

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4443 - L2 Version 001
Chandra X-Ray Center

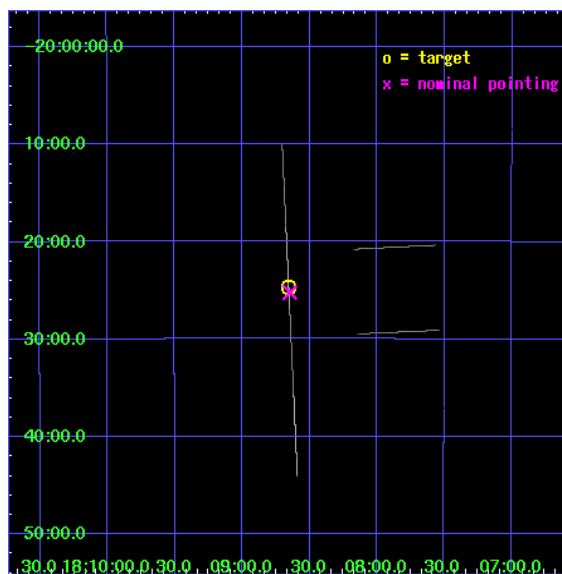
L2 Processing Date : Jul 12 2006

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1 Front

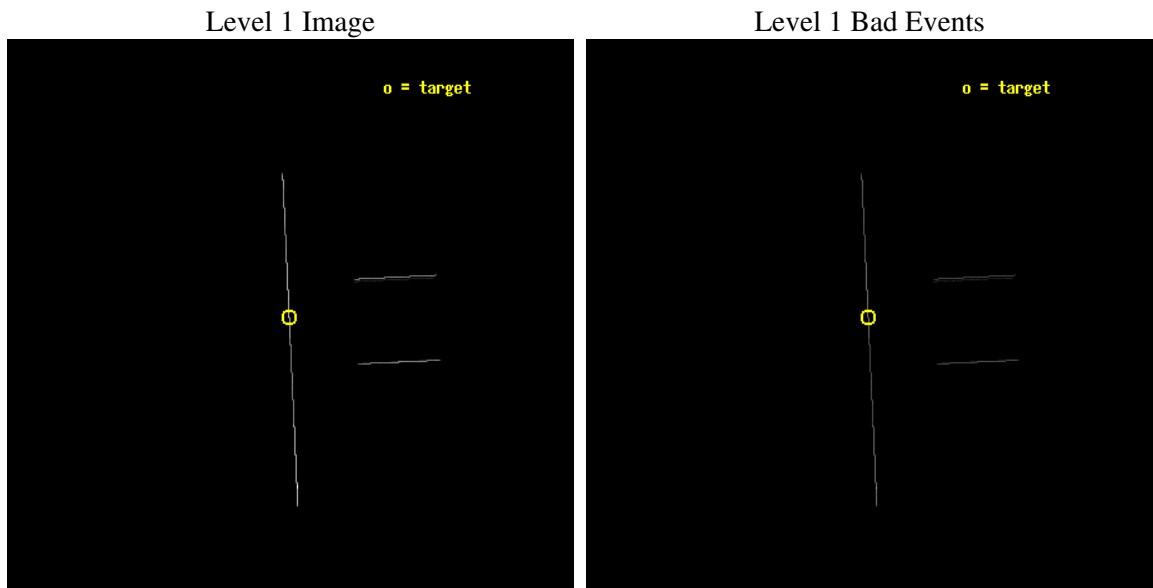
seq_num	500412
obs_id	4443
title	ToO observations of SGR 1806-20 in an active state
observer	Dr. Peter Woods
object	SGR 1806-20
ra_targ	272.16375
dec_targ	-20.410972
ra_nom	272.16145671297
dec_nom	-20.42038437041
roll_nom	267.30255006199
revision	2
ontime	25121.25
livetime	25023.120117188
ontime2	25121.25
ontime3	25121.25
ontime5	25121.25
ontime6	25121.25
ontime7	25121.25
ontime8	25121.25
l2events	302365



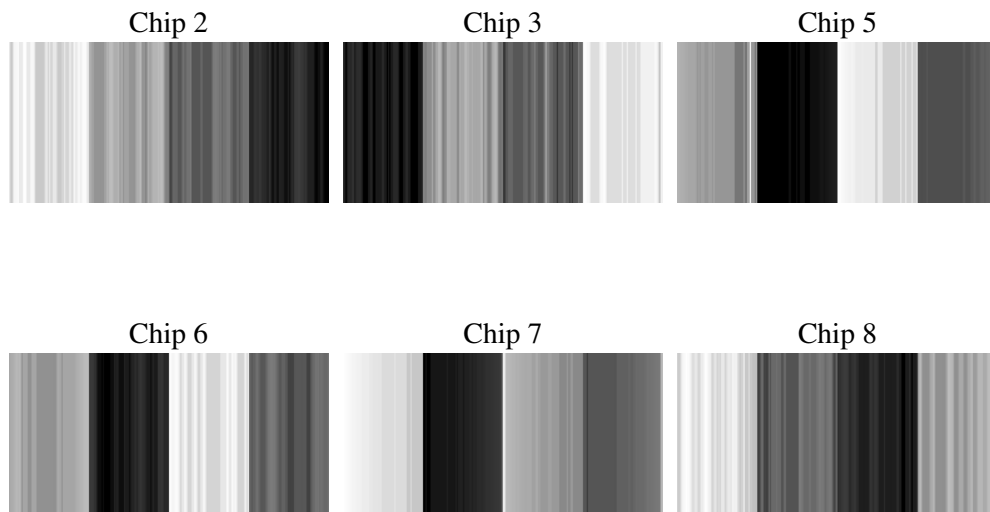
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-12T21:13:30
revision	2

sched_exp_time	25000.000000
ontime	26293.101948678
ontime2	26293.097269416
ontime3	26291.586288214
ontime5	26291.642810166
ontime6	26291.642785728
ontime7	26293.101948678
ontime8	26293.101924479
l1events	463324

2.1.4 Events

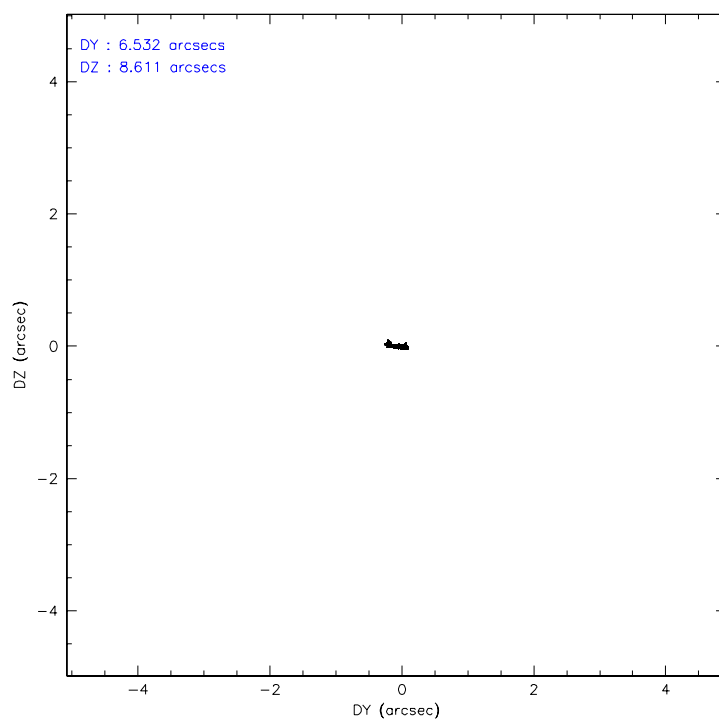
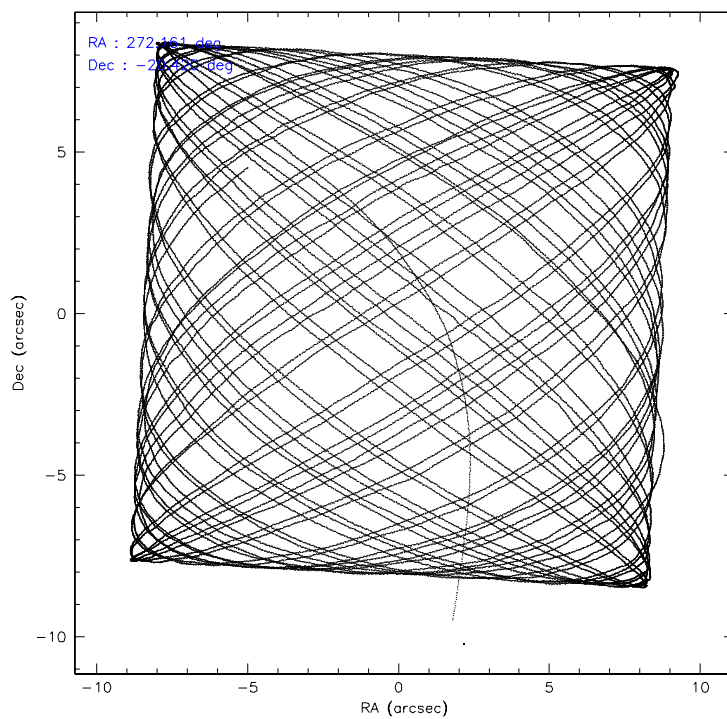
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33429	35681	166513	37170	122770	67761
rejected events	7069	7737	19796	8427	20628	12106
rejected %	21%	21%	11%	22%	16%	17%

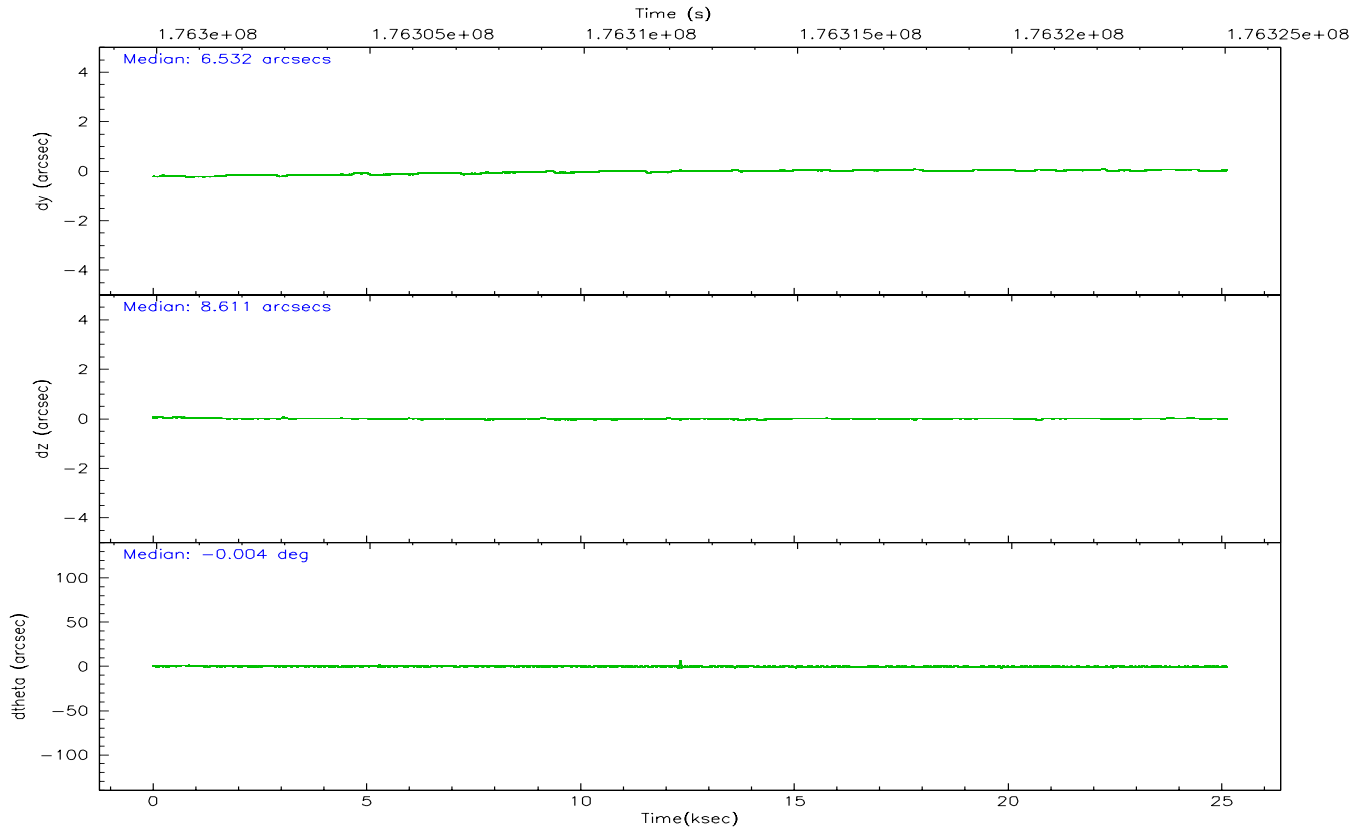
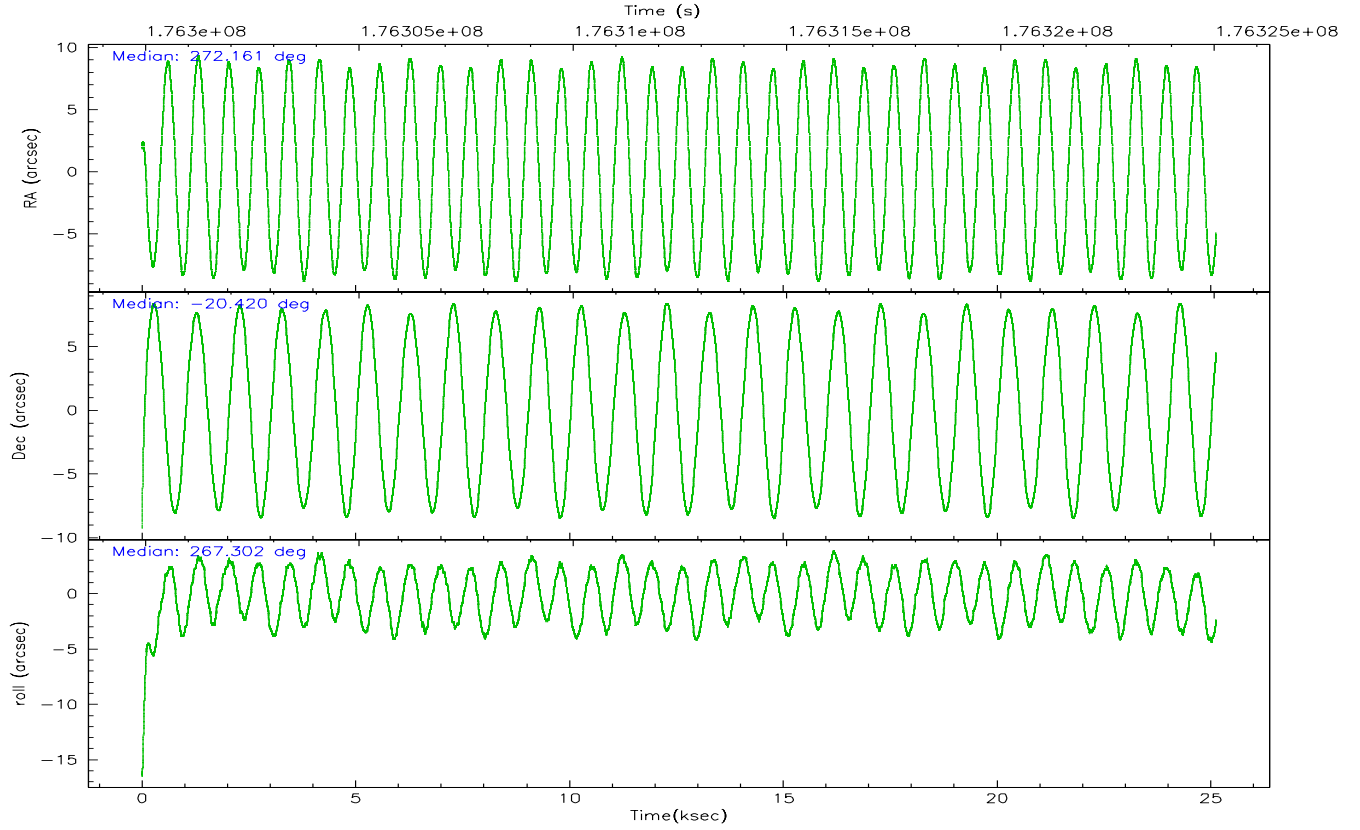
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4130	3837	38377	3771	7598	11025
	12%	10%	23%	10%	6%	16%
grade 1 events	141	115	153	147	197	237
	0%	0%	0%	0%	0%	0%
grade 2 events	10648	11130	40704	12169	28463	18428
	31%	31%	24%	32%	23%	27%
grade 3 events	3553	4355	2695	3653	5135	6784
	10%	12%	1%	9%	4%	10%
grade 4 events	3602	3766	2569	3480	5071	6435
	10%	10%	1%	9%	4%	9%
grade 5 events	5755	6269	12995	6938	16198	9428
	17%	17%	7%	18%	13%	13%
grade 6 events	5600	6209	69020	7012	60108	15424
	16%	17%	41%	18%	48%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	272.147787	272.1614567129747	Alternating exposures requested	N	N
Pointing Dec	-20.396371	-20.42038437040953	Primary exposure time	0.000000	0
Pointing Roll	267.141161	267.3025500619919			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	176300048.184000	176298757.11269			
Observation start date	2003-08-03T12:13:04	2003-08-03T11:52:37			
Observation end time	176325048.184000	176325605.45133			
Observation end date	2003-08-03T19:09:44	2003-08-03T19:20:05			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



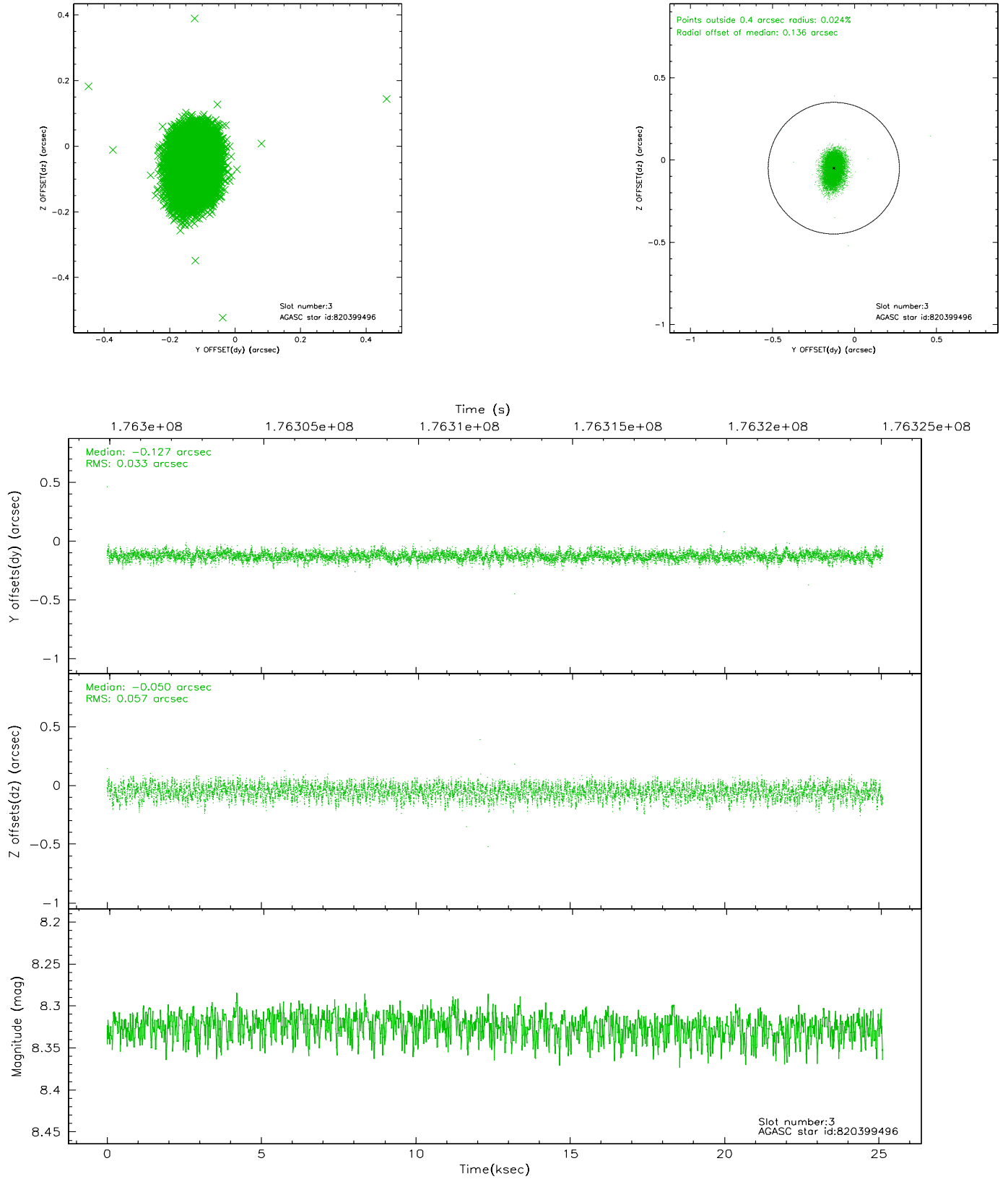


Slot Statistics

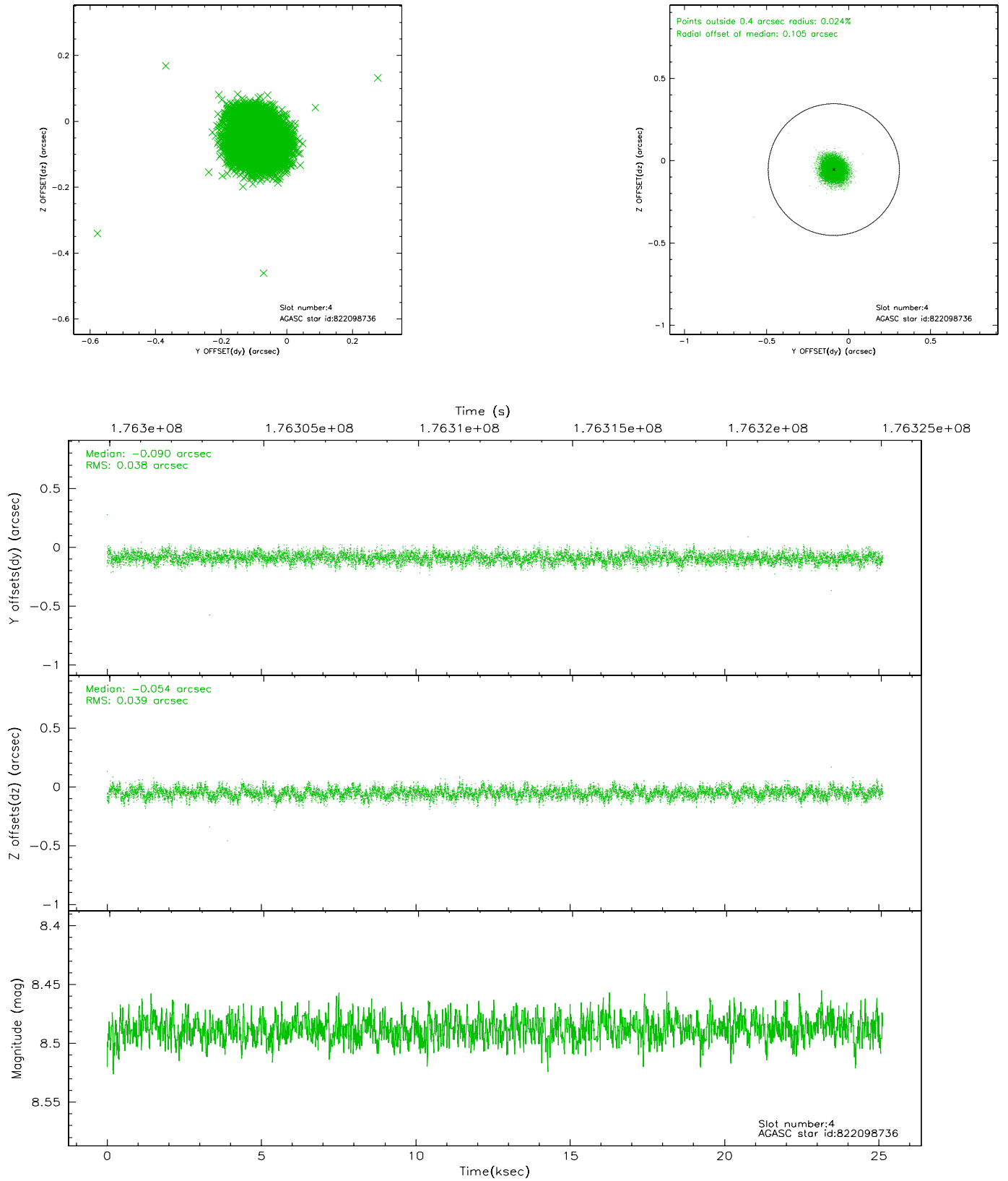
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6126	-0.027	0.003	0.005	0.009	0.000000	0.000000	-759.27	-1729.76
1	FID	ACIS-S-4	7.20	6129	0.013	0.026	0.006	0.010	0.000000	0.000000	2154.00	178.61
2	FID	ACIS-S-6	7.35	6129	-0.013	-0.022	0.007	0.012	0.000000	0.000000	402.89	816.10
3	GUIDE	820399496	8.32	12252	-0.127	-0.050	0.070	0.116	271.495152	-19.953854	-1476.49	-2284.86
4	GUIDE	822098736	8.49	12252	-0.090	-0.054	0.058	0.093	272.269355	-19.875225	-1894.12	317.46
5	GUIDE	822616024	8.43	12256	0.151	0.020	0.052	0.084	272.218514	-20.919122	1868.10	331.82
6	GUIDE	822617304	8.97	12250	0.110	0.103	0.065	0.105	272.421826	-20.831304	1519.13	999.40
7	GUIDE	822098528	9.18	12249	-0.044	-0.014	0.066	0.108	272.282761	-19.863413	-1938.53	361.01

2.4 Star Slots

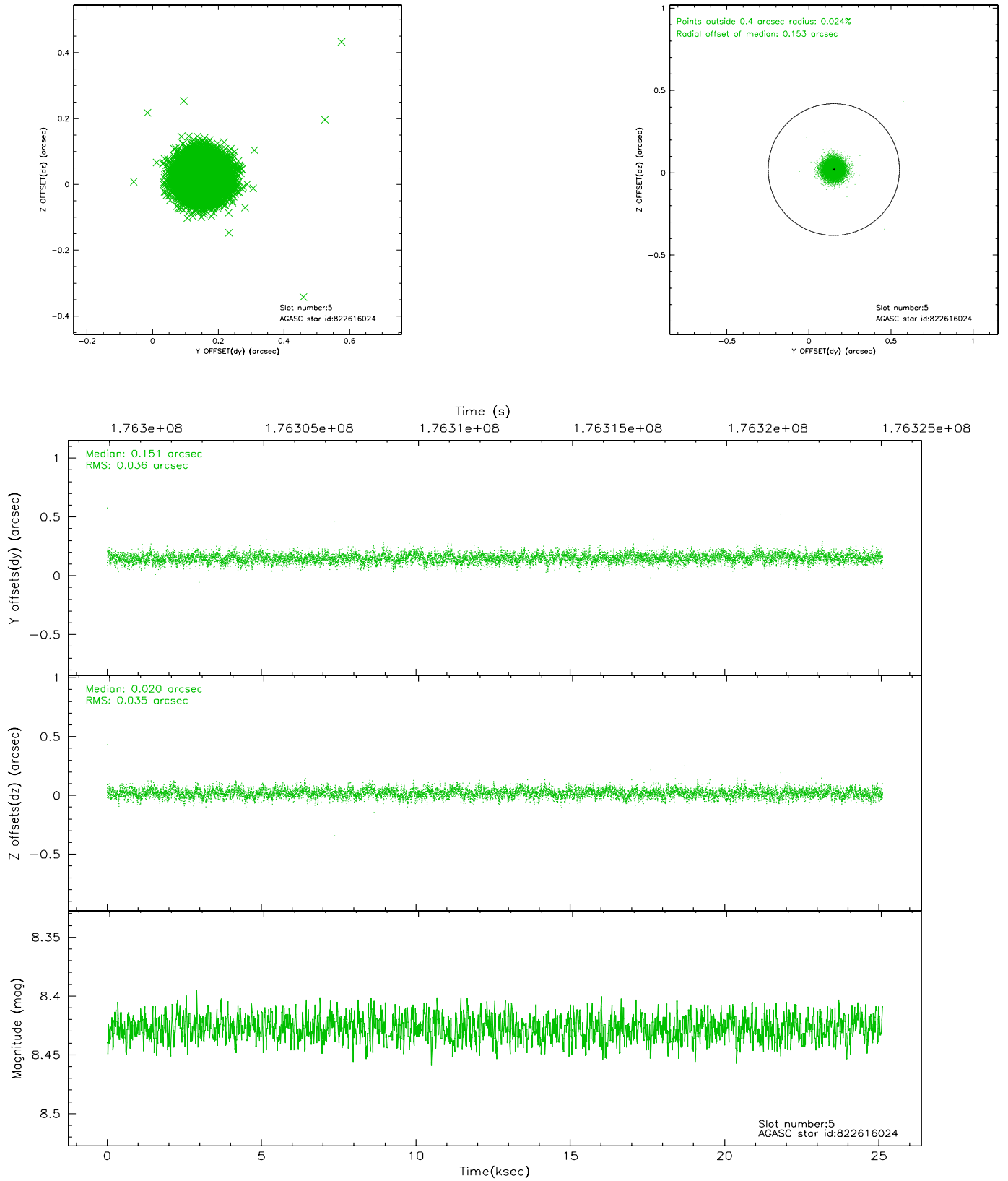
2.4.1 Slot 3



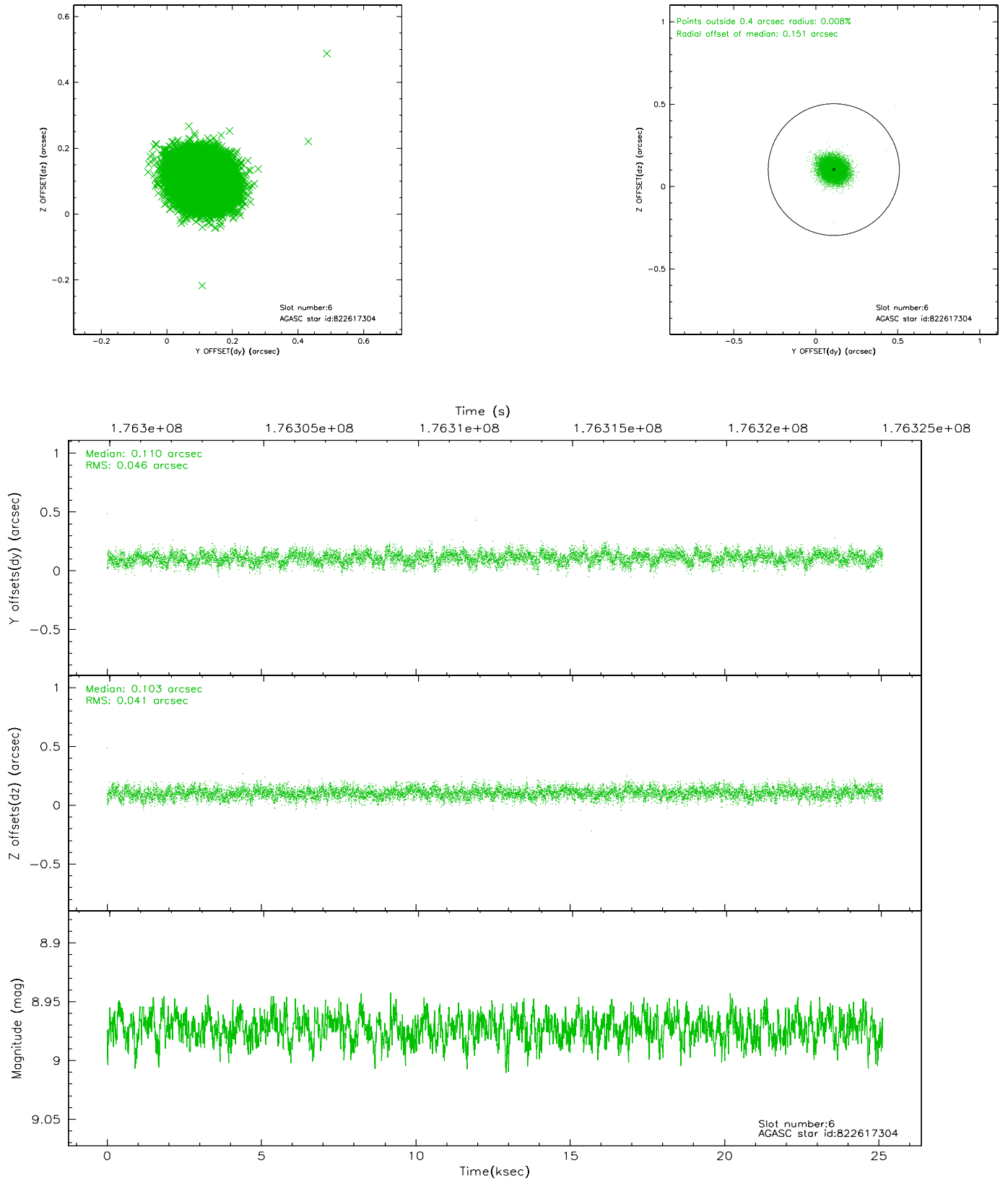
2.4.2 Slot 4



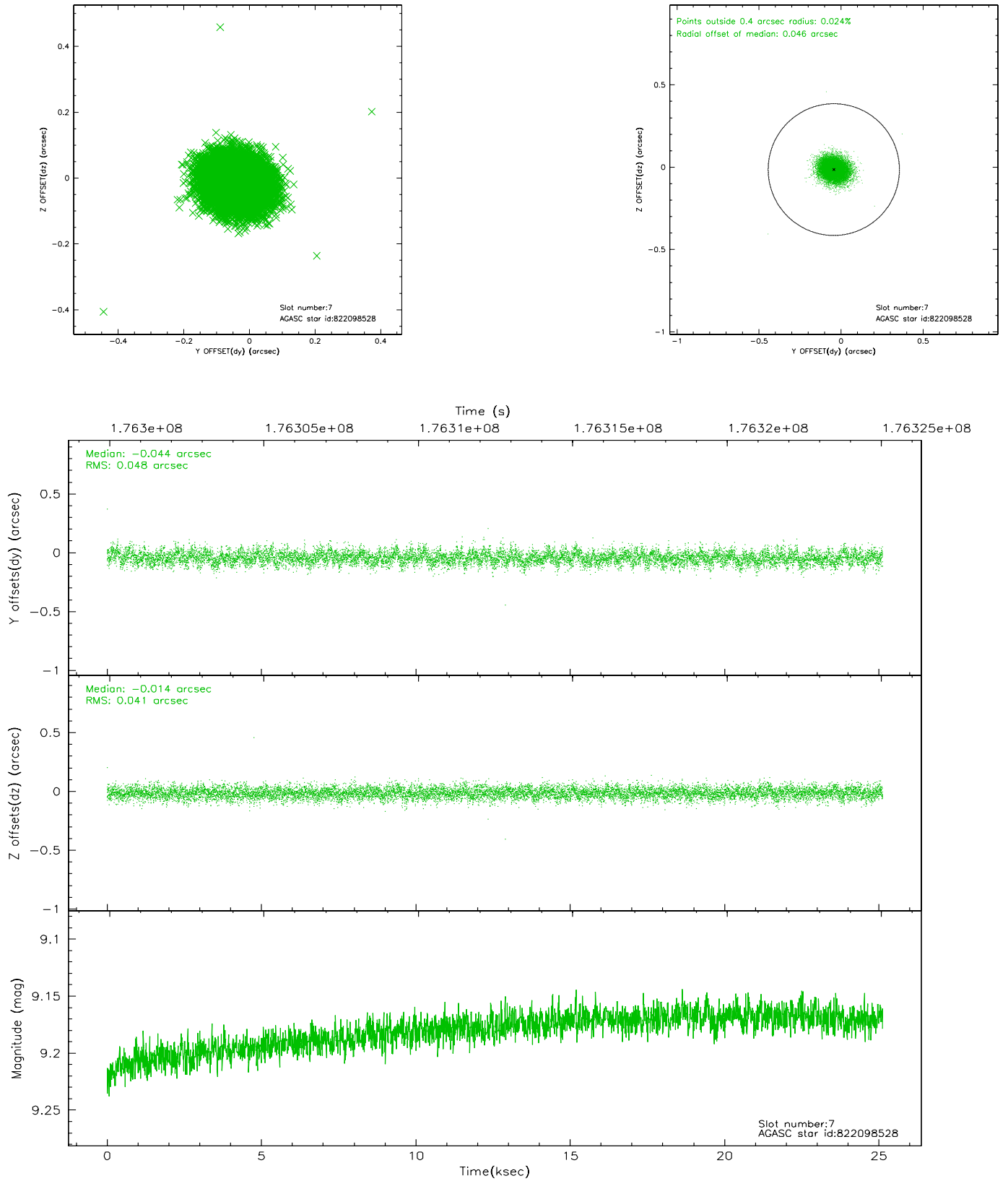
2.4.3 Slot 5



2.4.4 Slot 6

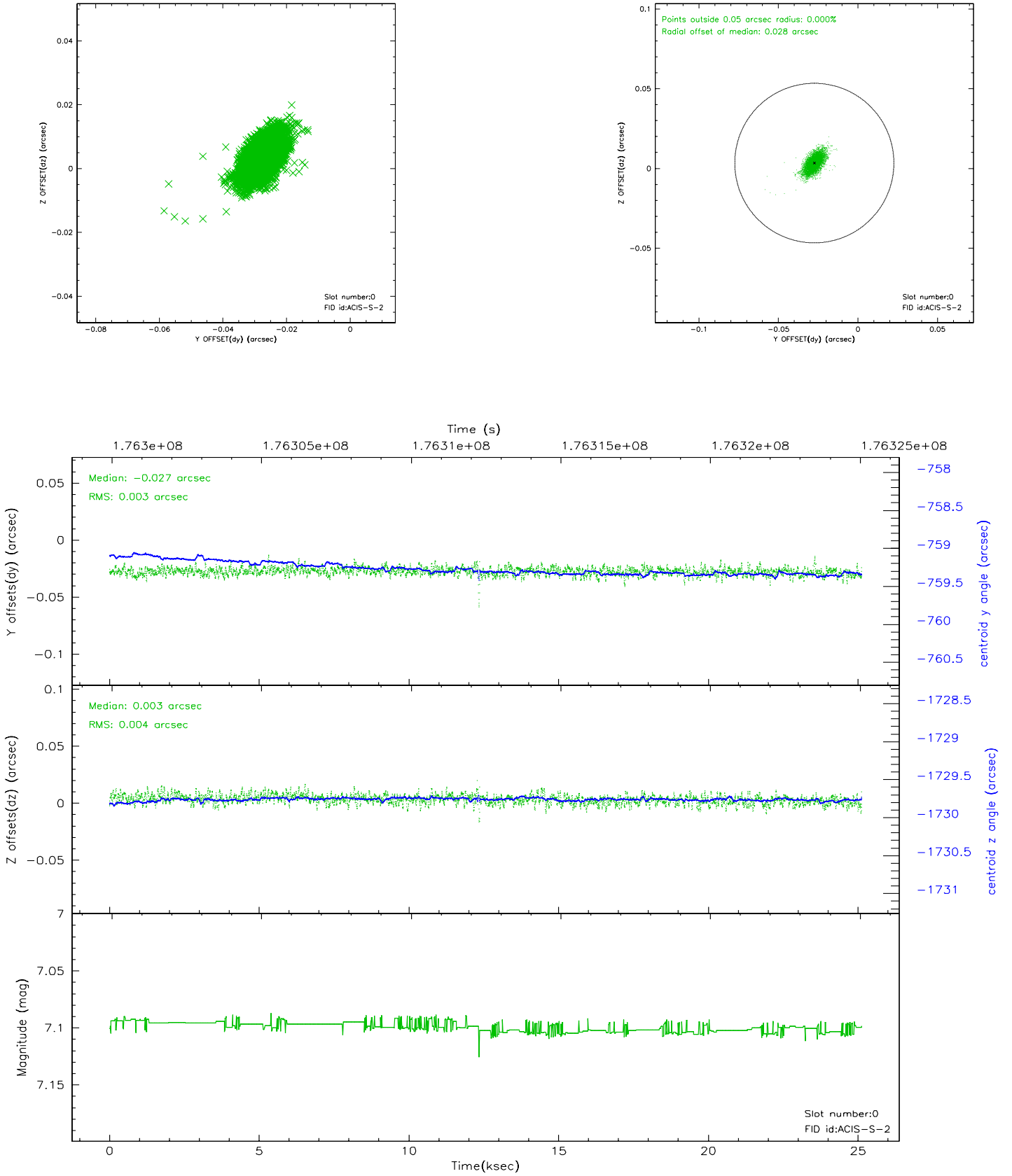


2.4.5 Slot 7

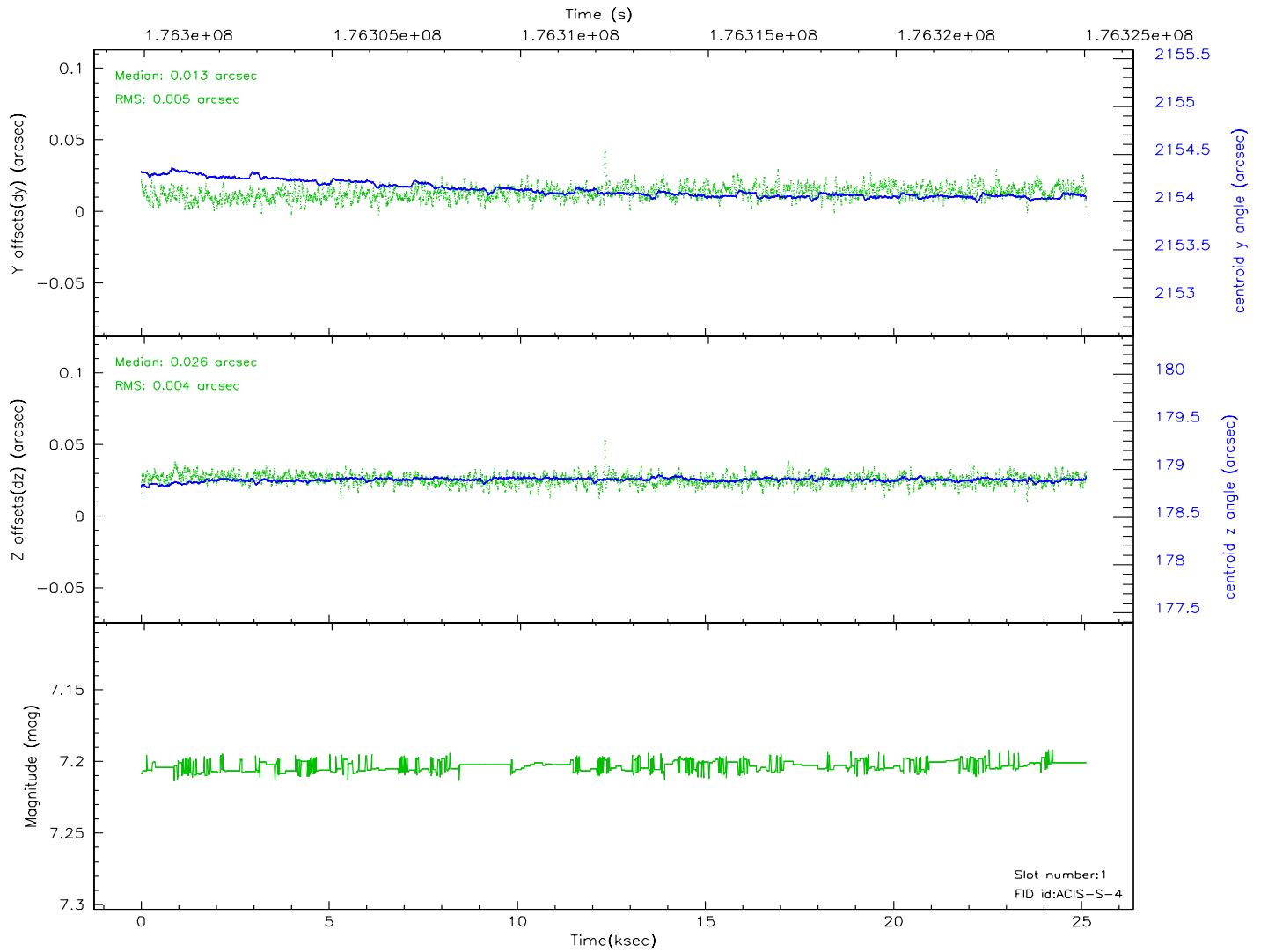
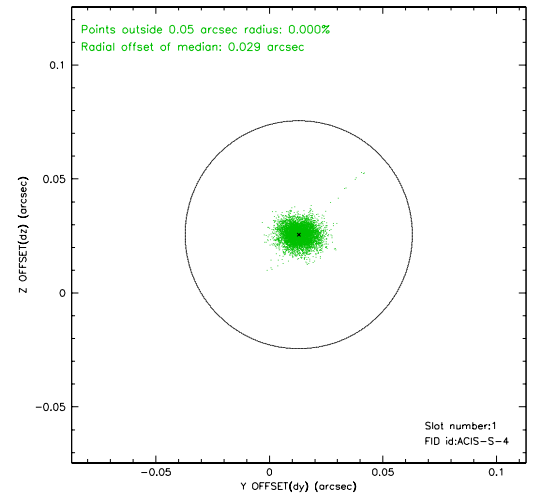
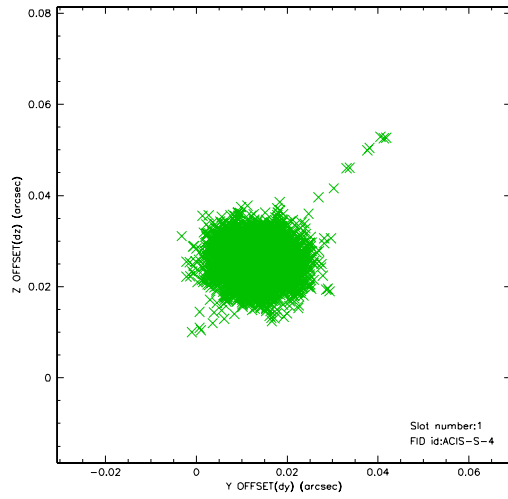


2.5 FID Slots

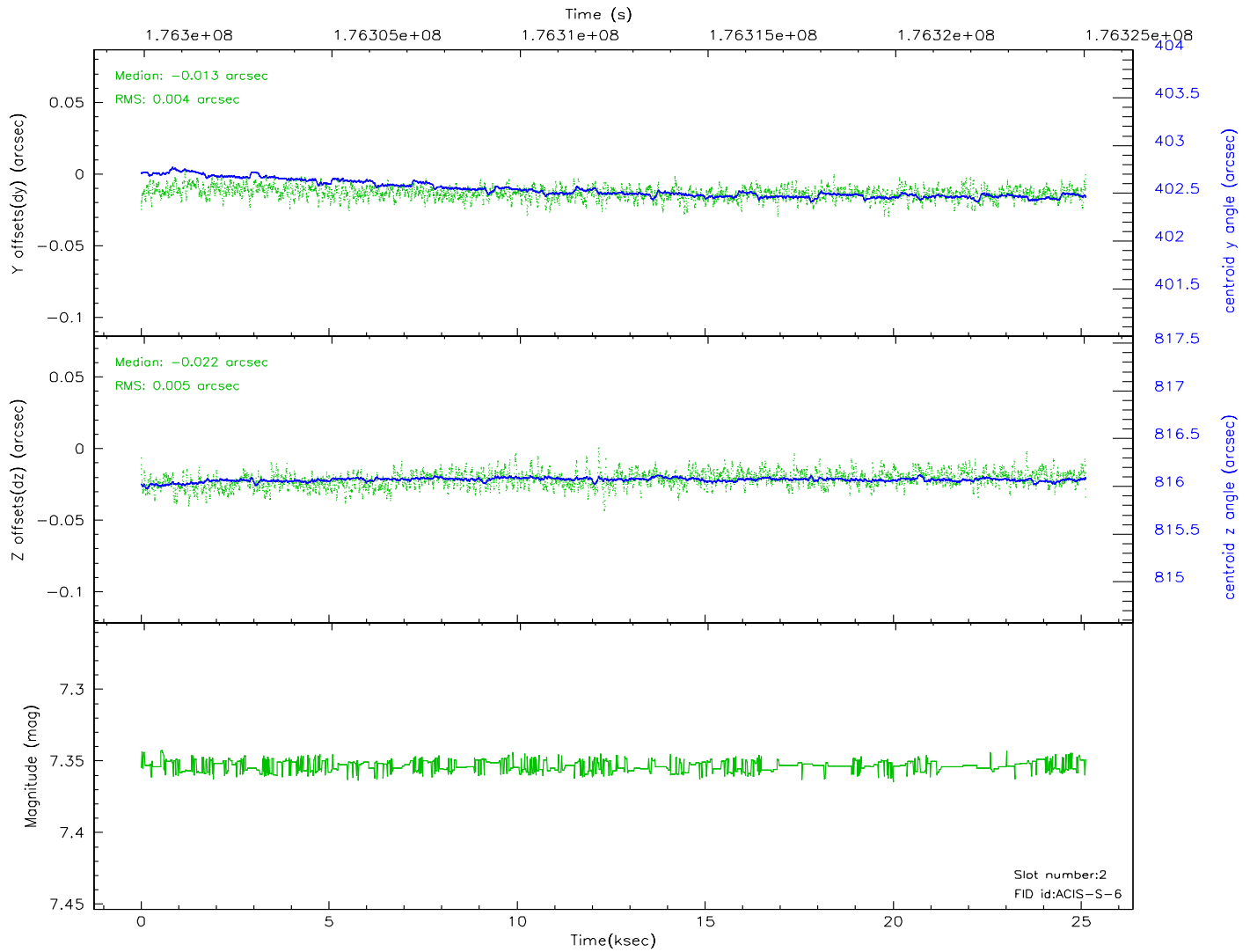
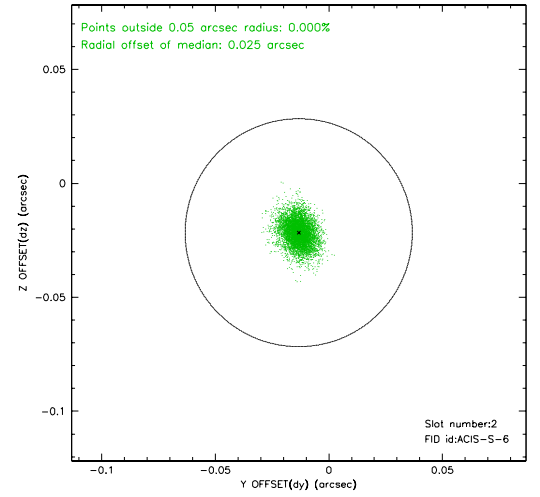
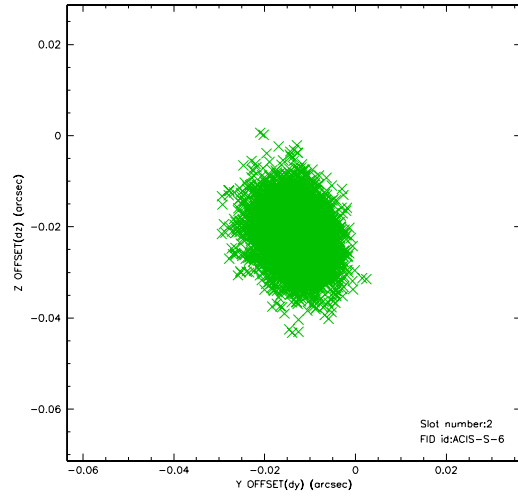
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.125

A.2 Comments