

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11879 - L2 Version 2
Chandra X-Ray Center

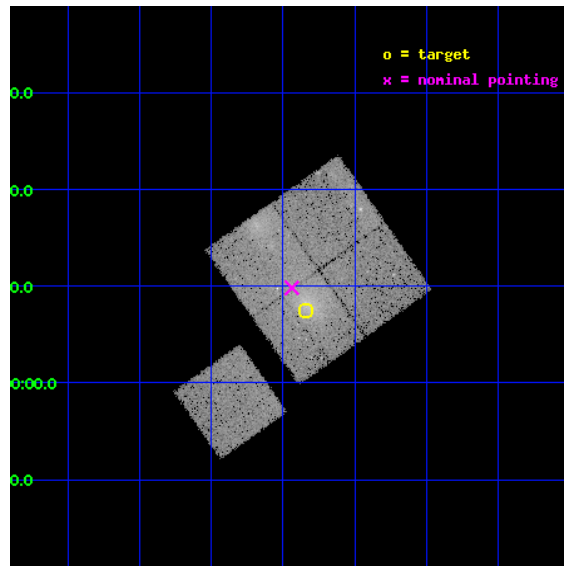
L2 Processing Date : Jun 25 2012

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1 Front

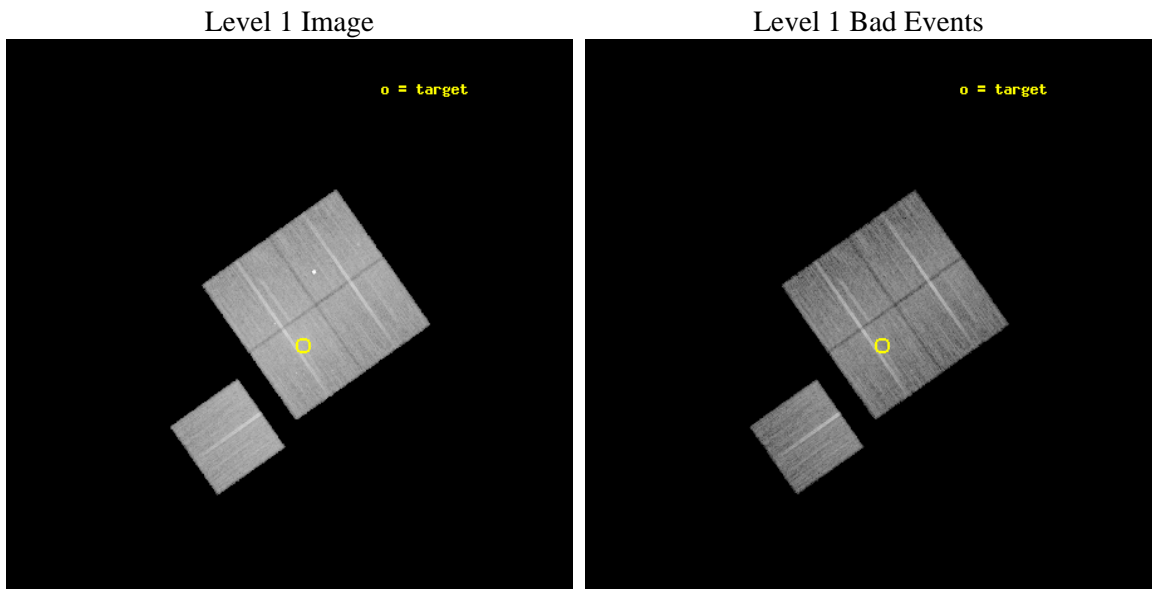
seq_num	800933	Sequence number
obs_id	11879	Observation id
title	Chandra Observations of the Merging Clusters A98 and A1750	Proposa
observer	Dr. Stephen Murray	Principal investigator
object	A1750s	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.709583	Observer's specified target RA [deg]
dec_targ	-1.874444	Observer's specified target Dec [deg]
ra_nom	202.73459724924	Nominal RA [deg]
dec_nom	-1.8362459294723	Nominal Dec [deg]
roll_nom	234.81534362861	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20050.759133995	Sum of GTIs [s]
livetime	19788.781204755	Livetime [s]
ontime0	20044.477113247	Sum of GTIs [s]
ontime1	20041.336102962	Sum of GTIs [s]
ontime2	20050.759133995	Sum of GTIs [s]
ontime3	20050.759124041	Sum of GTIs [s]
ontime6	20050.759143829	Sum of GTIs [s]
l2events	89787	Number of level 2 events



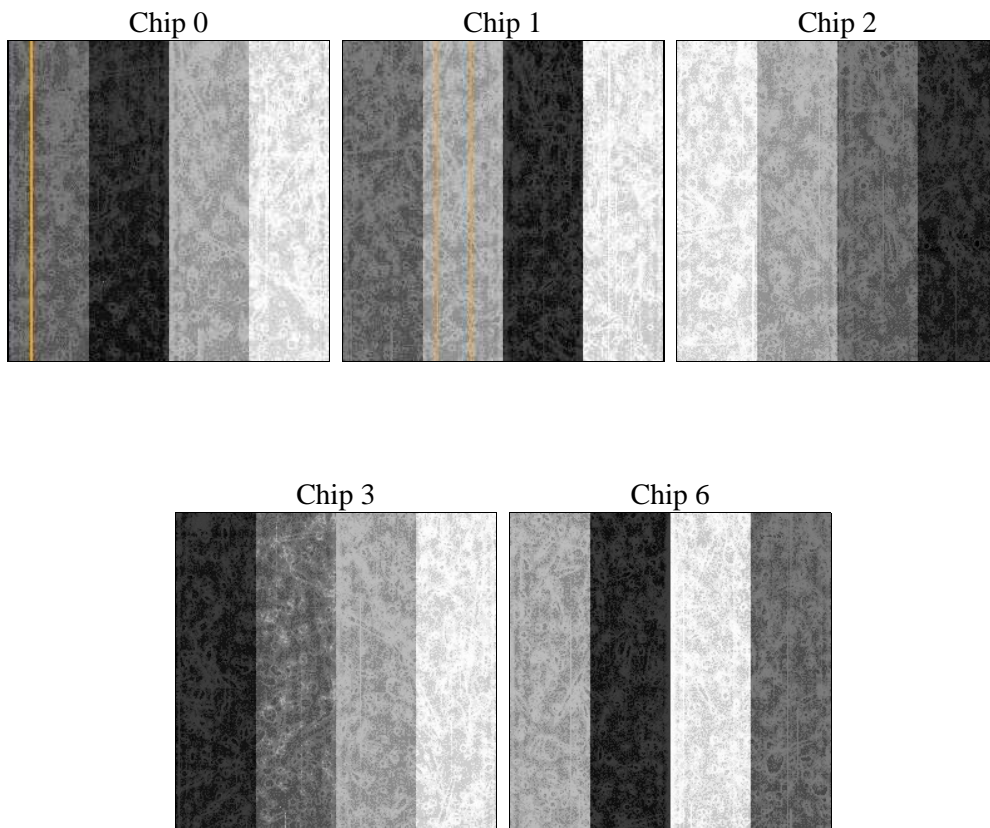
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20050.759133995	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	20044.477113247	Sum of GTIs [s]
date	2012-06-25T10:24:12	Date and time of file creation	ontime1	20041.336102962	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20050.759133995	Sum of GTIs [s]
			ontime3	20050.759124041	Sum of GTIs [s]
			ontime6	20050.759143829	Sum of GTIs [s]
			l1events	770177	Number of level 1 events

2.1.4 Events

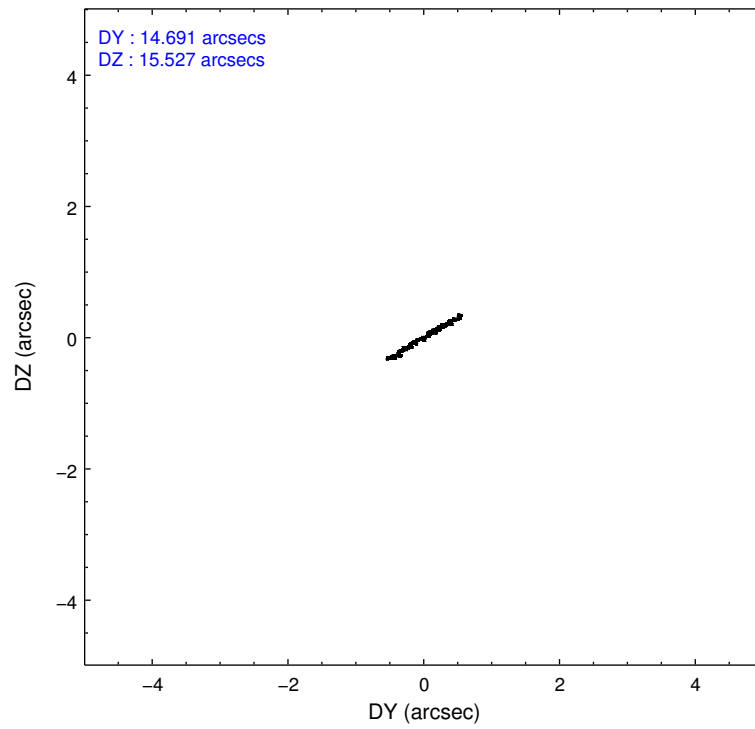
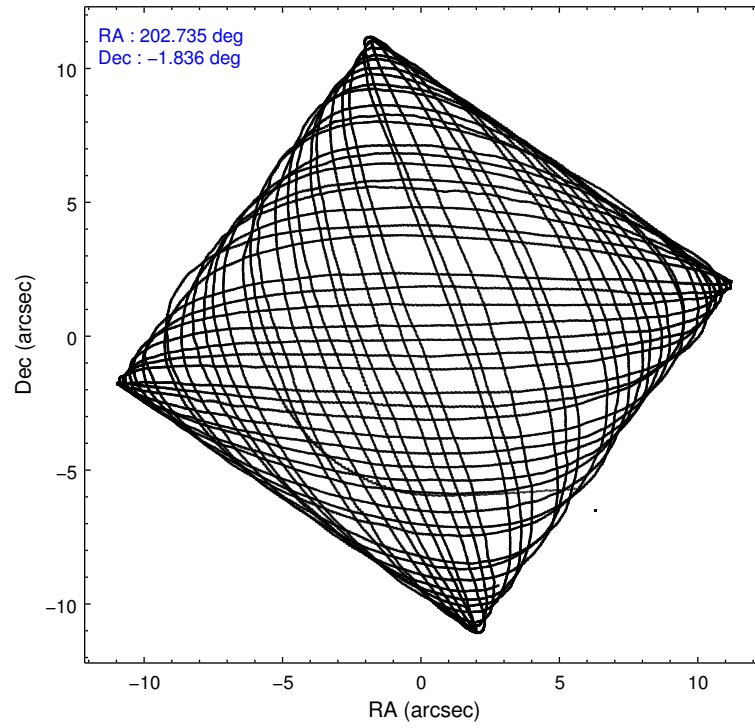
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	141648	149217	168146	156919	154247
rejected events	124204	124231	140955	133785	137220
rejected %	87%	83%	83%	85%	88%

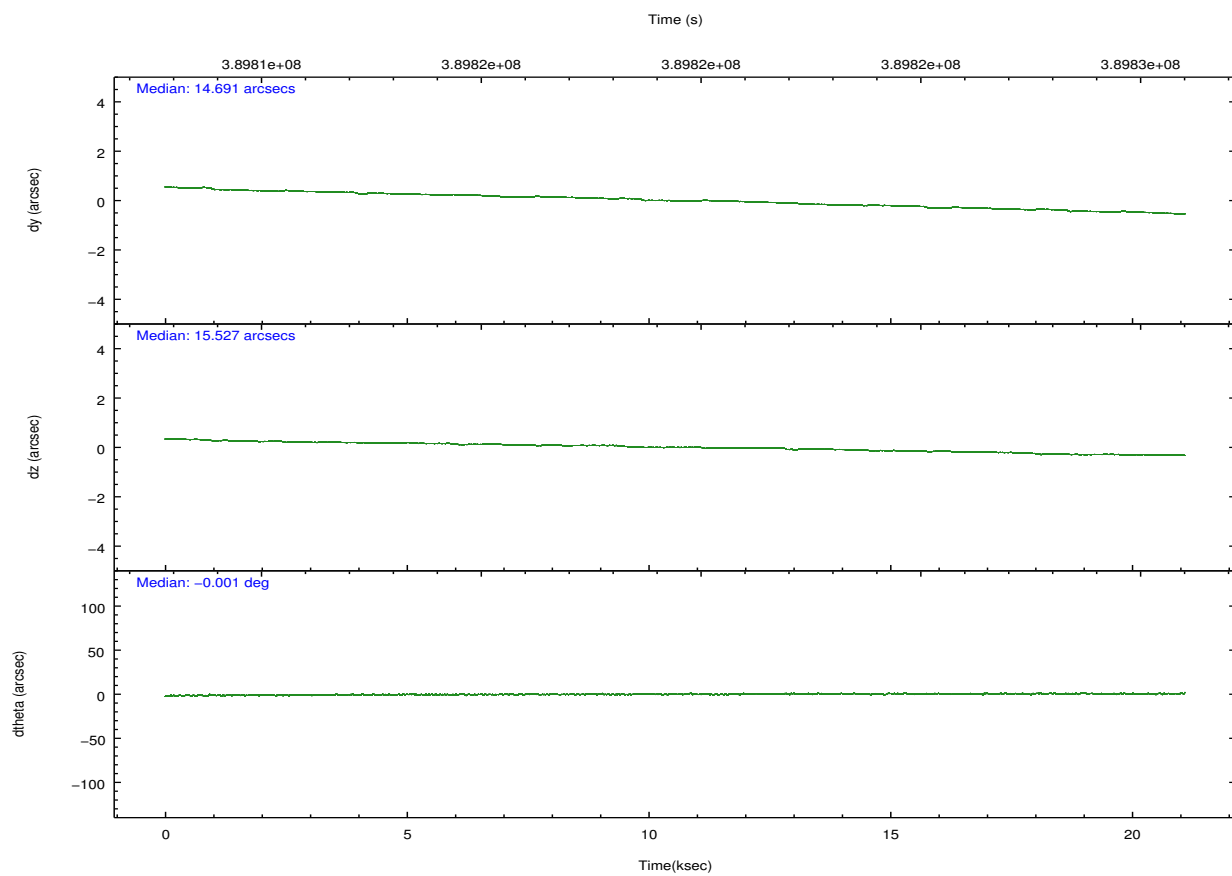
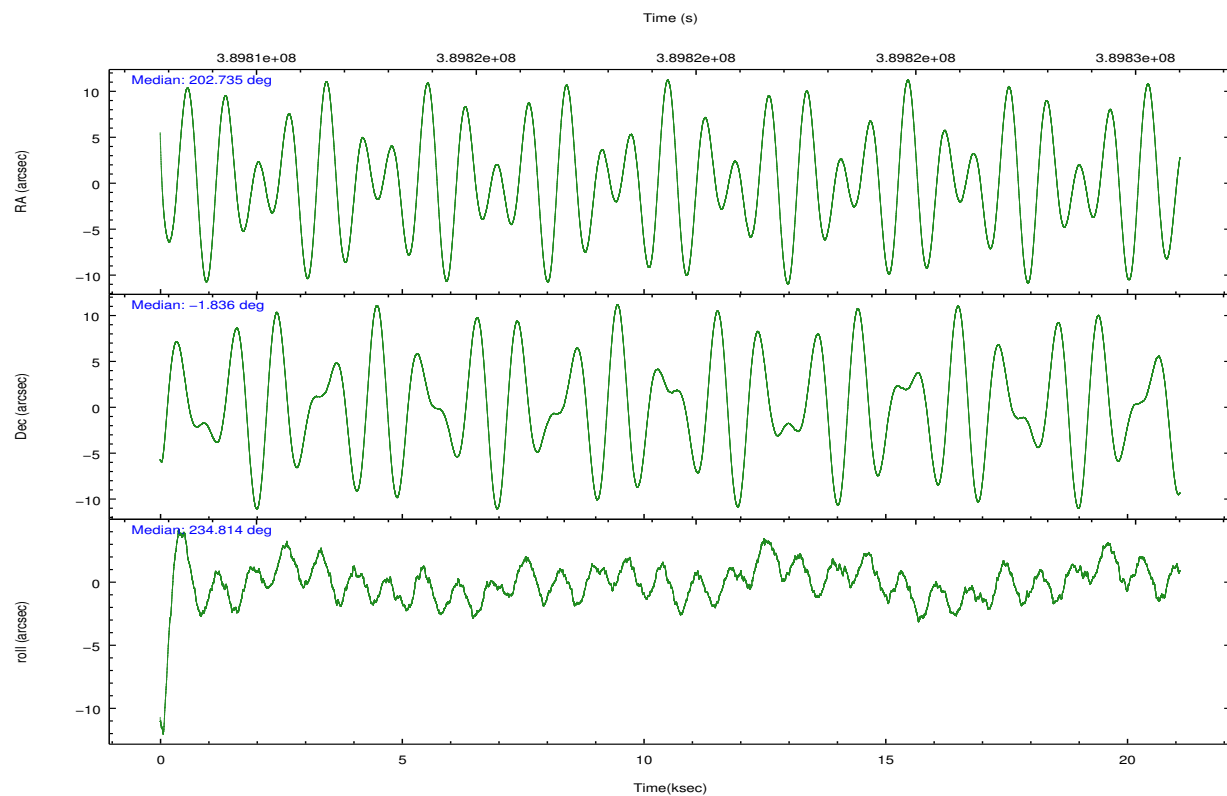
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6414	12989	14877	11438	6095
	4%	8%	8%	7%	3%
grade 1 events	93	117	150	112	68
	0%	0%	0%	0%	0%
grade 2 events	4103	4366	4921	4321	3802
	2%	2%	2%	2%	2%
grade 3 events	1891	1910	2063	1994	1738
	1%	1%	1%	1%	1%
grade 4 events	1718	1933	1998	1913	1758
	1%	1%	1%	1%	1%
grade 5 events	6175	6576	5934	6842	6667
	4%	4%	3%	4%	4%
grade 6 events	3323	3790	3336	3470	3643
	2%	2%	1%	2%	2%
grade 7 events	117931	117536	134867	126829	130476
	83%	78%	80%	80%	84%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	202.736983	202.7345972492398	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.808849	-1.836245929472276	Alternating exposures requested	N	N
[deg] Pointing Roll	234.606731	234.8153436286122	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.792463	-225.7829997647864			
[mm] SIM translation stage offset	-7.8	-7.809453238143249			
[s] Observation start time (MET)	389809947.184000	389807730.66312			
Observation start date	2010-05-09T16:31:21	2010-05-09T15:55:30			
[s] Observation end time (MET)	389829947.184000	389830435.43927			
Observation end date	2010-05-09T22:04:41	2010-05-09T22:13:55			
Read mode	TIMED	TIMED			

2.3 Aspect



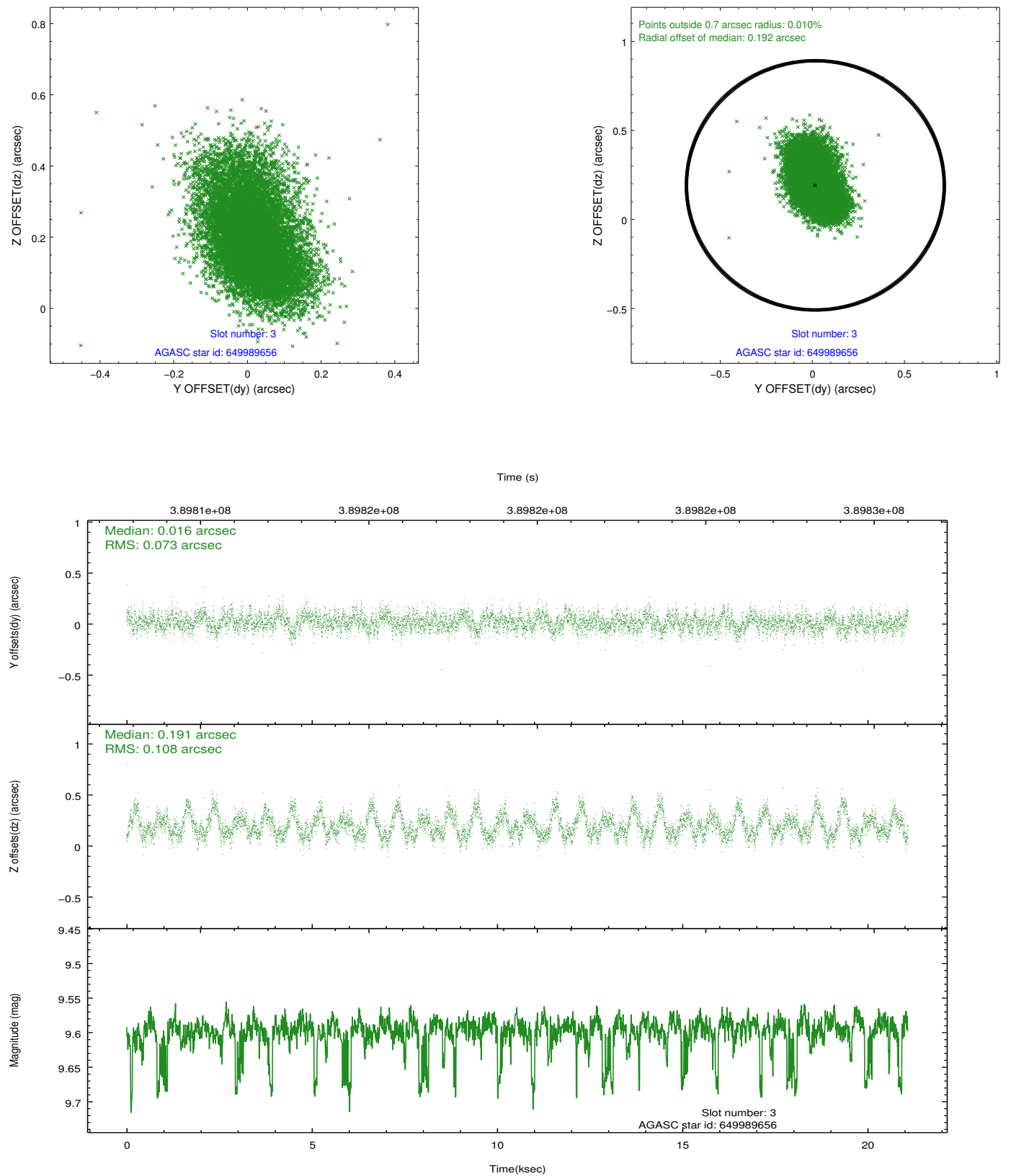


Slot Statistics

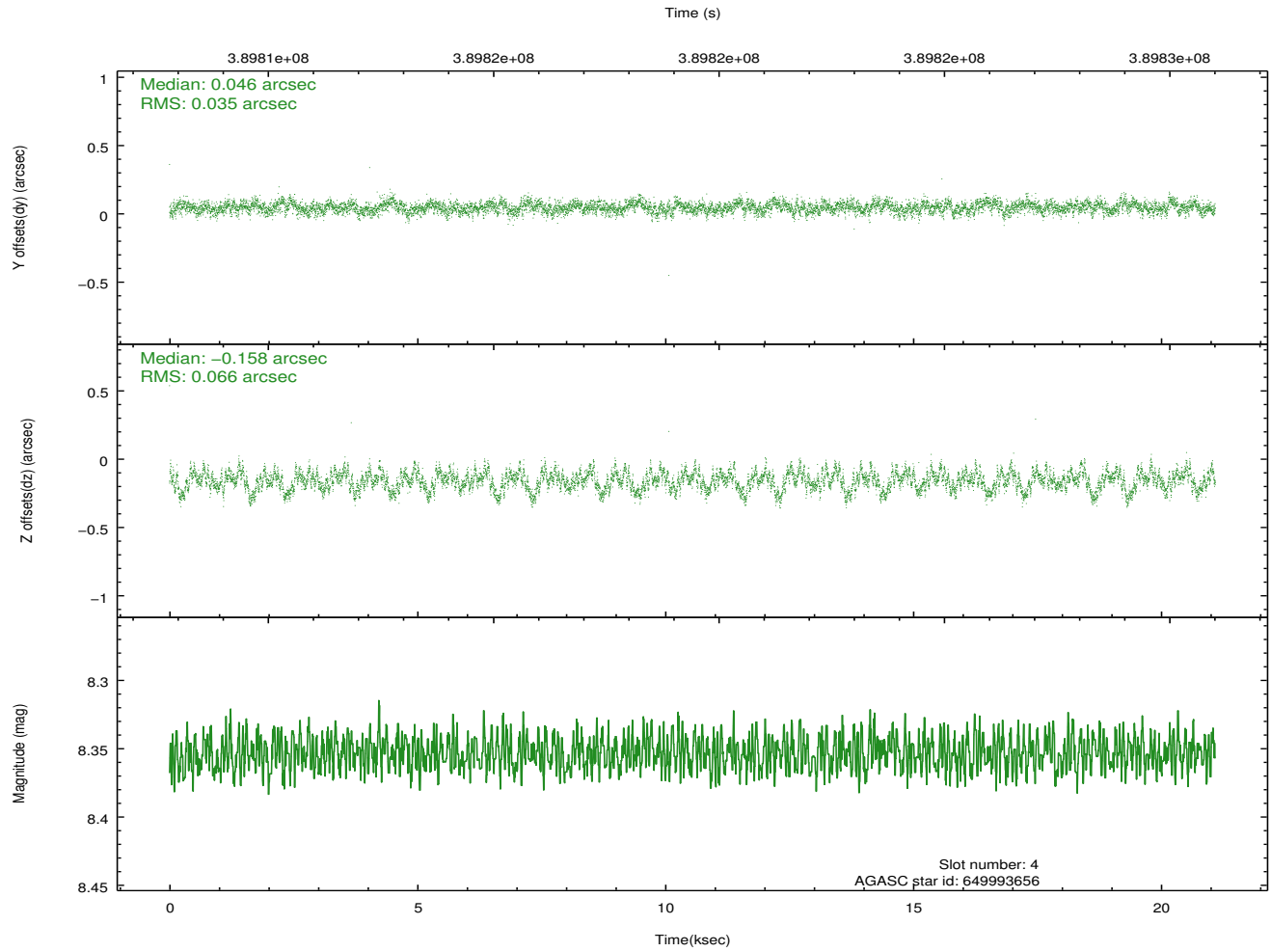
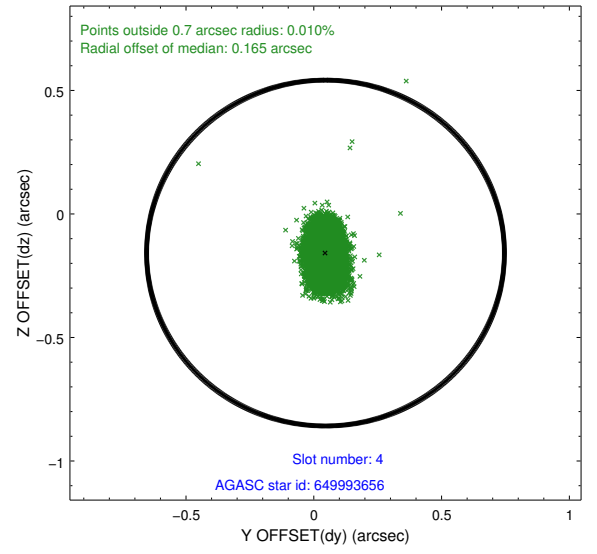
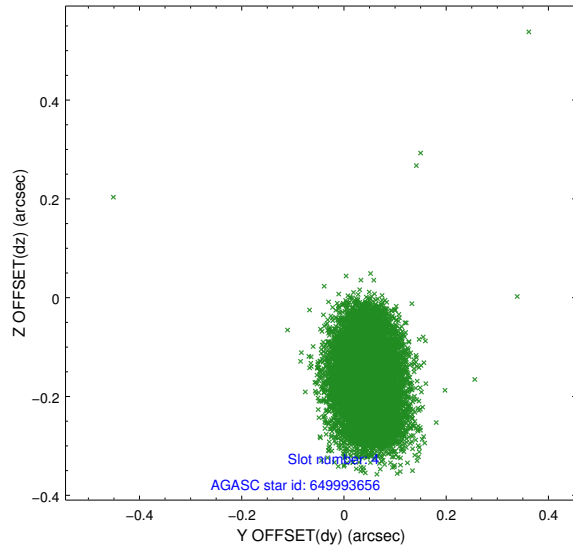
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	5145	0.156	-0.112	0.011	0.018	0.000000	0.000000	924.78	-999.58
1	FID	ACIS-I-5	7.00	5145	-0.306	0.125	0.010	0.017	0.000000	0.000000	-1823.68	898.06
2	FID	ACIS-I-6	7.02	5145	0.058	0.057	0.007	0.011	0.000000	0.000000	390.06	1542.67
3	GUIDE	649989656	9.60	10269	0.016	0.191	0.135	0.233	202.302842	-2.036557	1573.59	-797.78
4	GUIDE	649993656	8.35	10287	0.046	-0.158	0.078	0.133	202.447079	-1.396902	-603.88	-1709.33
5	GUIDE	649994832	6.30	10290	-0.108	-0.141	0.058	0.097	202.312148	-1.364425	-417.45	-2172.95
6	GUIDE	650904408	8.38	10285	-0.166	-0.131	0.064	0.105	202.793007	-2.262184	1214.01	1109.29
7	GUIDE	650904504	7.96	10283	0.210	0.231	0.060	0.095	202.937627	-1.239362	-2088.70	-598.07

2.4 Star Slots

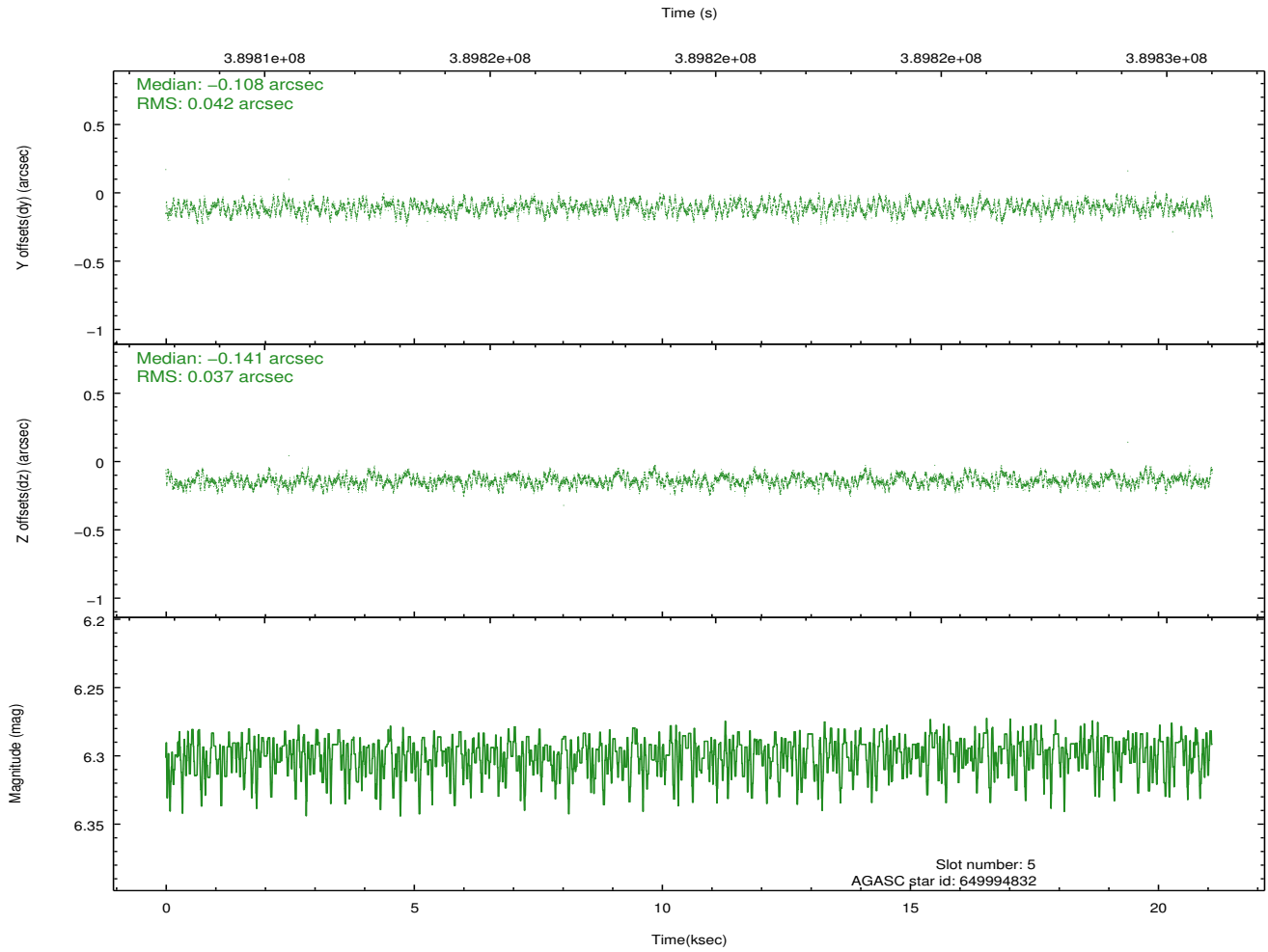
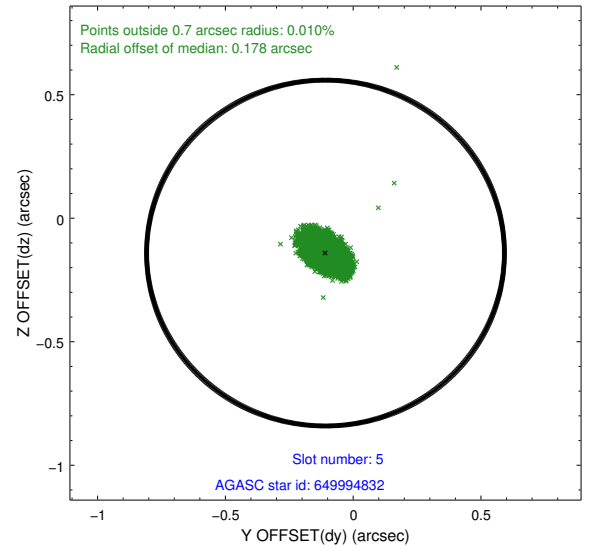
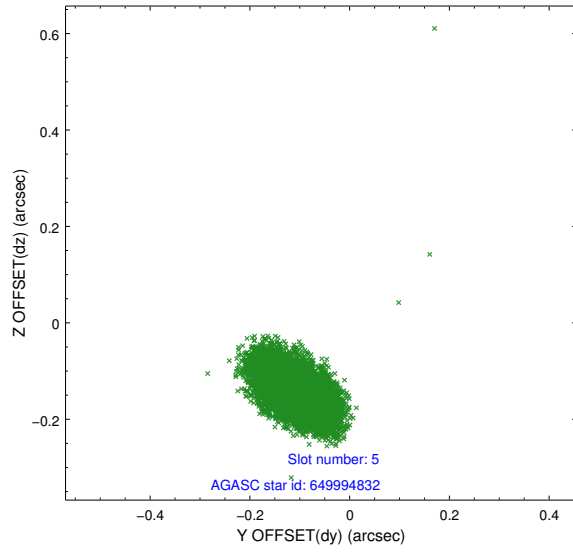
2.4.1 Slot 3



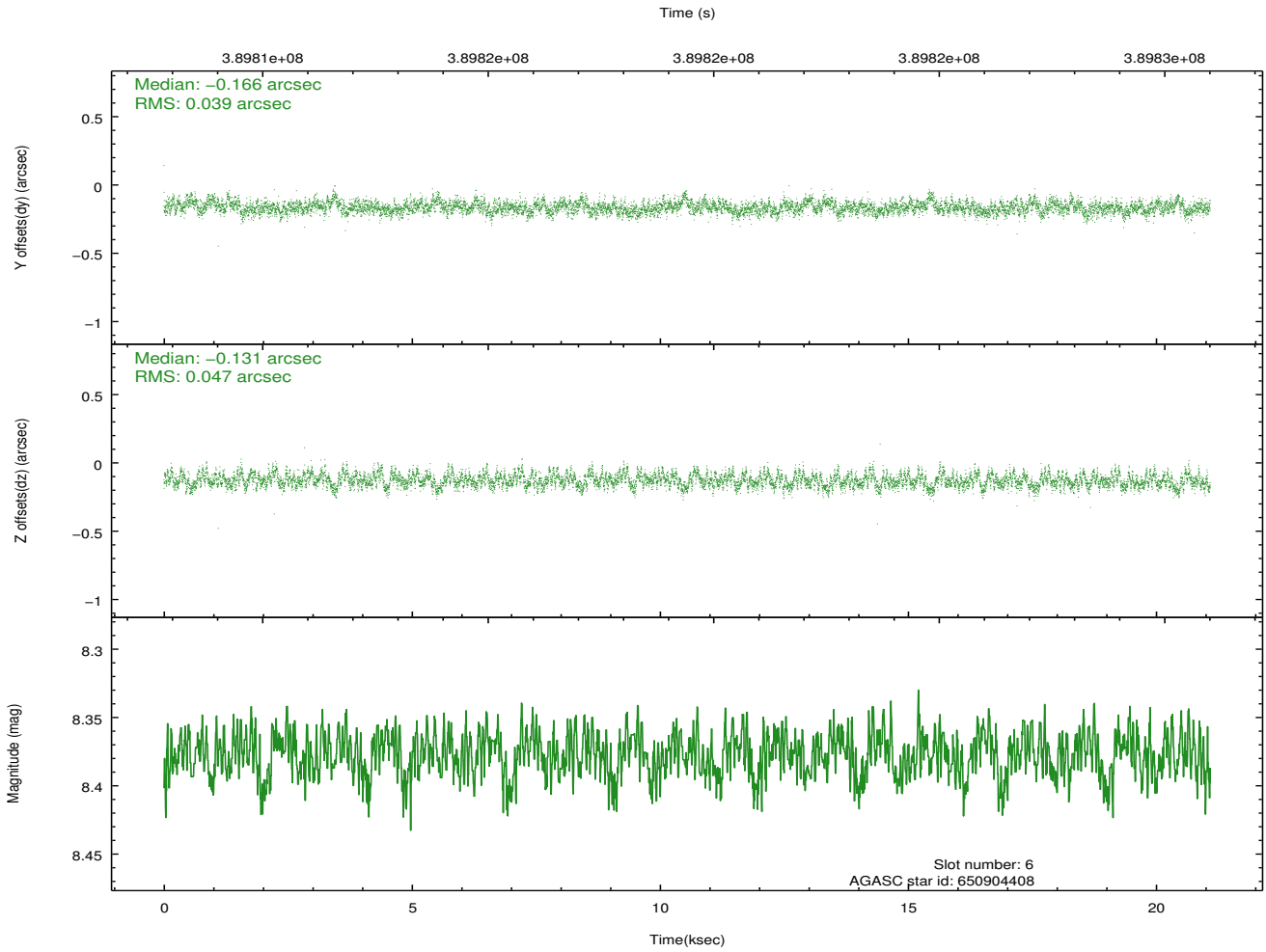
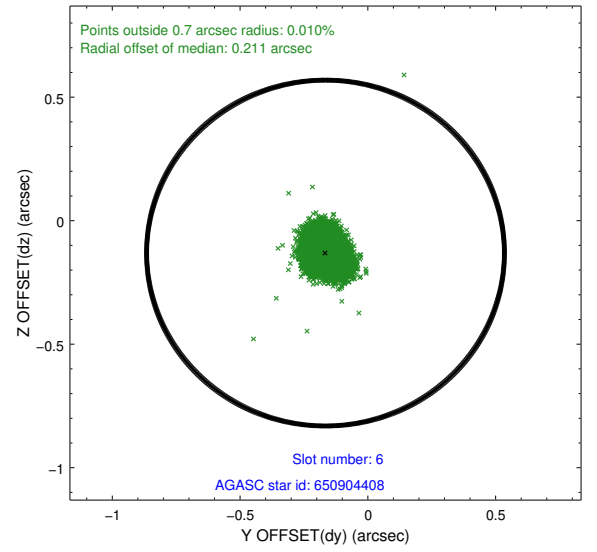
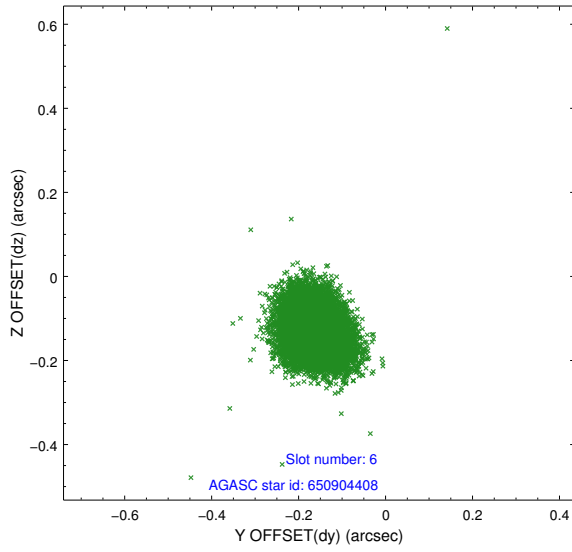
2.4.2 Slot 4



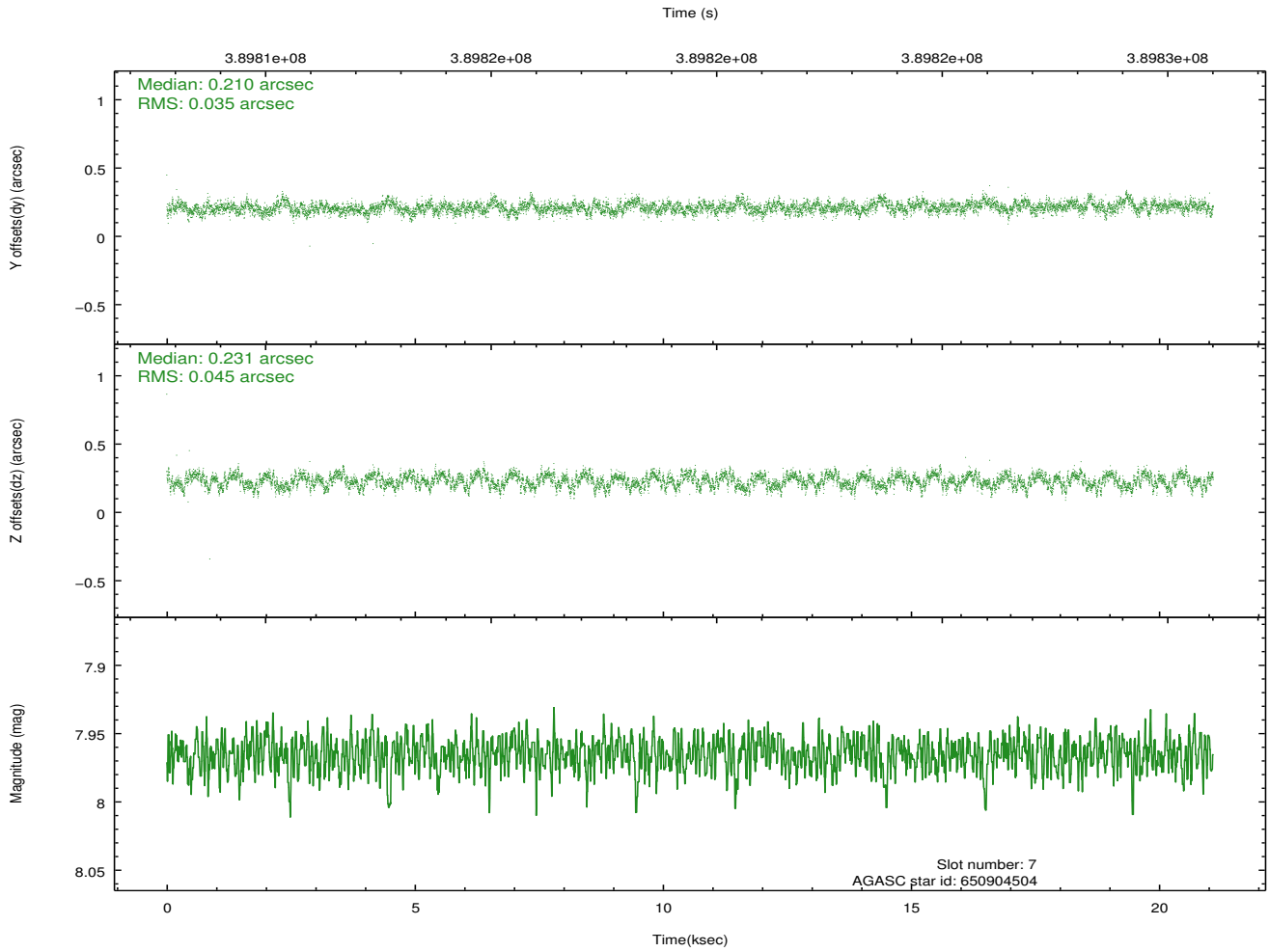
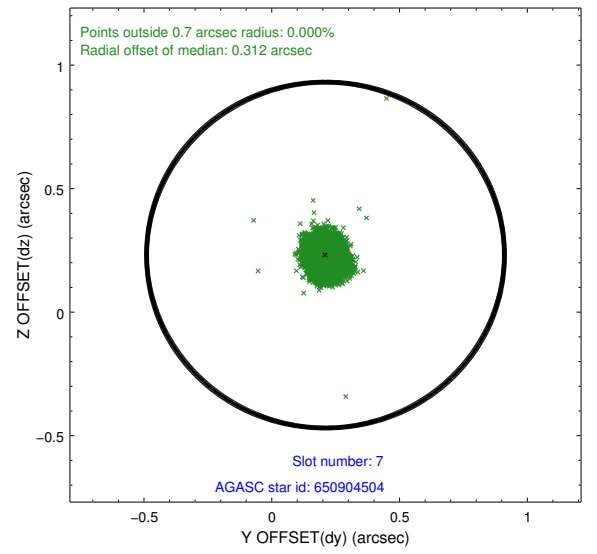
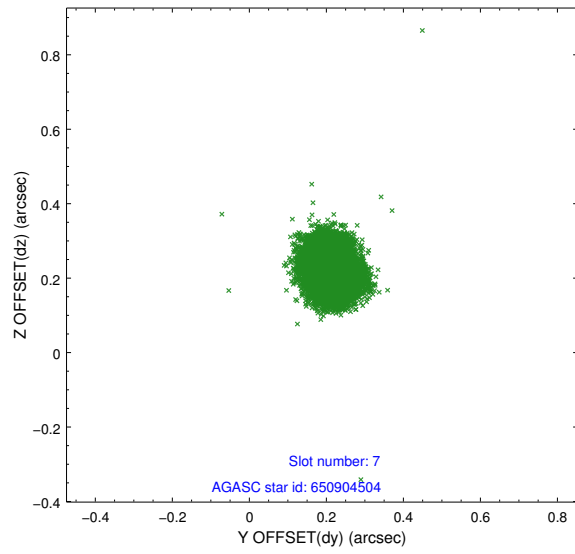
2.4.3 Slot 5



2.4.4 Slot 6

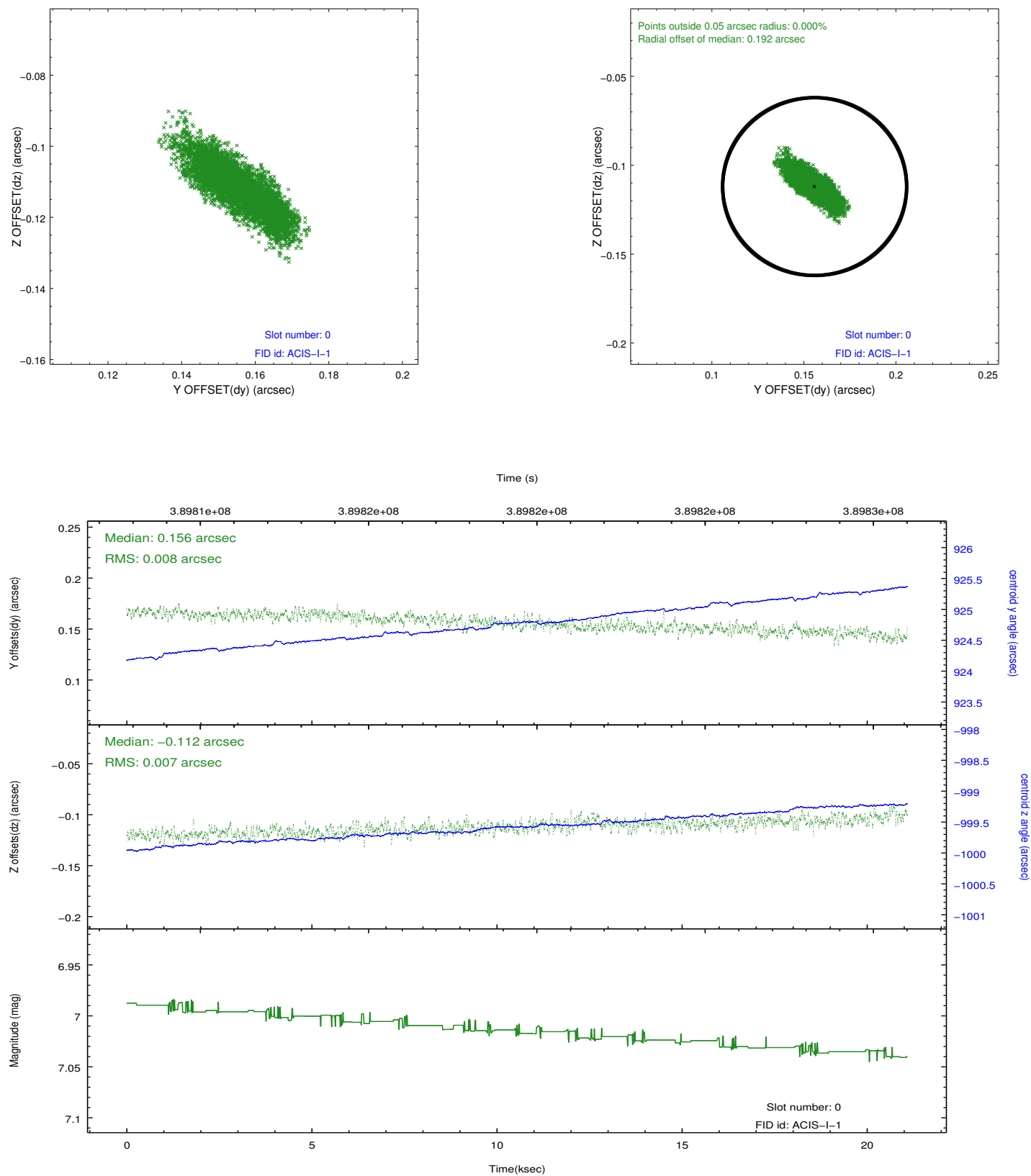


2.4.5 Slot 7

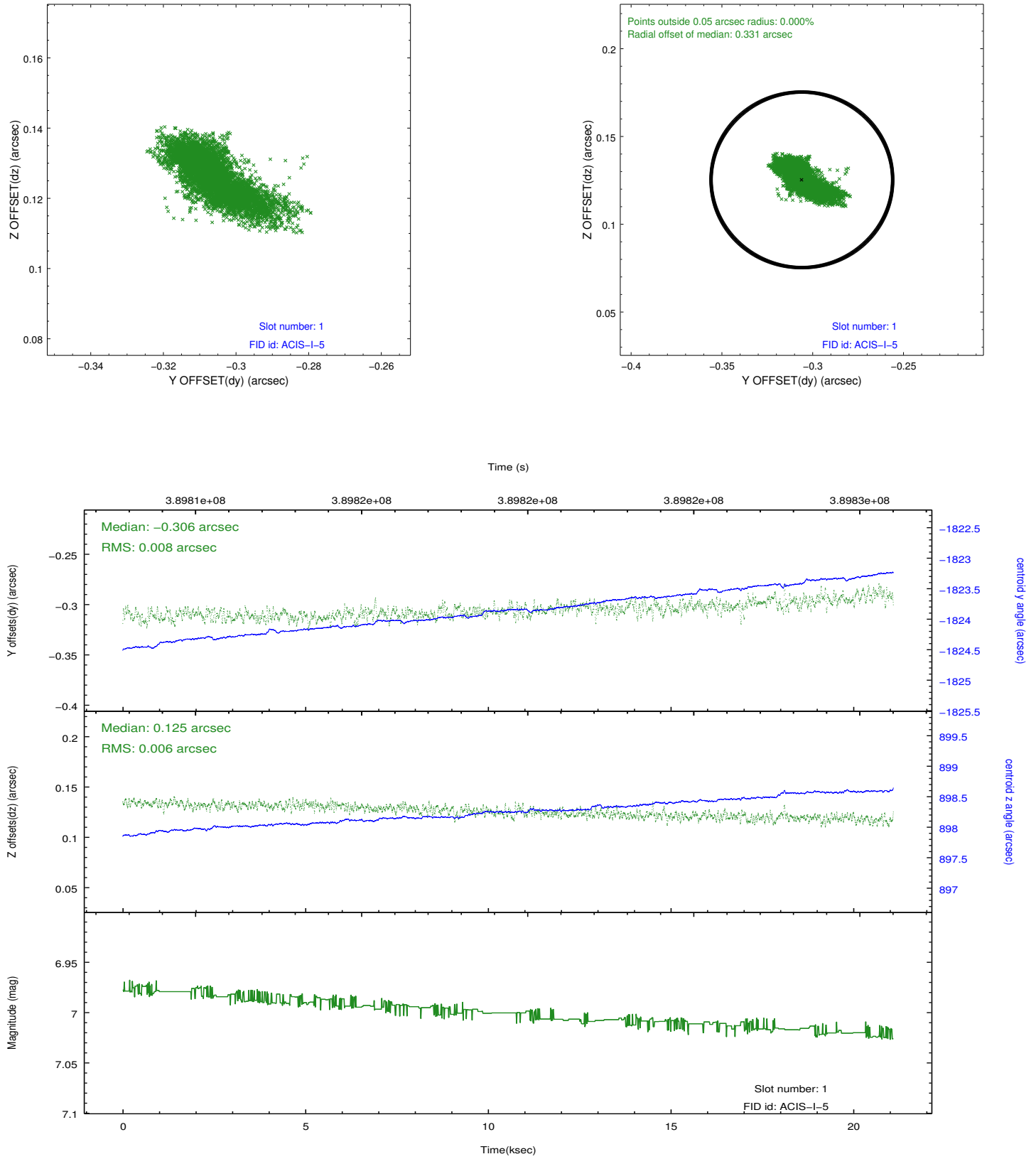


2.5 FID Slots

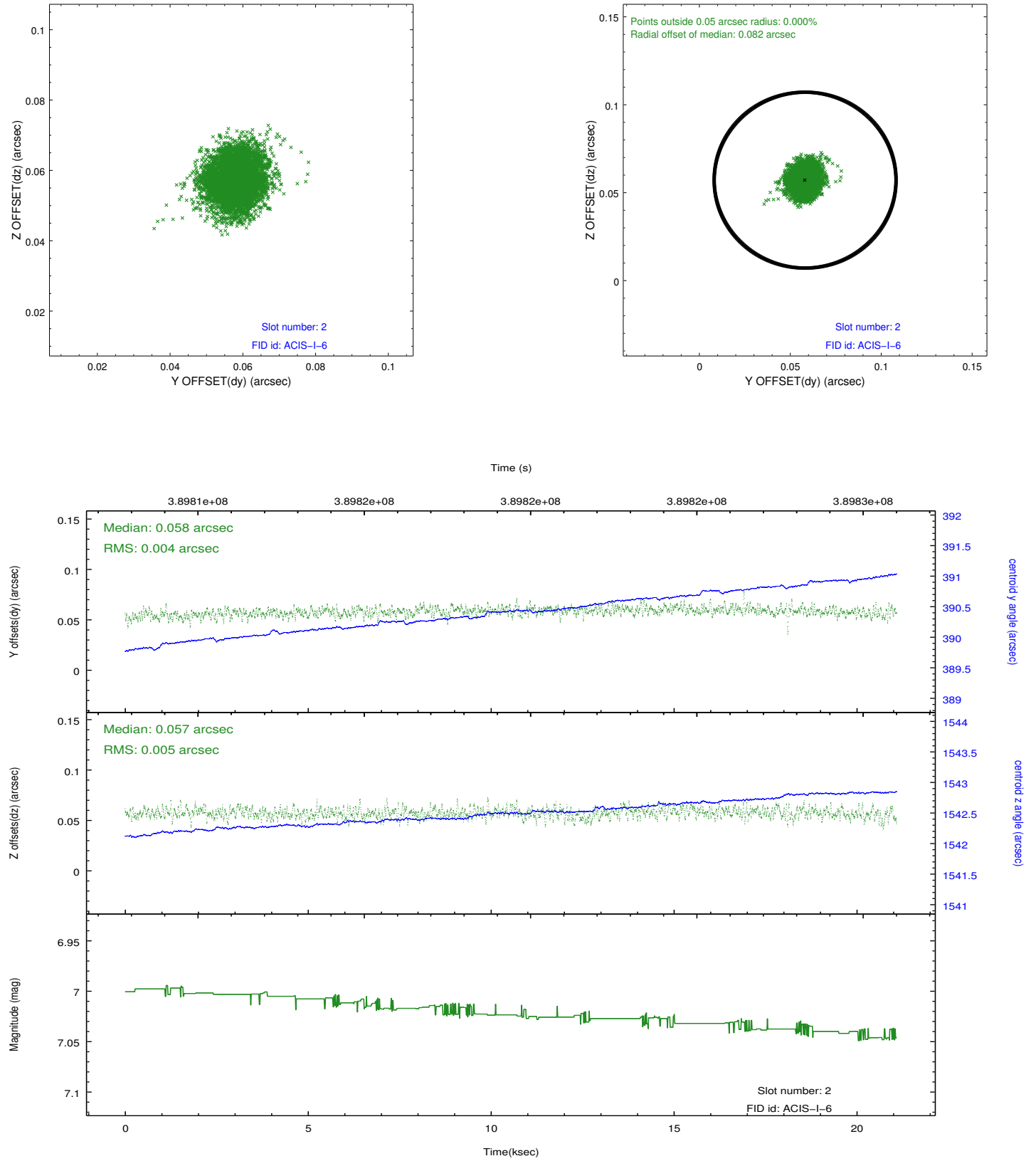
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.050759133995

A.2 Comments