

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8953 - L2 Version 2
Chandra X-Ray Center

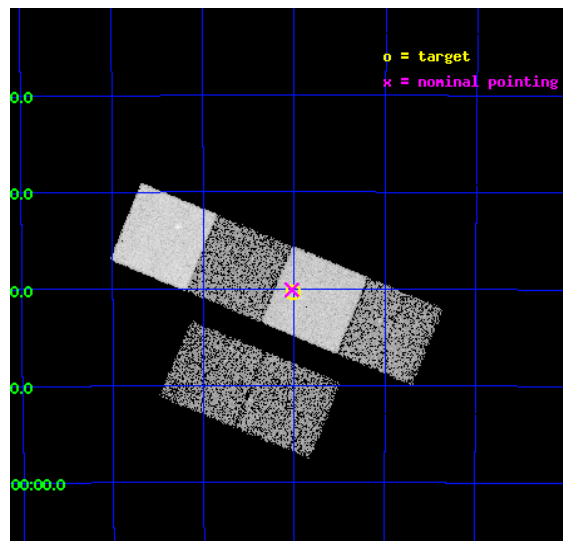
L2 Processing Date : May 13 2012

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1 Front

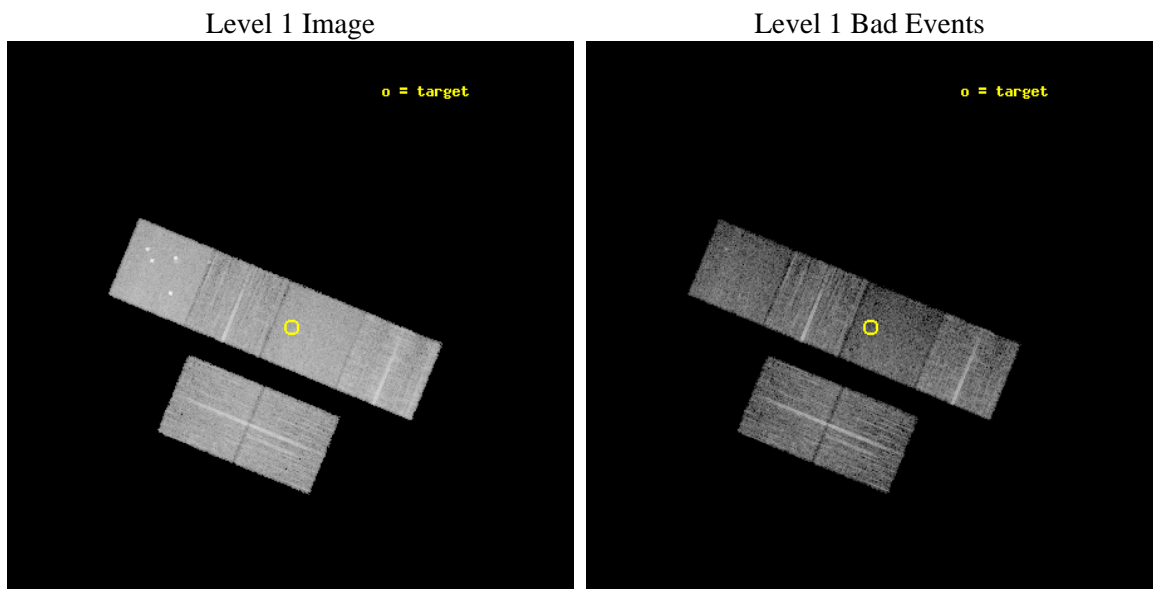
seq_num	300209	Sequence number
obs_id	8953	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 5927	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.002083	Observer's specified target RA [deg]
dec_targ	-50.672778	Observer's specified target Dec [deg]
ra_nom	232.00657538777	Nominal RA [deg]
dec_nom	-50.668823760016	Nominal Dec [deg]
roll_nom	22.278131910651	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7875.1999707222	Sum of GTIs [s]
livetime	7775.4794468168	Livetime [s]
ontime2	7875.1999707222	Sum of GTIs [s]
ontime3	7875.1999707222	Sum of GTIs [s]
ontime5	7875.1999707222	Sum of GTIs [s]
ontime6	7871.9589703679	Sum of GTIs [s]
ontime7	7875.1999707222	Sum of GTIs [s]
ontime8	7871.9589603543	Sum of GTIs [s]
l2events	93491	Number of level 2 events



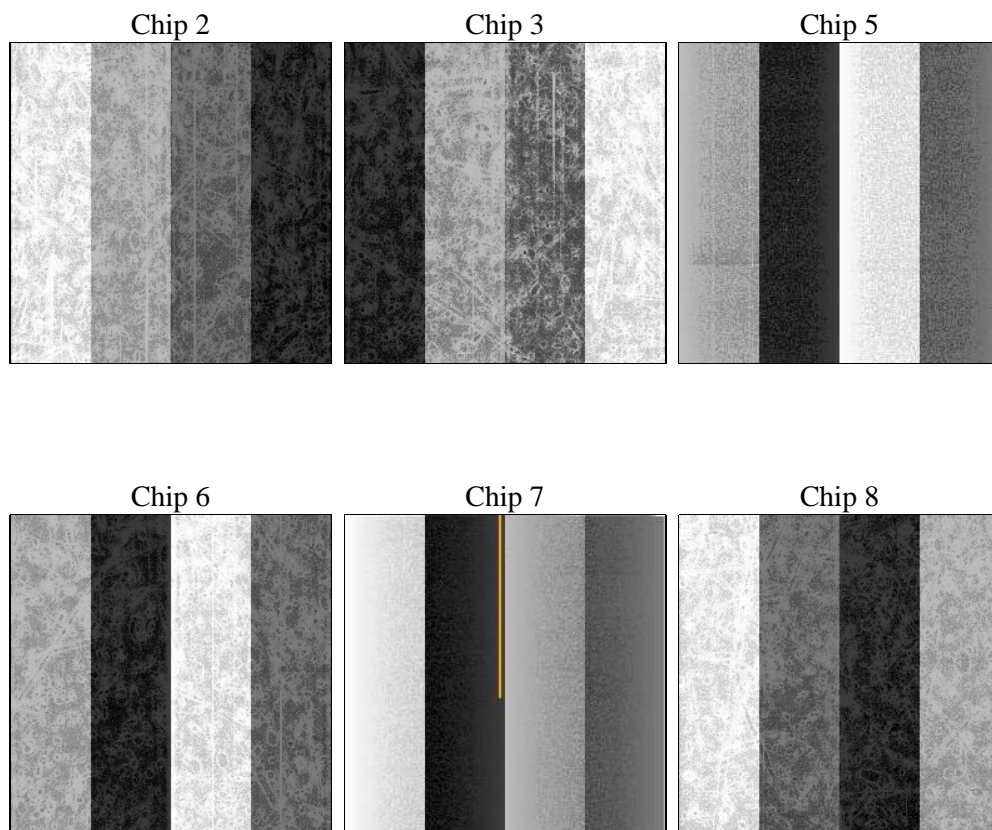
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7875.1999707222	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7875.1999707222	Sum of GTIs [s]
date	2012-05-14T00:46:10	Date and time of file creation	ontime3	7875.1999707222	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7875.1999707222	Sum of GTIs [s]
			ontime6	7871.9589703679	Sum of GTIs [s]
			ontime7	7875.1999707222	Sum of GTIs [s]
			ontime8	7871.9589603543	Sum of GTIs [s]
			l1events	452754	Number of level 1 events

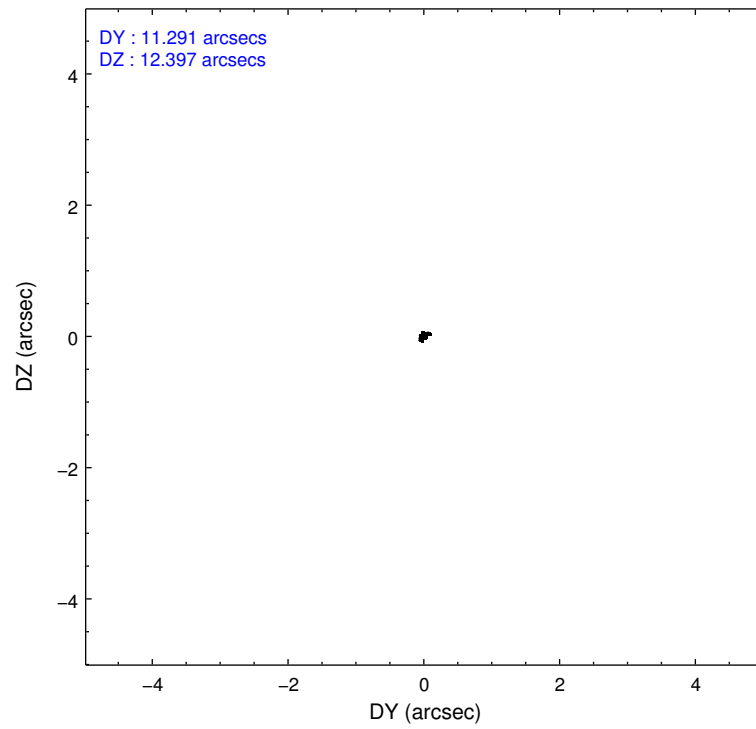
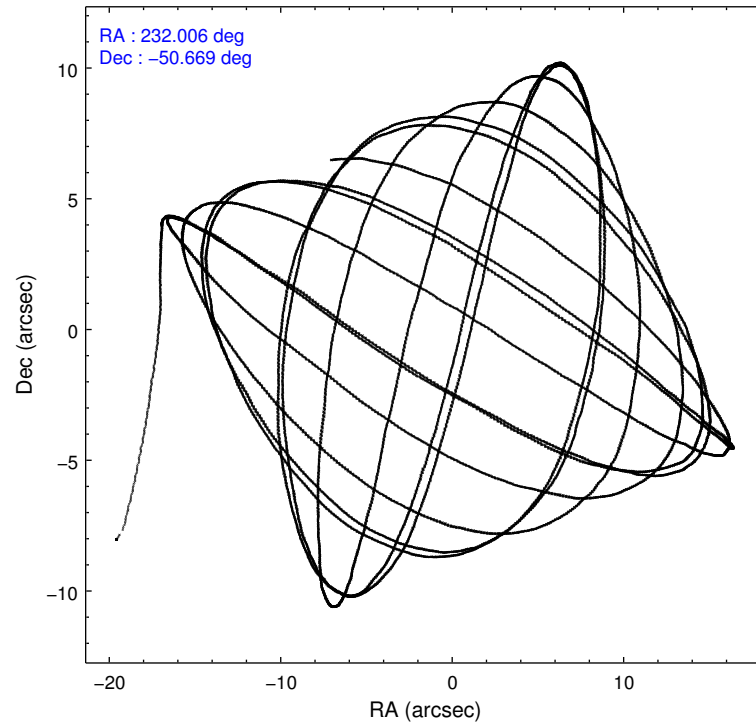
2.1.4 Events

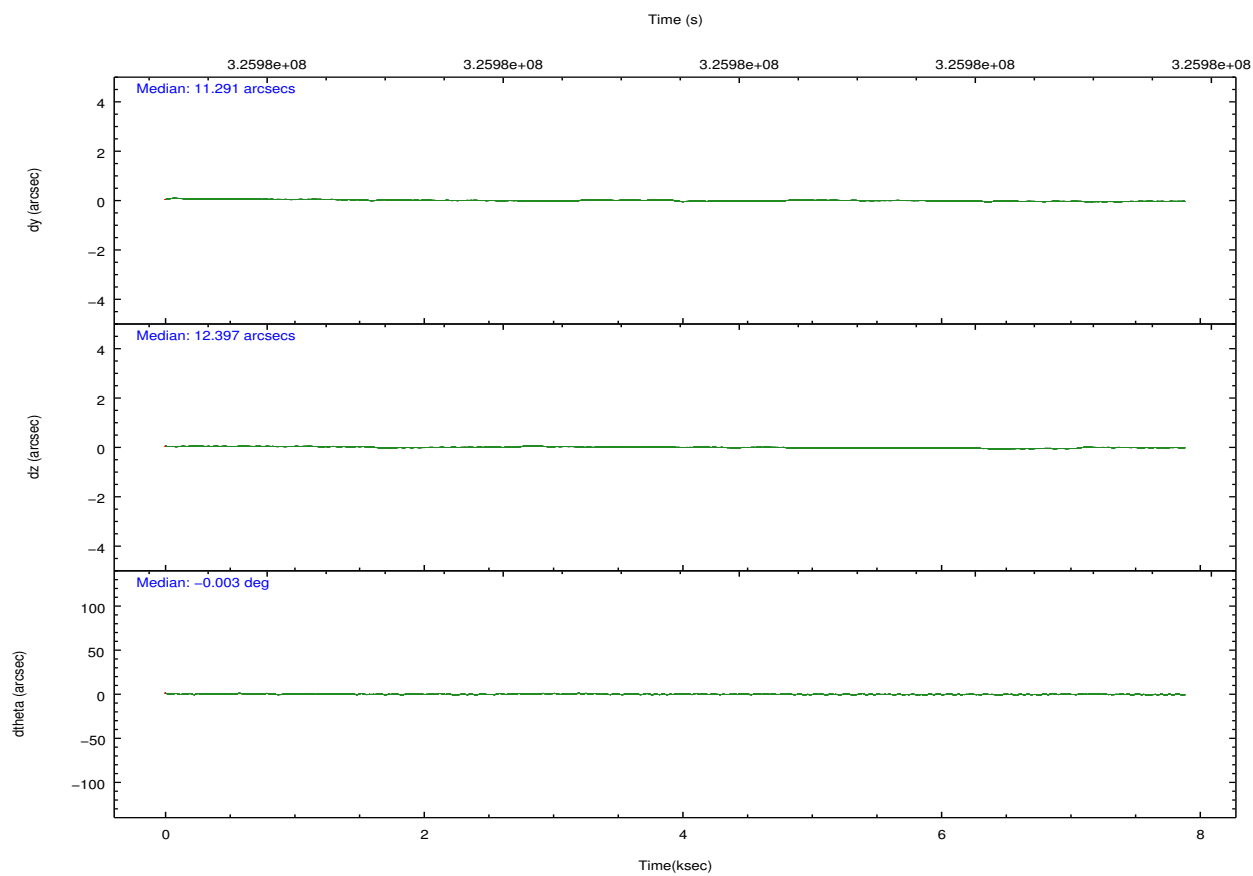
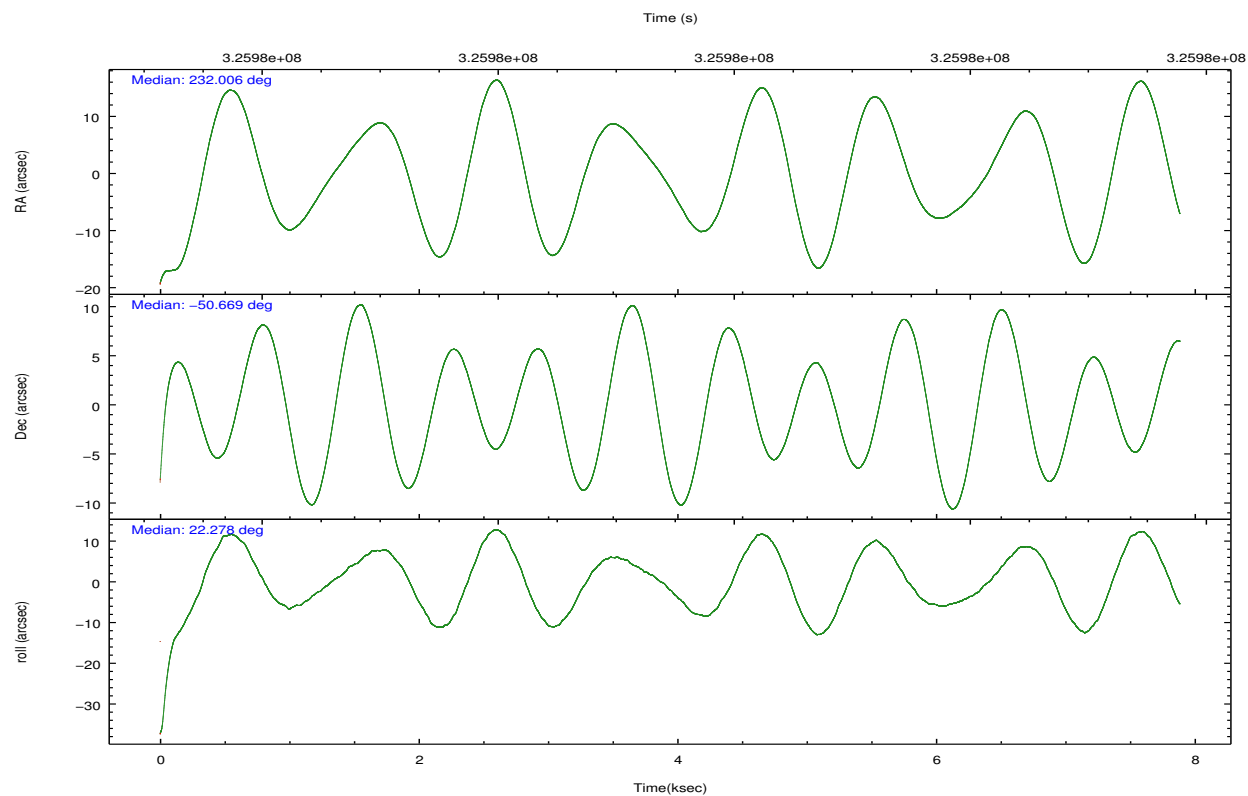
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67954	65323	94973	66381	73243	84880	grade 0 events	2416	2136	7376	2523	3123	5903
rejected events	61660	59586	49148	59739	41751	65700		3%	3%	7%	3%	4%	6%
rejected %	90%	91%	51%	89%	57%	77%	grade 1 events	32	31	183	31	118	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	1596	1336	13945	1604	6849	4751
								2%	2%	14%	2%	9%	5%
							grade 3 events	718	710	1937	755	3022	2171
								1%	1%	2%	1%	4%	2%
							grade 4 events	744	662	1826	733	3041	2072
								1%	1%	1%	1%	4%	2%
							grade 5 events	2187	2563	7108	2629	7852	3869
								3%	3%	7%	3%	10%	4%
							grade 6 events	1213	1255	23825	1473	17450	5564
								1%	1%	25%	2%	23%	6%
							grade 7 events	59048	56630	38773	56633	31788	60476
								86%	86%	40%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	231.980648	232.0065753877724	CCD I2 on	O1	Y
[deg] Pointing Dec	-50.690717	-50.66882376001627	CCD I3 on	O2	Y
[deg] Pointing Roll	22.101474	22.27813191065076	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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)	325975701.184000	325974378.24766	CCD S5 on	N	N
Observation start date	2008-04-30T20:47:16	2008-04-30T20:26:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	325983401.184000	325984178.27313	On-chip summing requested	N	N
Observation end date	2008-04-30T22:55:36	2008-04-30T23:09:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



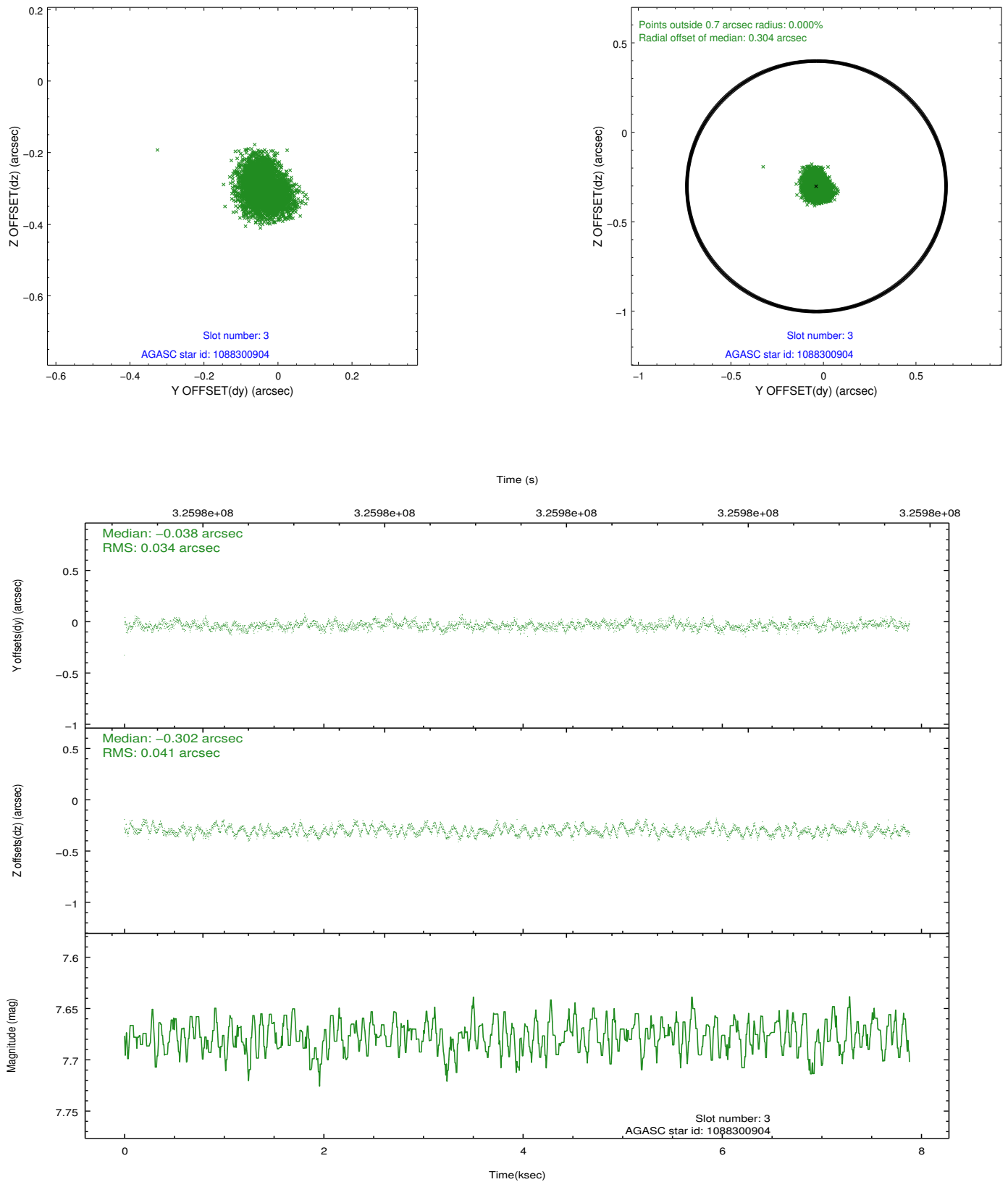


Slot Statistics

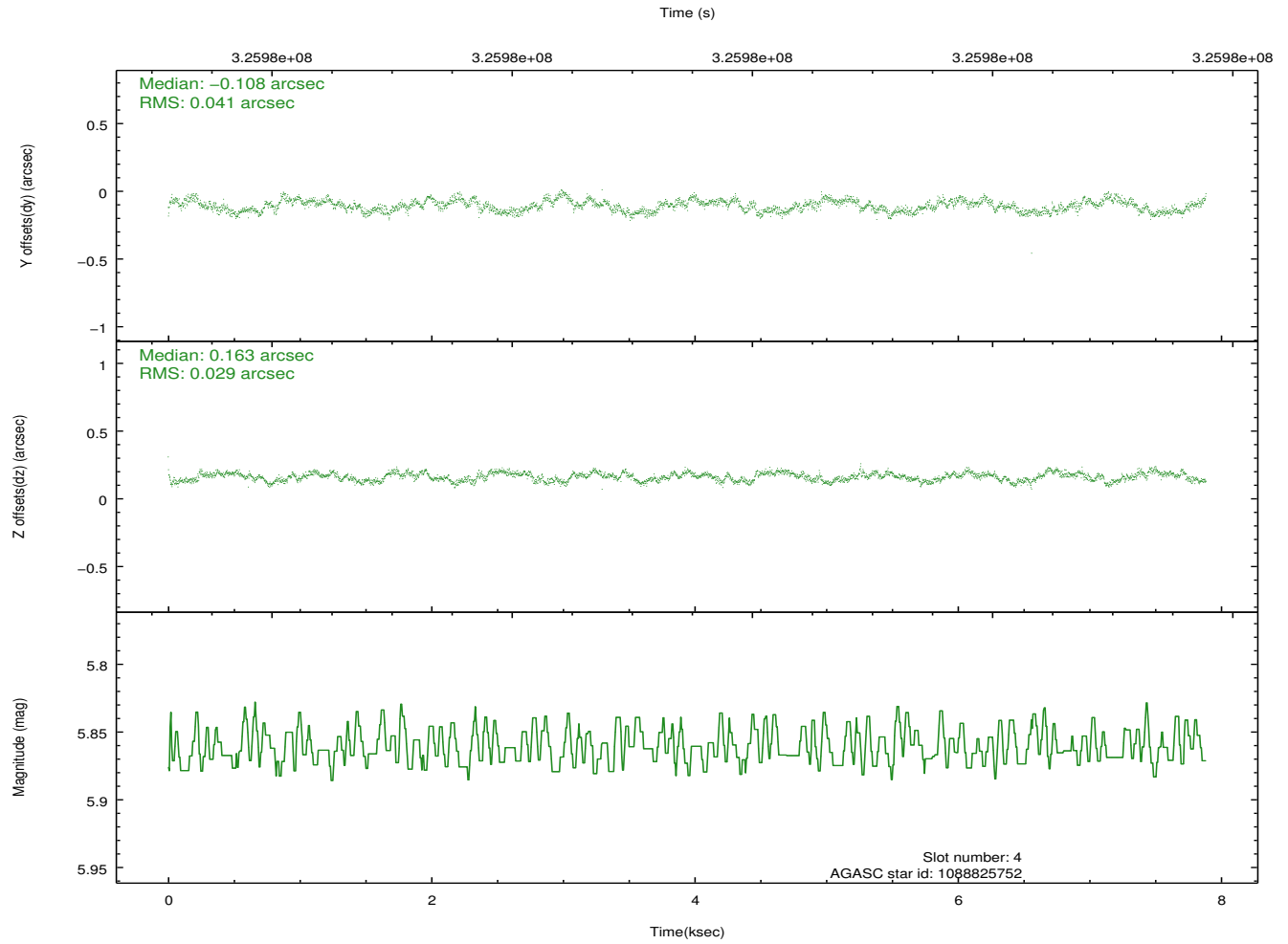
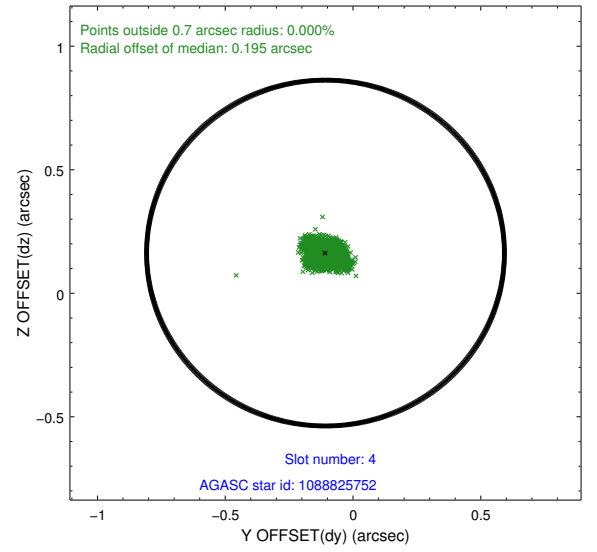
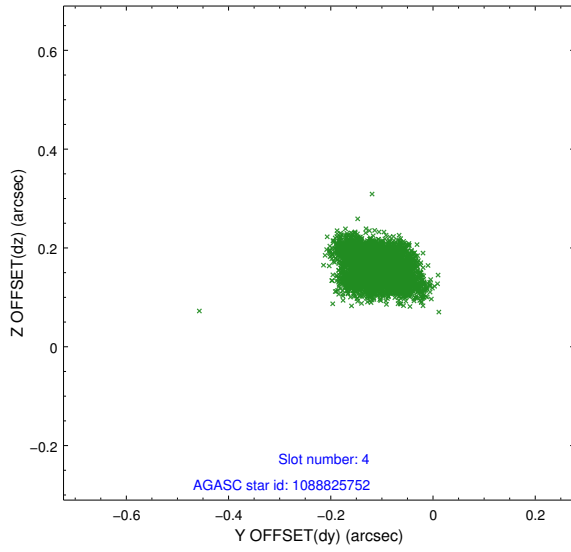
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1924	-0.020	0.002	0.006	0.010	0.000000	0.000000	-764.20	-1733.64
1	FID	ACIS-S-4	7.02	1924	0.069	0.009	0.006	0.010	0.000000	0.000000	2148.86	174.07
2	FID	ACIS-S-5	7.05	1923	-0.081	-0.002	0.006	0.011	0.000000	0.000000	-1816.17	168.59
3	GUIDE	1088300904	7.68	3845	-0.038	-0.302	0.057	0.089	232.329292	-49.953080	1745.16	2154.46
4	GUIDE	1088825752	5.86	3847	-0.108	0.163	0.054	0.084	233.068856	-50.871168	2039.96	-1548.39
5	GUIDE	1088830896	6.74	3847	-0.050	0.042	0.062	0.097	231.399339	-51.341035	-2093.09	-1682.55
6	GUIDE	1088830976	7.78	3847	0.065	0.003	0.072	0.111	232.984982	-50.943007	1763.22	-1713.54
7	GUIDE	1088824984	8.01	3844	0.128	0.092	0.076	0.122	233.096625	-50.657614	2398.39	-866.09

2.4 Star Slots

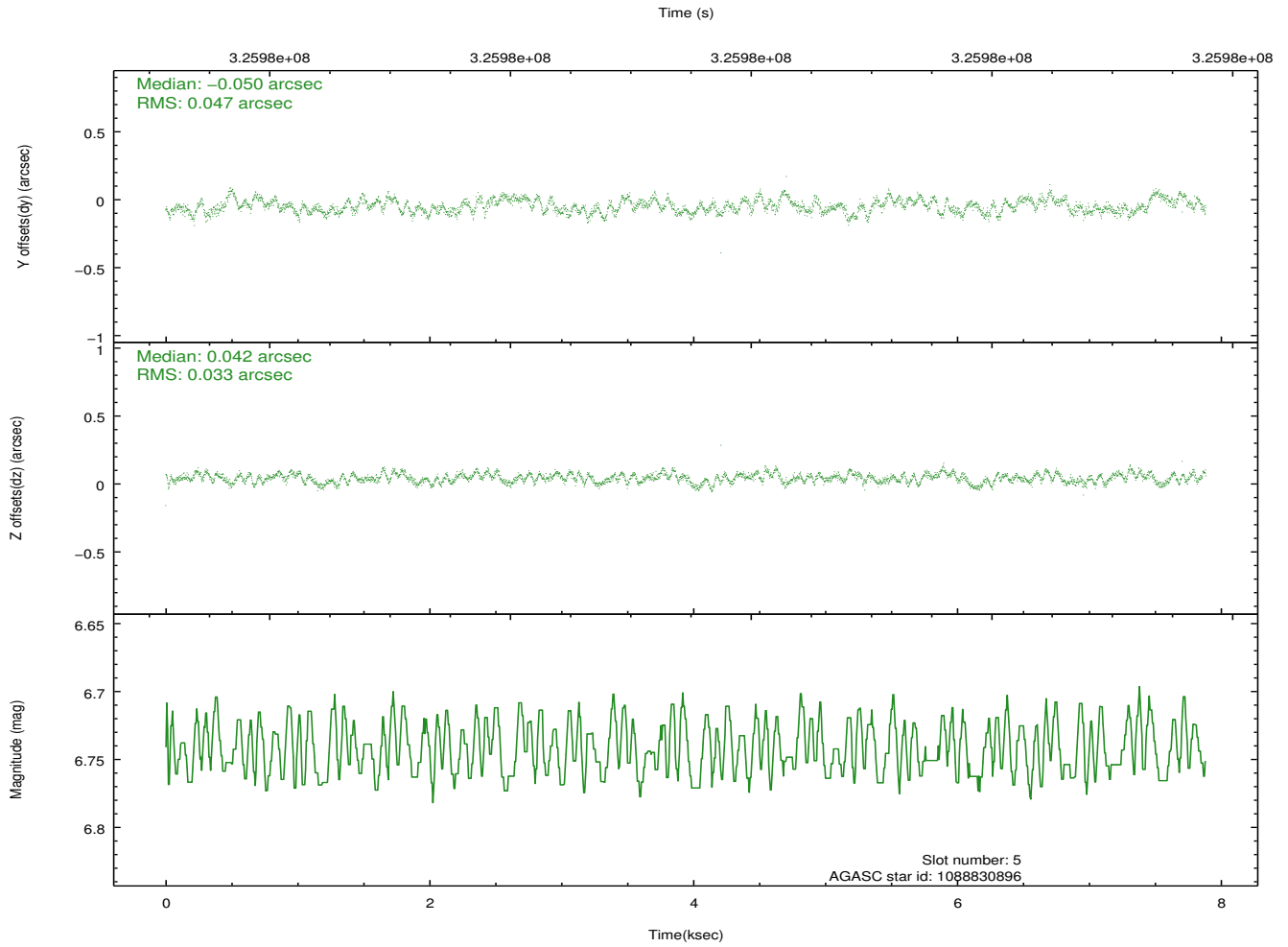
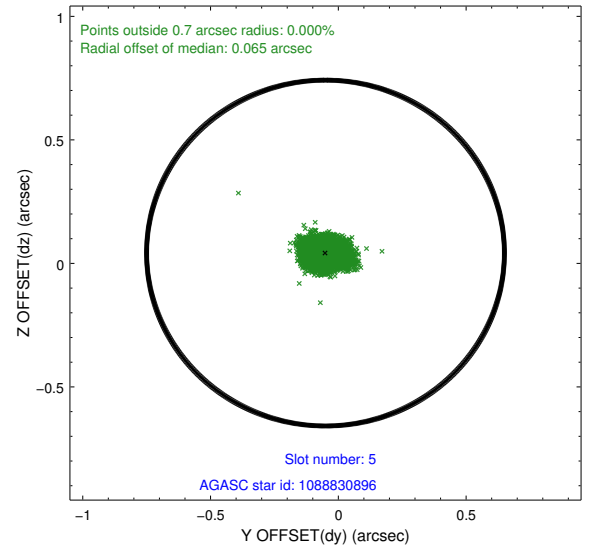
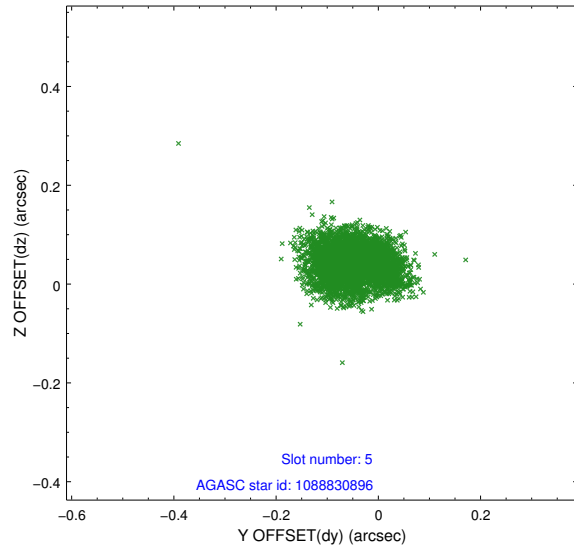
2.4.1 Slot 3



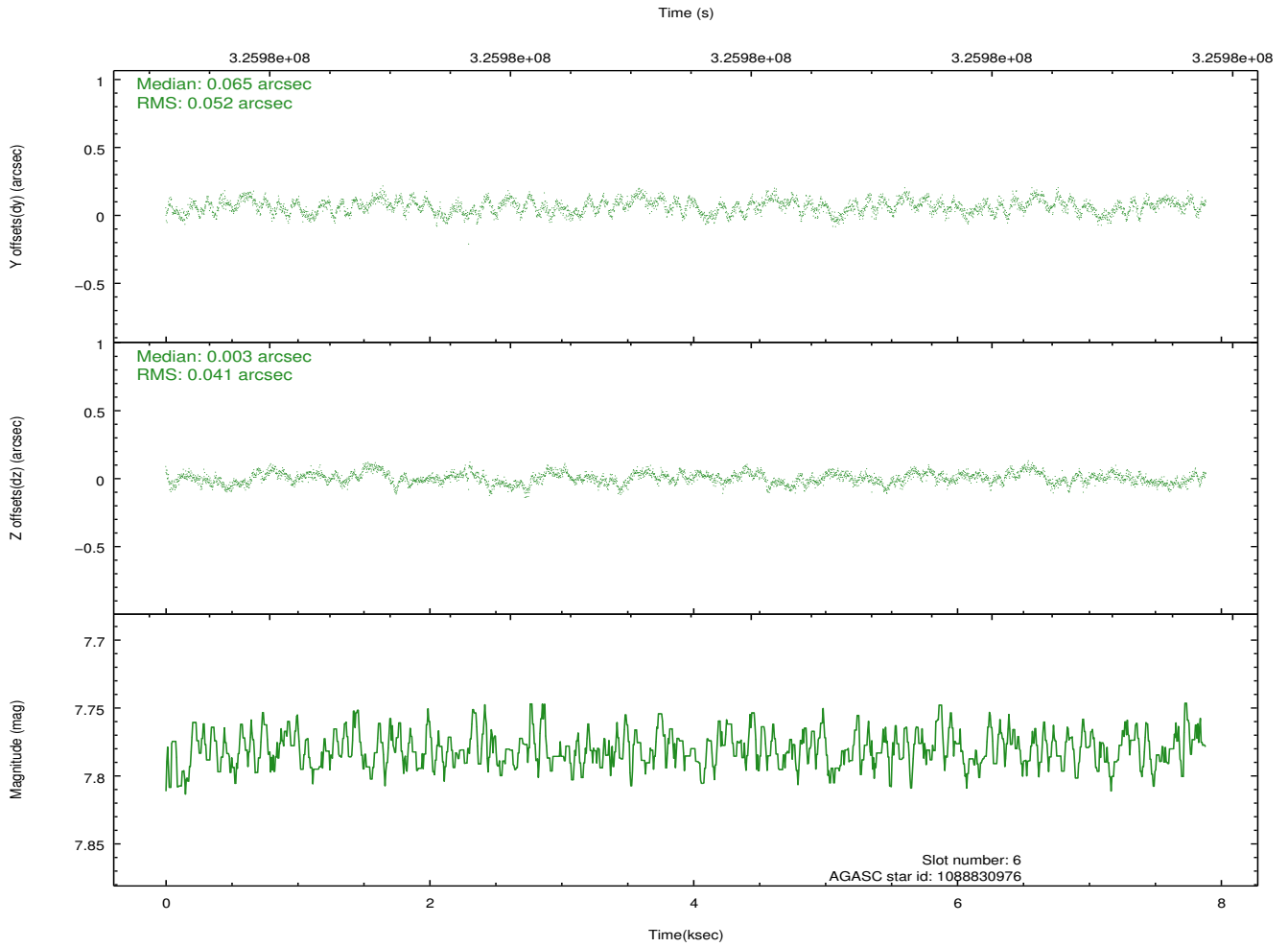
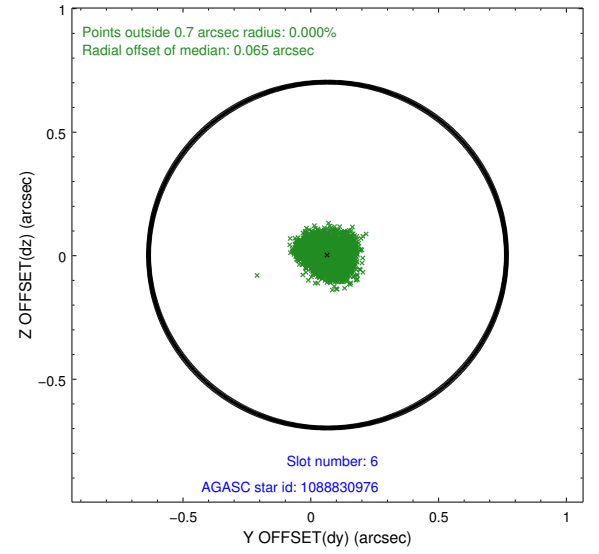
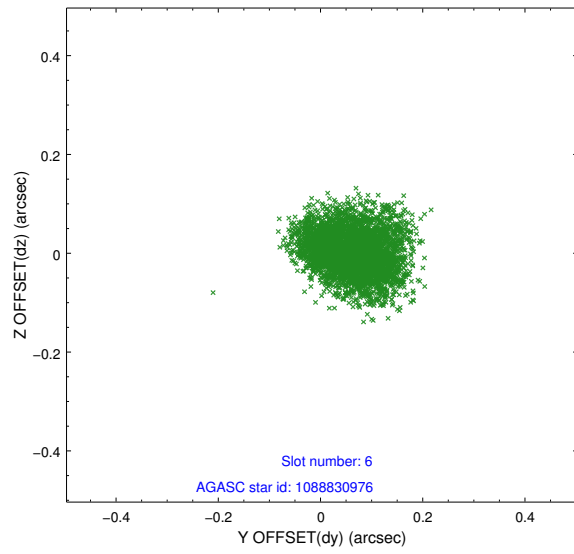
2.4.2 Slot 4



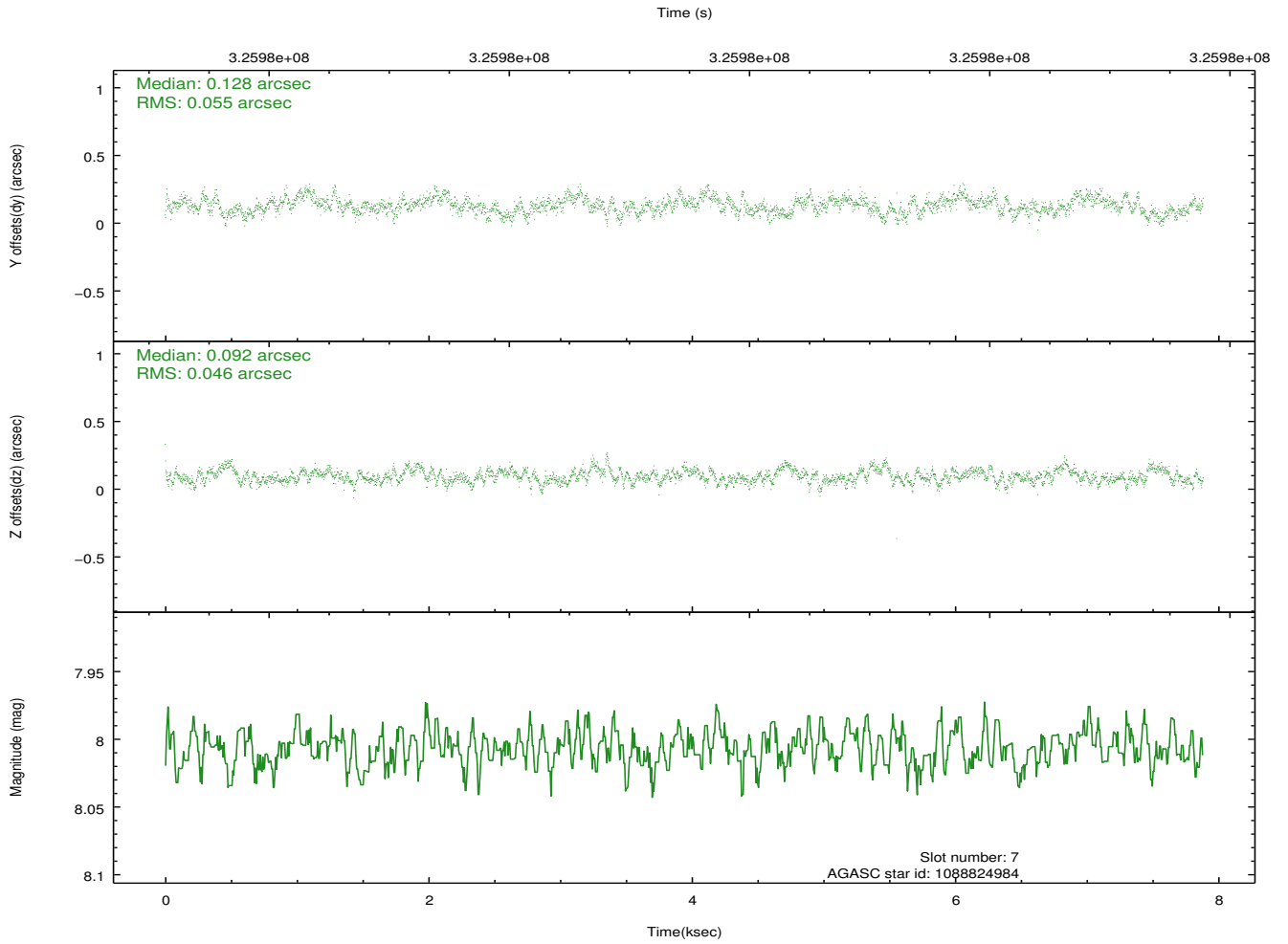
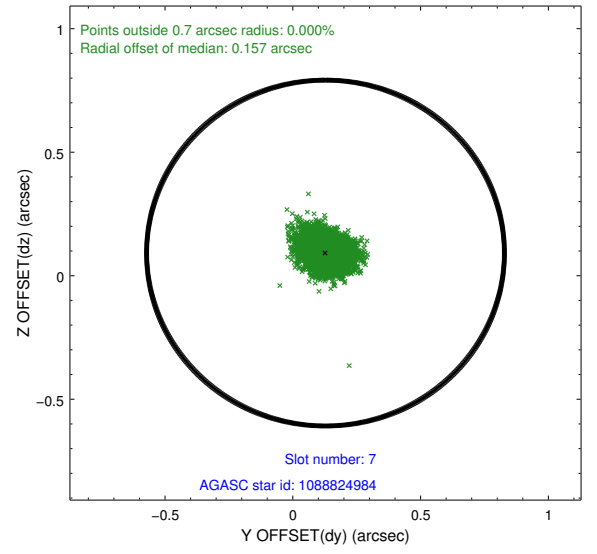
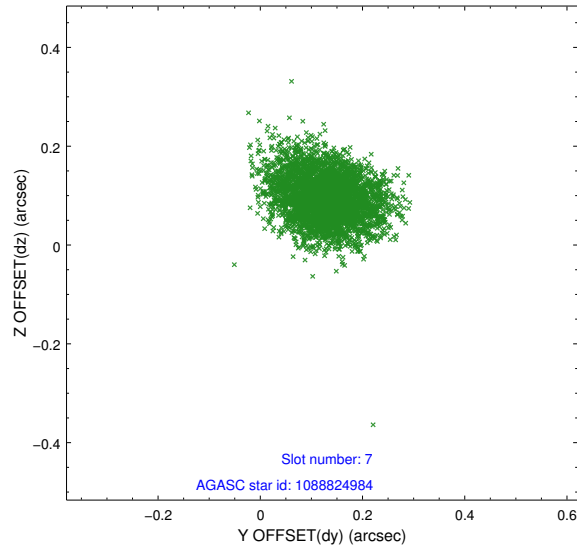
2.4.3 Slot 5



2.4.4 Slot 6

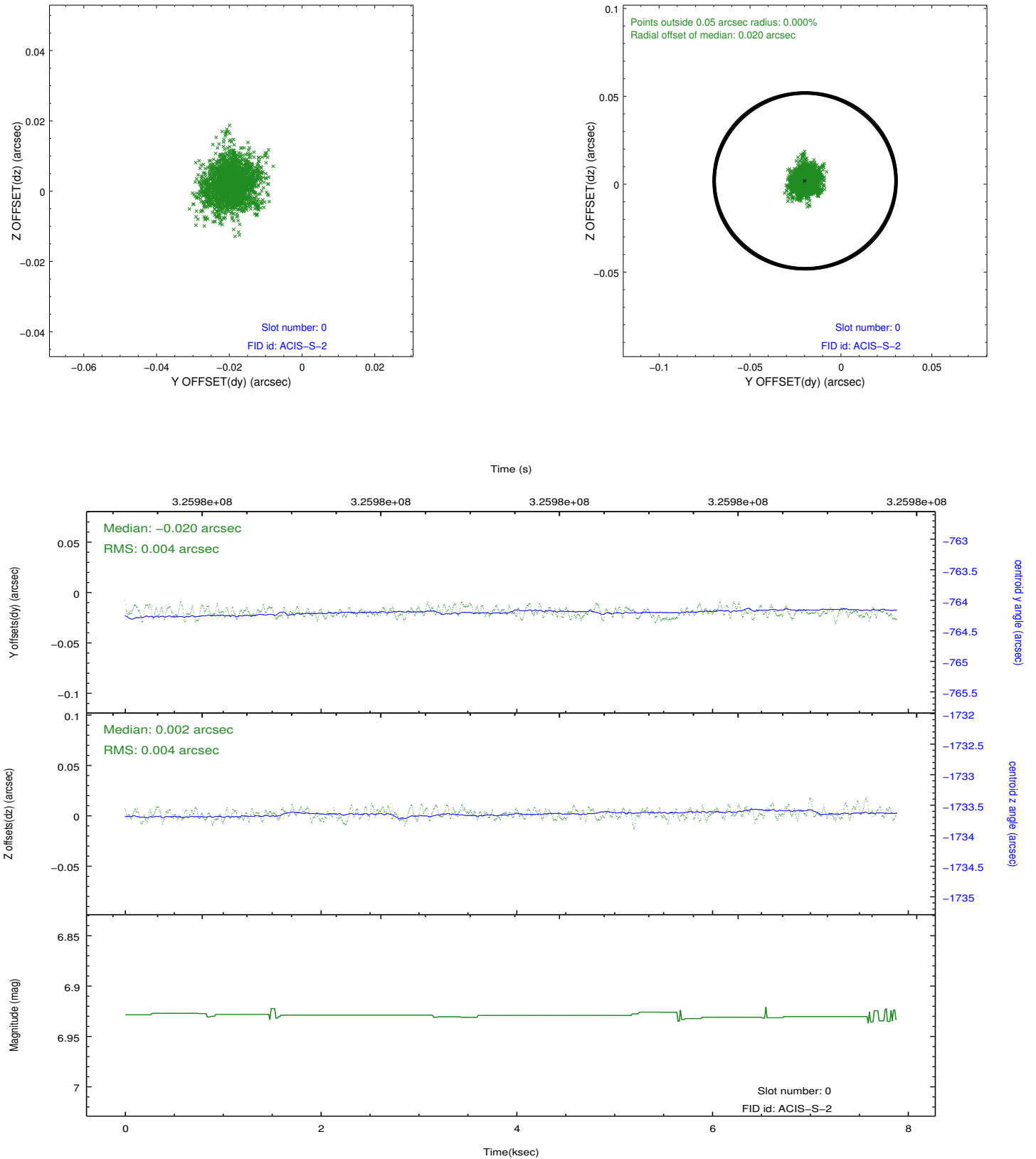


2.4.5 Slot 7

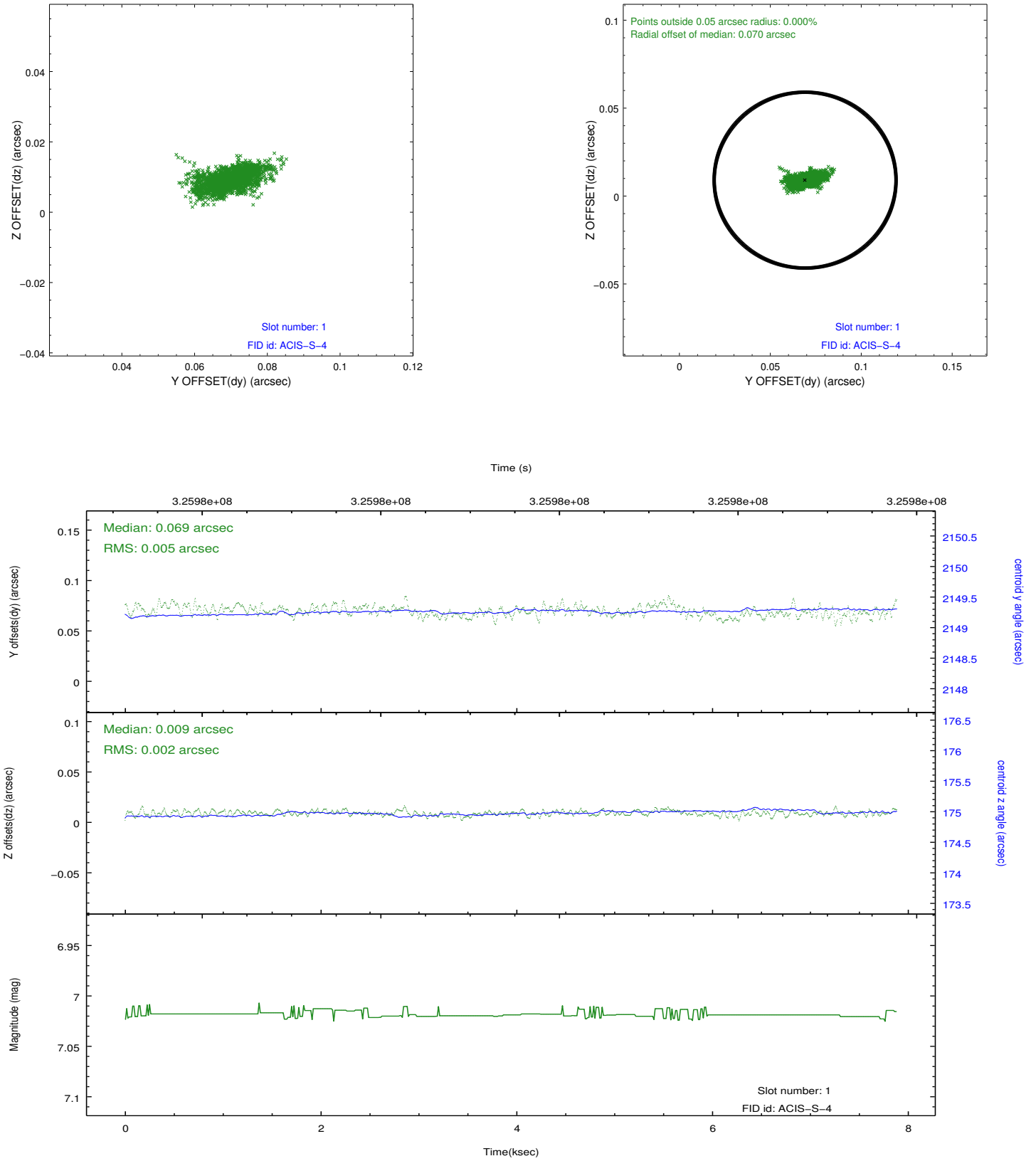


2.5 FID Slots

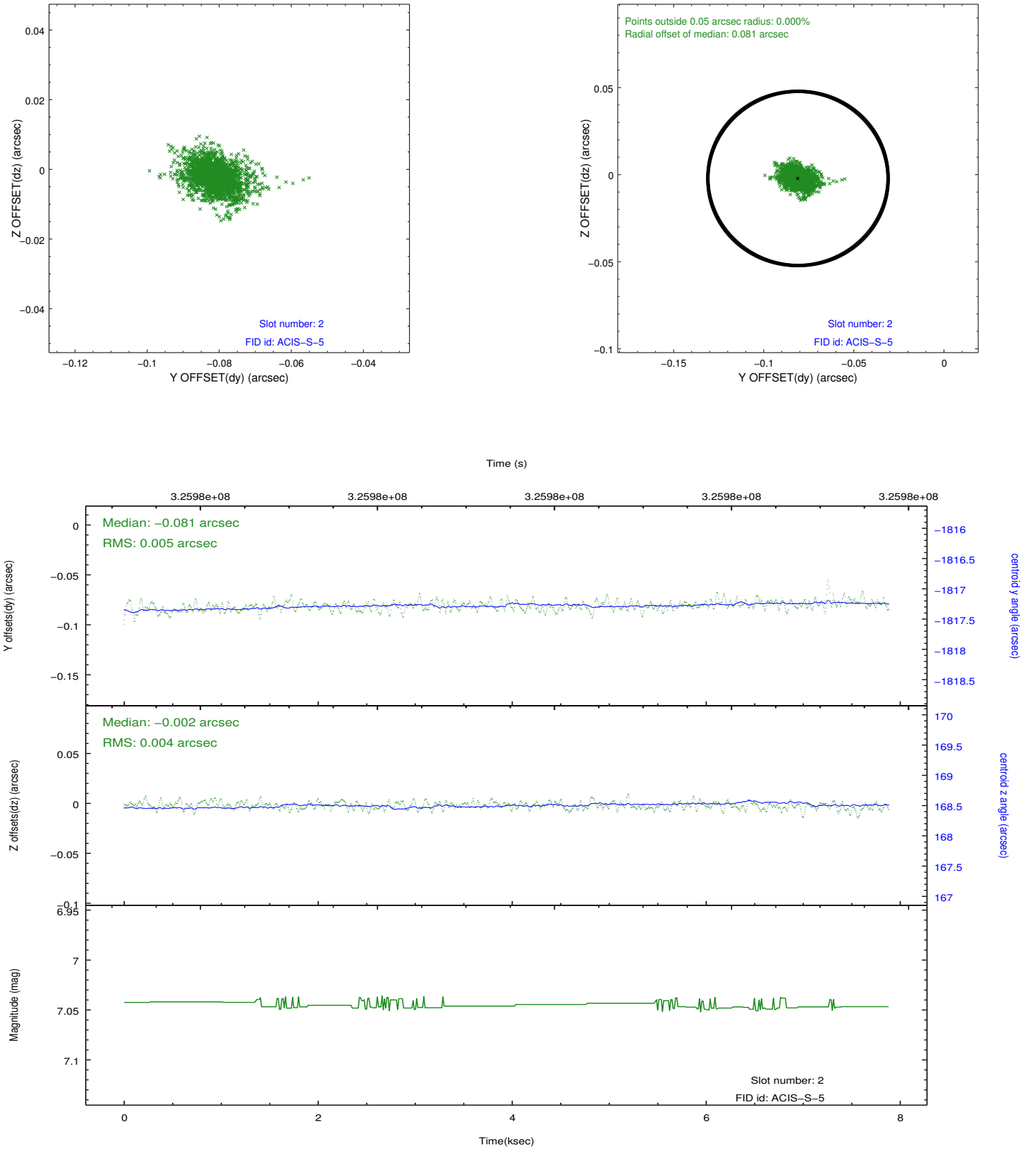
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.87519997

A.2 Comments