

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4821 - L2 Version 001
Chandra X-Ray Center

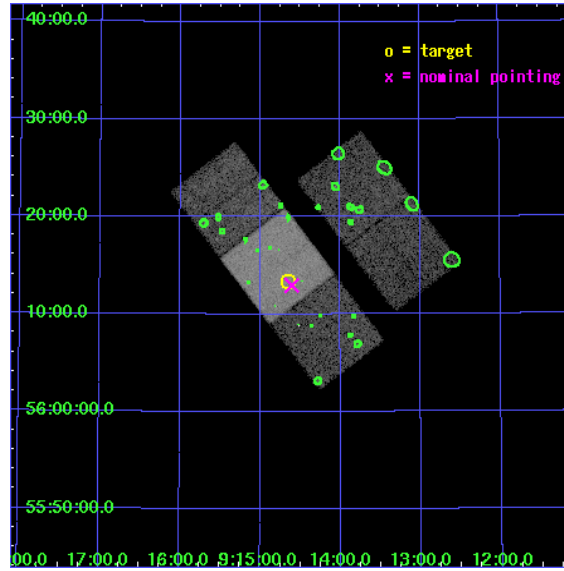
L2 Processing Date : May 27 2006

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1 Front

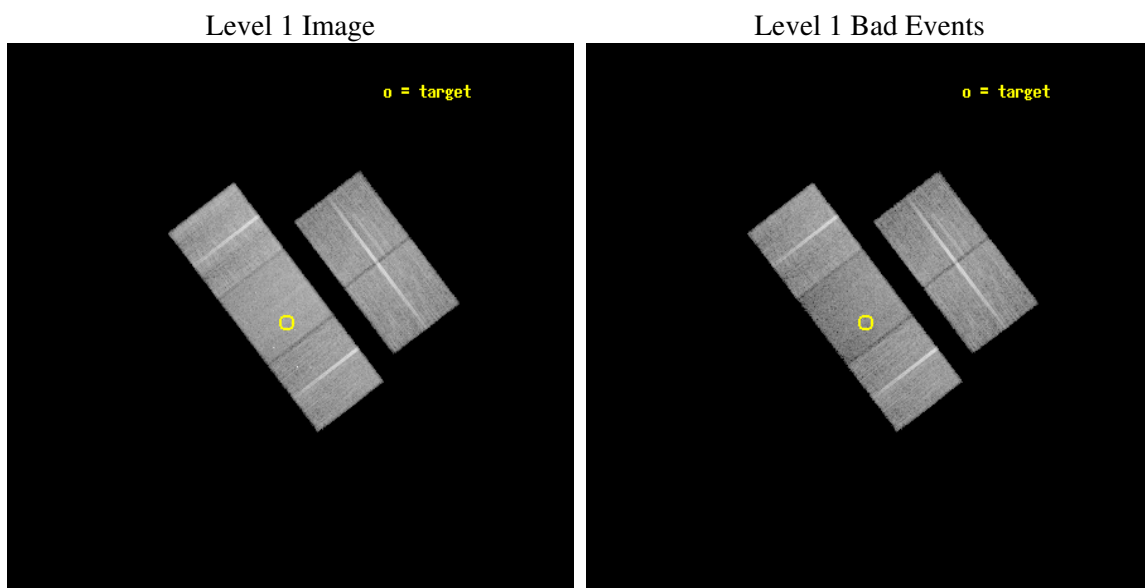
seq_num	700903
obs_id	4821
title	Destroying Degeneracy: Spanning the Luminosity Range for Radio-Quiet Quasars at $z=4$
observer	Dr. Jill Bechtold
object	QSO 0910+564
dtcycle	0
cycle	P
ra_targ	138.66375
dec_targ	56.2225
ra_nom	138.6509412236
dec_nom	56.215955737243
roll_nom	232.6321976381
revision	2
ontime	23299.599955201
livetime	22995.17352887
ontime2	23293.318024635
ontime3	23299.599955201
ontime6	23296.458984971
ontime7	23299.599955201
ontime8	23296.458984941
l2events	108309



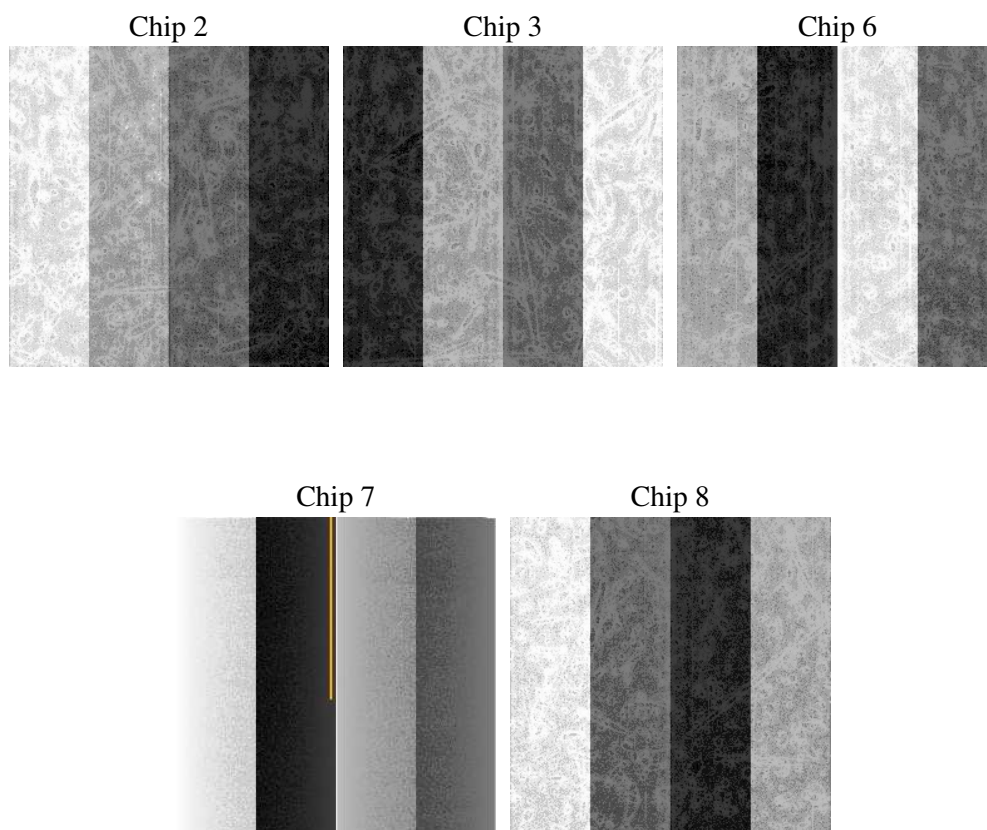
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-27T06:02:56
revision	2

sched_exp_time	23200.000000
ontime	23306.265234023
ontime2	23299.983303457
ontime3	23306.265234023
ontime6	23303.124263793
ontime7	23306.265234023
ontime8	23303.124263763
llevents	717969

2.1.4 Events

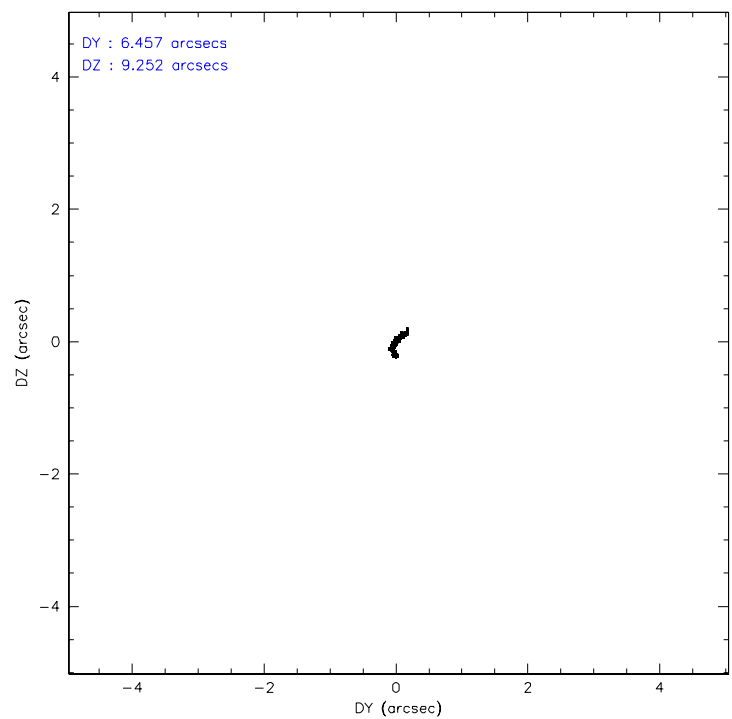
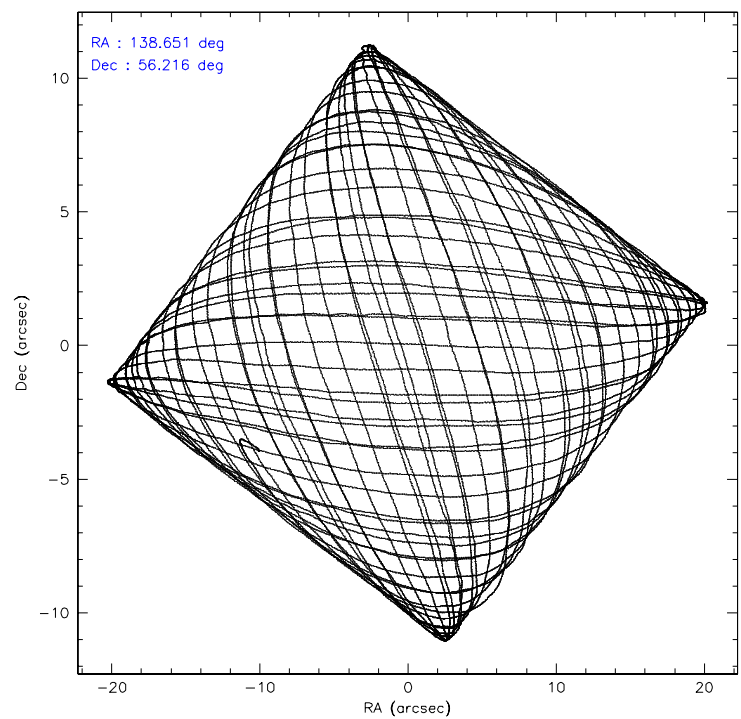
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	132392	129619	138135	149188	168635
rejected events	119909	117383	123972	86583	132097
rejected %	90%	90%	89%	58%	78%

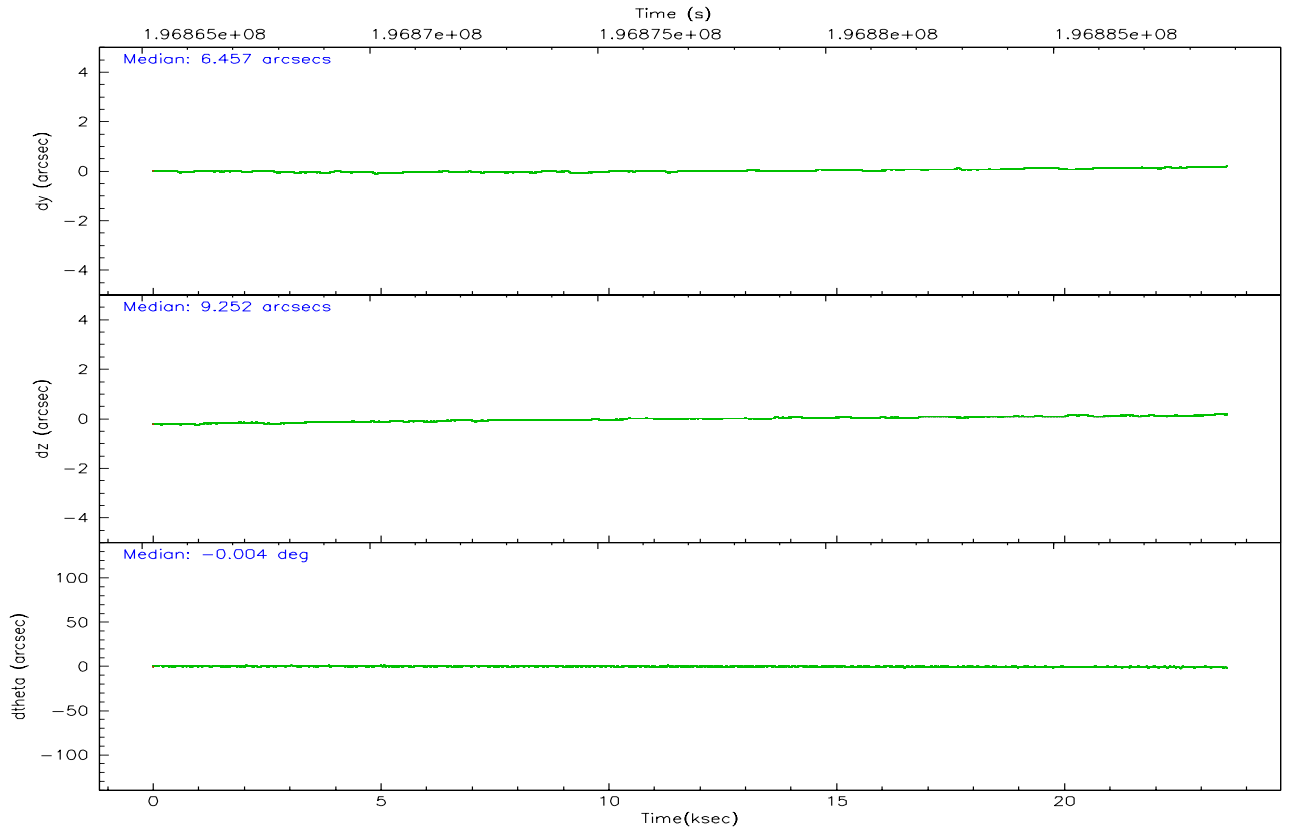
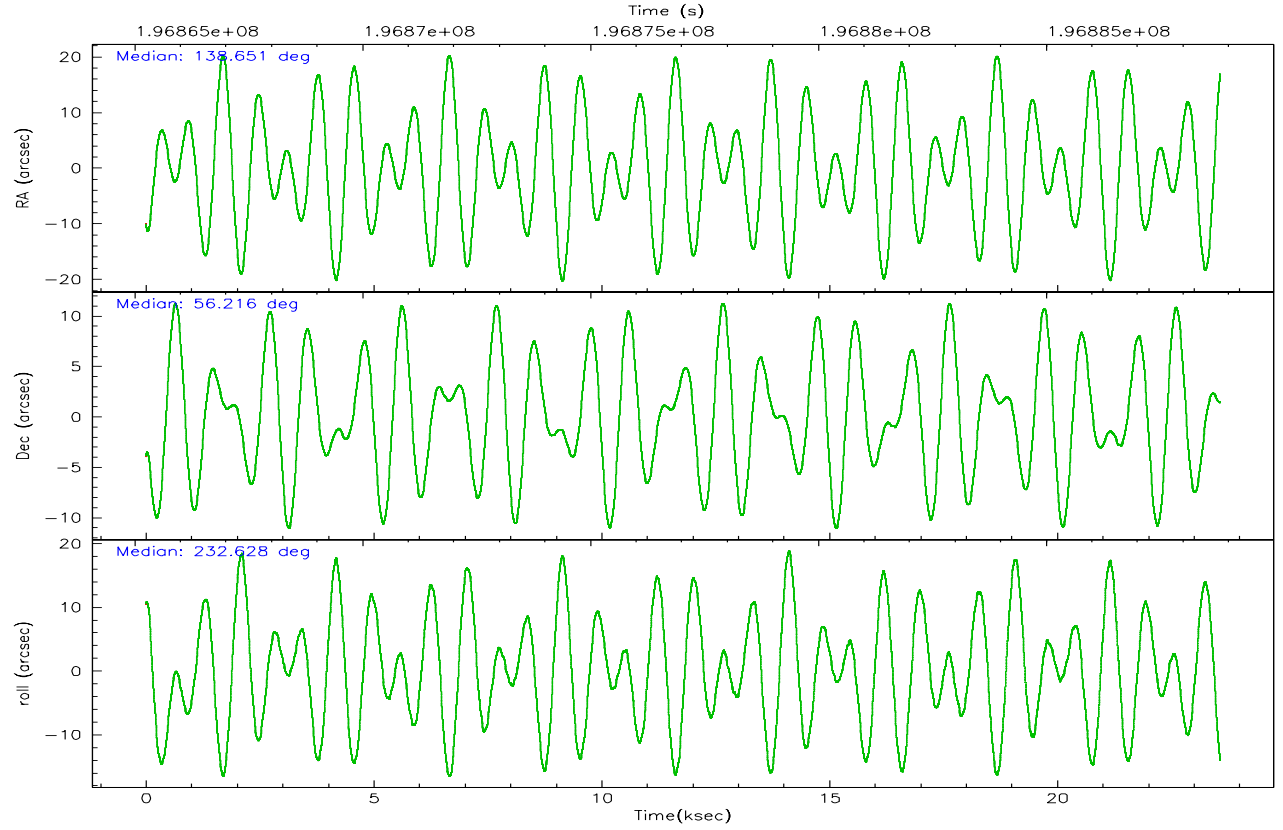
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4390	4196	5089	3700	11190
	3%	3%	3%	2%	6%
grade 1 events	76	74	72	73	130
	0%	0%	0%	0%	0%
grade 2 events	2799	2598	2999	15451	8114
	2%	2%	2%	10%	4%
grade 3 events	1487	1528	1652	3738	3896
	1%	1%	1%	2%	2%
grade 4 events	1434	1410	1520	3579	3676
	1%	1%	1%	2%	2%
grade 5 events	4341	5026	5470	11515	7633
	3%	3%	3%	7%	4%
grade 6 events	2377	2507	2906	36159	9663
	1%	1%	2%	24%	5%
grade 7 events	115488	112280	118427	74973	124333
	87%	86%	85%	50%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	138.656566	138.6509412236045	Alternating exposures requested	N	N
Pointing Dec	56.243005	56.21595573724323	Primary exposure time	0.000000	3.1
Pointing Roll	232.470891	232.6321976380972			
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	196865620.184000	196864564.02869			
Observation start date	2004-03-28T12:52:36	2004-03-28T12:36:04			
Observation end time	196888820.184000	196889444.87978			
Observation end date	2004-03-28T19:19:16	2004-03-28T19:30:44			
Read mode	TIMED	TIMED			

2.3 Aspect



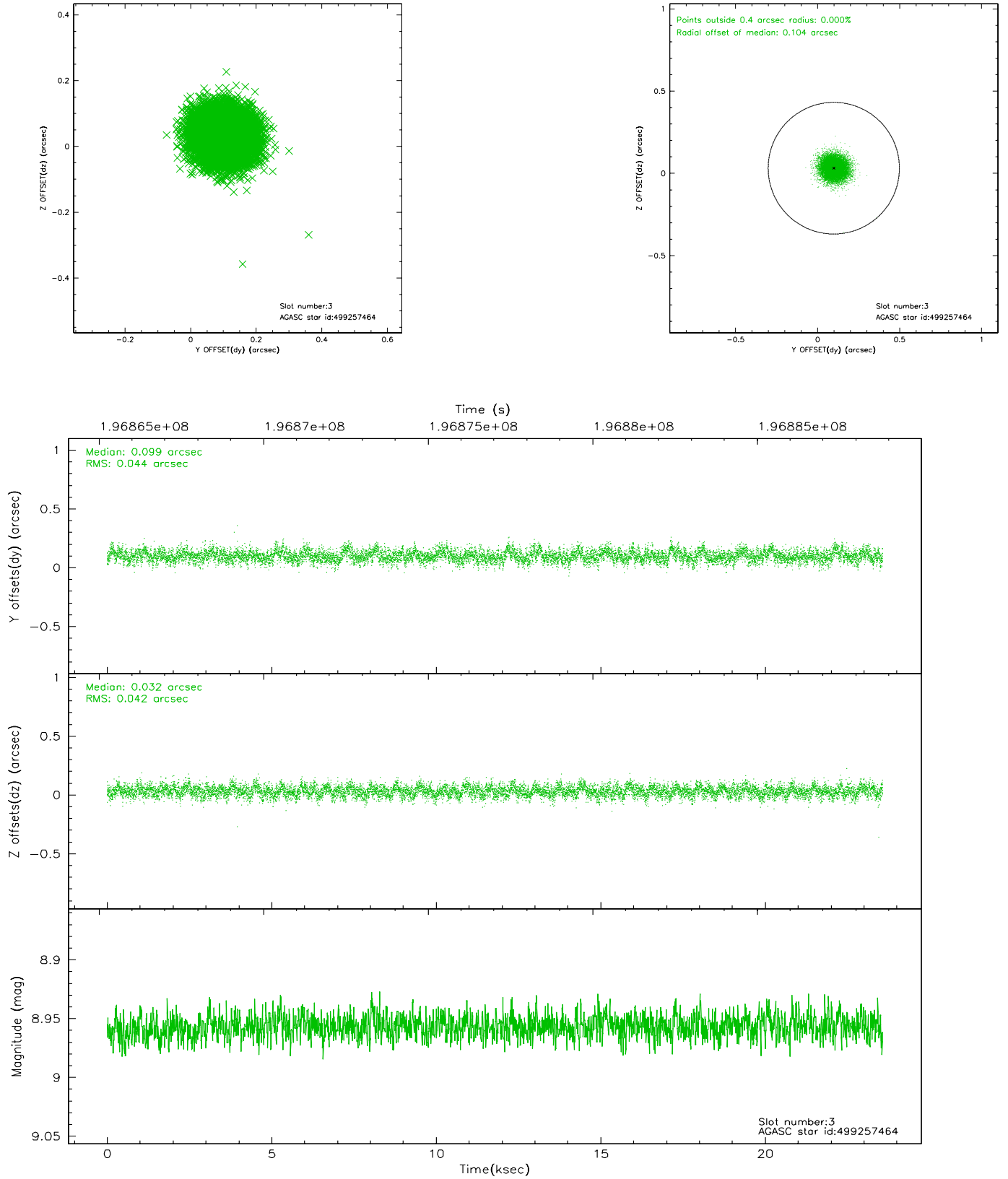


Slot Statistics

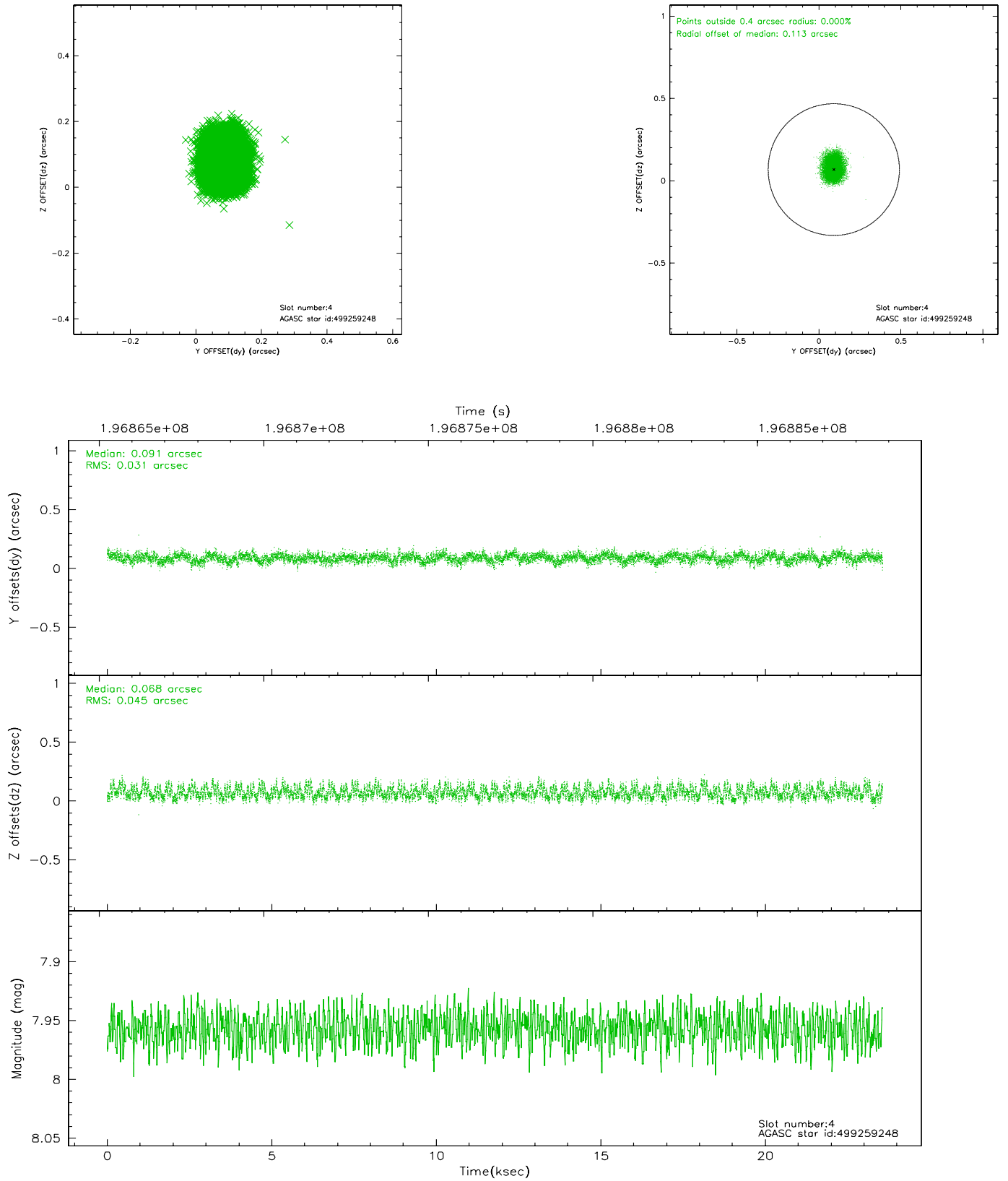
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	5751	-0.047	-0.016	0.005	0.009	0.000000	0.000000	-759.26	-1730.48
1	FID	ACIS-S-4	7.20	5751	0.035	0.033	0.006	0.010	0.000000	0.000000	2154.03	177.92
2	FID	ACIS-S-6	7.35	5751	-0.016	-0.010	0.007	0.012	0.000000	0.000000	402.92	815.42
3	GUIDE	499257464	8.96	11496	0.099	0.032	0.065	0.104	138.627188	55.900178	1015.13	705.10
4	GUIDE	499259248	7.96	11500	0.091	0.068	0.058	0.094	138.715022	55.620218	1706.05	1460.44
5	GUIDE	499261384	9.43	11497	-0.101	-0.149	0.091	0.146	138.636550	56.210569	117.27	39.54
6	GUIDE	499261608	8.87	11494	-0.065	0.095	0.069	0.112	138.977392	56.064652	115.49	901.83
7	GUIDE	499263632	9.01	11489	-0.027	-0.050	0.082	0.129	138.052870	56.804949	-883.32	-2178.99

2.4 Star Slots

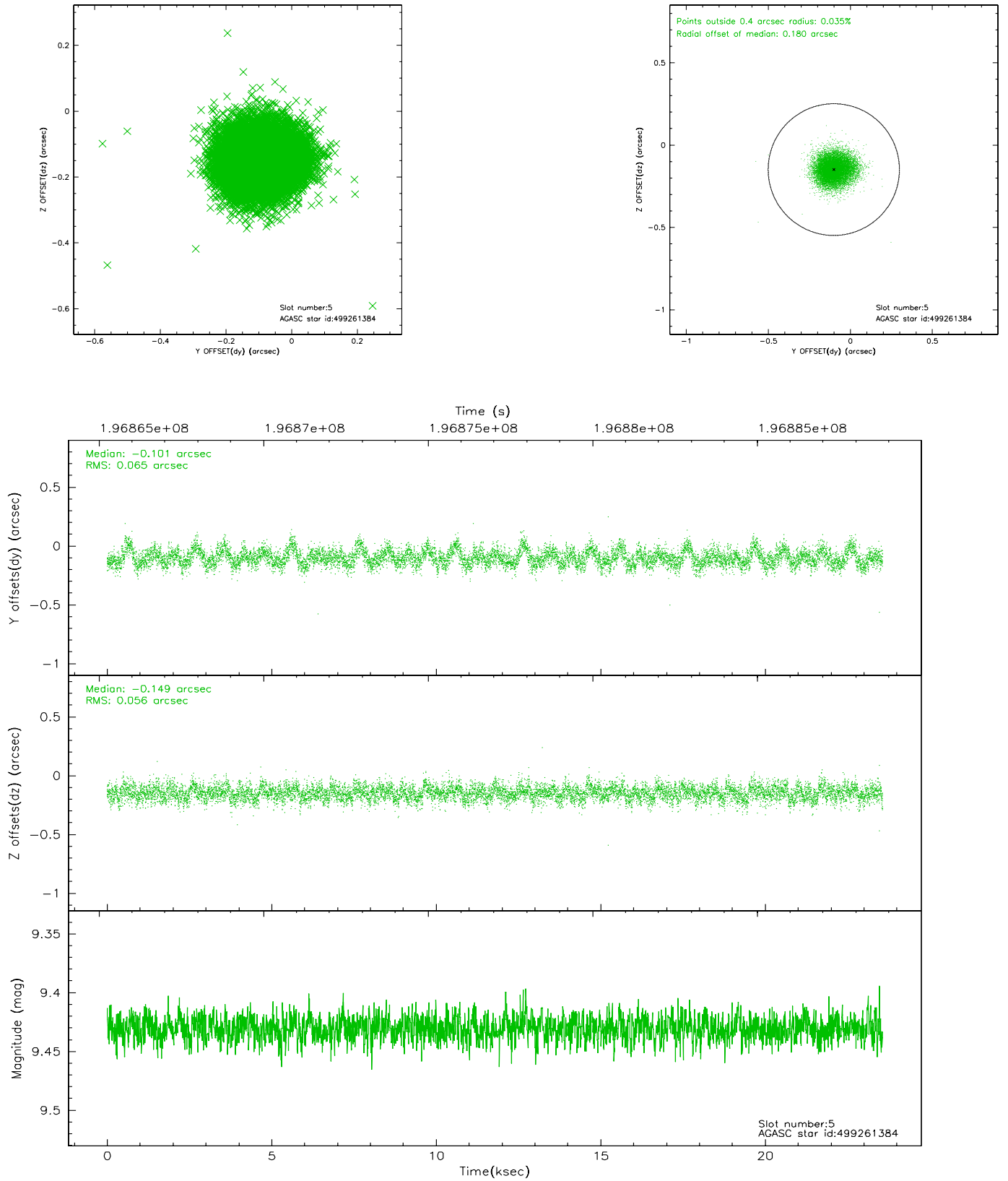
2.4.1 Slot 3



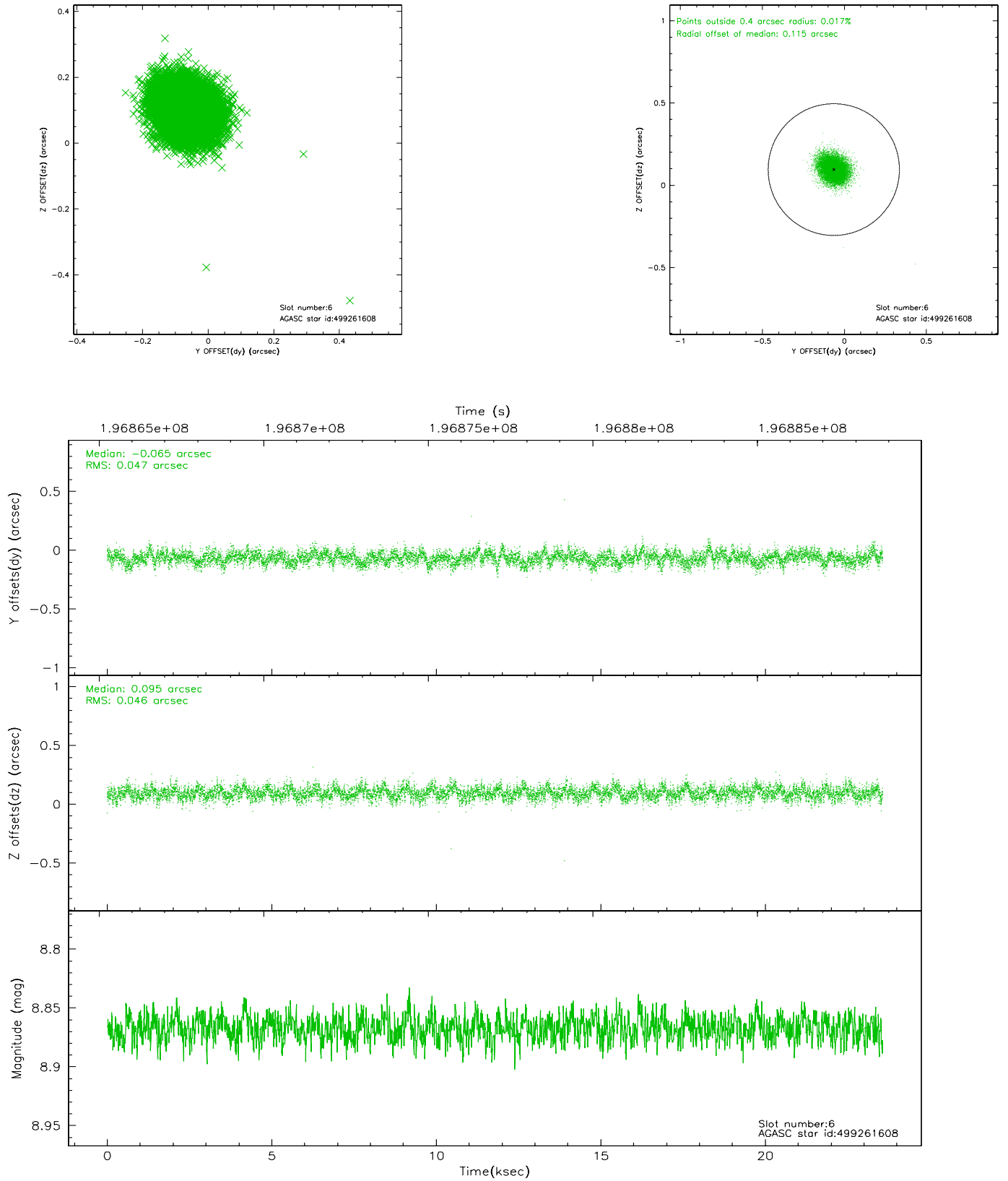
2.4.2 Slot 4



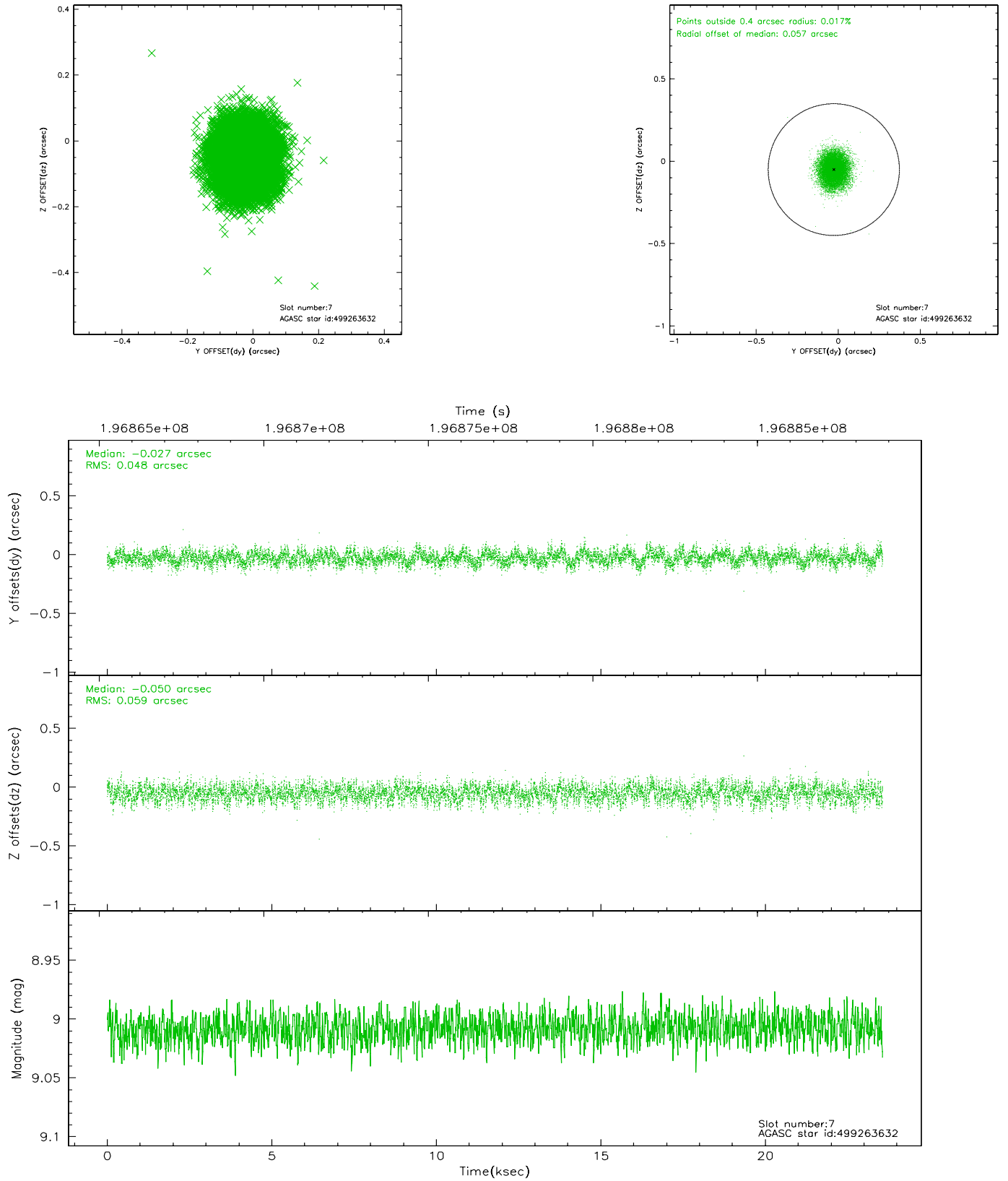
2.4.3 Slot 5



2.4.4 Slot 6

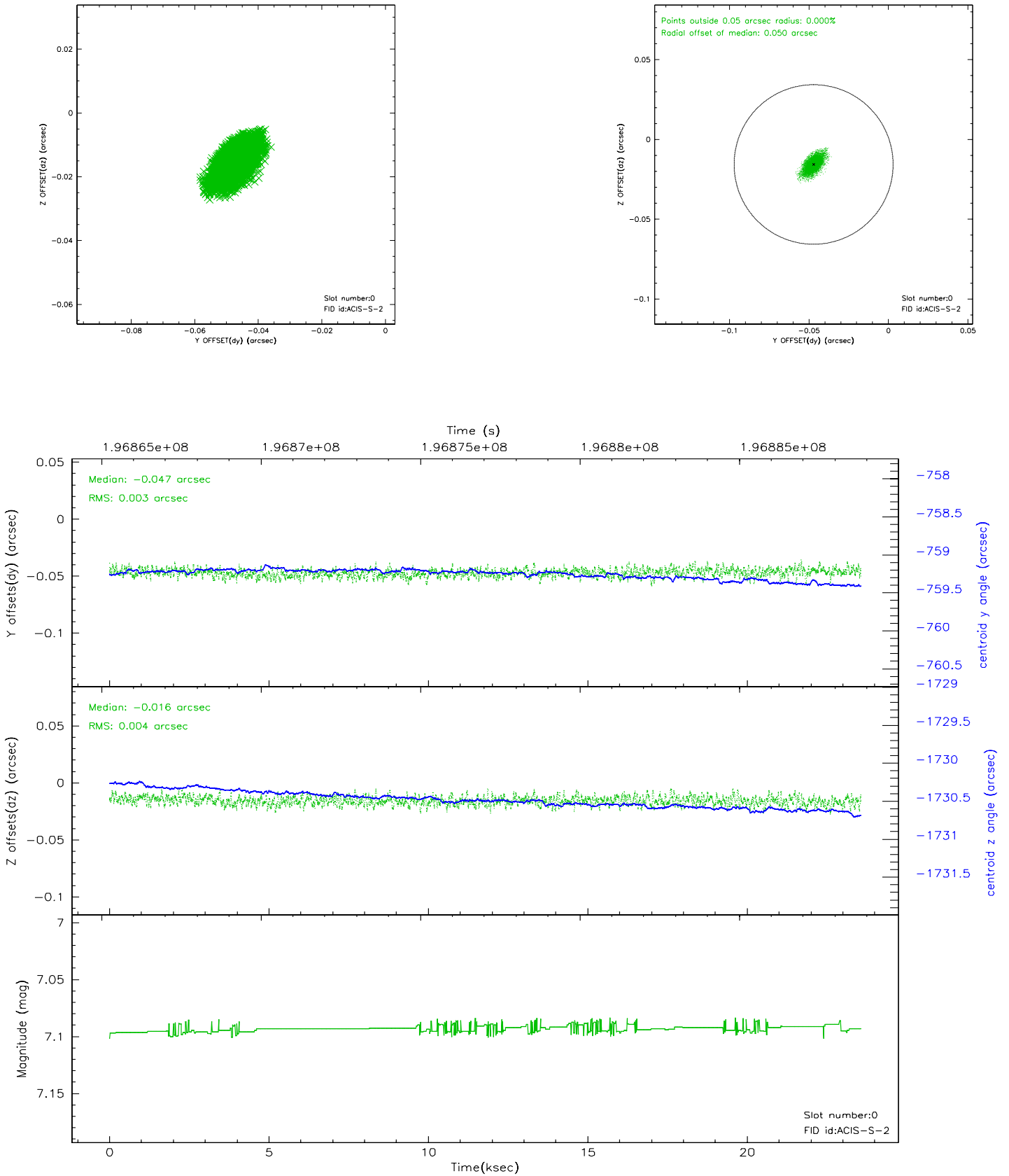


2.4.5 Slot 7

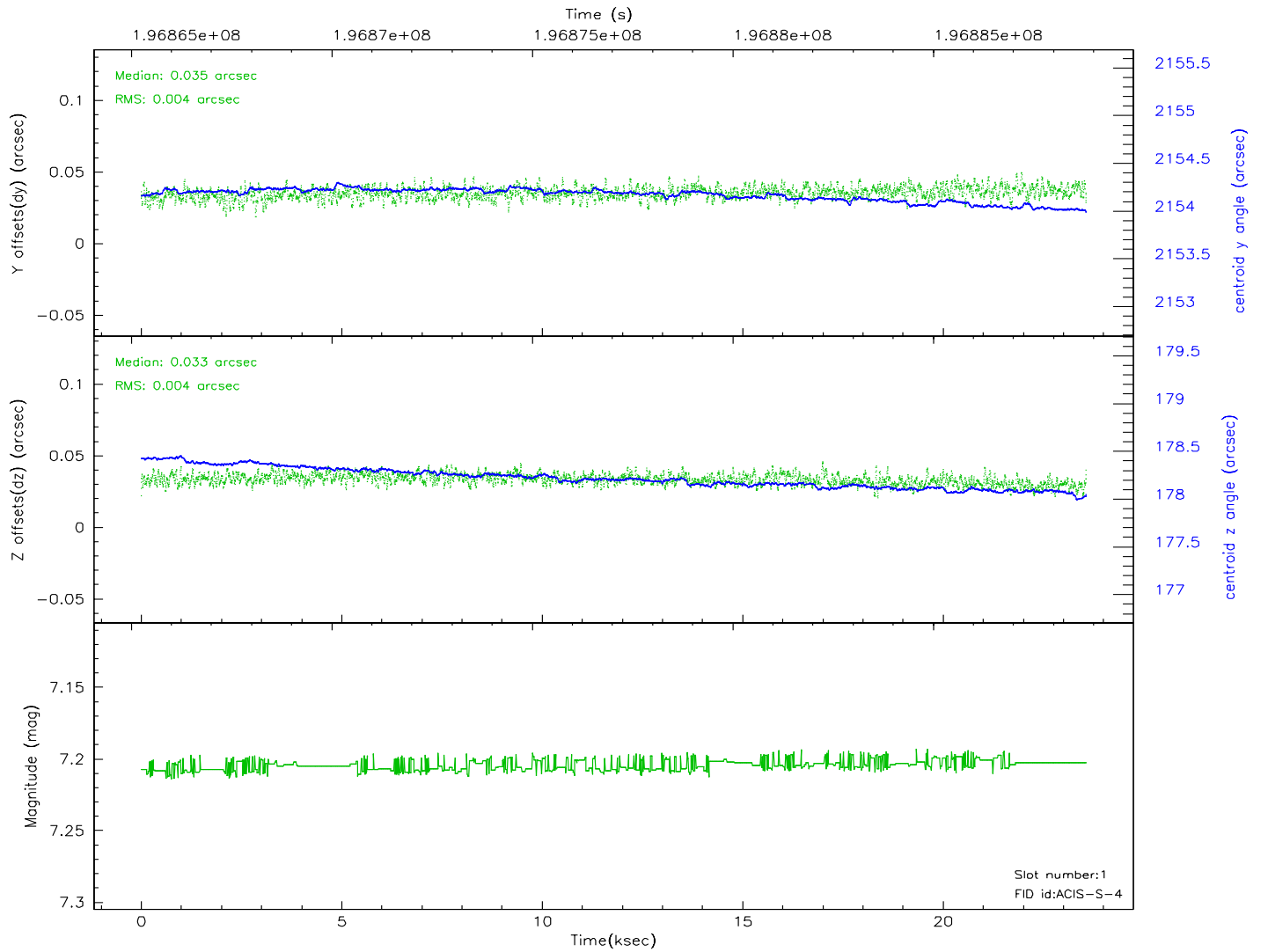
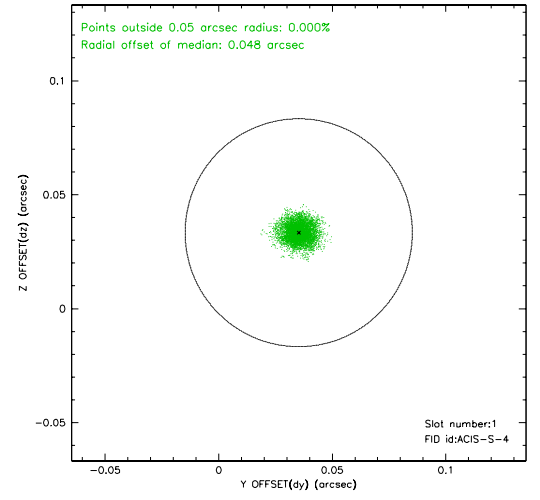
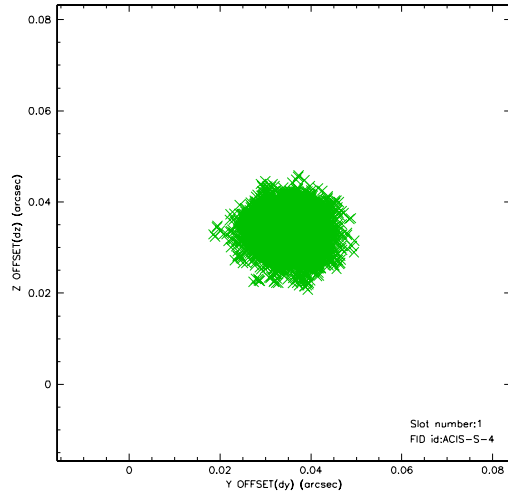


2.5 FID Slots

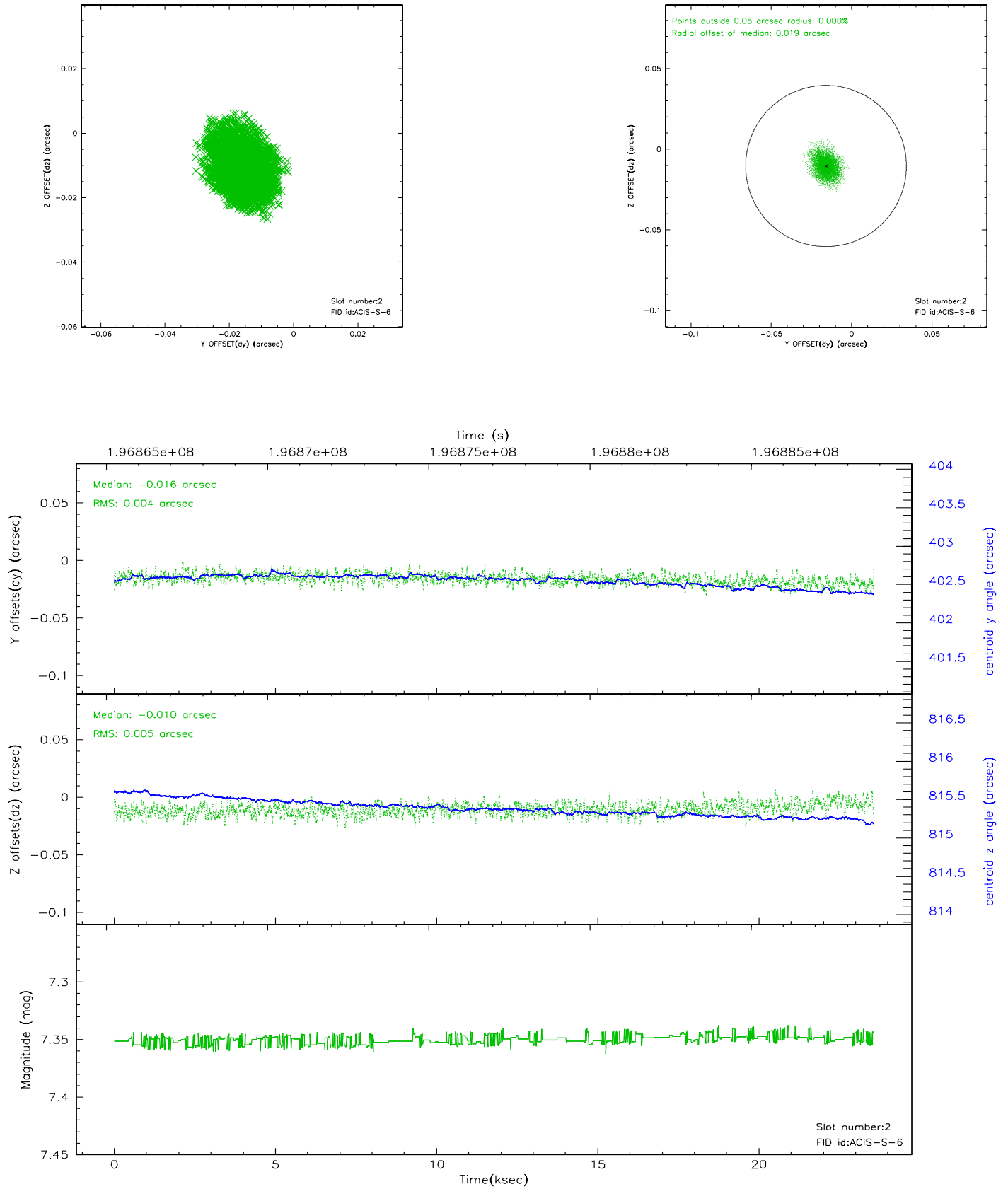
2.5.1 Slot 0



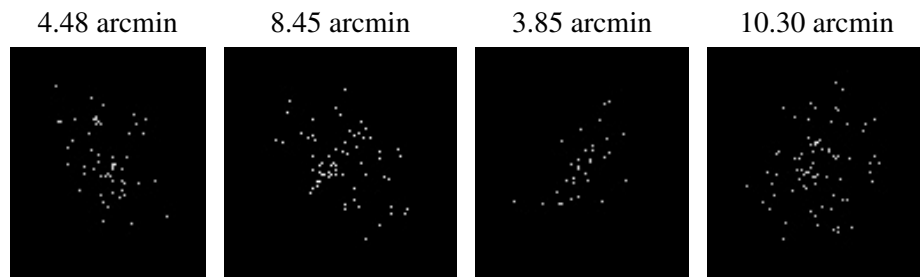
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.302

A.2 Comments