

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 931 - L2 Version 001
Chandra X-Ray Center

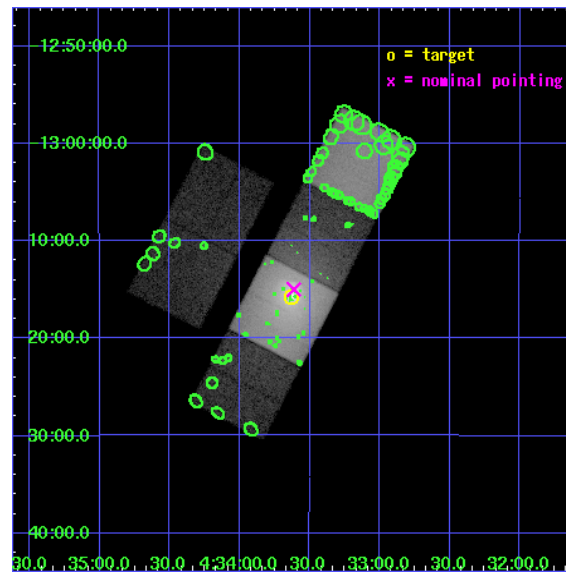
L2 Processing Date : Jun 1 2007

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1 Front

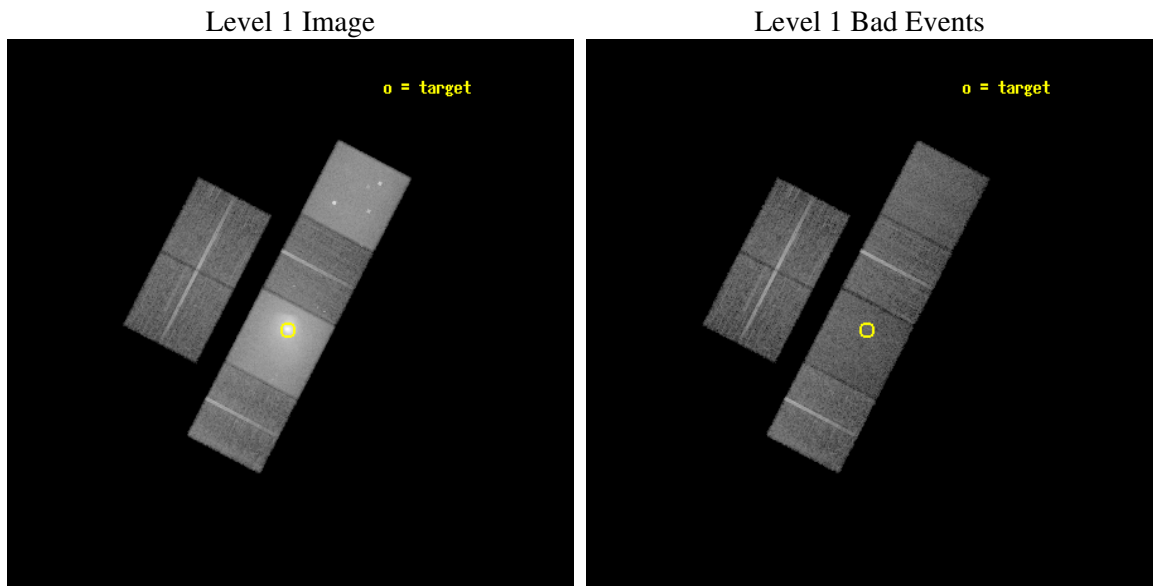
seq_num	800107
obs_id	931
title	SPATIAL DISTRIBUTION OF ABUNDANCE AND TEMPERATURE IN ABELL 496
observer	Dr. Raymond White
object	ABELL 496
dtcycle	0
cycle	P
ra_targ	68.4075
dec_targ	-13.26194
ra_nom	68.403193623509
dec_nom	-13.249916822458
roll_nom	117.45095177731
revision	3
ontime	19161.600017846
livetime	18918.964300689
ontime2	19161.600017846
ontime3	19161.600017846
ontime5	19161.600017846
ontime6	19161.600017846
ontime7	19161.600017846
ontime8	19161.600017846
l2events	718426



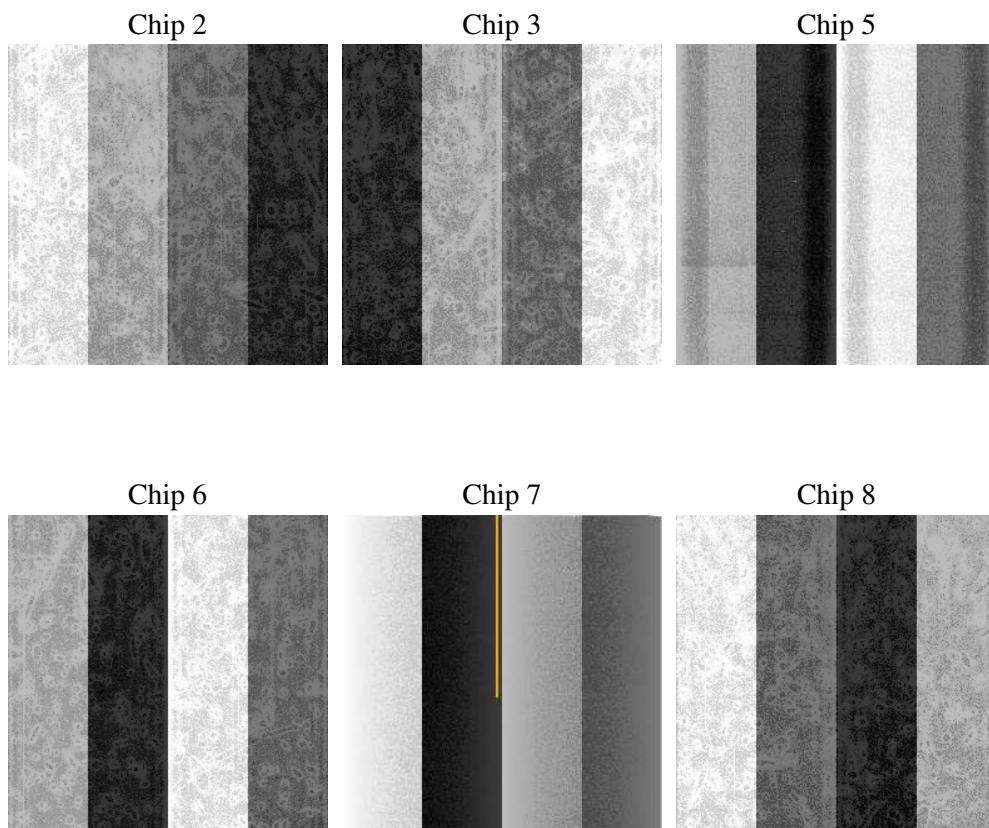
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-01T02:38:14
revision	3

sched_exp_time	19000.000000
ontime	19161.600017846
ontime2	19161.600017846
ontime3	19161.600017846
ontime5	19161.600017846
ontime6	19161.600017846
ontime7	19161.600017846
ontime8	19161.600017846
l1events	1327721

2.1.4 Events

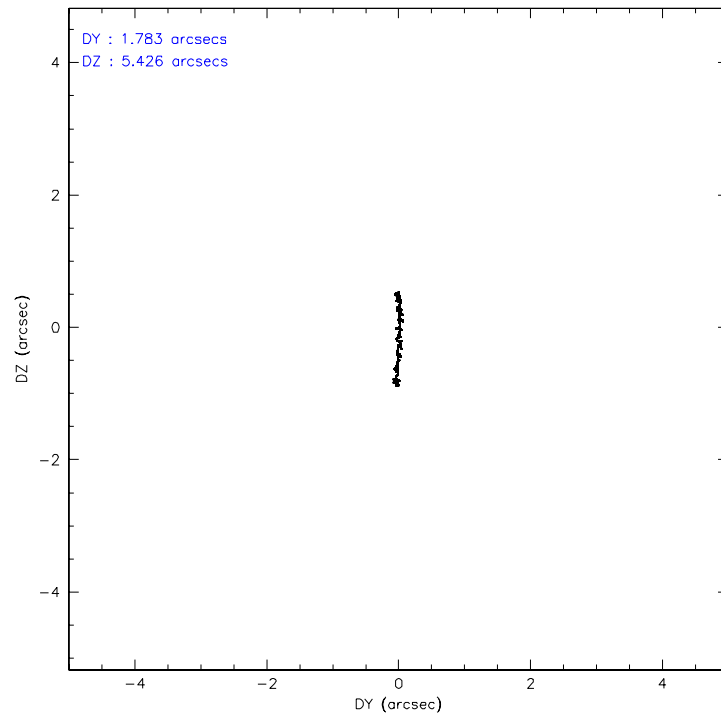
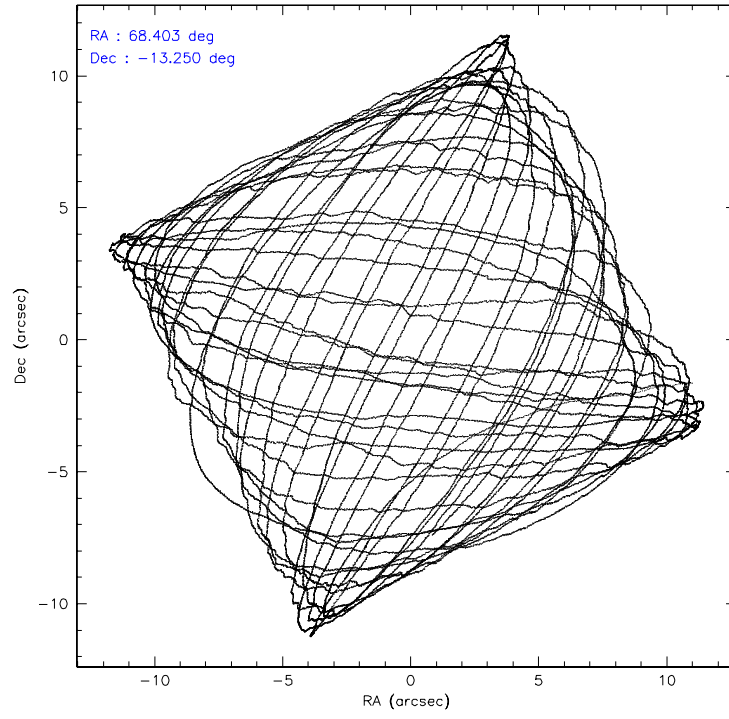
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	117294	112425	301227	146432	501960	148383
rejected events	99439	94149	88681	97612	81511	109559
rejected %	84%	83%	29%	66%	16%	73%

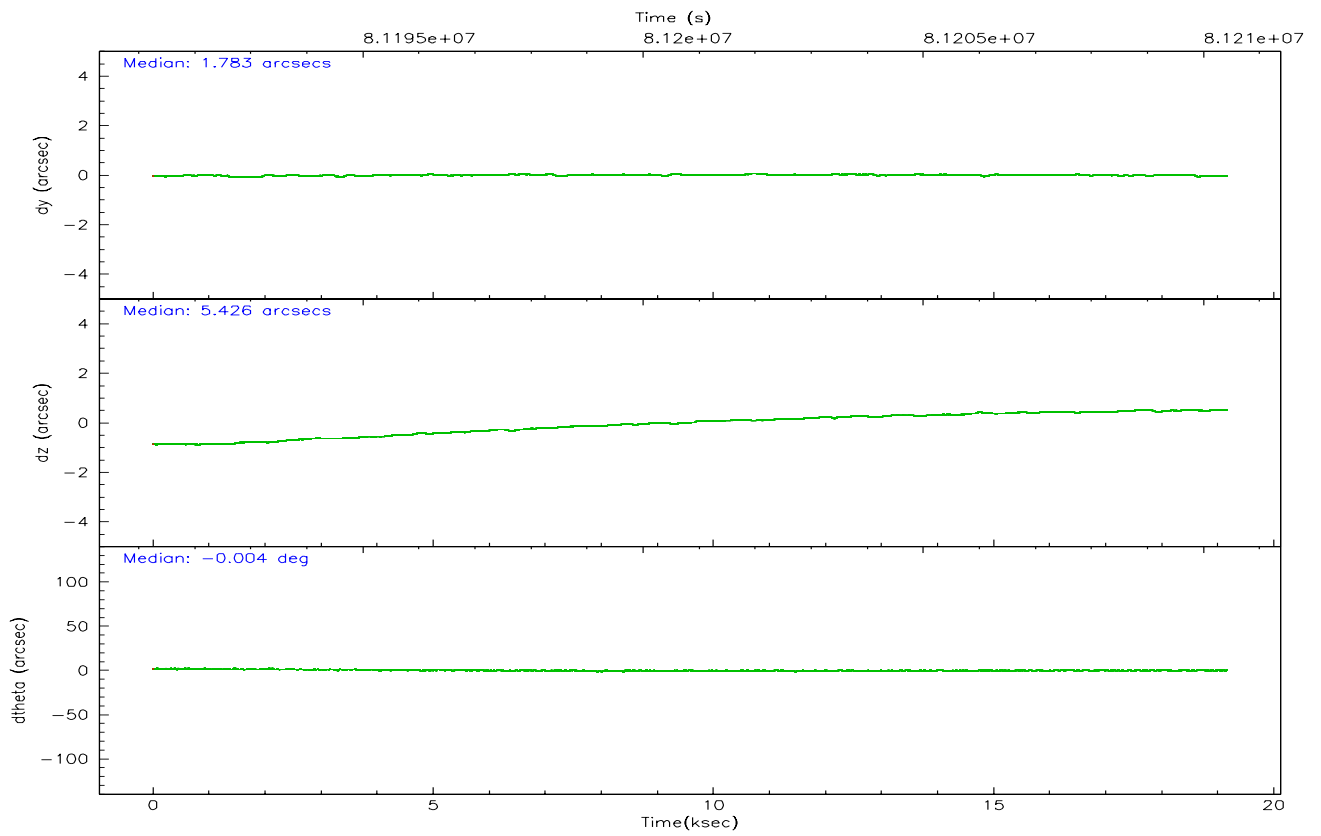
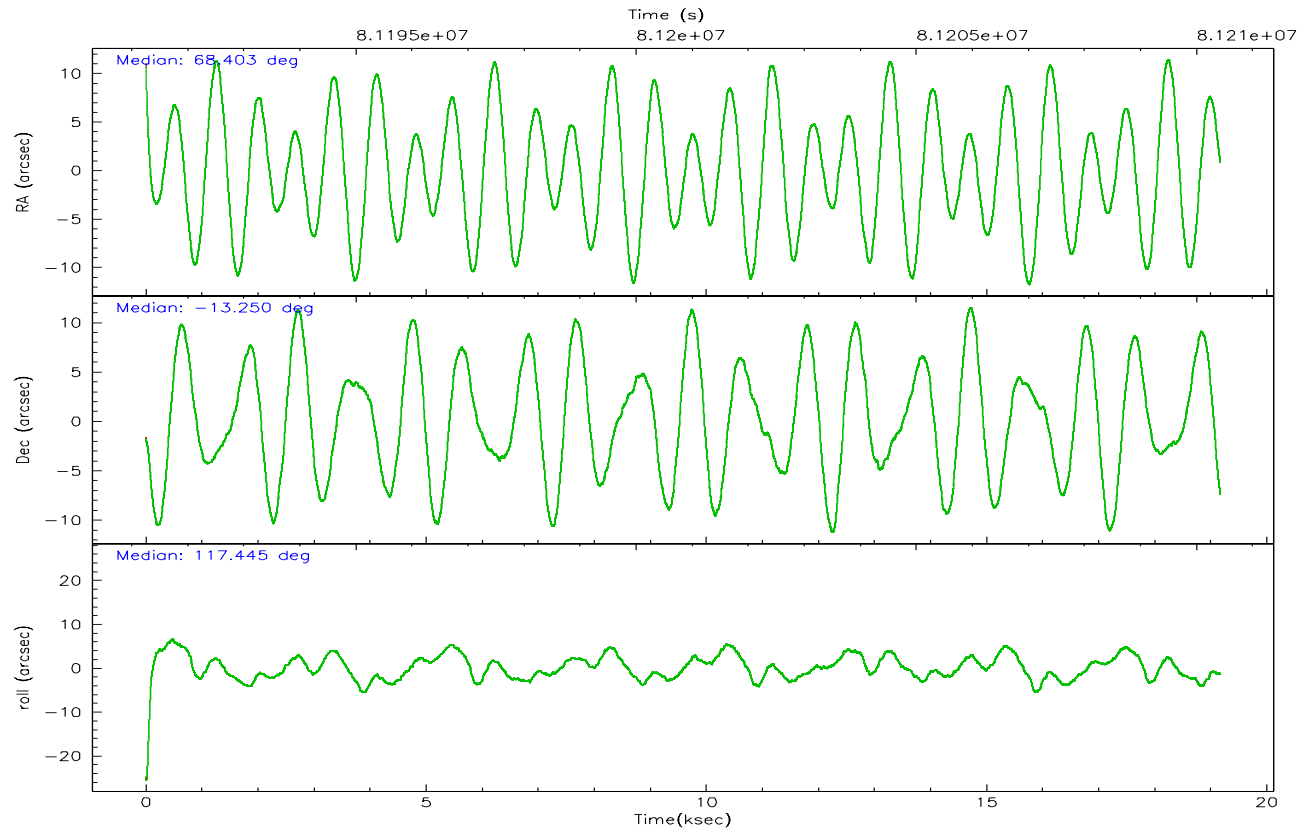
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9970	10513	44126	35690	94999	18439
	8%	9%	14%	24%	18%	12%
grade 1 events	63	57	253	131	219	101
	0%	0%	0%	0%	0%	0%
grade 2 events	3104	2943	57557	5798	96288	6824
	2%	2%	19%	3%	19%	4%
grade 3 events	1313	1351	13465	2154	43383	3336
	1%	1%	4%	1%	8%	2%
grade 4 events	1345	1298	13255	2168	42788	3039
	1%	1%	4%	1%	8%	2%
grade 5 events	3614	3968	12732	4399	14929	5400
	3%	3%	4%	3%	2%	3%
grade 6 events	2180	2223	84371	3129	143805	7257
	1%	1%	28%	2%	28%	4%
grade 7 events	95705	90072	75468	92963	65549	103987
	81%	80%	25%	63%	13%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	68.426989	68.40319362350945	Subarray requested	NONE	NONE
Pointing Dec	-13.264530	-13.24991682245781	Alternating exposures requested	N	N
Pointing Roll	117.299807	117.4509517773124	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	81191426.184000	81190338.865812			
Observation start date	2000-07-28T17:09:22	2000-07-28T16:52:18			
Observation end time	81210426.184000	81211173.52908701			
Observation end date	2000-07-28T22:26:02	2000-07-28T22:39:33			
Read mode	TIMED	TIMED			

2.3 Aspect



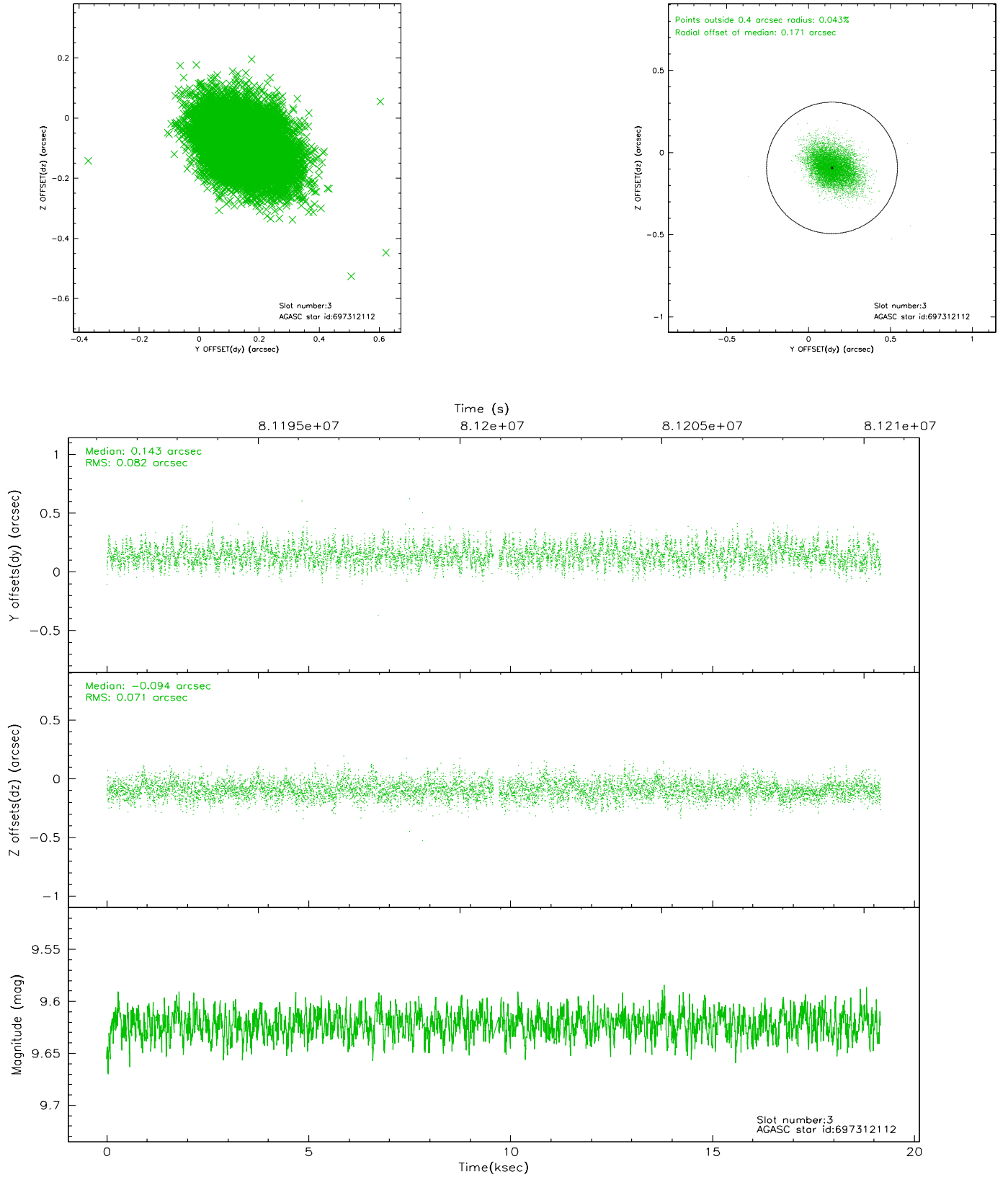


Slot Statistics

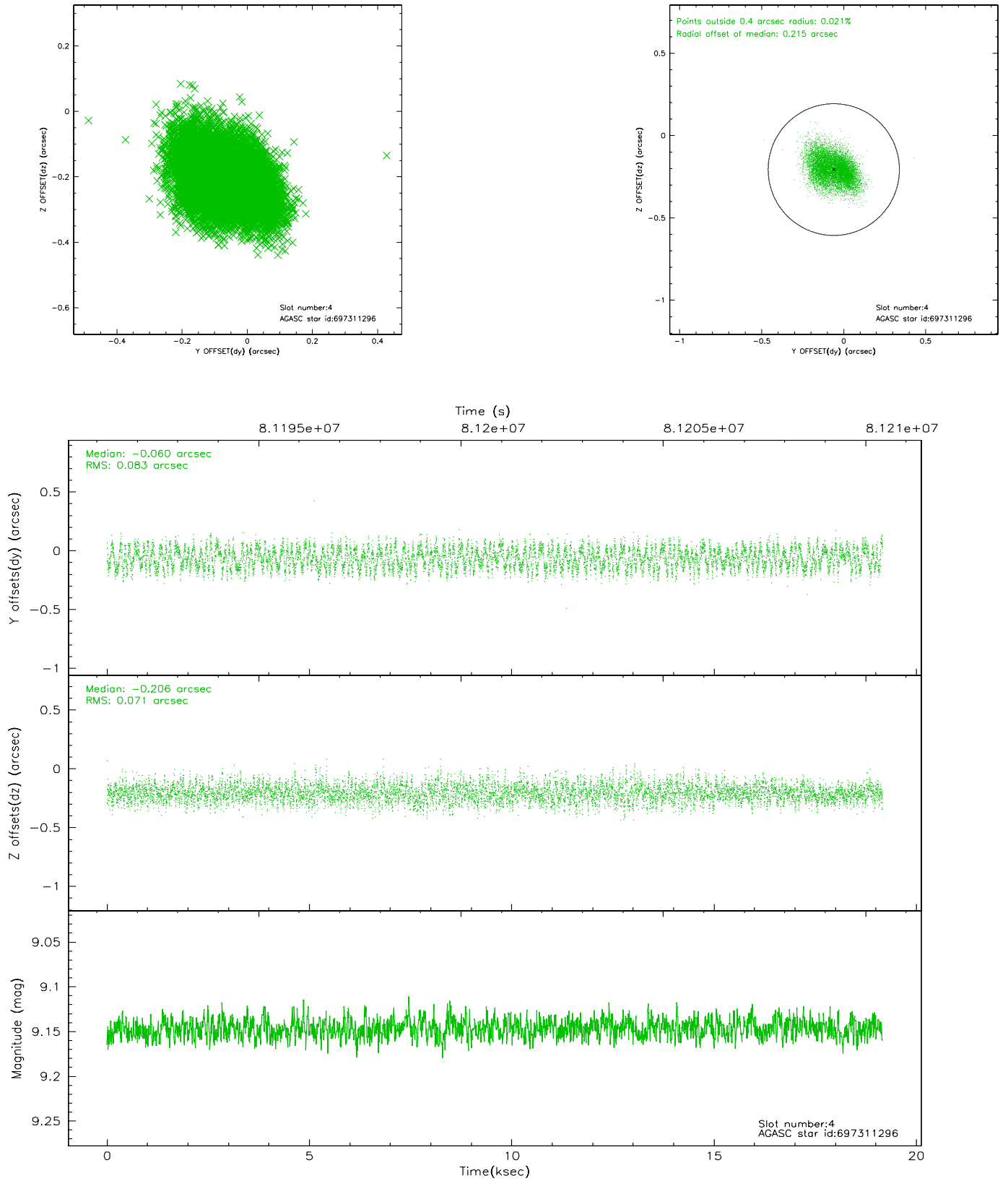
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4676	-0.026	0.024	0.009	0.015	0.000000	0.000000	-754.40	-1726.46
1	FID	ACIS-S-4	7.21	4674	-0.053	0.006	0.006	0.010	0.000000	0.000000	2158.74	181.81
2	FID	ACIS-S-5	7.24	4674	0.048	-0.022	0.010	0.019	0.000000	0.000000	-1806.92	175.66
3	GUIDE	697312112	9.62	9277	0.143	-0.094	0.114	0.189	68.203644	-13.816922	-1408.88	1606.48
4	GUIDE	697311296	9.15	9349	-0.060	-0.206	0.118	0.186	67.817784	-13.358108	677.01	2052.59
5	GUIDE	697303120	9.77	9345	-0.099	0.143	0.110	0.185	68.753732	-12.776019	1036.63	-1824.46
6	GUIDE	697317872	9.89	9346	-0.118	0.287	0.144	0.238	68.842801	-12.751213	972.13	-2143.48
7	GUIDE	697311800	9.67	9347	0.137	-0.134	0.102	0.172	68.465085	-13.769624	-1676.30	715.80

2.4 Star Slots

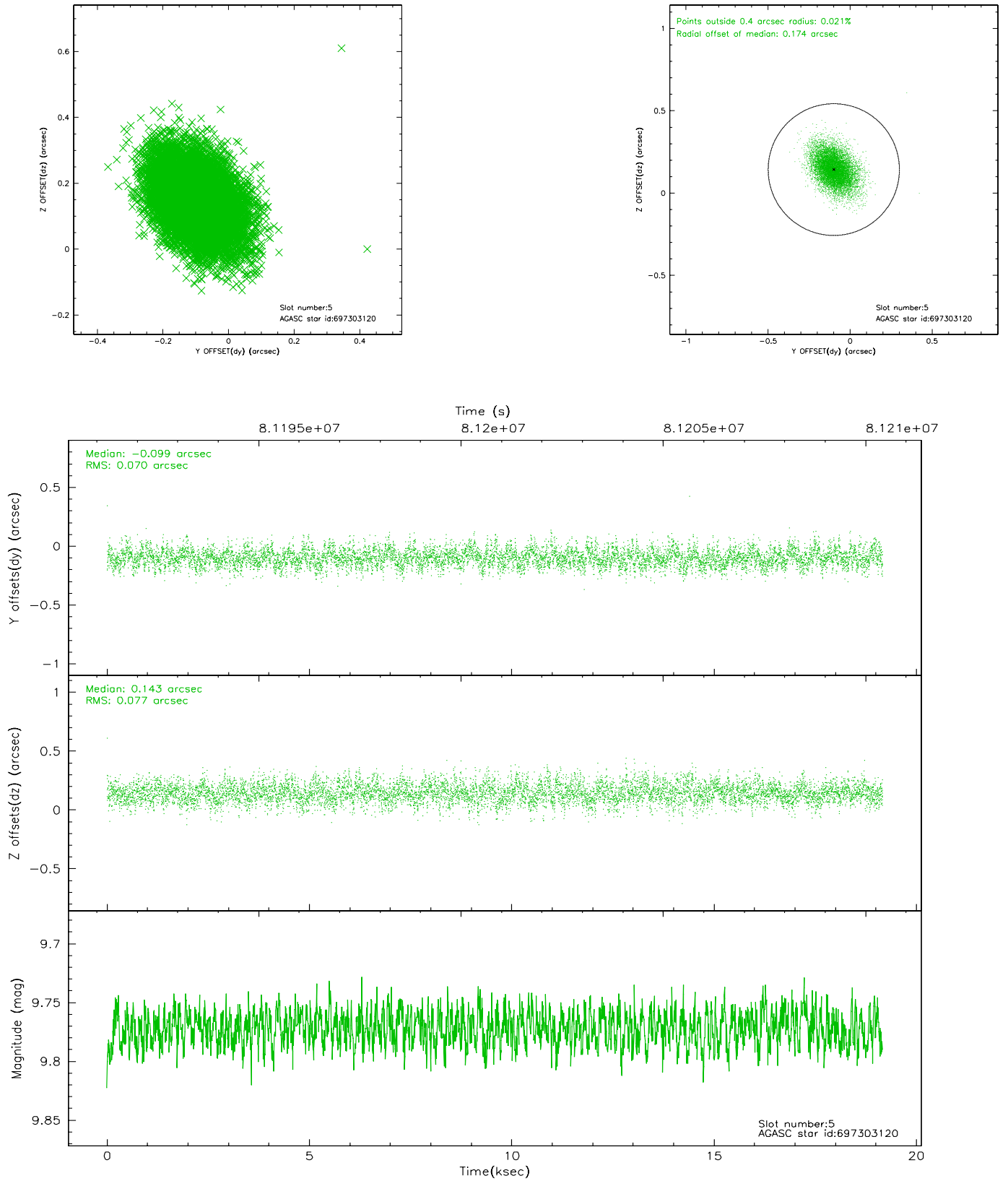
2.4.1 Slot 3



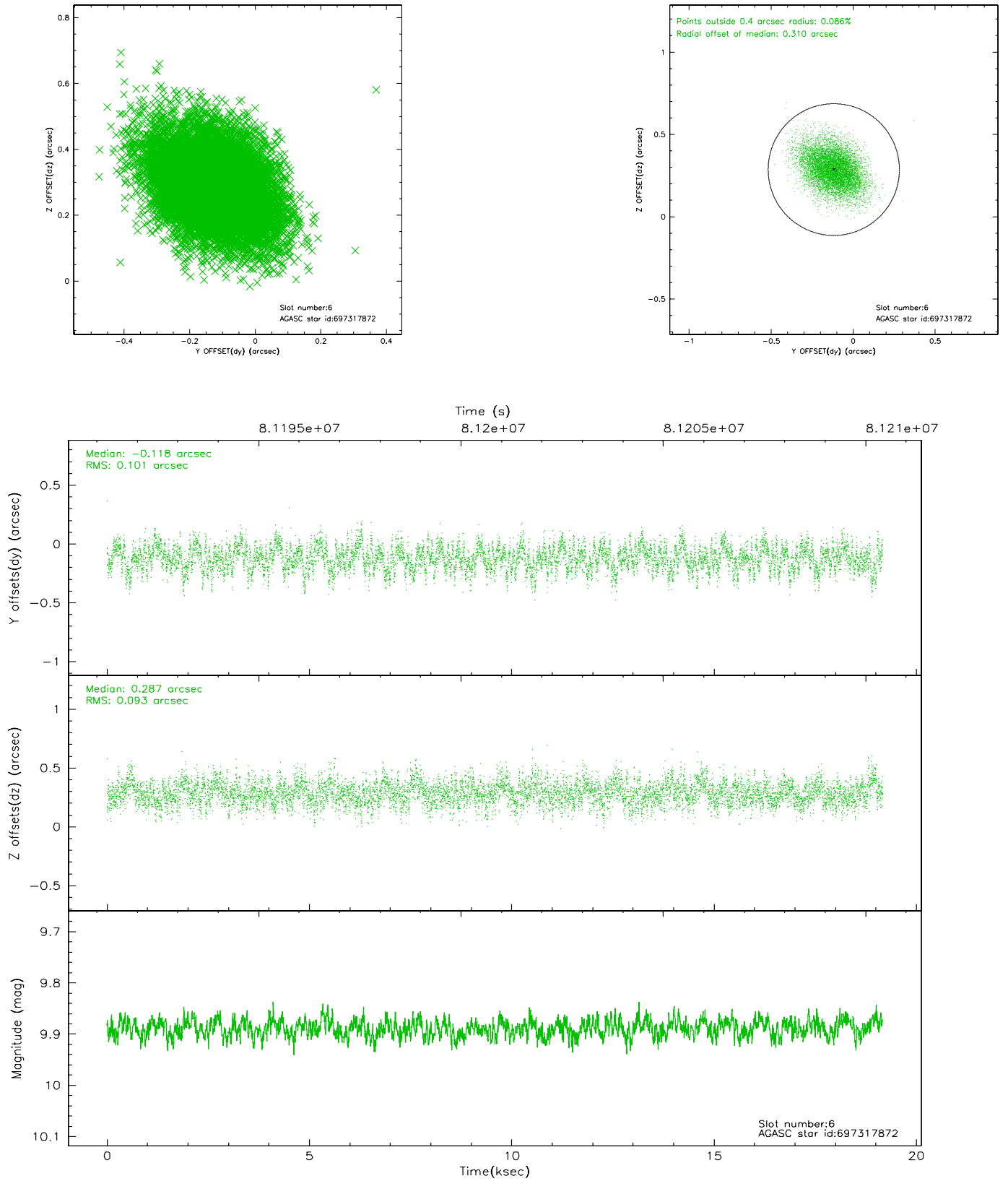
2.4.2 Slot 4



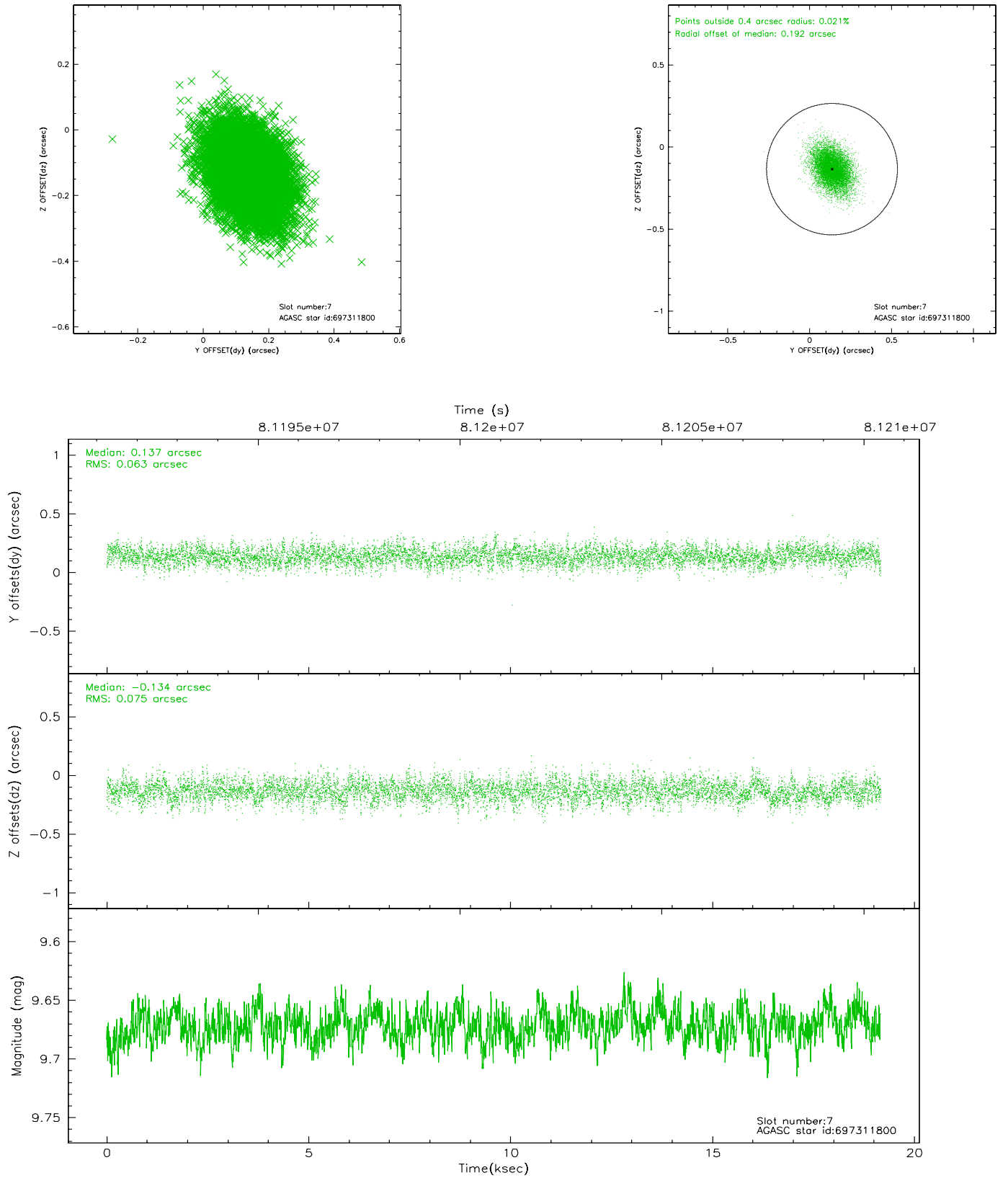
2.4.3 Slot 5



2.4.4 Slot 6

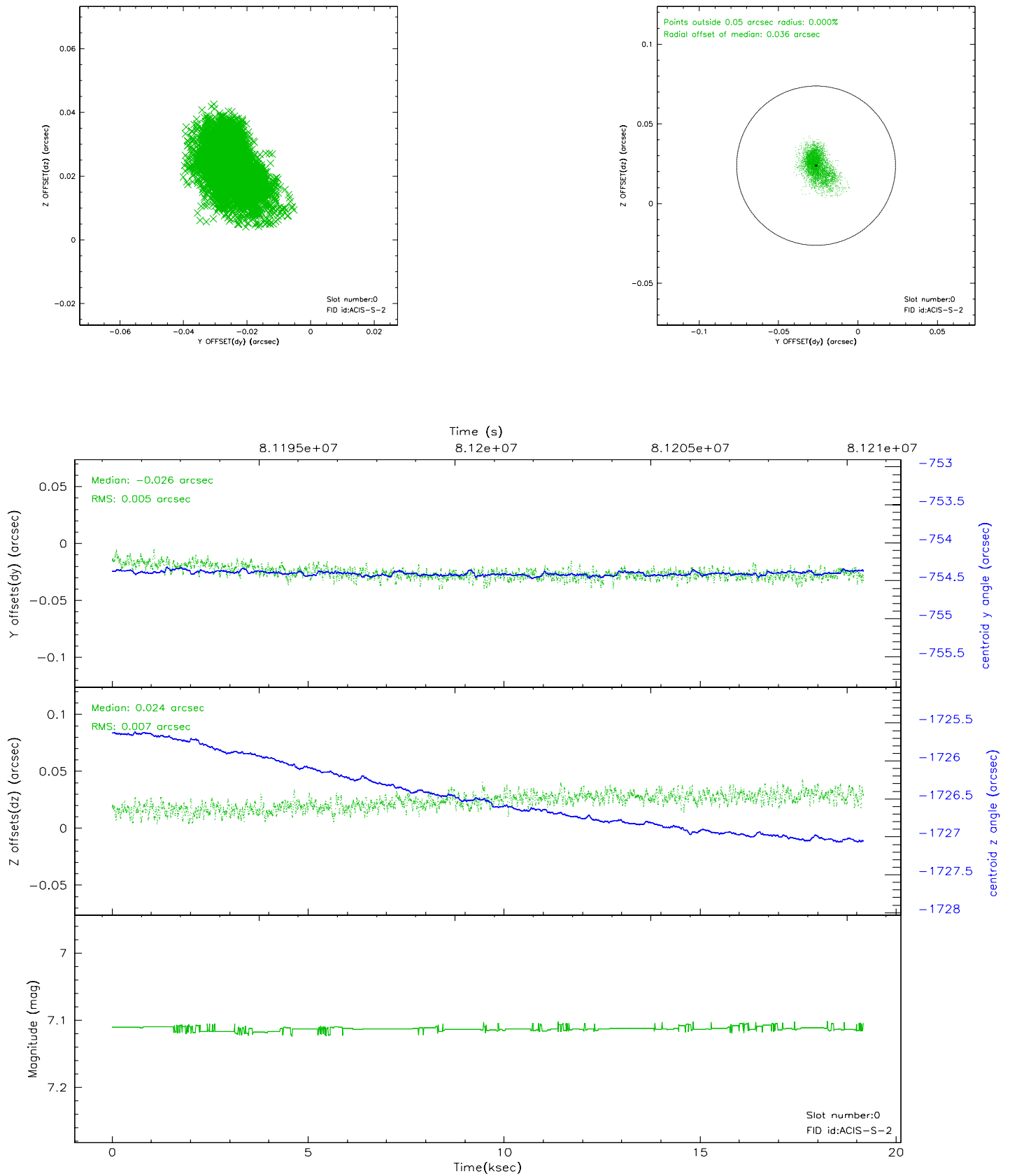


2.4.5 Slot 7

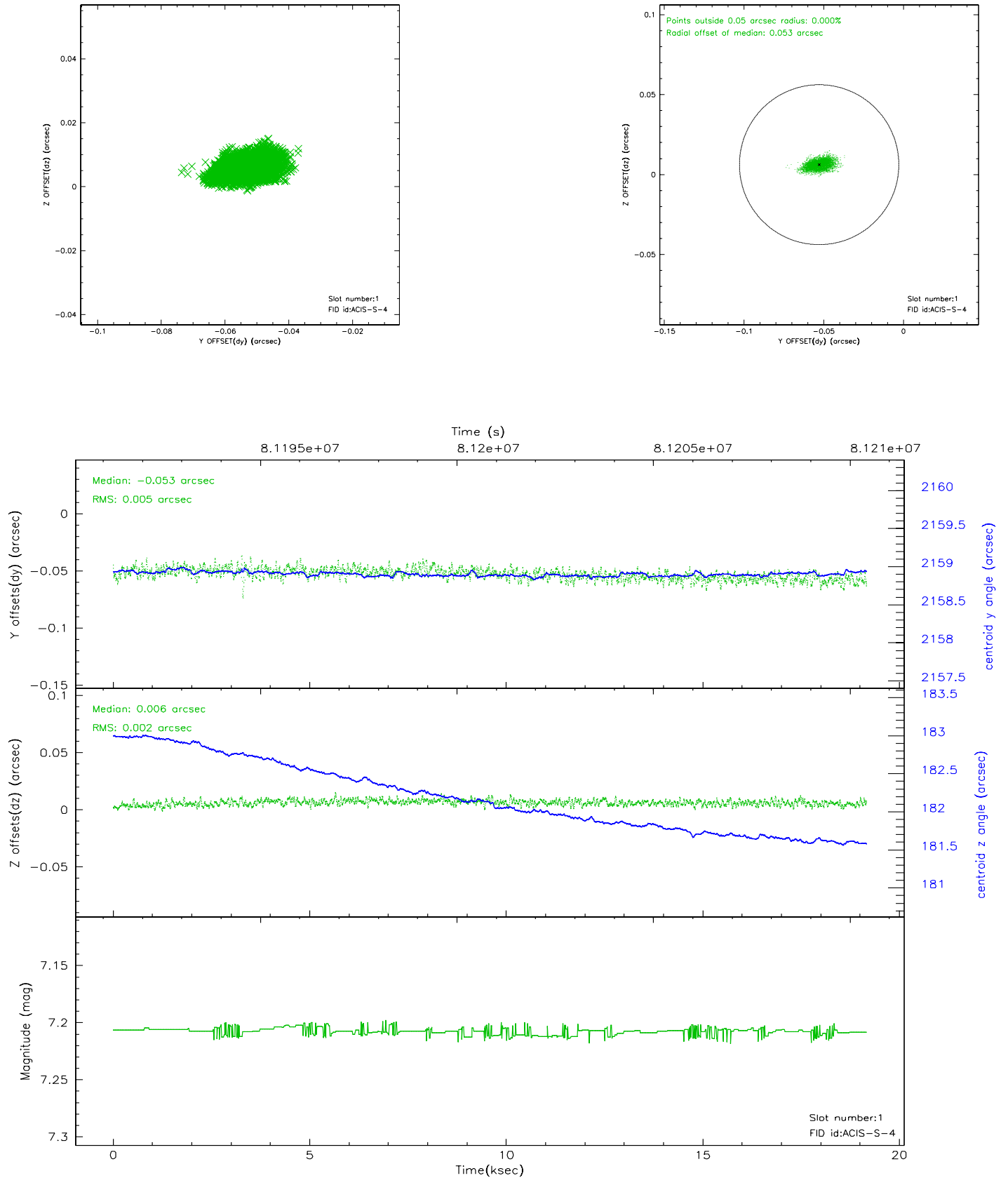


2.5 FID Slots

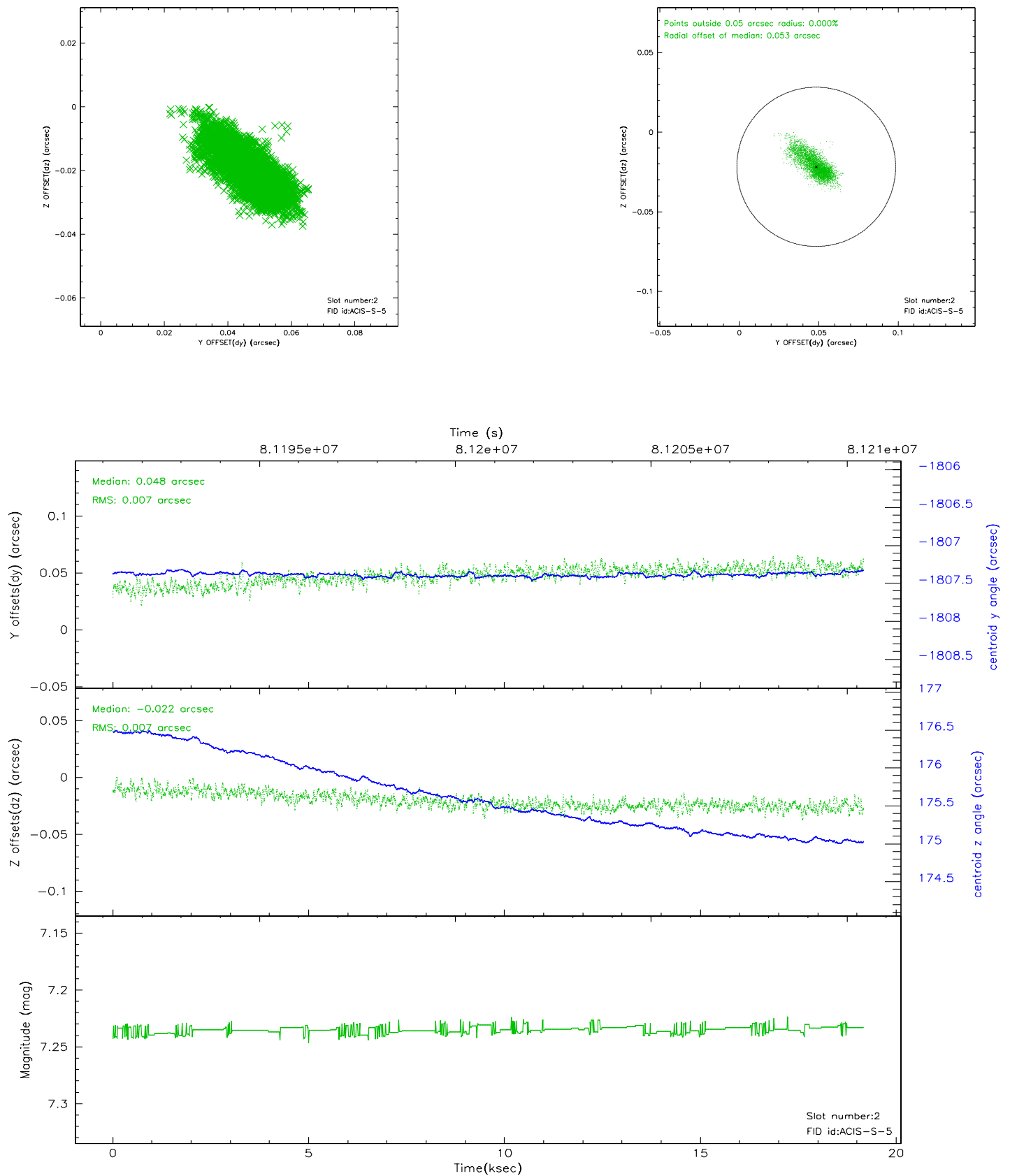
2.5.1 Slot 0



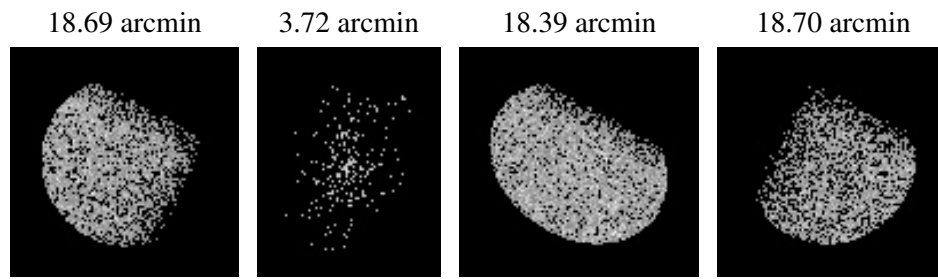
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.161

A.2 Comments

Count rate rises in latter half of observation.