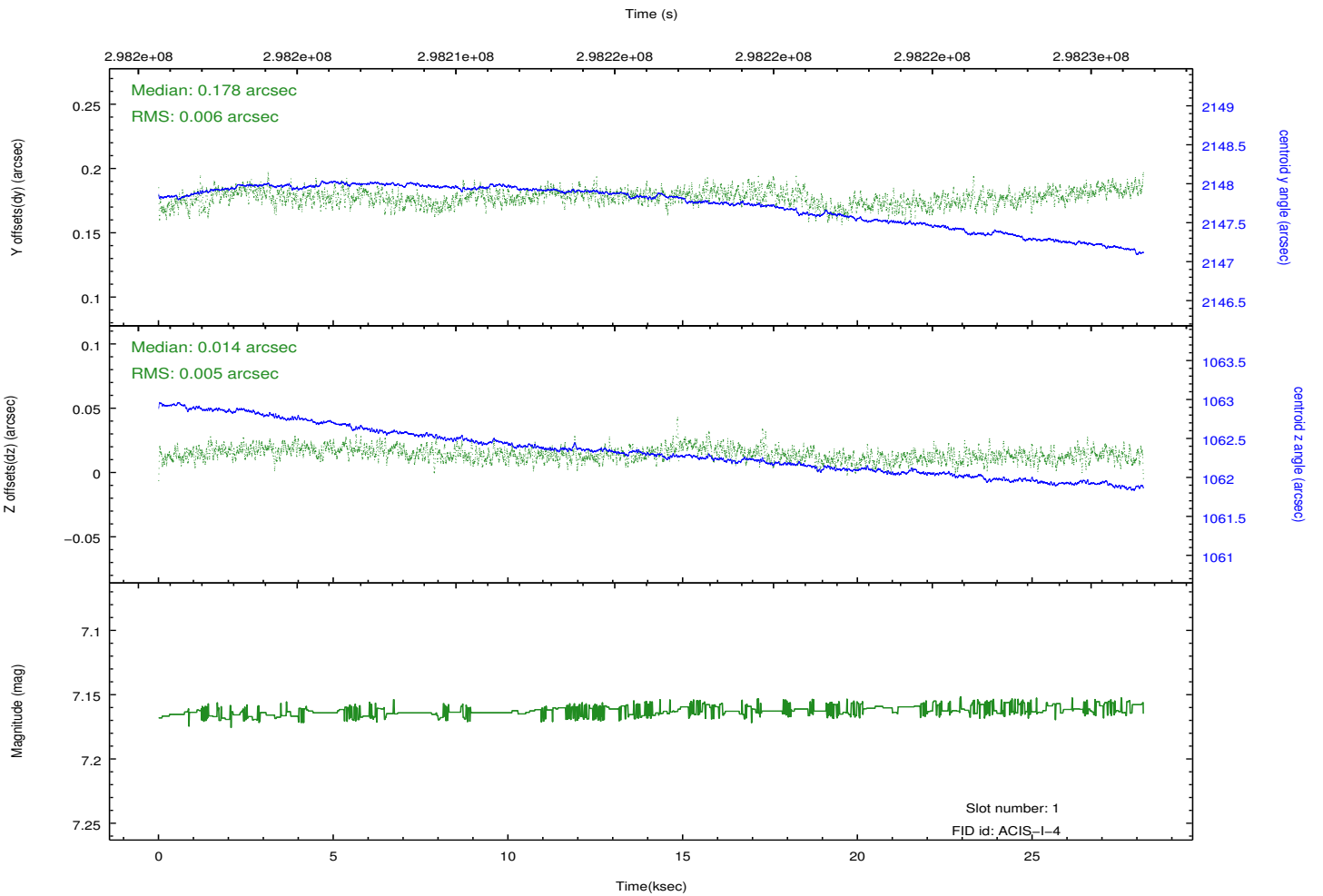
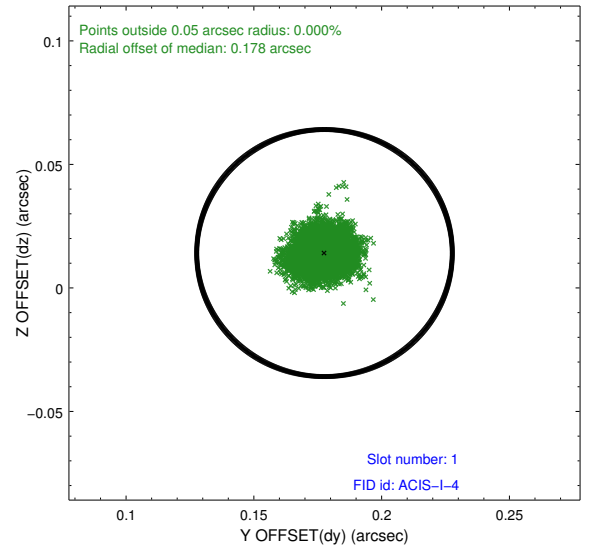
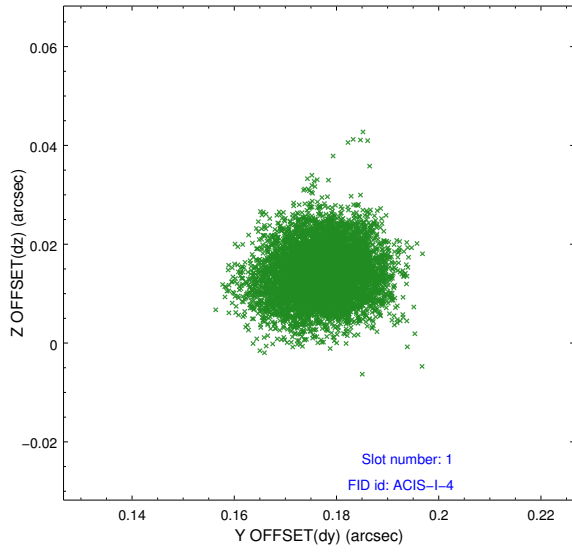


2.5 FID Slots

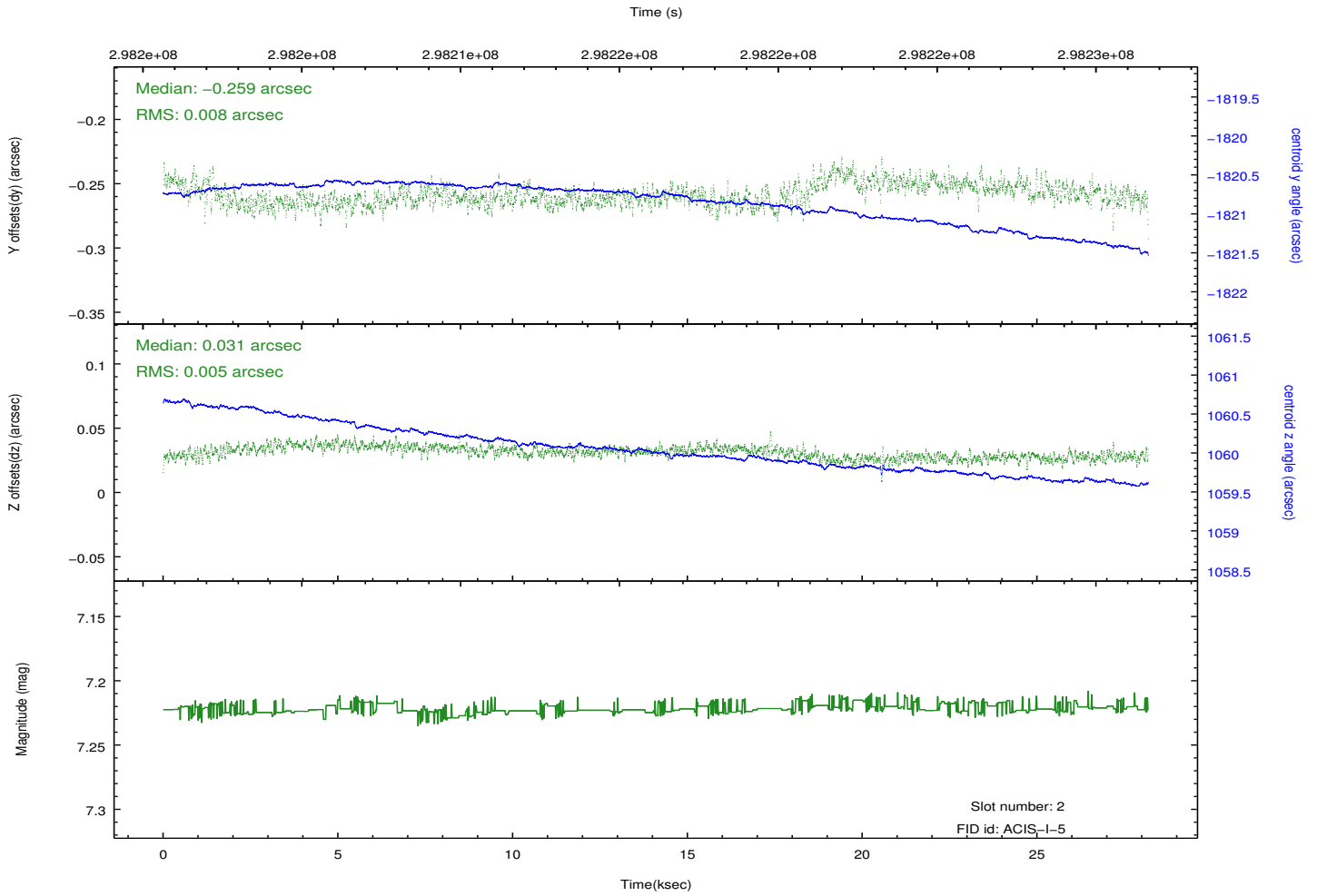
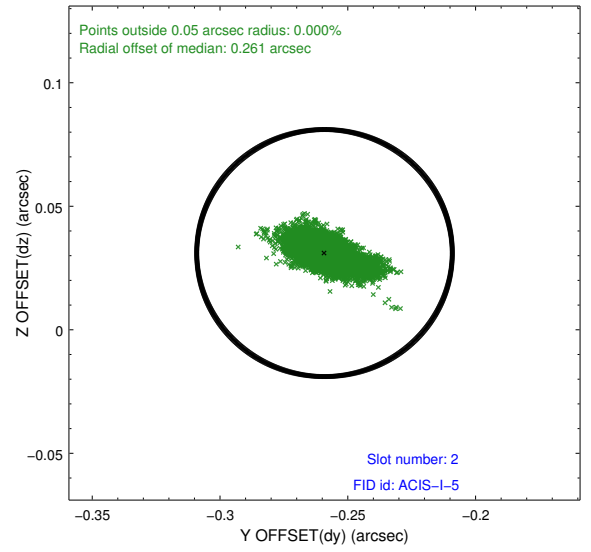
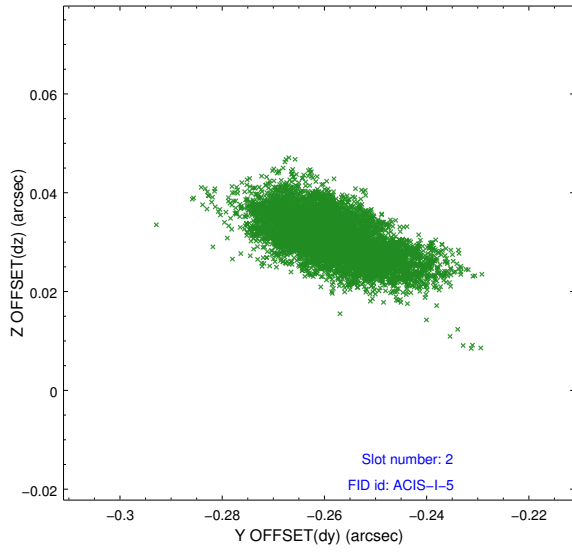
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.1695589

A.2 Comments