

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3913 - L2 Version 001
Chandra X-Ray Center

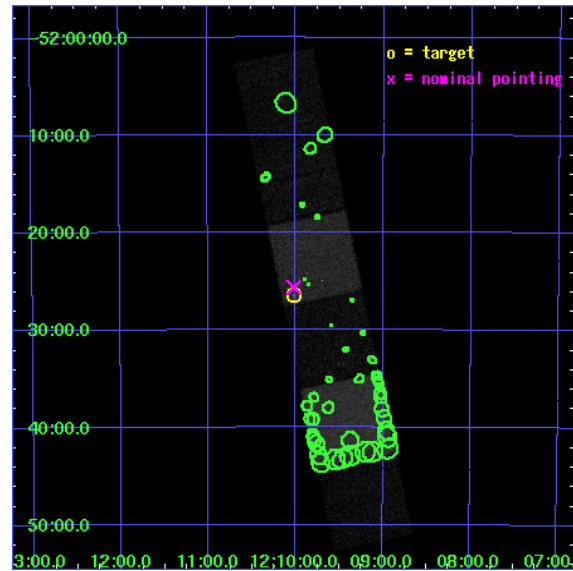
L2 Processing Date : Aug 6 2006

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1 Front

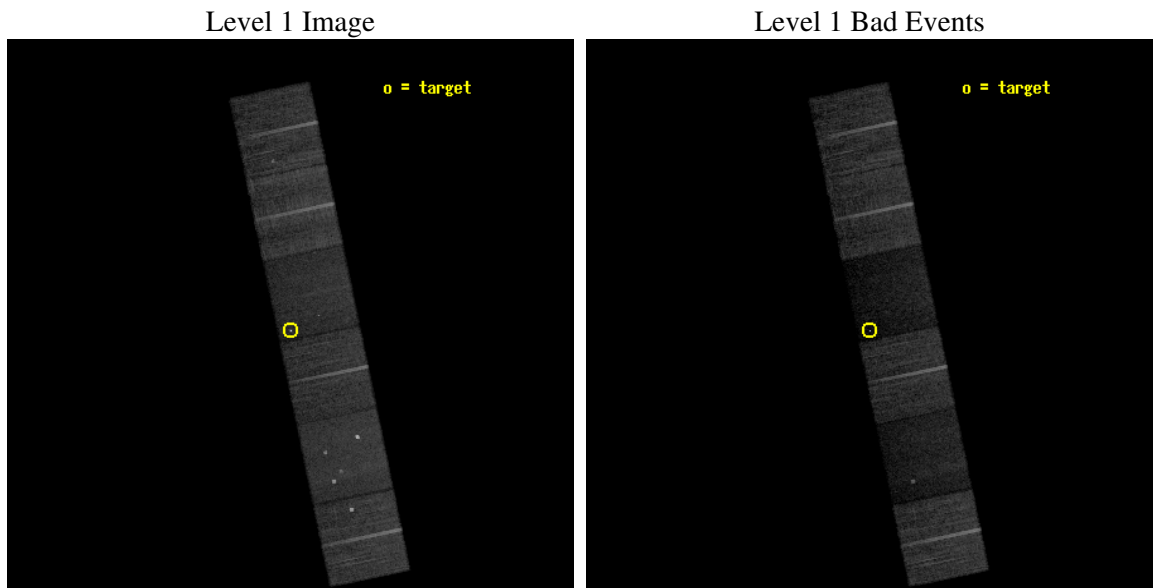
seq_num	500392
obs_id	3913
title	FIRST MEASUREMENT OF THE GRAVITATIONAL REDSHIFT AT THE SURFACE OF A NEUTRON STAR
observer	Dr. George Pavlov
object	1E 1207.4-5209
dtcycle	0
cycle	P
ra_targ	182.503333
dec_targ	-52.440306
ra_nom	182.50494200898
dec_nom	-52.427579235758
roll_nom	258.15792102302
revision	2
ontime	20009.599925458
livetime	19756.226322868
ontime4	20009.599925458
ontime5	20009.599925458
ontime6	20009.599925458
ontime7	20009.599925458
ontime8	20009.599925458
ontime9	20009.599925458
l2events	133517



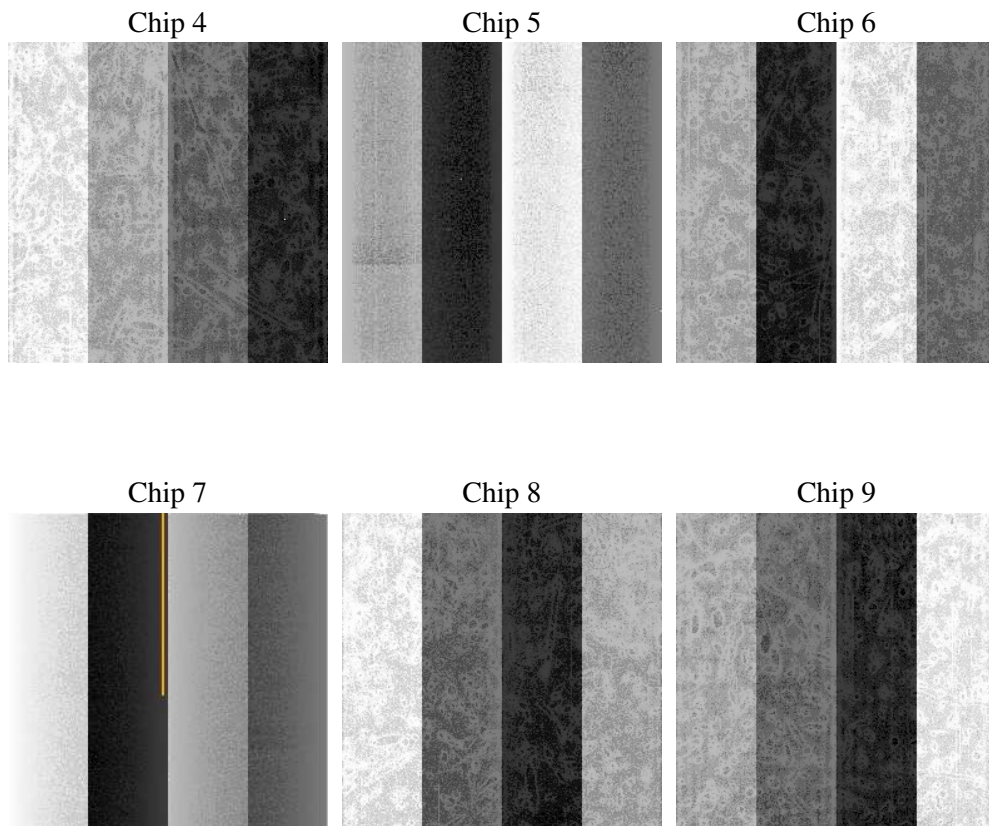
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-07T01:28:18
revision	2

sched_exp_time	20000.000000
ontime	20016.421450704
ontime4	20016.421430796
ontime5	20016.421450704
ontime6	20016.421430796
ontime7	20016.421450704
ontime8	20016.421430796
ontime9	20016.421430796
l1events	595837

2.1.4 Events

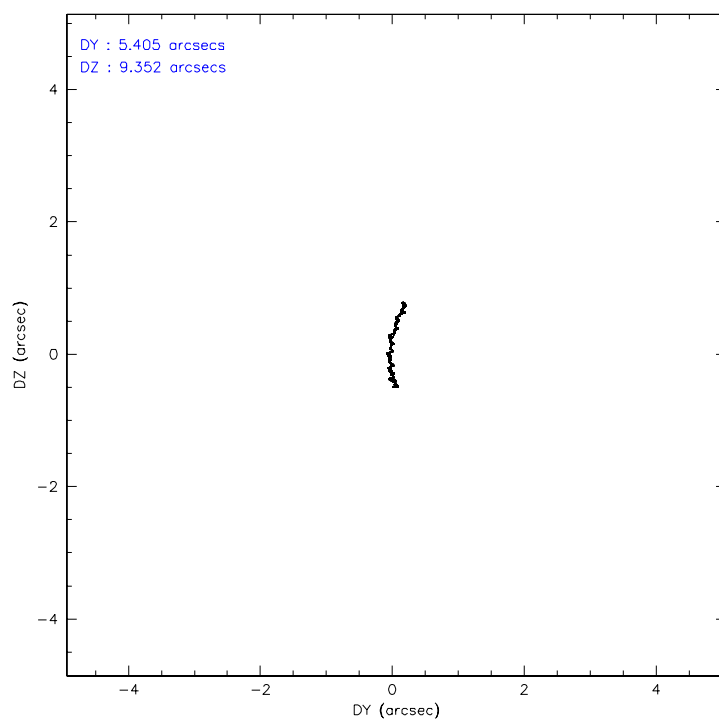
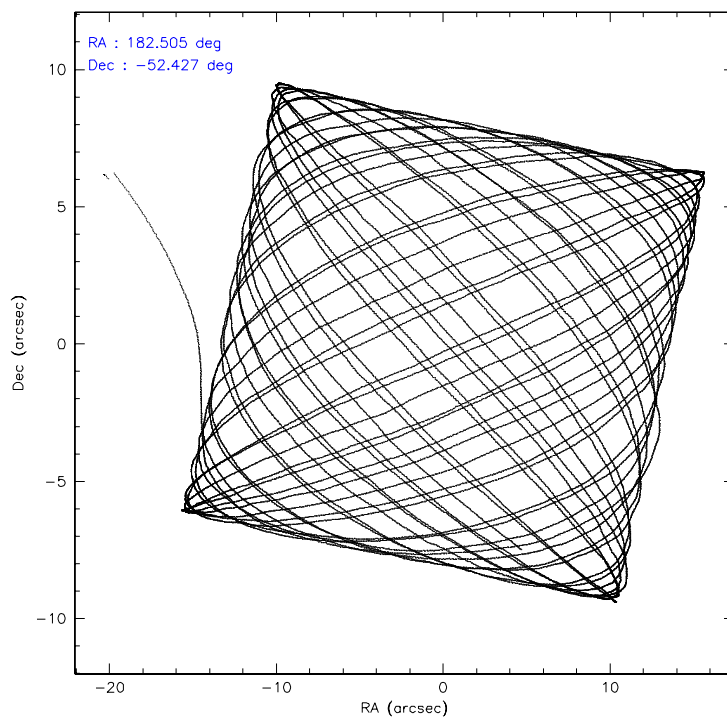
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	111789	102942	93740	79914	115418	92034
rejected events	97258	42932	82005	36597	86408	80403
rejected %	87%	41%	87%	45%	74%	87%

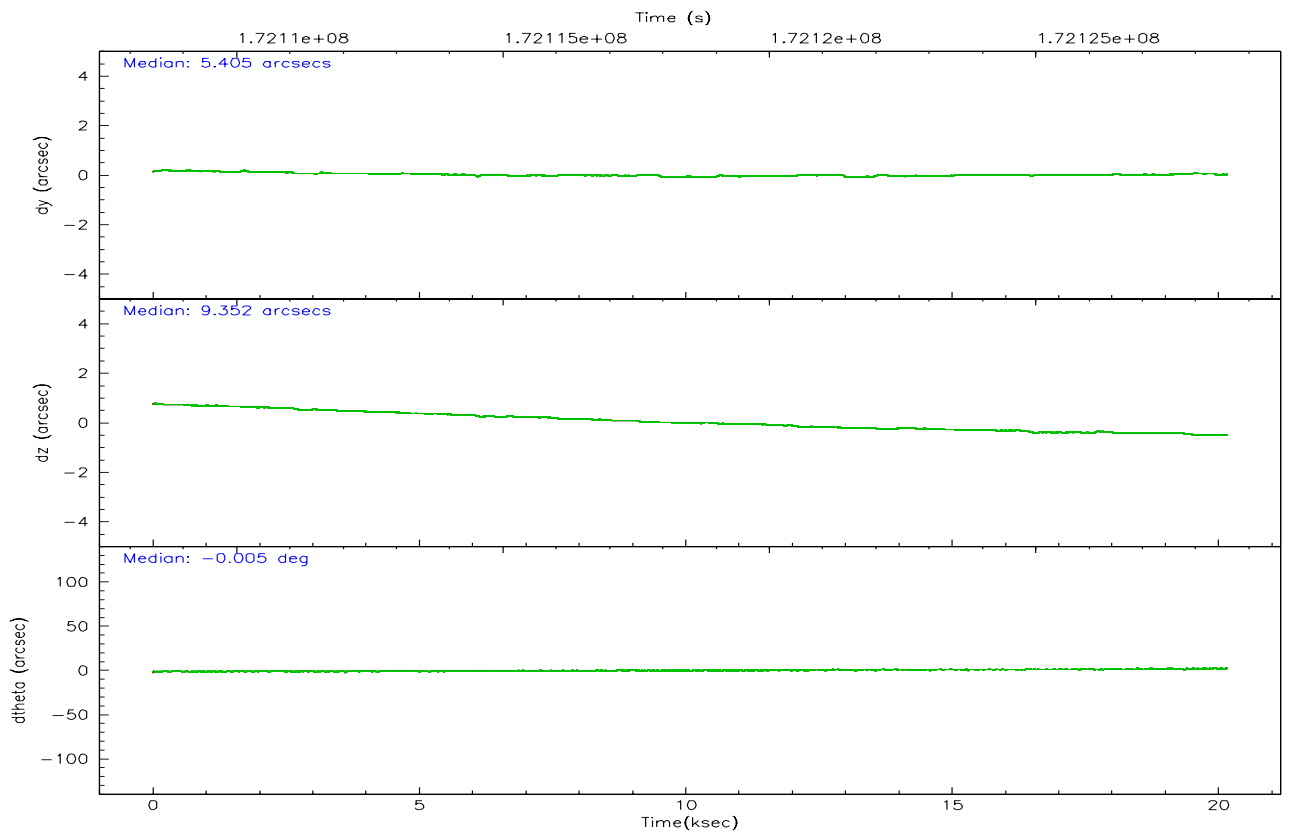
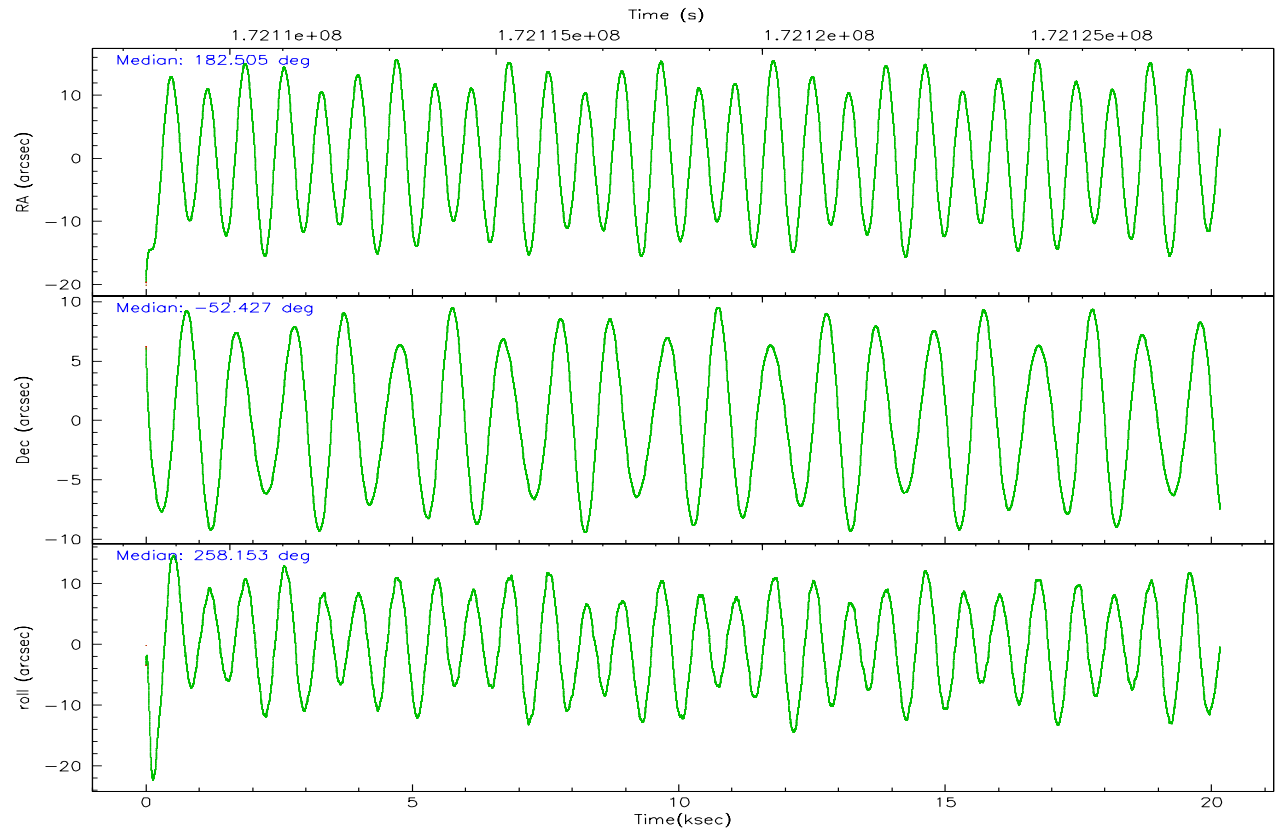
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	7879	10144	4790	4743	8724	4790
	7%	9%	5%	5%	7%	5%
grade 1 events	98	109	45	169	102	45
	0%	0%	0%	0%	0%	0%
grade 2 events	2534	18612	2295	11438	6447	2170
	2%	18%	2%	14%	5%	2%
grade 3 events	1177	1875	1167	3312	3145	1184
	1%	1%	1%	4%	2%	1%
grade 4 events	1138	1766	1131	3143	2922	1149
	1%	1%	1%	3%	2%	1%
grade 5 events	2482	5616	2446	6449	3939	2741
	2%	5%	2%	8%	3%	2%
grade 6 events	1815	27638	2367	20696	7790	2345
	1%	26%	2%	25%	6%	2%
grade 7 events	94666	37182	79499	29964	82349	77610
	84%	36%	84%	37%	71%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	182.490479	182.5049420089829	Alternating exposures requested	N	N
Pointing Dec	-52.401836	-52.42757923575758	Primary exposure time	0.000000	3.2
Pointing Roll	257.989821	258.1579210230188			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.132523	-182.1370004450064			
SIM translation stage offset (mm)	-8	-7.995522138001405			
Observation start time	172108595.184000	172107609.32174			
Observation start date	2003-06-15T23:55:31	2003-06-15T23:40:09			
Observation end time	172128595.184000	172128991.84764			
Observation end date	2003-06-16T05:28:51	2003-06-16T05:36:31			
Read mode	TIMED	TIMED			

2.3 Aspect



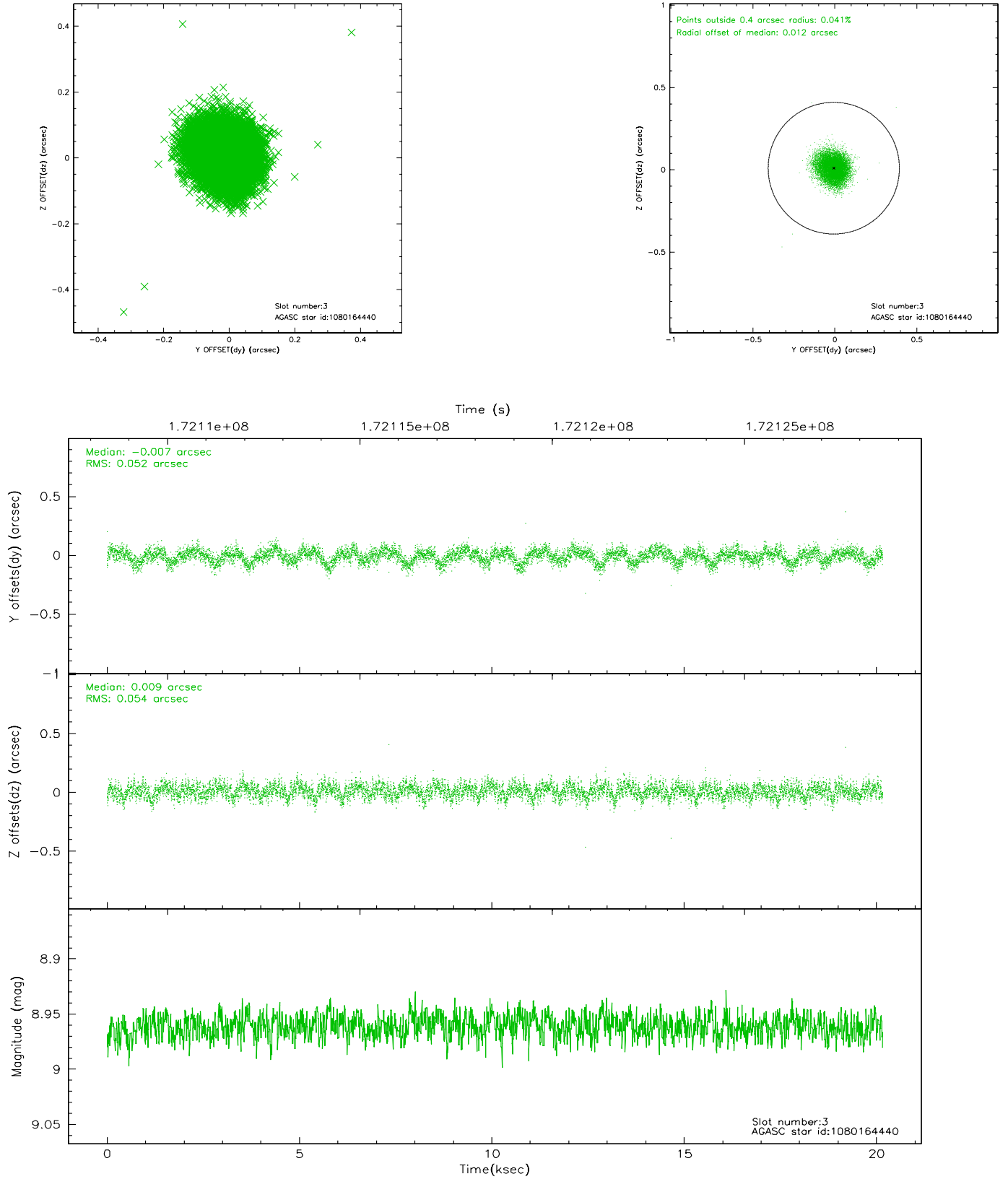


Slot Statistics

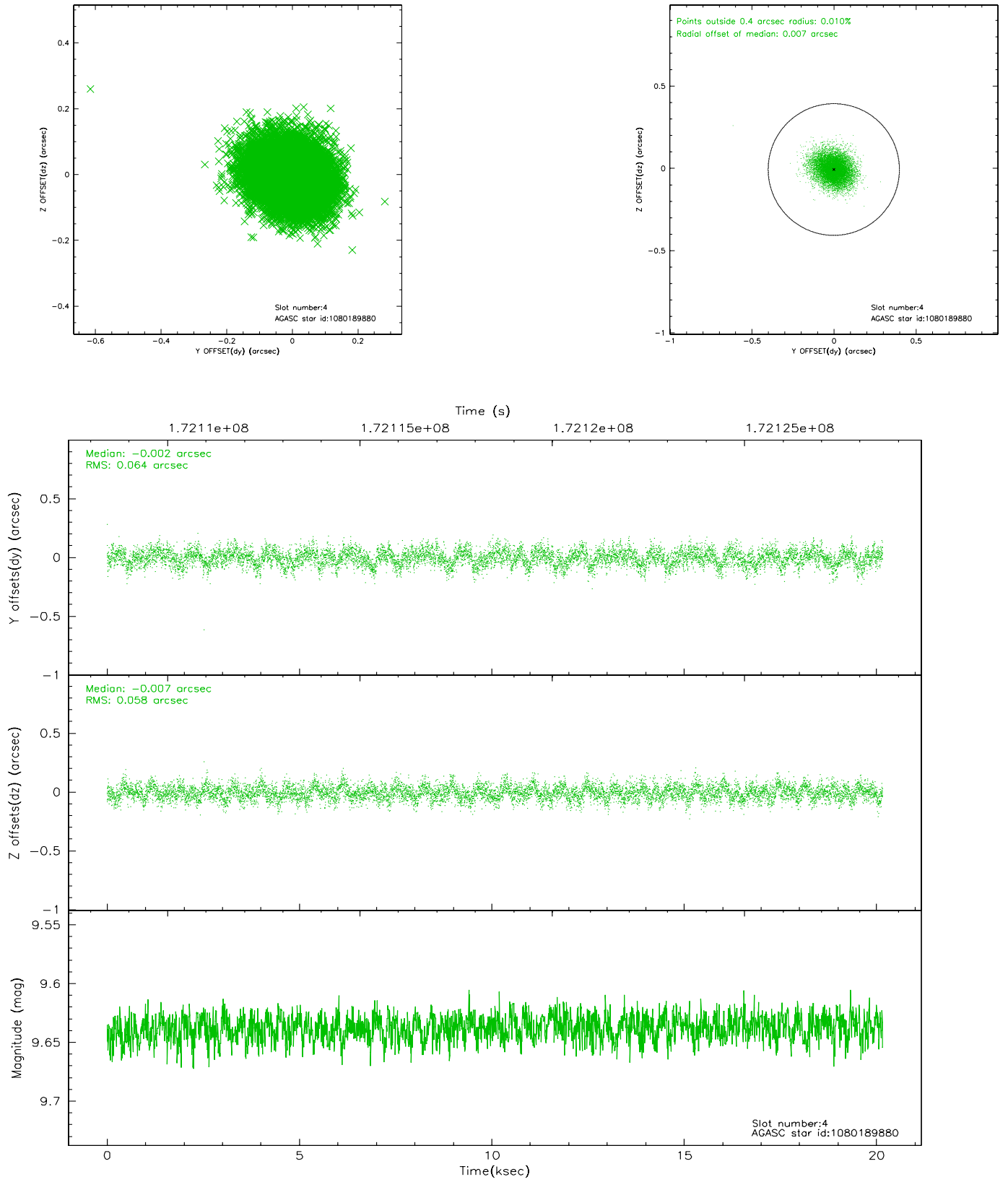
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4918	0.015	0.134	0.018	0.026	0.000000	0.000000	938.48	-1890.85
1	FID	ACIS-S-4	7.17	4917	0.051	-0.096	0.016	0.022	0.000000	0.000000	2156.03	12.84
2	FID	ACIS-S-5	7.23	4918	-0.094	-0.026	0.010	0.017	0.000000	0.000000	-1810.25	6.71
3	GUIDE	1080164440	8.96	9833	-0.007	0.009	0.080	0.126	181.986340	-52.264623	-247.76	-1188.14
4	GUIDE	1080189880	9.64	9832	-0.002	-0.007	0.092	0.151	182.794721	-51.898848	-1910.02	284.57
5	GUIDE	1131421616	9.21	9834	0.045	0.096	0.082	0.132	182.273623	-52.784412	1446.33	-174.58
6	GUIDE	1131423616	8.85	9835	0.024	-0.056	0.068	0.110	182.073492	-52.590429	857.05	-749.91
7	GUIDE	1131424824	9.25	9826	-0.055	-0.039	0.075	0.122	181.758646	-52.547110	853.41	-1456.29

2.4 Star Slots

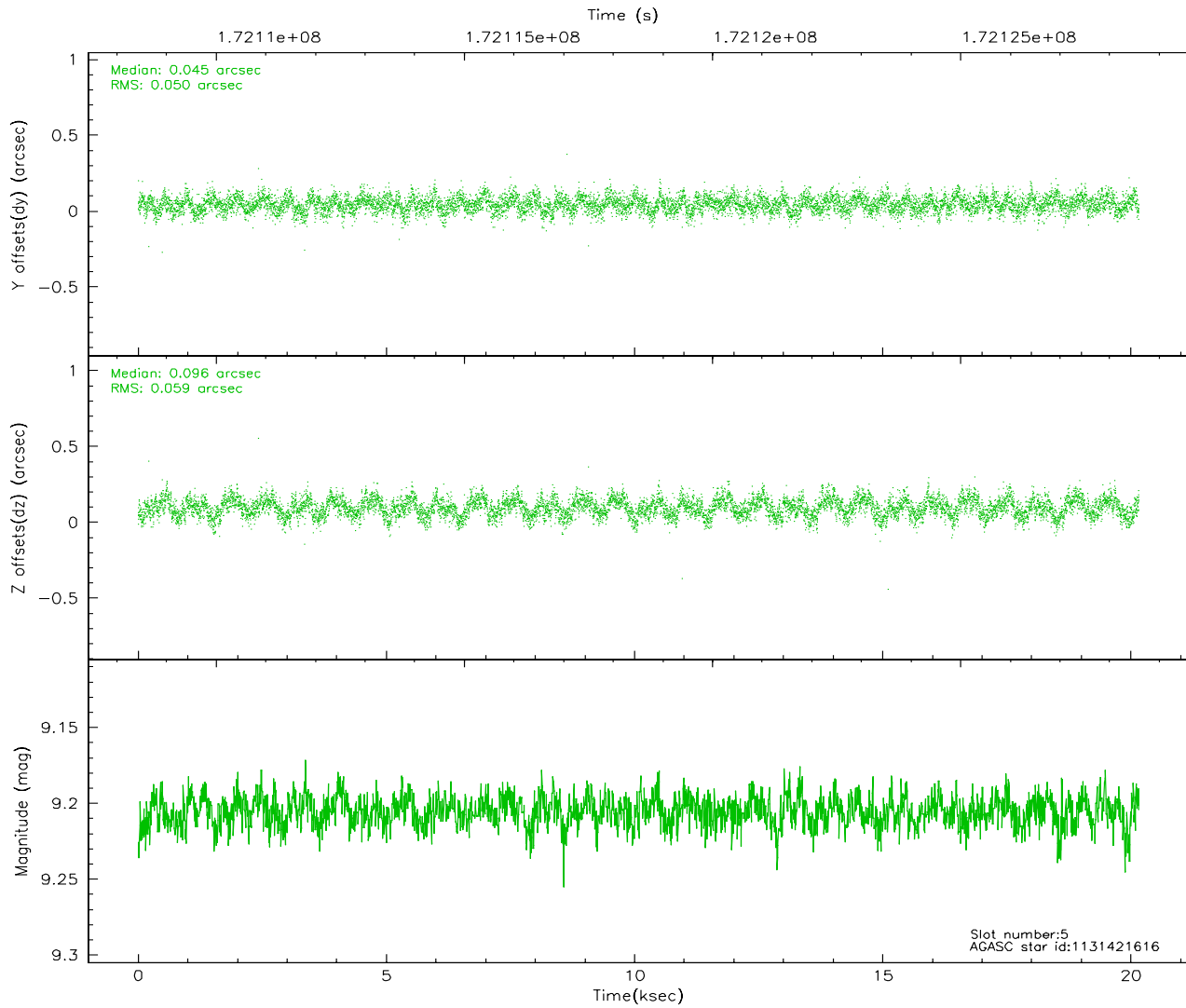
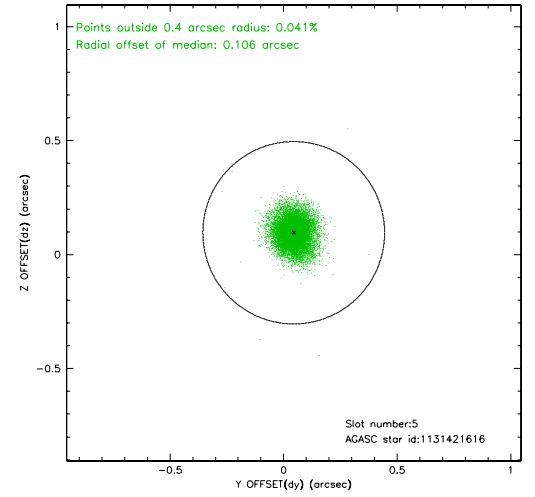
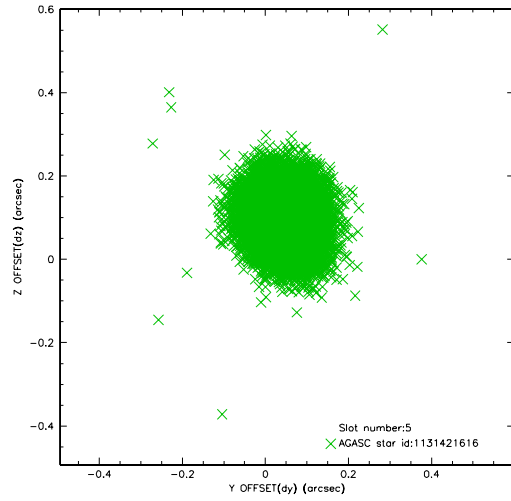
2.4.1 Slot 3



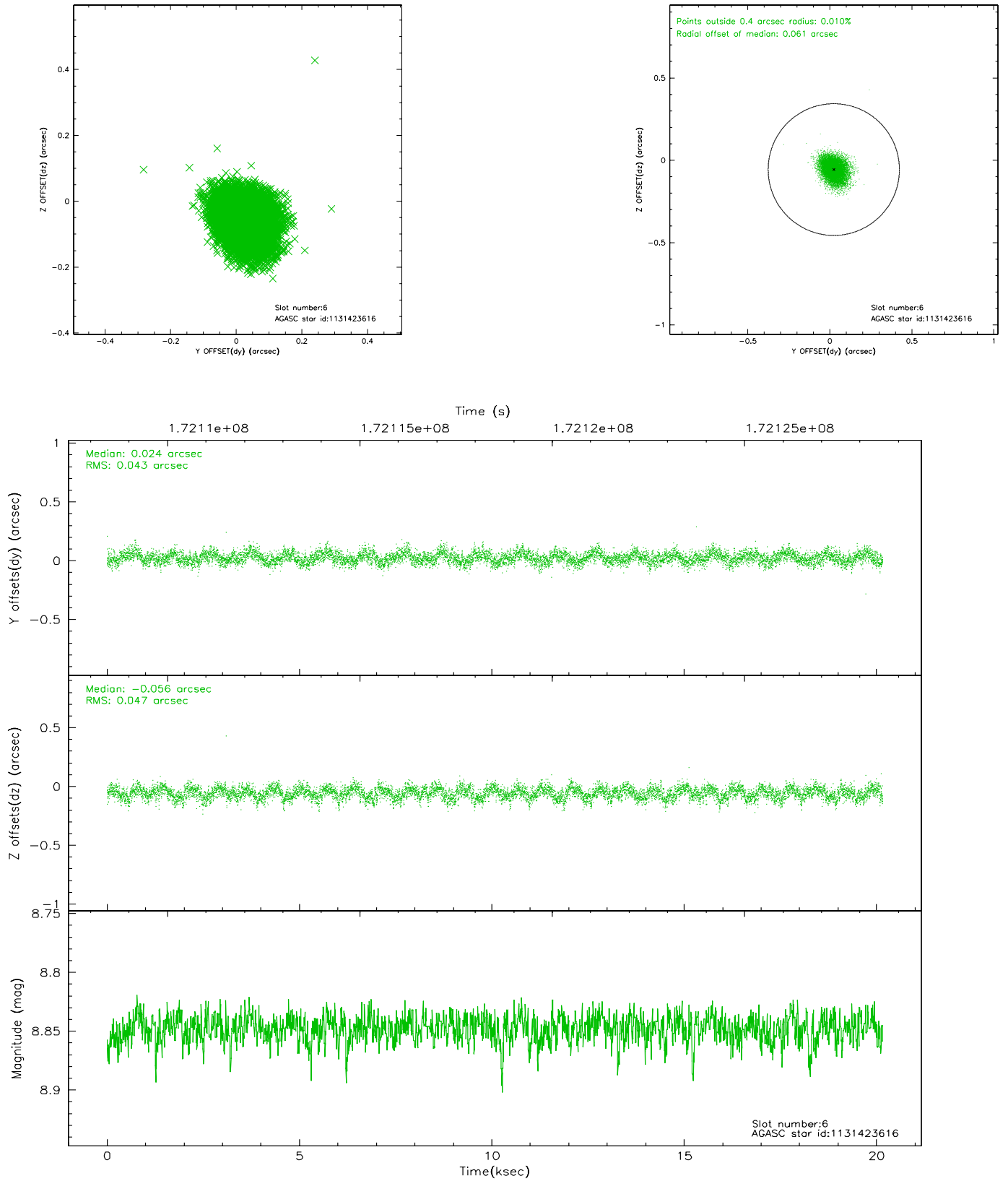
2.4.2 Slot 4



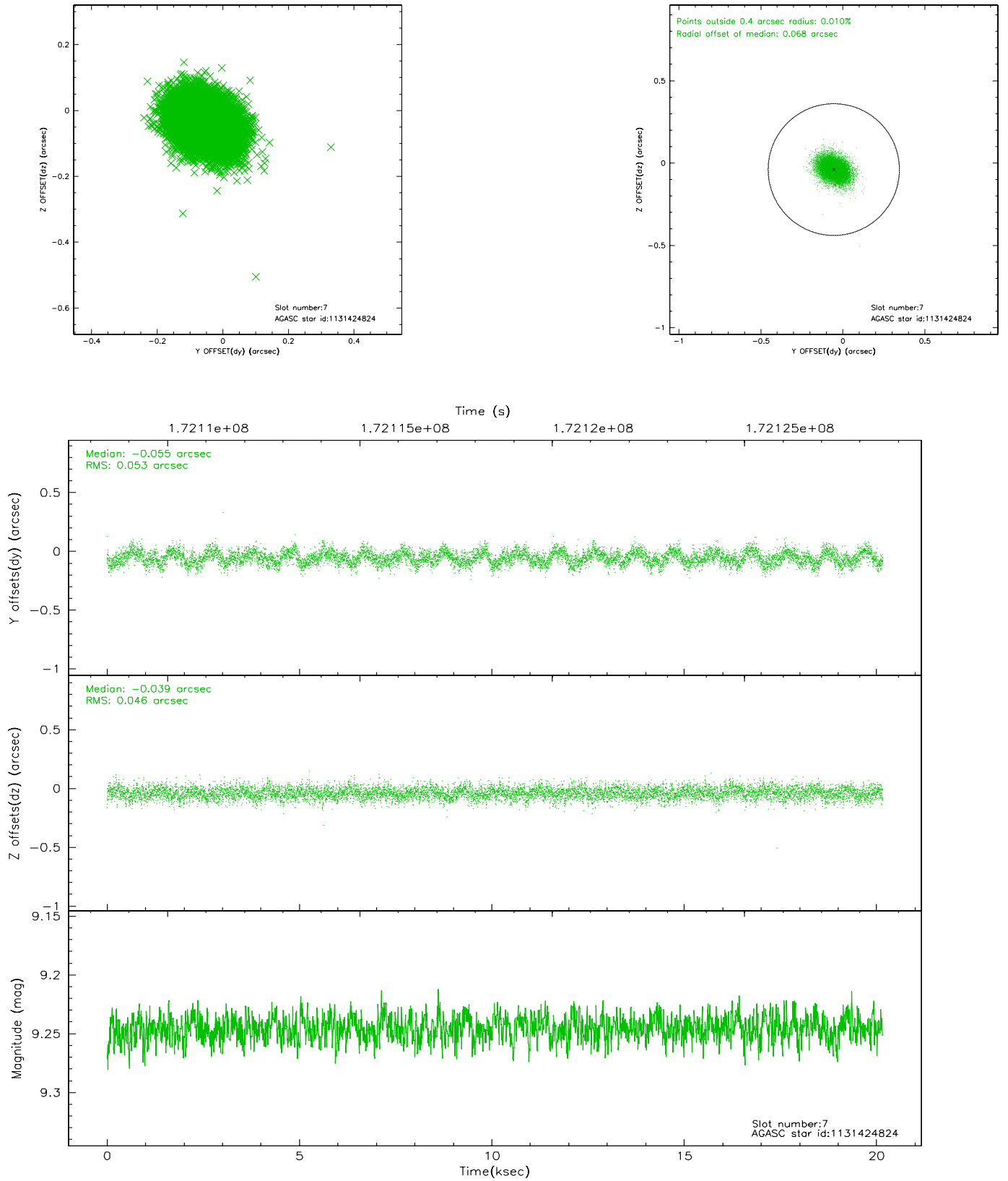
2.4.3 Slot 5



2.4.4 Slot 6

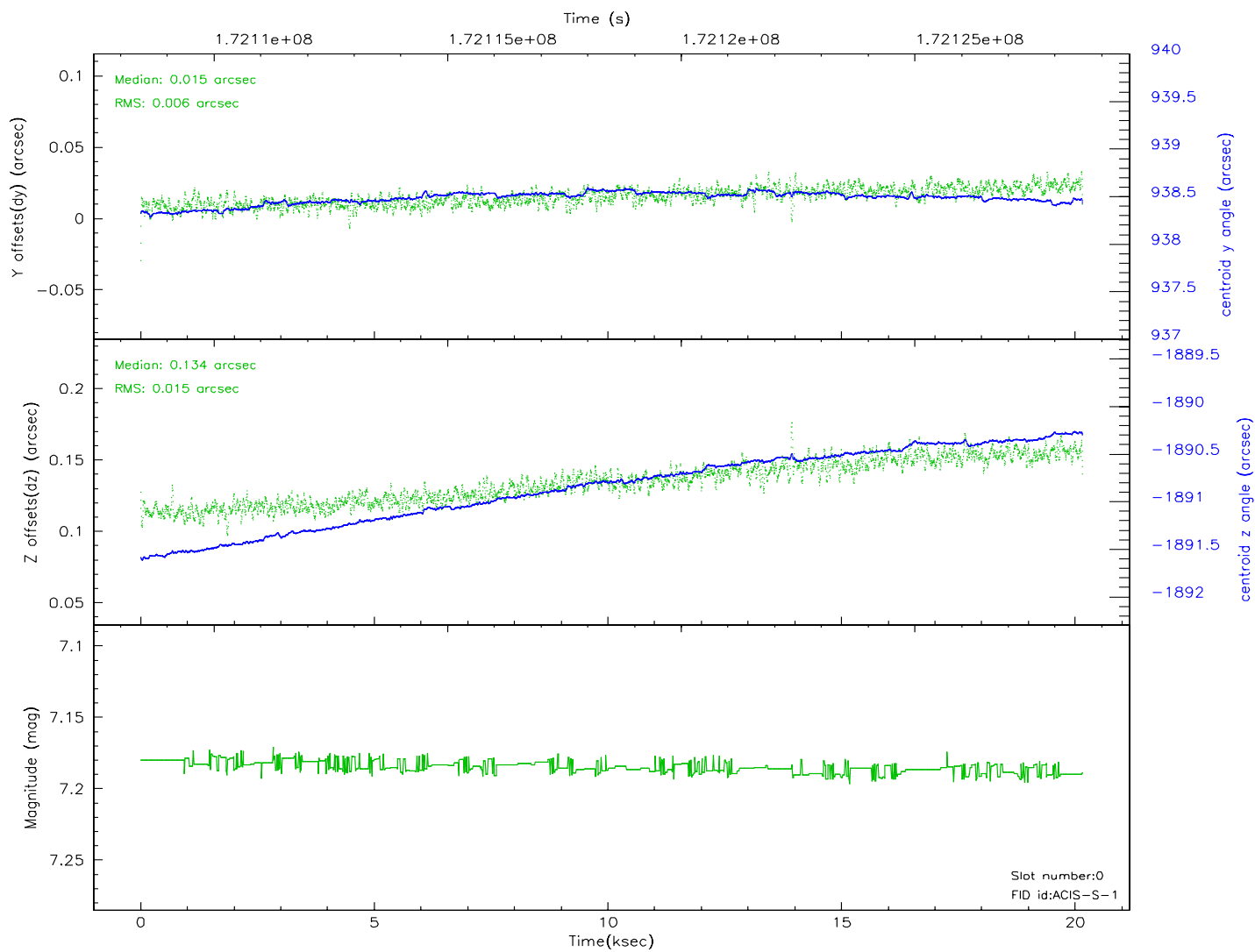
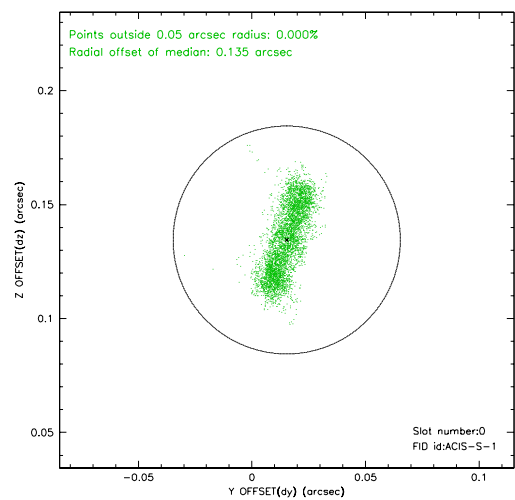
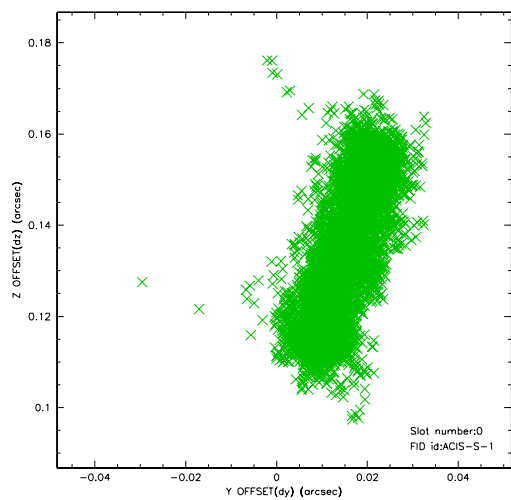


2.4.5 Slot 7

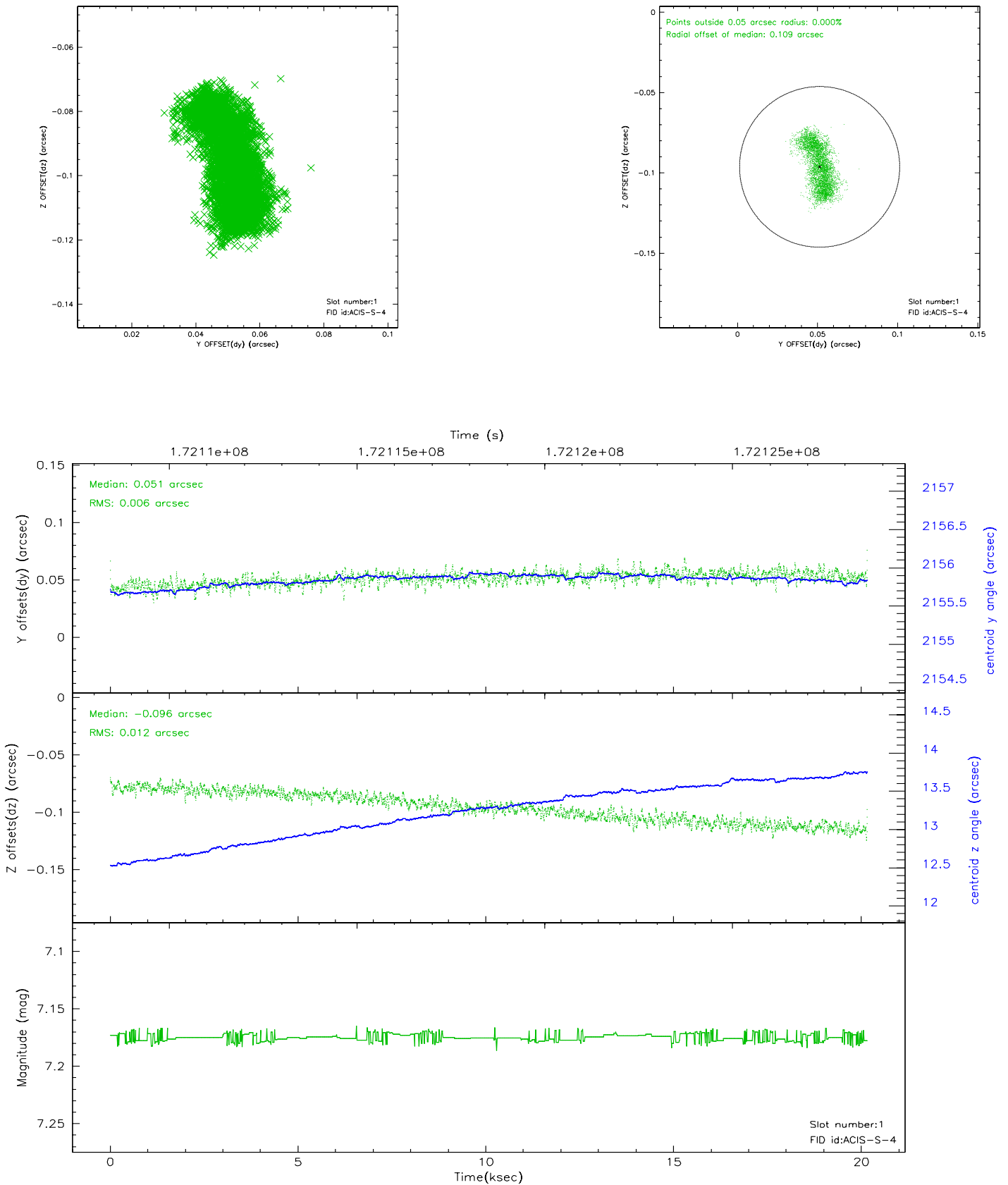


2.5 FID Slots

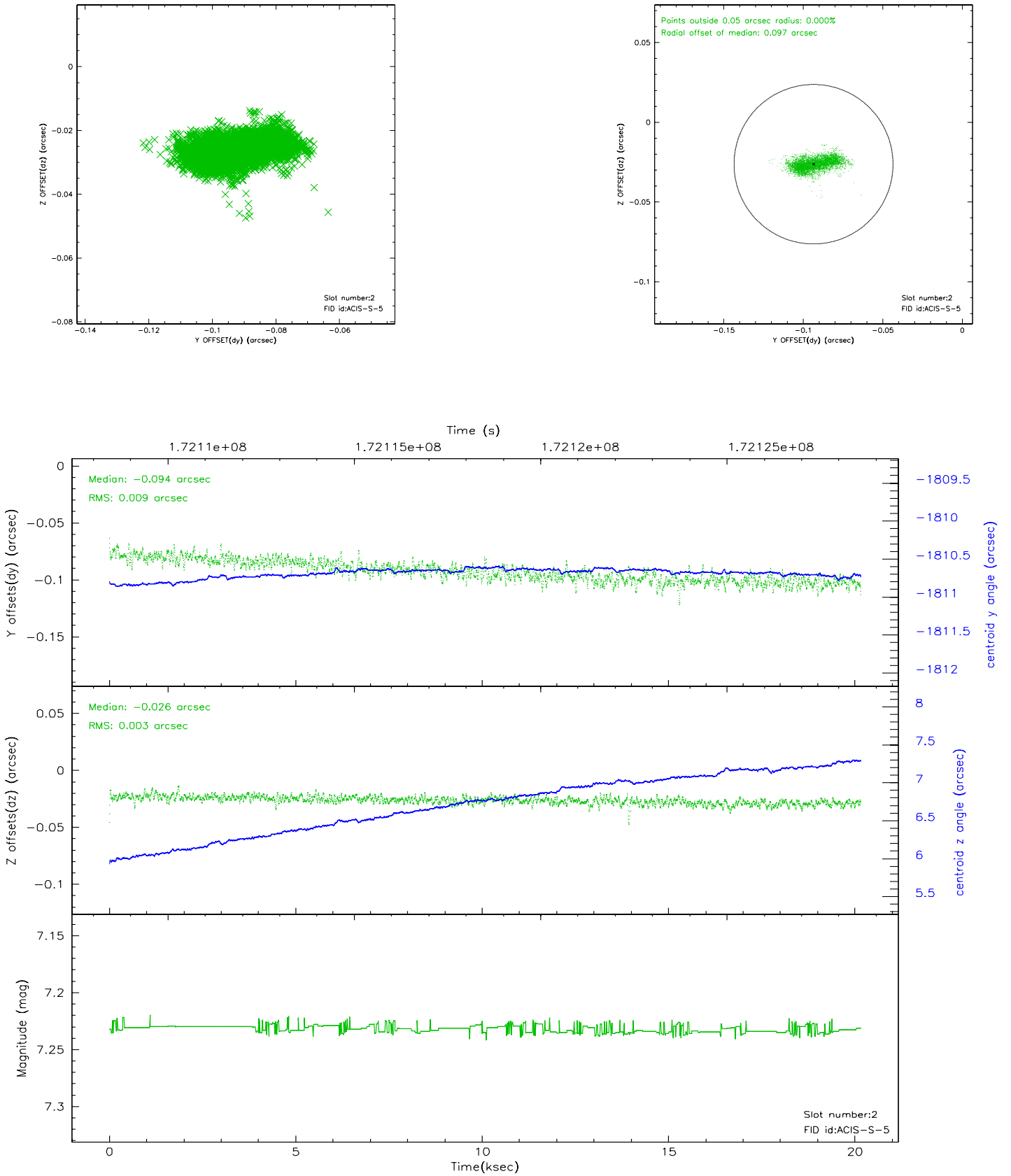
2.5.1 Slot 0



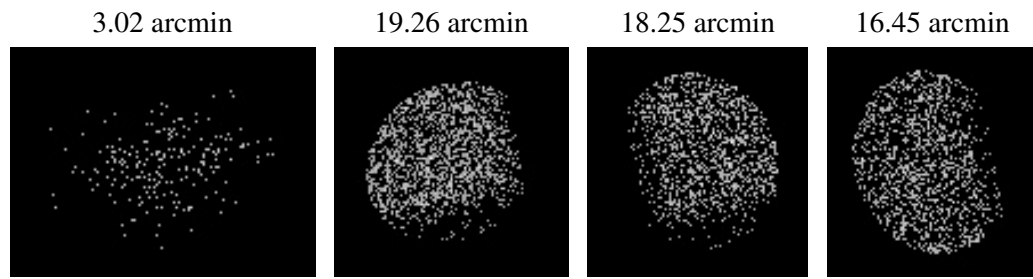
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.012

A.2 Comments