

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 15268 - L2 Version 1
Chandra X-Ray Center

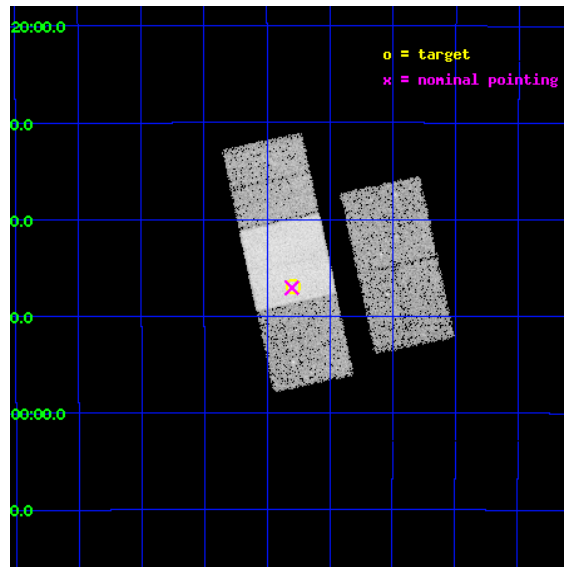
L2 Processing Date : Aug 14 2012

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1 Front

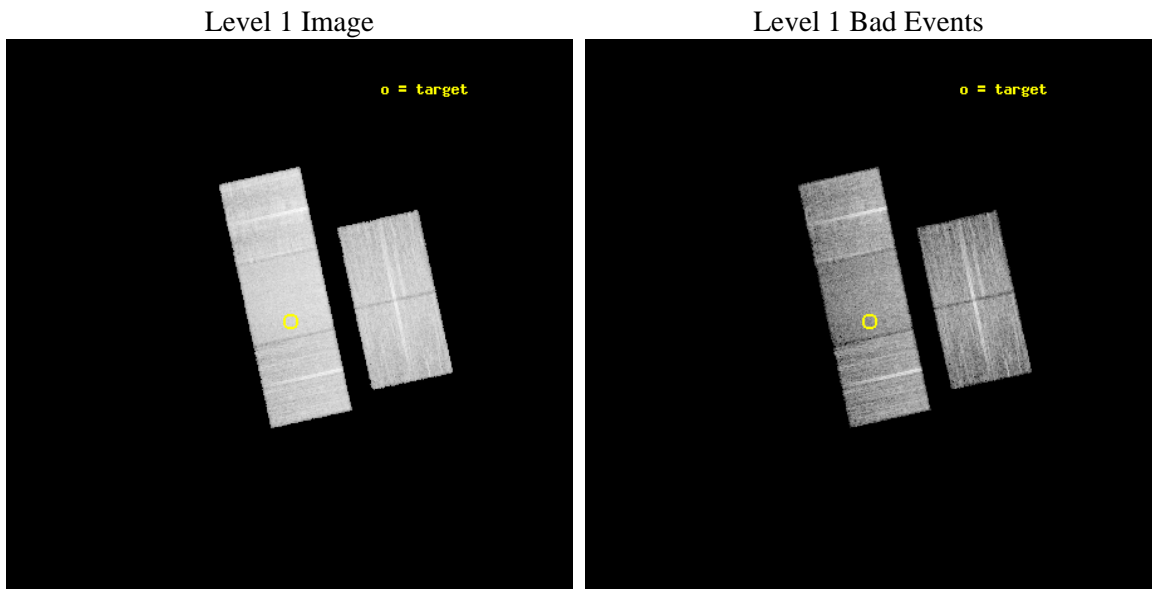
seq_num	502021	Sequence number
obs_id	15268	Observation id
title	The outflow geometry of the short GRB 120804A	Proposal title
observer	Eleonora Troja	Principal investigator
object	GRB 120804A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	233.947917	Observer's specified target RA [deg]
dec_targ	-28.782417	Observer's specified target Dec [deg]
ra_nom	233.95039138097	Nominal RA [deg]
dec_nom	-28.784551690804	Nominal Dec [deg]
roll_nom	257.69105005133	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20068.815076232	Sum of GTIs [s]
livetime	19806.601232814	Livetime [s]
ontime2	20056.08705461	Sum of GTIs [s]
ontime3	20068.732996225	Sum of GTIs [s]
ontime6	20065.633045971	Sum of GTIs [s]
ontime7	20068.815076232	Sum of GTIs [s]
ontime8	20068.691956222	Sum of GTIs [s]
l2events	103999	Number of level 2 events



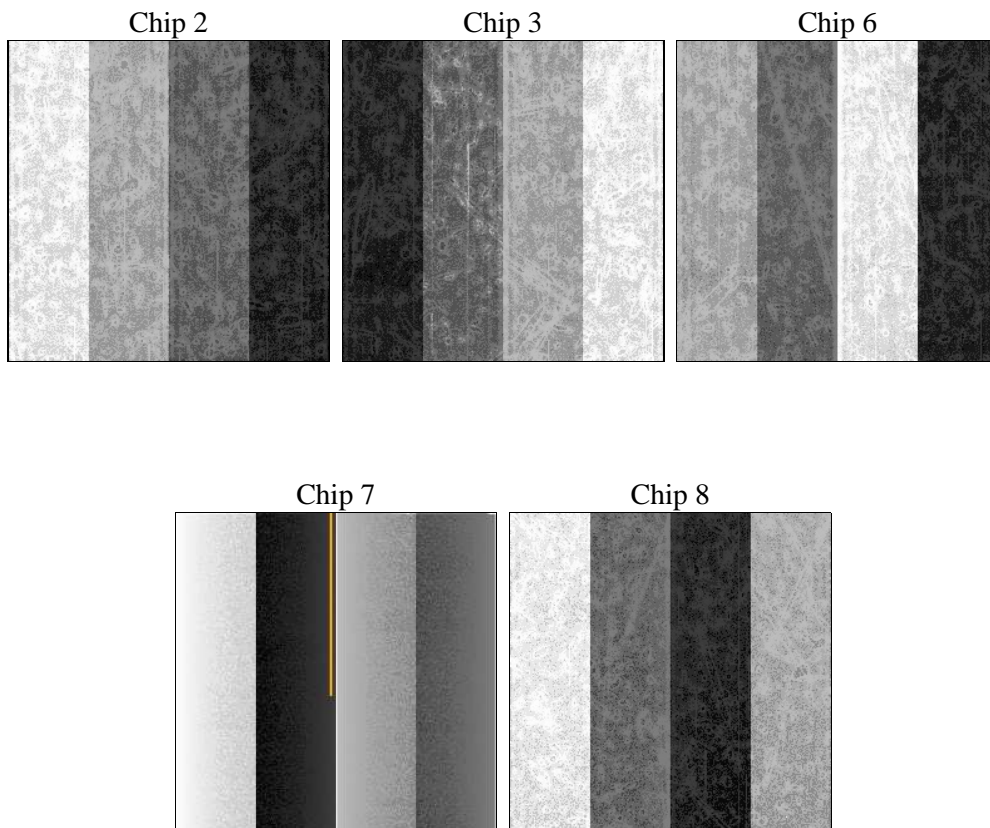
2 OBI

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	20068.815076232	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	20056.08705461	Sum of GTIs [s]
date	2012-08-14T03:51:49	Date and time of file creation	ontime3	20068.732996225	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	20065.633045971	Sum of GTIs [s]
			ontime7	20068.815076232	Sum of GTIs [s]
			ontime8	20068.691956222	Sum of GTIs [s]
			l1events	577520	Number of level 1 events

2.1.4 Events

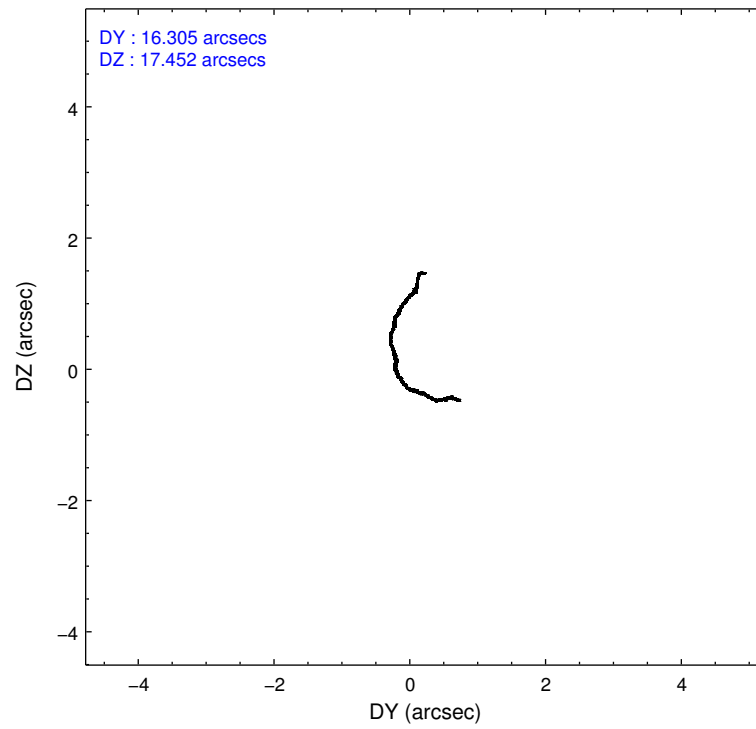
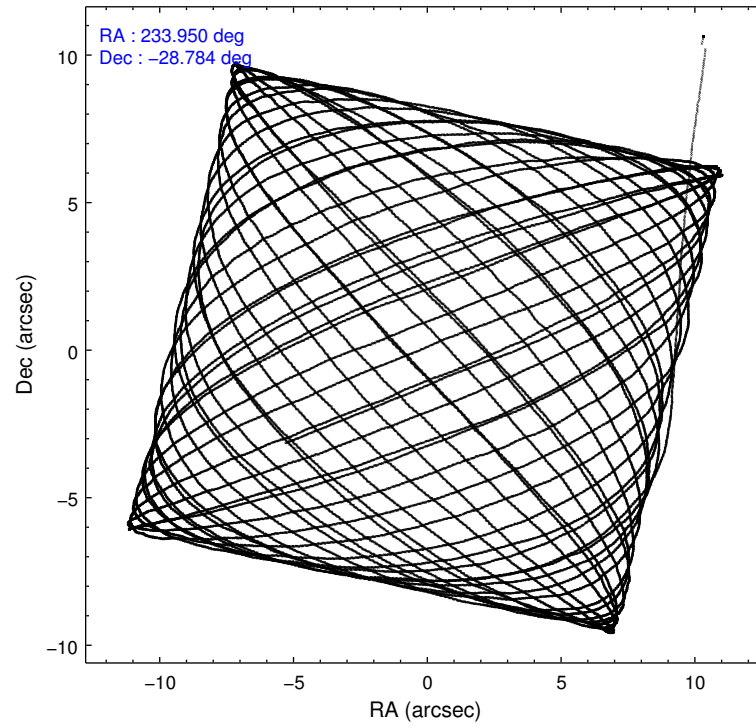
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	98290	99886	105357	136199	137788
rejected events	86311	88128	92557	76366	100855
rejected %	87%	88%	87%	56%	73%

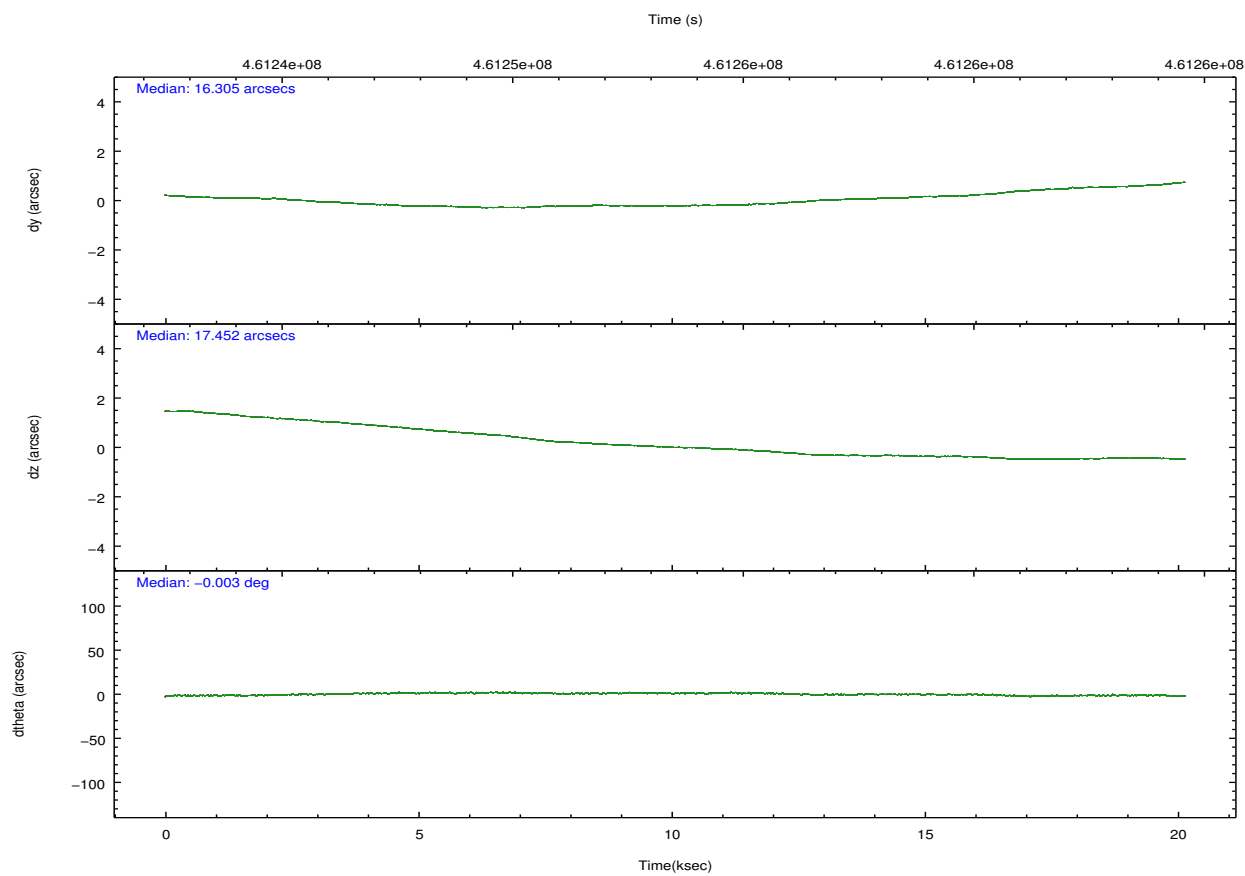
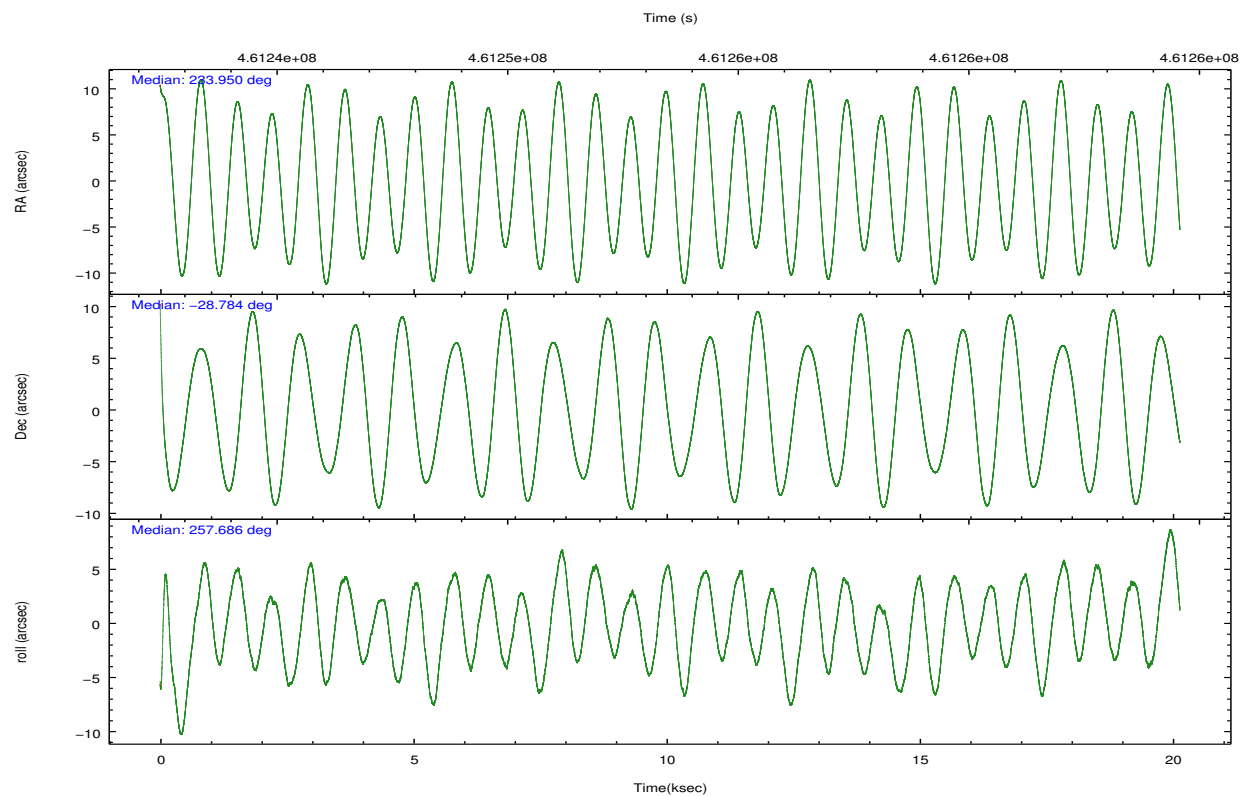
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4436	4481	4826	5440	11327
	4%	4%	4%	3%	8%
grade 1 events	60	60	68	162	96
	0%	0%	0%	0%	0%
grade 2 events	2895	2524	2686	12292	8529
	2%	2%	2%	9%	6%
grade 3 events	1189	1220	1240	5254	3667
	1%	1%	1%	3%	2%
grade 4 events	1276	1210	1252	5125	3614
	1%	1%	1%	3%	2%
grade 5 events	4173	5309	5275	14127	7487
	4%	5%	5%	10%	5%
grade 6 events	2183	2327	2800	31739	9802
	2%	2%	2%	23%	7%
grade 7 events	82078	82755	87210	62060	93266
	83%	82%	82%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	233.940482	233.9503913809679	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.758615	-28.78455169080433	CCD I3 on	O1	Y
[deg] Pointing Roll	257.529657	257.6910500513258	CCD S0 on	N	N
[s] Window start time (MET)	461116867.184000	461116867.184000	CCD S1 on	N	N
[s] Window stop time (MET)	461289667.184000	461289667.184000	CCD S2 on	Y	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S3 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S4 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S5 on	N	N
[mm] SIM translation stage offset	0	0.01005778216563158	Number of optional ACIS chips dropped	0	0
[s] Observation start time (MET)	461243582.184000	461242328.48924	On-chip summing requested	N	N
Observation start date	2012-08-13T11:11:55	2012-08-13T10:52:08	Subarray requested	NONE	NONE
[s] Observation end time (MET)	461263582.184000	461264385.46542	Alternating exposures requested	N	N
Observation end date	2012-08-13T16:45:15	2012-08-13T16:59:45	[s] Primary exposure time	0.000000	3.1
Read mode	TIMED	TIMED			

2.3 Aspect



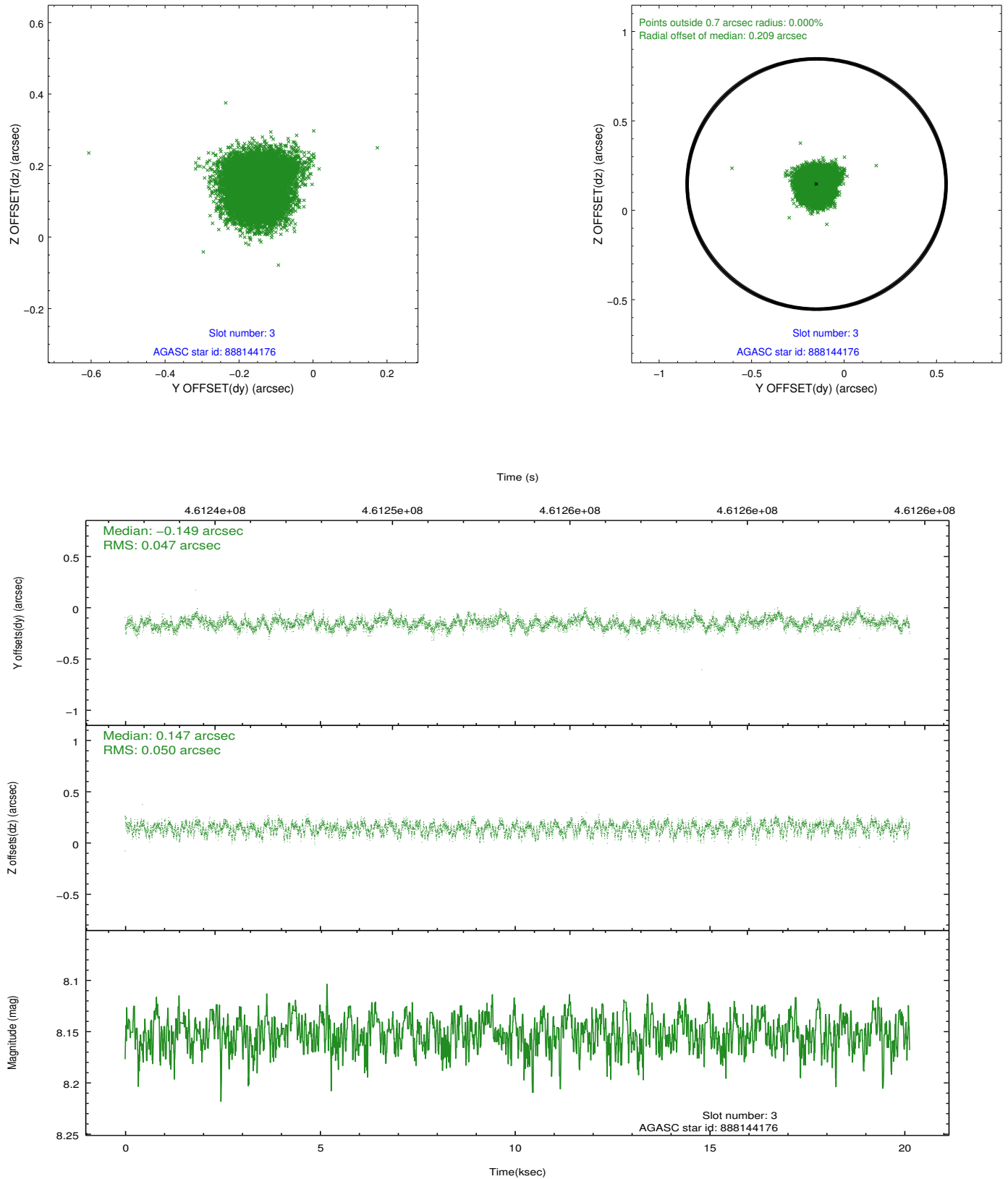


Slot Statistics

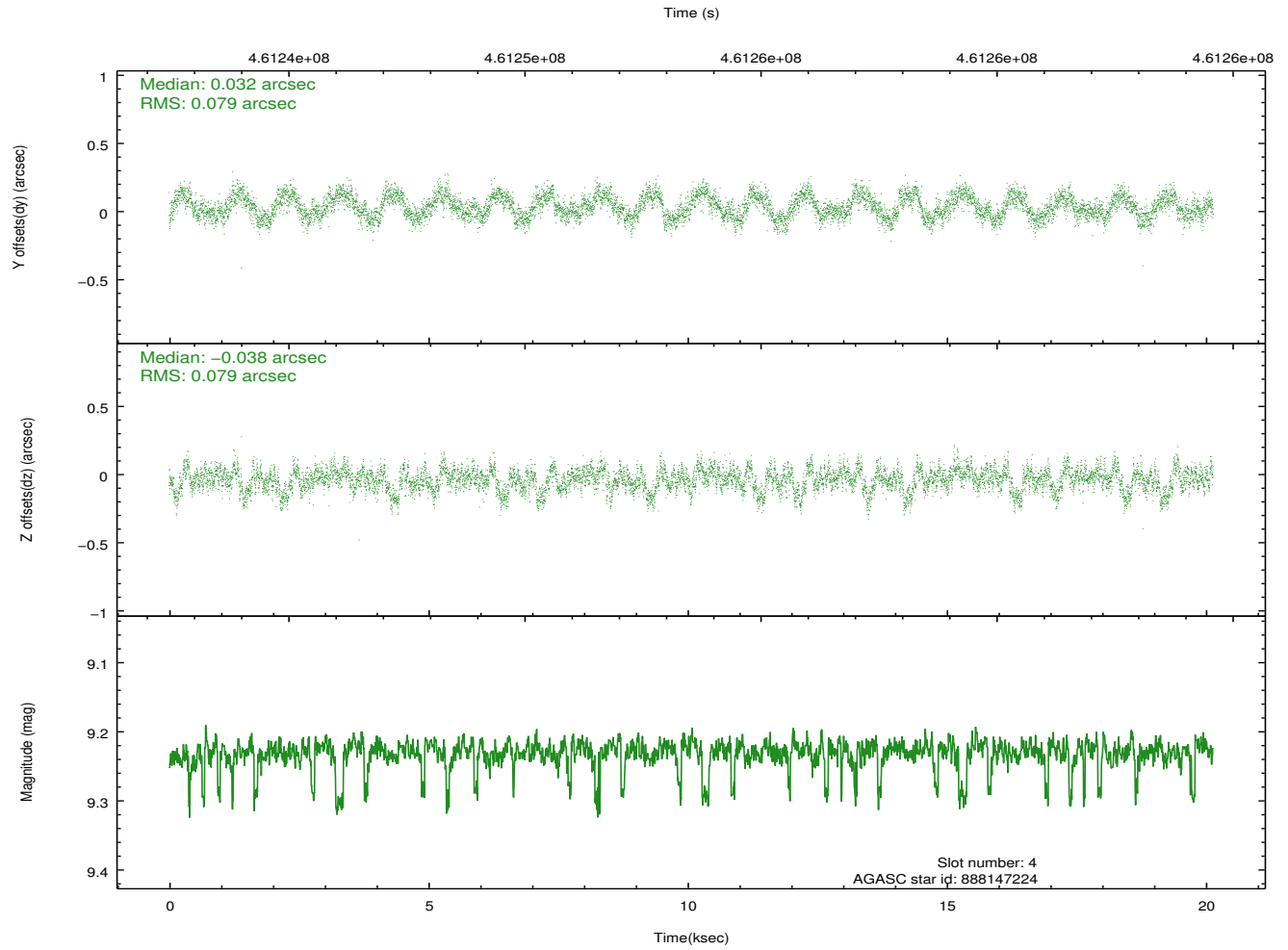
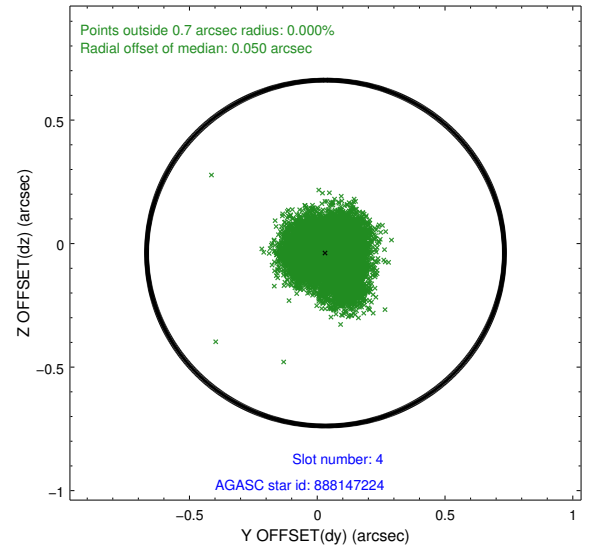
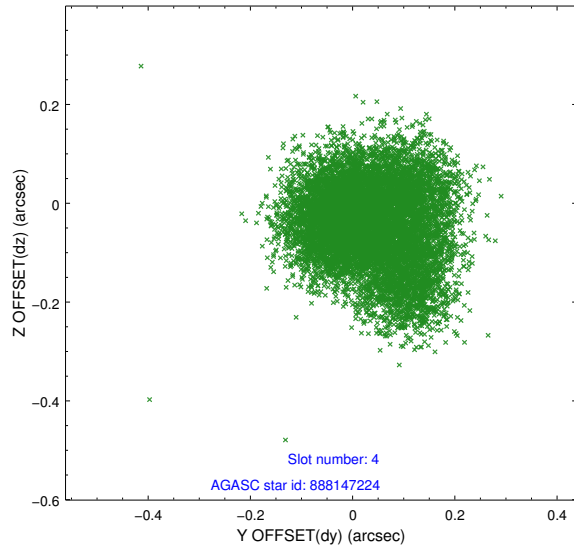
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	4913	-0.095	-0.043	0.016	0.024	0.000000	0.000000	-769.49	-1739.07
1	FID	ACIS-S-4	7.01	4913	0.204	0.057	0.010	0.016	0.000000	0.000000	2144.05	169.24
2	FID	ACIS-S-5	7.03	4913	-0.140	-0.006	0.011	0.016	0.000000	0.000000	-1822.09	163.16
3	GUIDE	888144176	8.15	9826	-0.149	0.147	0.074	0.114	233.930350	-28.207569	-1928.80	-460.16
4	GUIDE	888147224	9.23	9807	0.032	-0.038	0.121	0.190	233.669855	-28.899799	681.59	-722.74
5	GUIDE	888148696	8.55	9822	0.185	-0.050	0.099	0.162	233.694809	-28.697386	-46.31	-804.90
6	GUIDE	888148808	9.30	9795	0.108	-0.063	0.124	0.217	234.197980	-29.193066	1353.42	1128.29
7	GUIDE	889850352	9.09	9819	-0.190	0.009	0.097	0.153	234.790606	-28.366065	-1952.07	2326.50

2.4 Star Slots

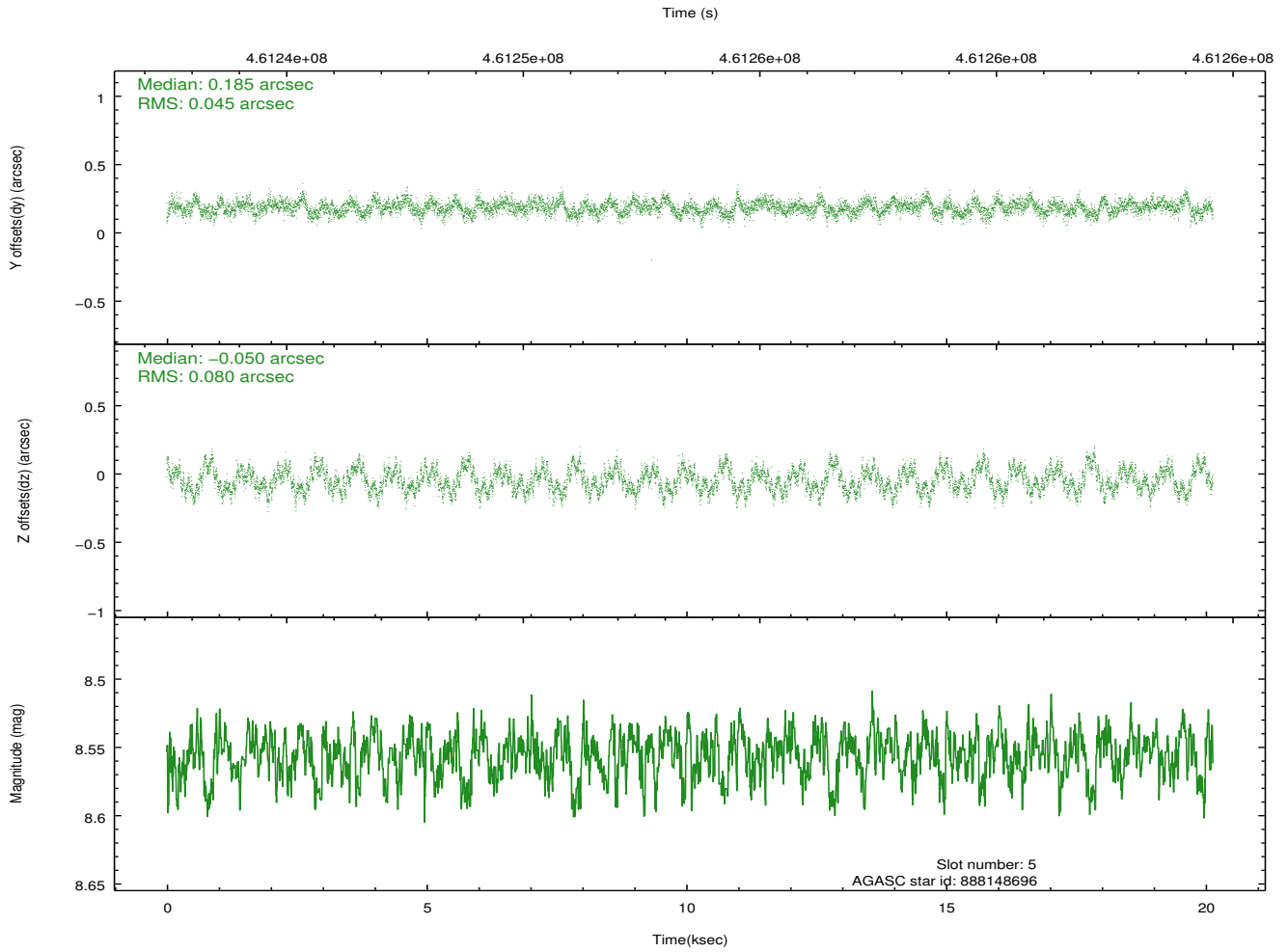
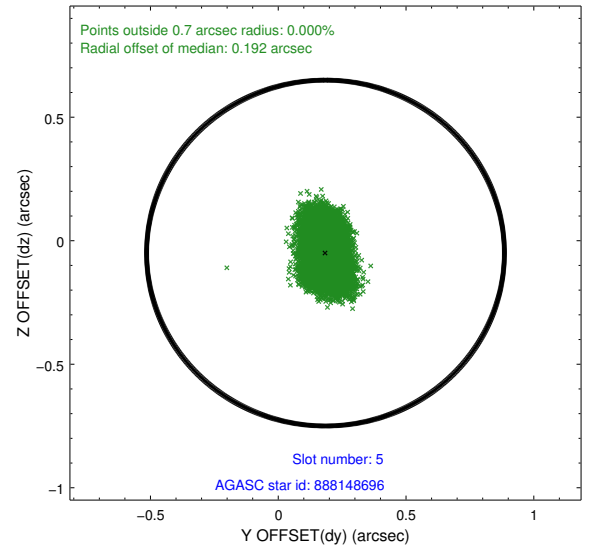
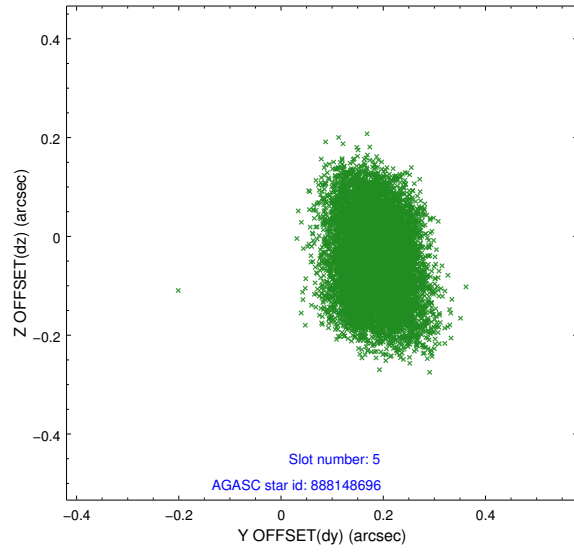
2.4.1 Slot 3



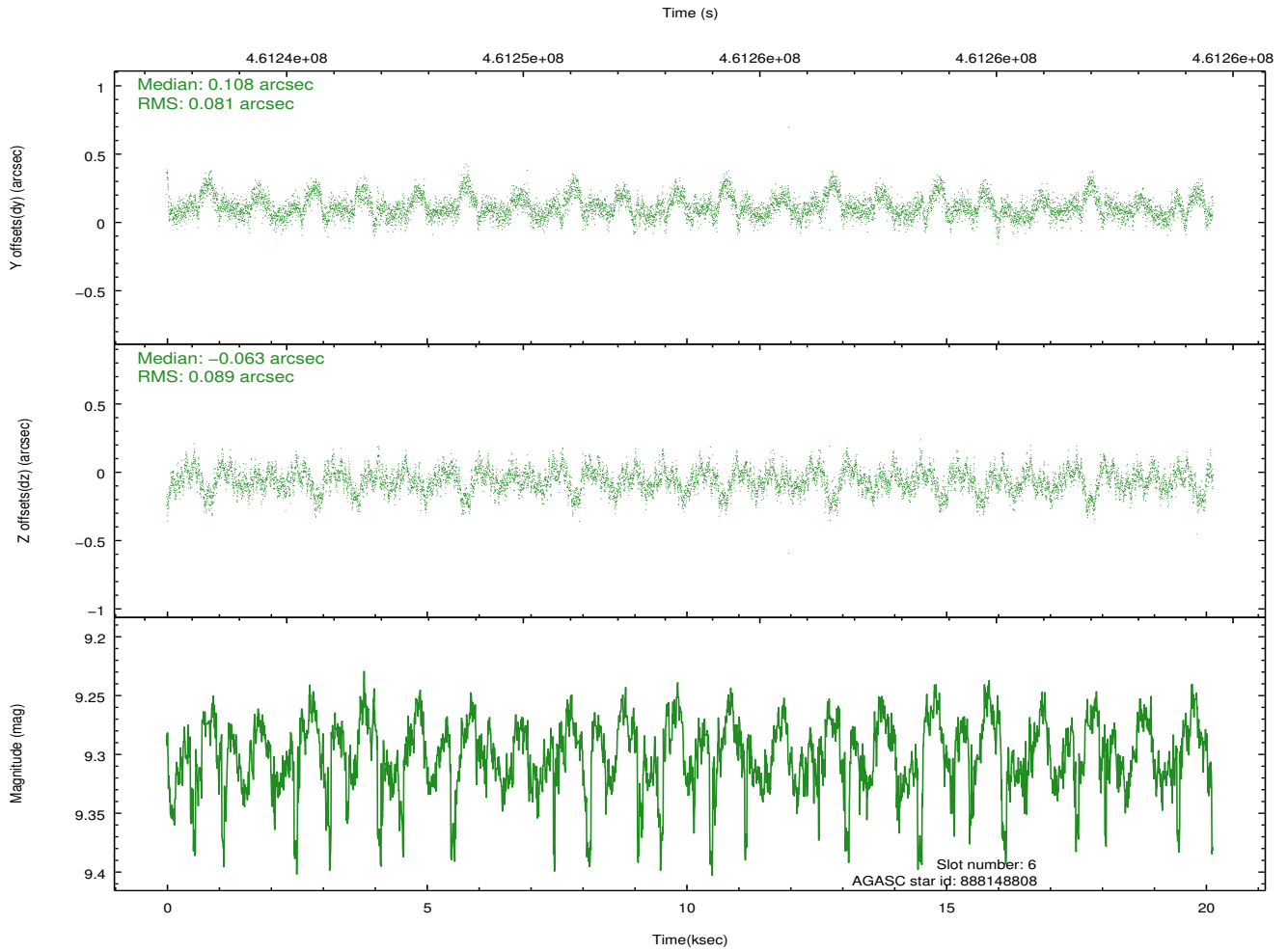
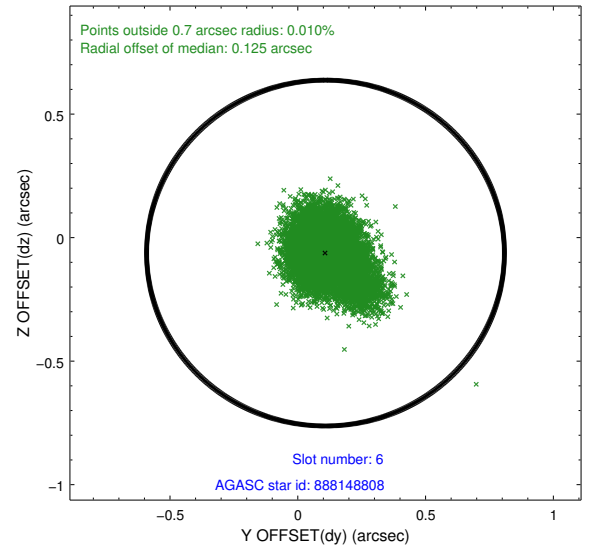
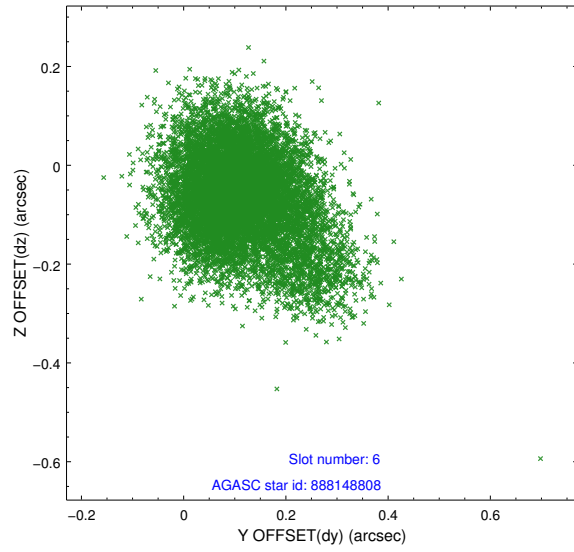
2.4.2 Slot 4



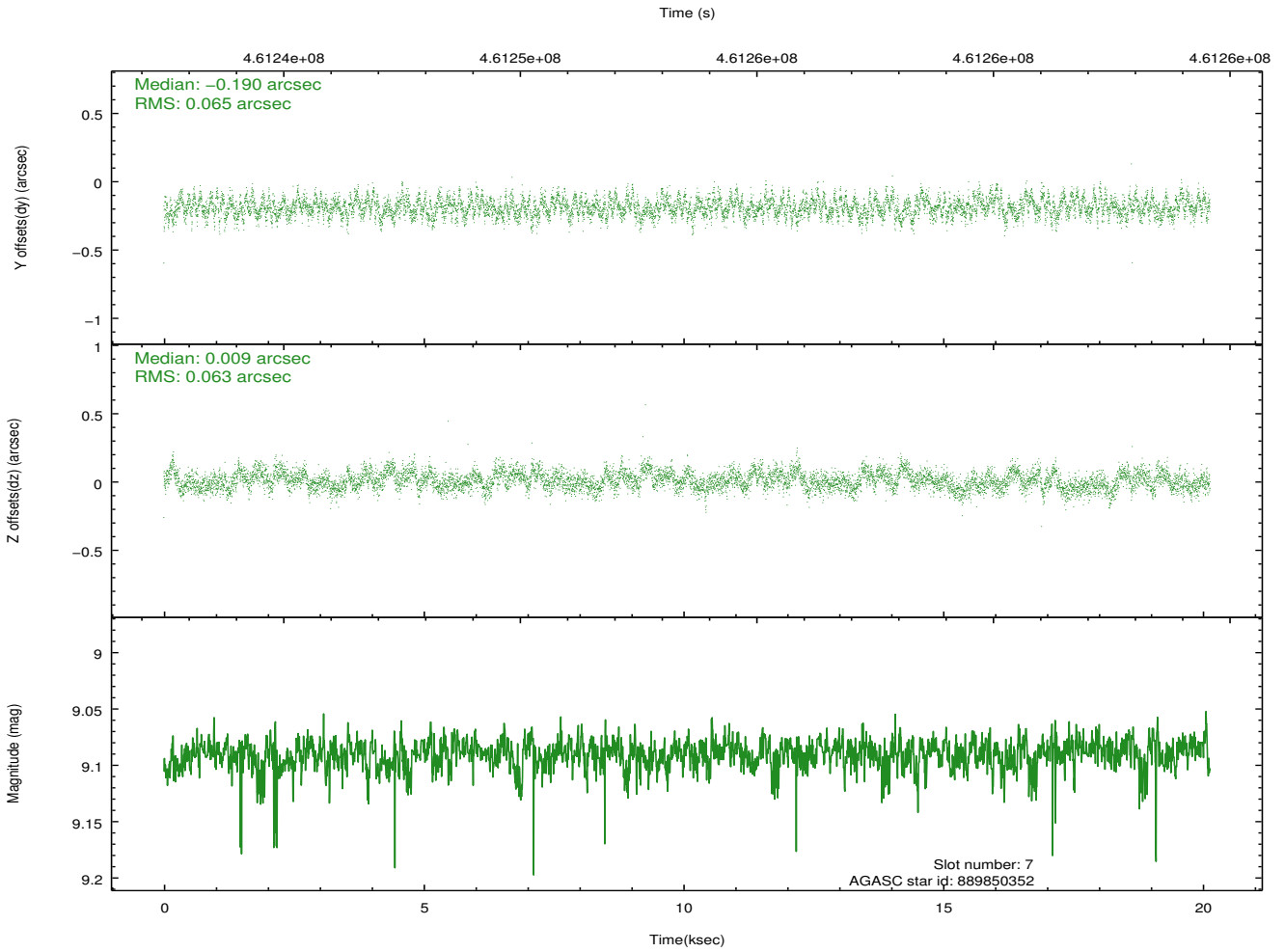
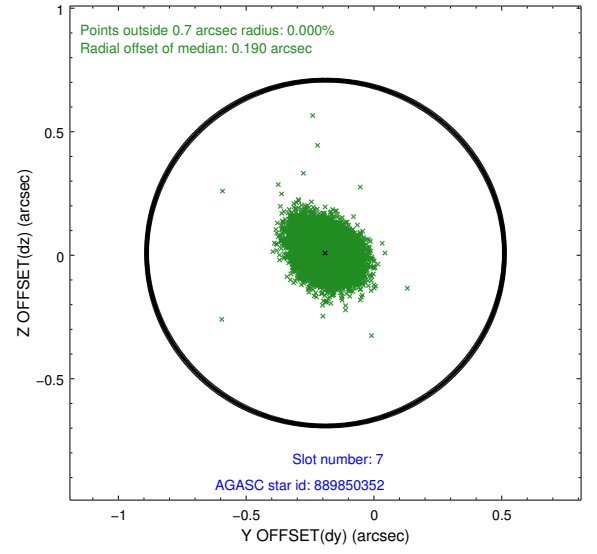
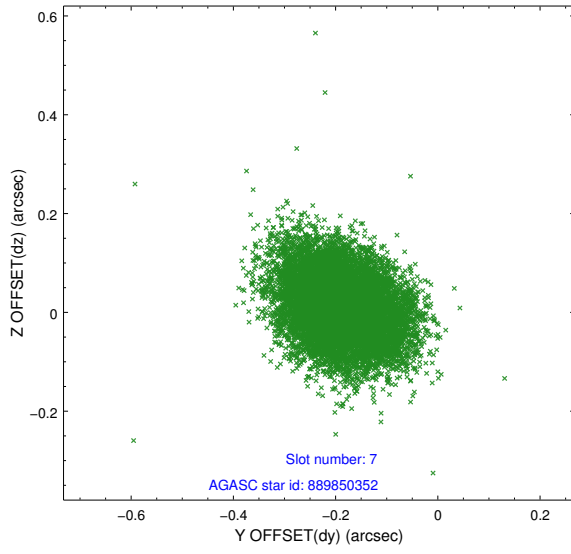
2.4.3 Slot 5



2.4.4 Slot 6

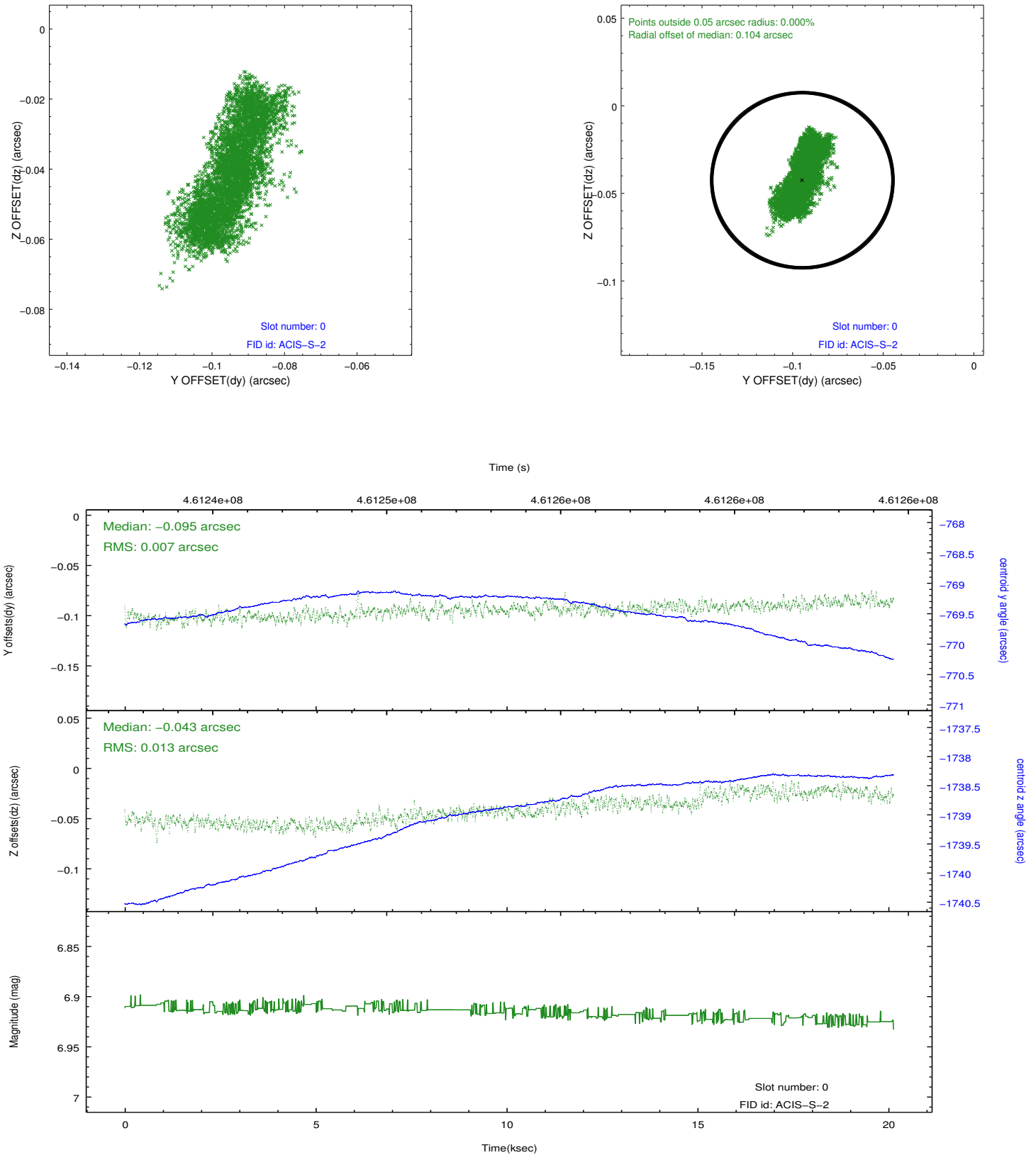


2.4.5 Slot 7

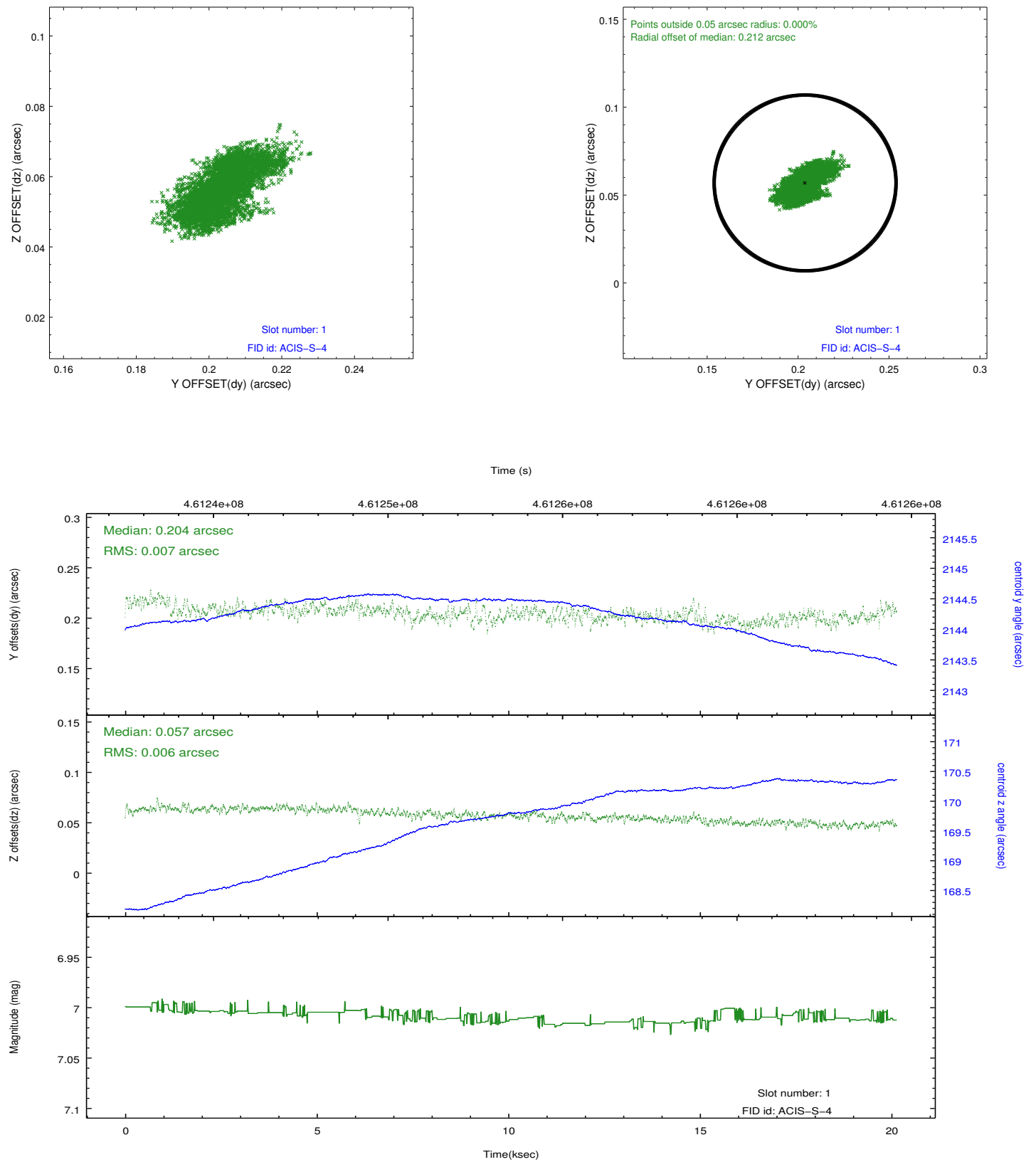


2.5 FID Slots

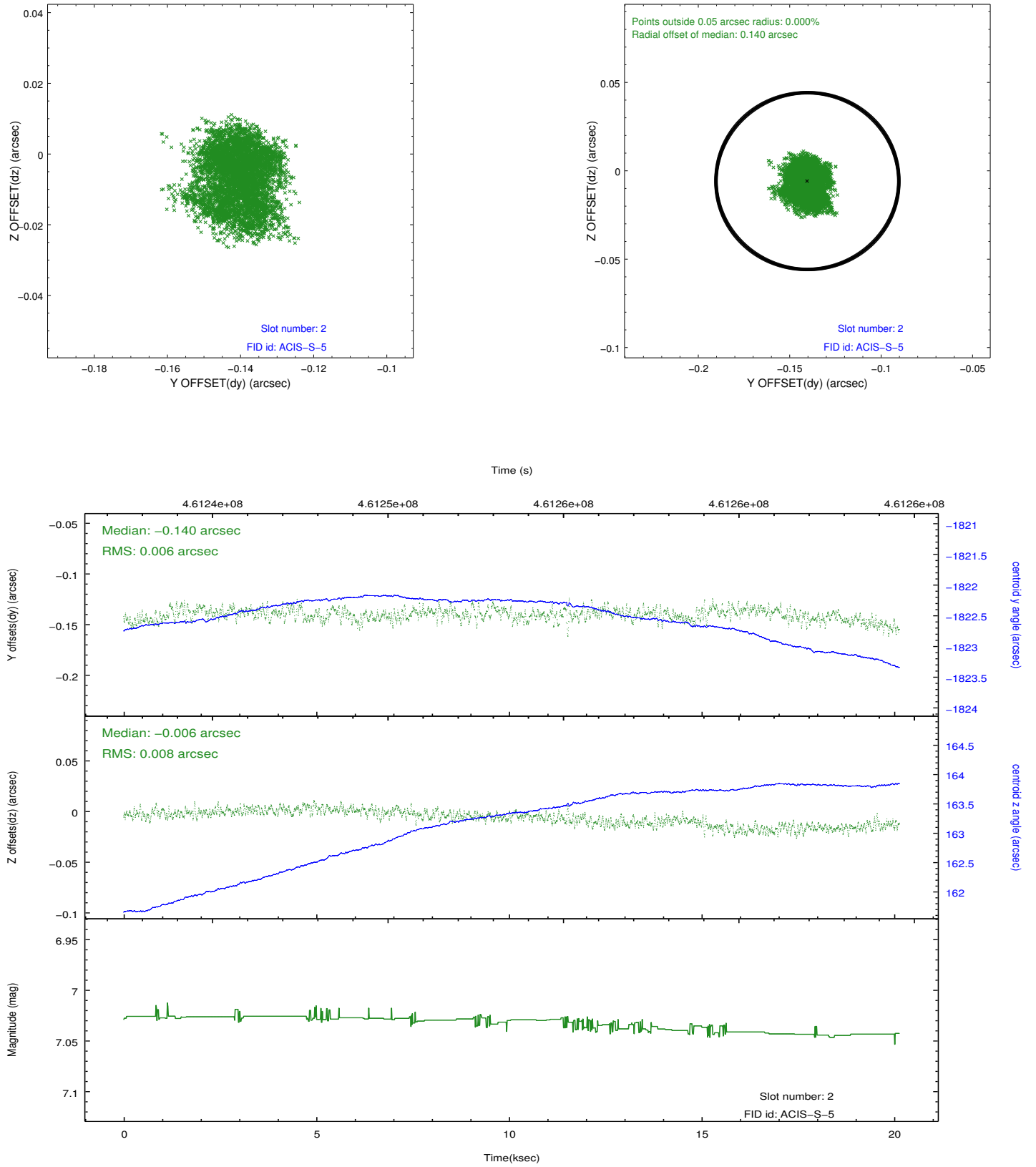
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.068815076232

A.2 Comments