

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4206 - L2 Version 001
Chandra X-Ray Center

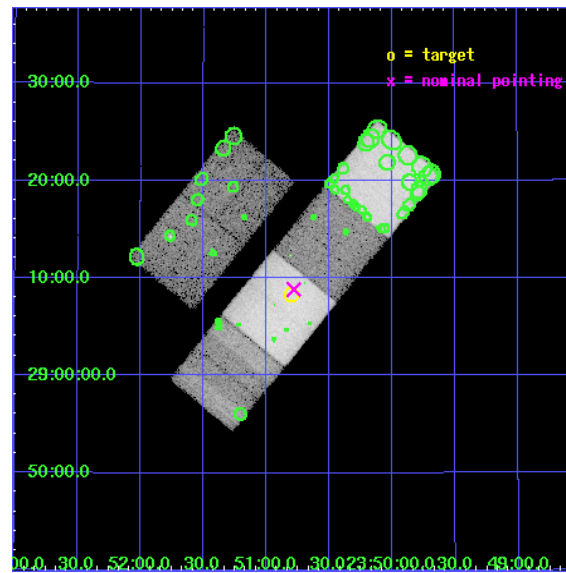
L2 Processing Date : Jul 12 2006

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1 Front

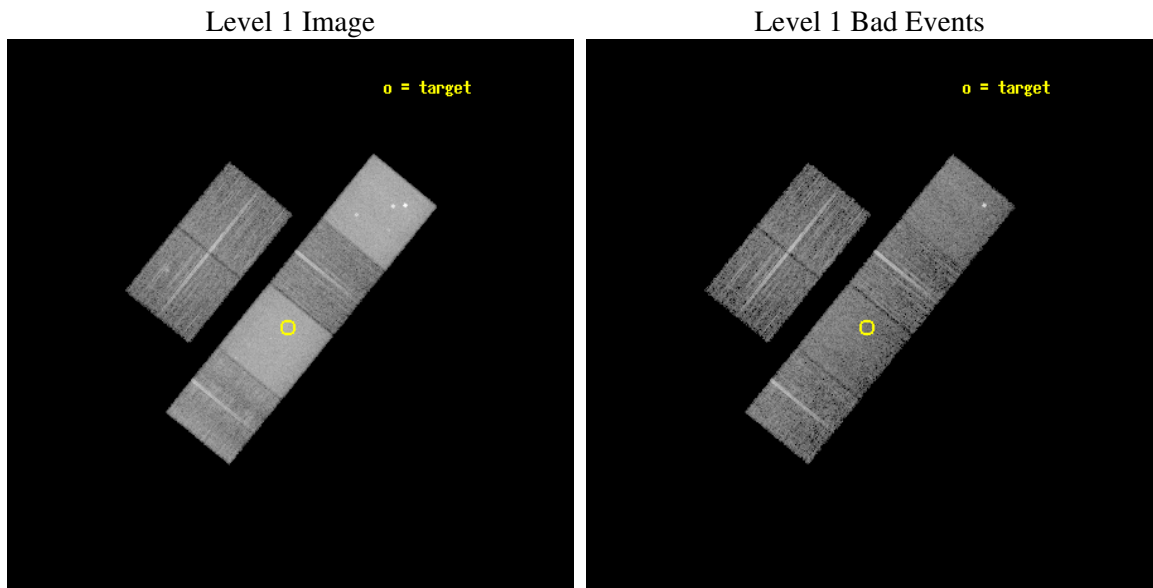
seq_num	800362
obs_id	4206
title	THE NATURE OF LOW SURFACE BRIGHTNESS X-RAY CLUSTERS OF GALAXIES
observer	Prof. David Buote
object	3810
dtcycle	0
cycle	P
ra_targ	357.700833
dec_targ	29.139056
ra_nom	357.69544420102
dec_nom	29.14748053376
roll_nom	129.17315888608
revision	2
ontime	11806.365362525
livetime	11656.866055365
ontime2	10464.597941309
ontime3	10642.85212341
ontime5	11806.365601599
ontime6	10652.575801045
ontime7	11806.365362525
ontime8	10720.636773854
l2events	312217



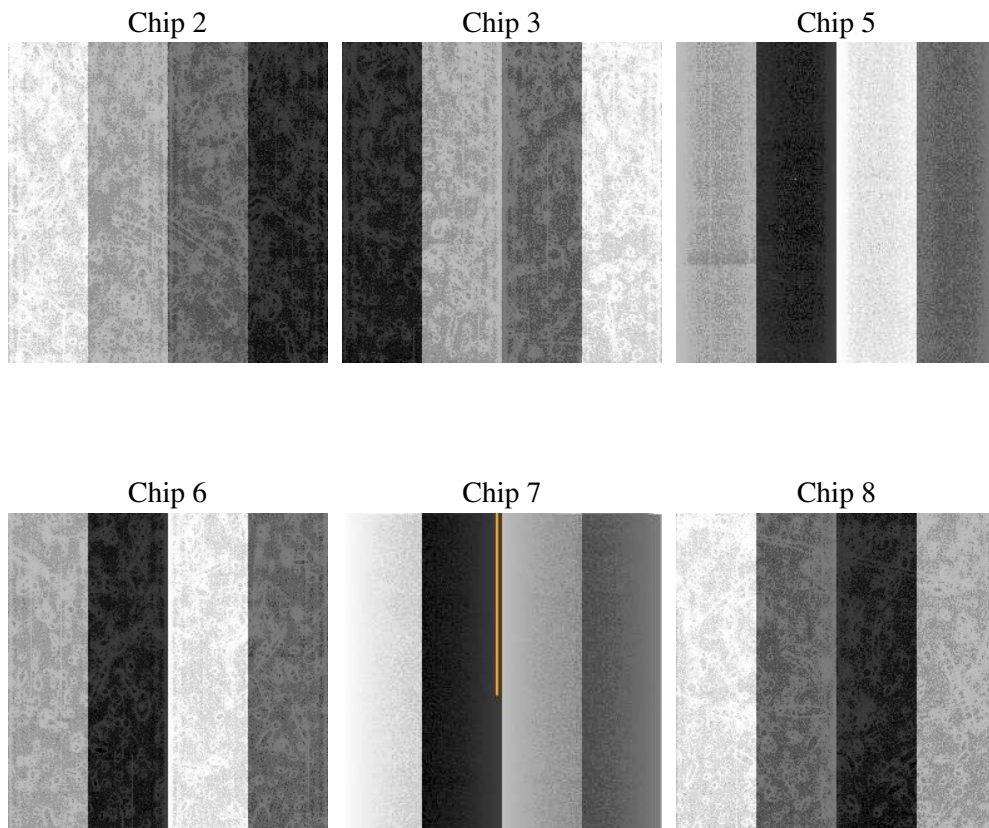
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-12T15:01:58
revision	2

sched_exp_time	12223.000000
ontime	11810.225237727
ontime2	10468.457816511
ontime3	10646.711998612
ontime5	11810.225476801
ontime6	10656.435676247
ontime7	11810.225237727
ontime8	10724.496649057
l1events	650298

2.1.4 Events

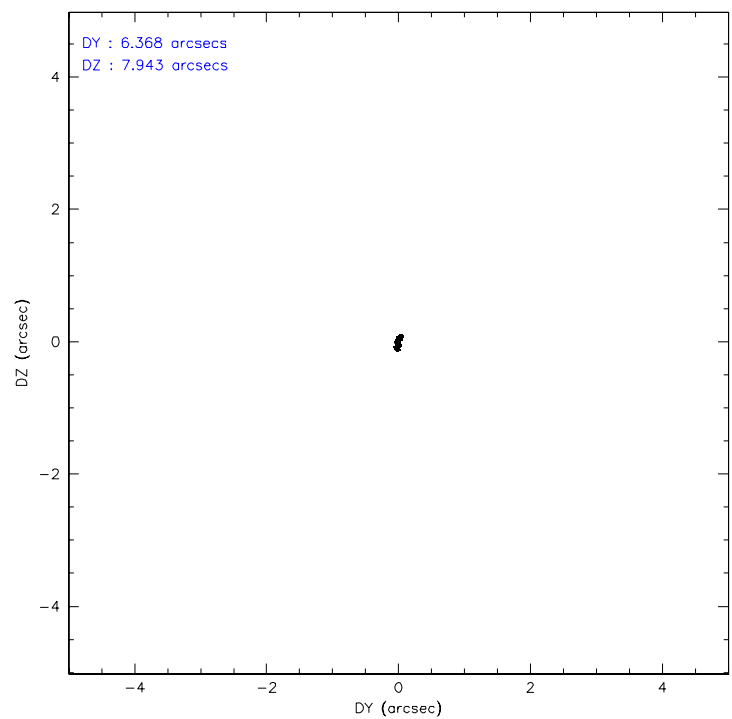
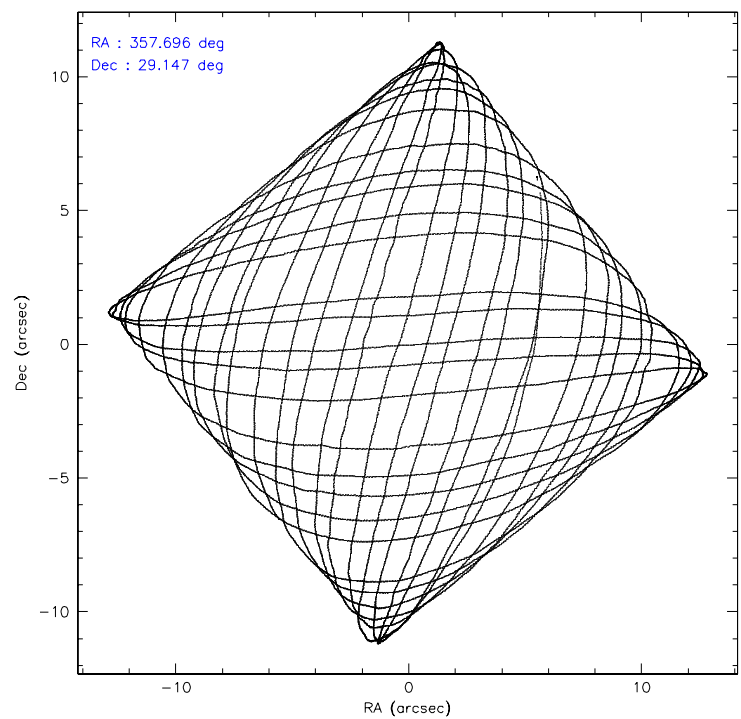
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	66360	63126	182910	72080	170923	94899
rejected events	52274	48463	56721	51264	49095	54094
rejected %	78%	76%	31%	71%	28%	57%

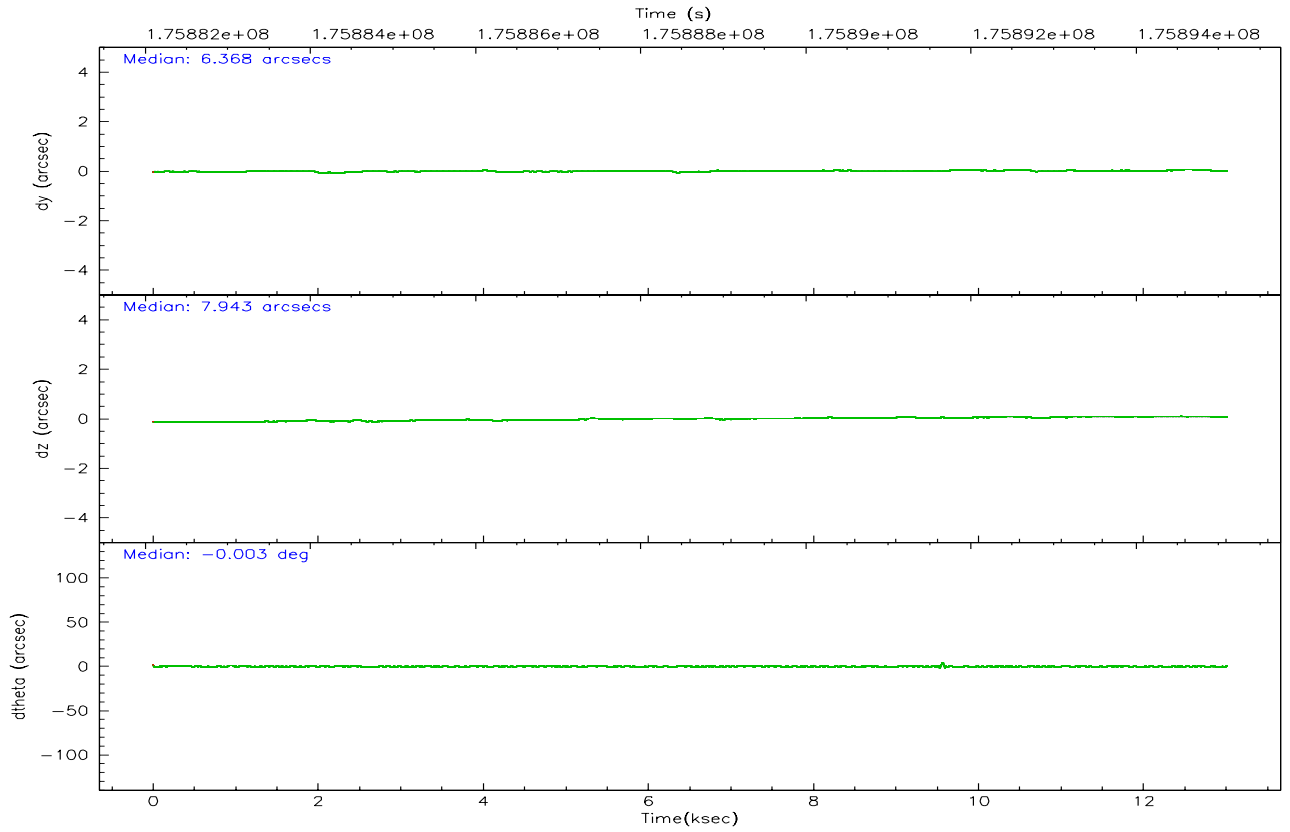
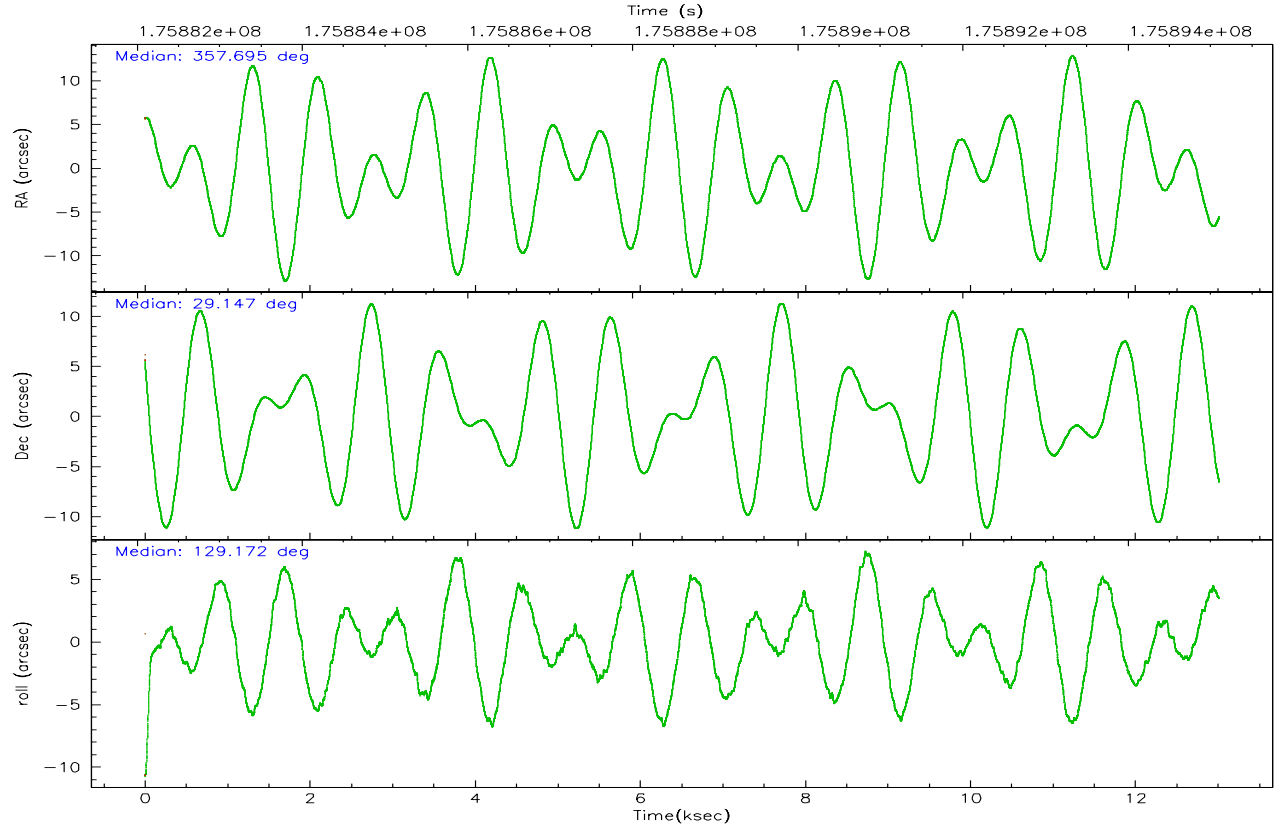
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8826	9185	14352	14132	10833	24350
	13%	14%	7%	19%	6%	25%
grade 1 events	77	54	1001	63	42	139
	0%	0%	0%	0%	0%	0%
grade 2 events	2116	2107	41103	2567	25863	5806
	3%	3%	22%	3%	15%	6%
grade 3 events	890	941	4732	1065	7137	2758
	1%	1%	2%	1%	4%	2%
grade 4 events	874	920	4743	1079	6883	2616
	1%	1%	2%	1%	4%	2%
grade 5 events	1835	2064	5594	2132	5815	3008
	2%	3%	3%	2%	3%	3%
grade 6 events	1388	1516	61298	1981	71148	5286
	2%	2%	33%	2%	41%	5%
grade 7 events	50354	46339	50087	49061	43202	50936
	75%	73%	27%	68%	25%	53%

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	357.724733	357.6954442010222	Alternating exposures requested	N	N
Pointing Dec	29.138168	29.14748053375953	Primary exposure time	0.000000	3.2
Pointing Roll	129.002270	129.1731588860779			
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	175882886.184000	175881623.6074			
Observation start date	2003-07-29T16:20:22	2003-07-29T16:00:23			
Observation end time	175895109.184000	175895592.82049			
Observation end date	2003-07-29T19:44:05	2003-07-29T19:53:12			
Read mode	TIMED	TIMED			

2.3 Aspect



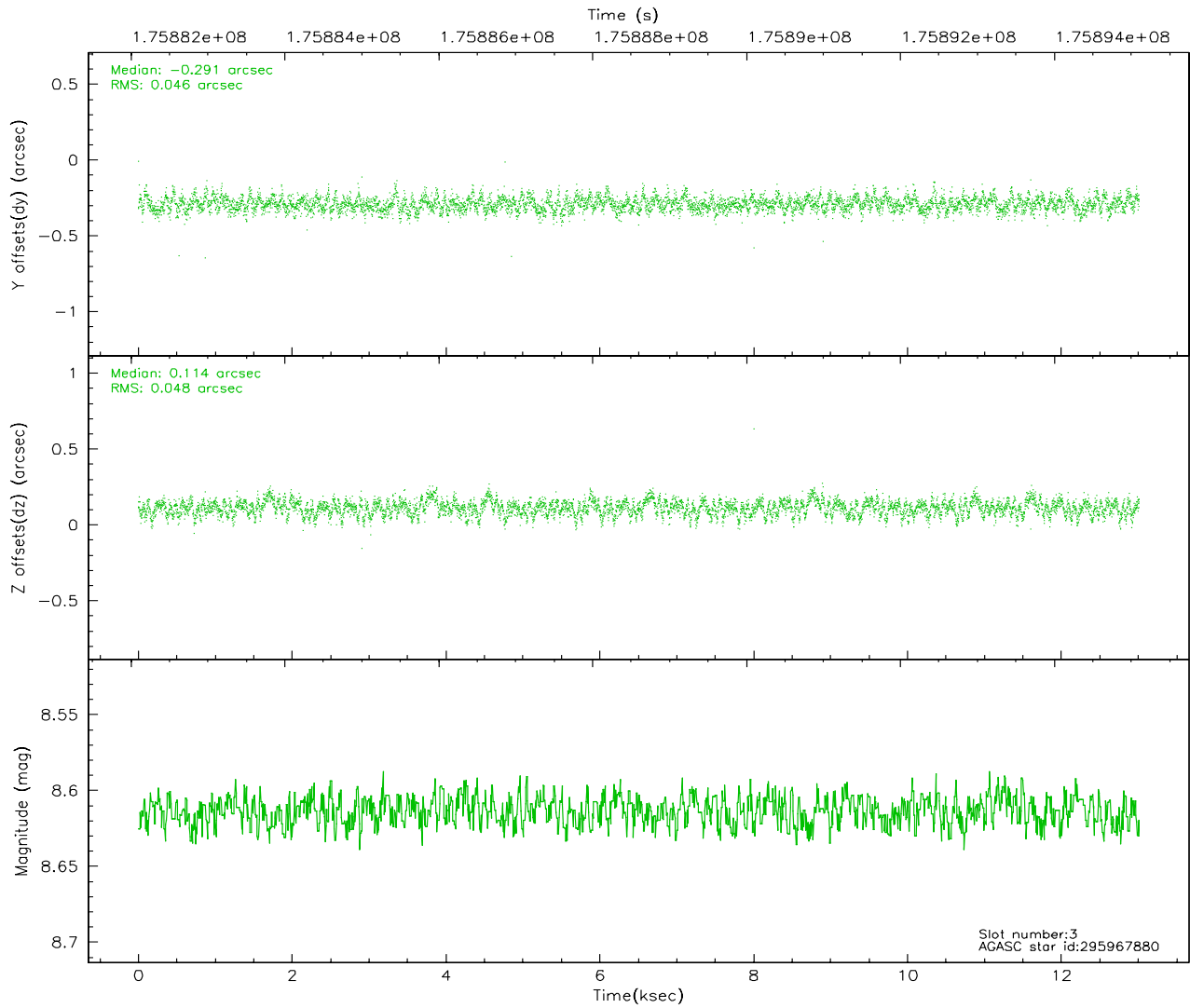
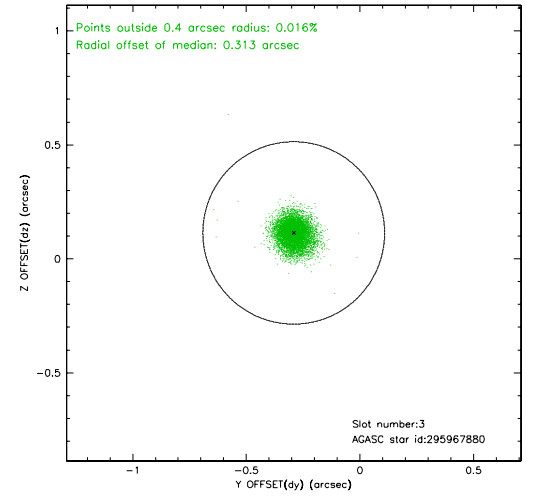
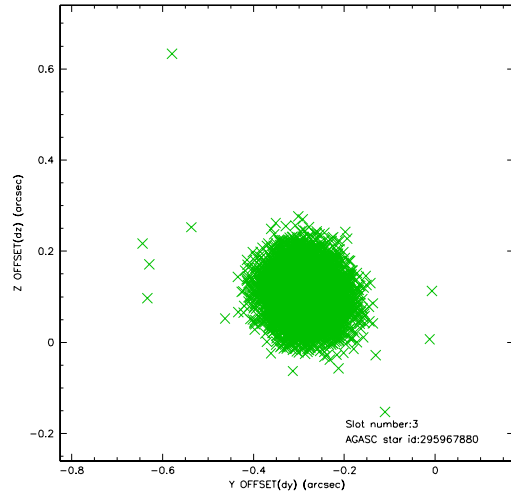


Slot Statistics

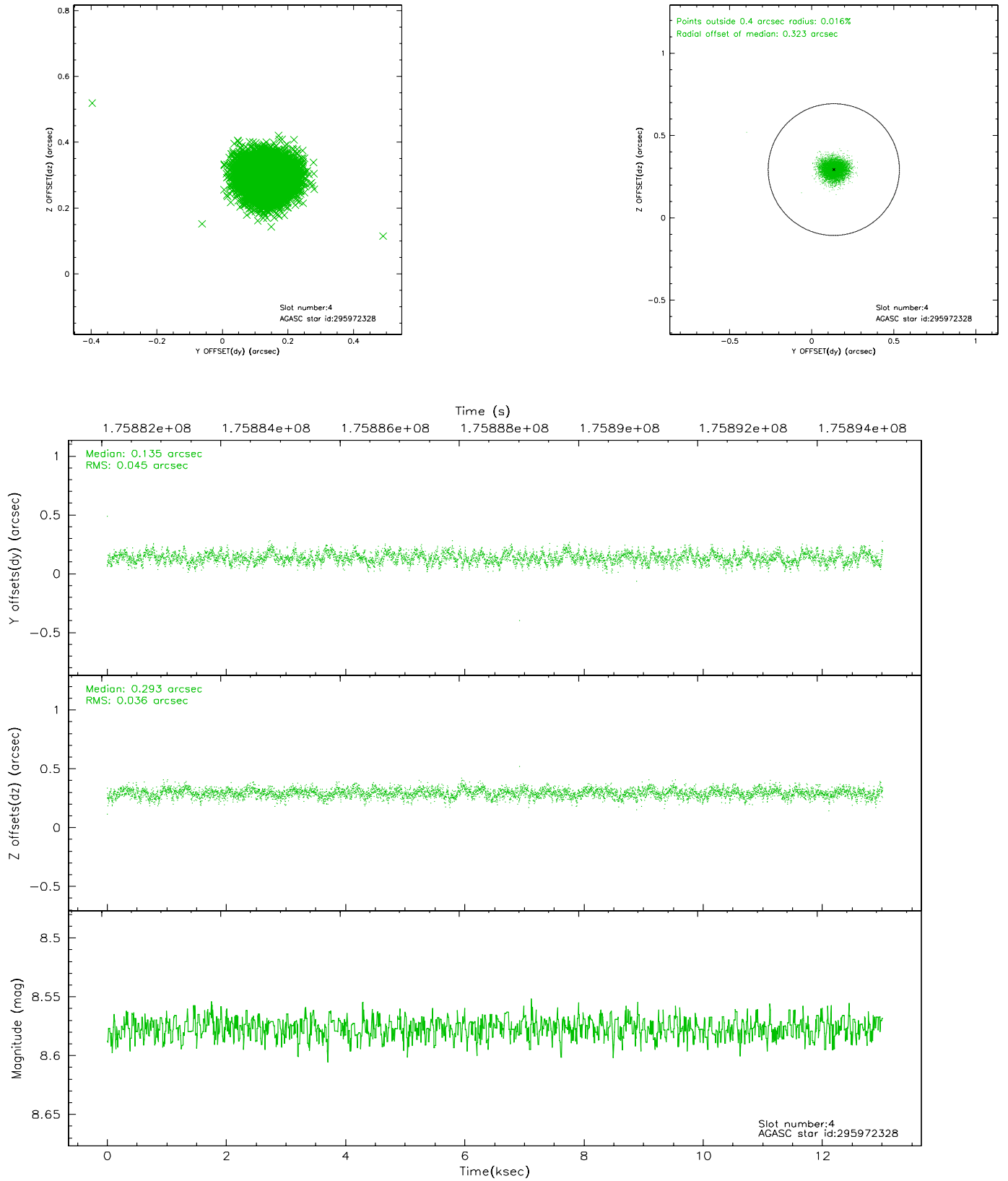
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3172	-0.015	-0.015	0.007	0.011	0.000000	0.000000	-759.14	-1729.13
1	FID	ACIS-S-4	7.21	3173	0.007	0.011	0.005	0.009	0.000000	0.000000	2154.02	178.96
2	FID	ACIS-S-5	7.23	3174	-0.022	0.012	0.006	0.011	0.000000	0.000000	-1811.49	173.11
3	GUIDE	295967880	8.61	6347	-0.291	0.114	0.070	0.113	357.360846	29.719694	2344.09	-434.31
4	GUIDE	295972328	8.58	6347	0.135	0.293	0.061	0.097	358.421579	28.806802	-2304.91	-961.36
5	GUIDE	295983632	7.79	6348	0.518	-0.194	0.052	0.082	358.059012	28.576613	-2234.74	449.78
6	GUIDE	295834432	8.81	6344	-0.098	-0.308	0.089	0.132	357.053996	28.835752	489.47	2325.05
7	GUIDE	295966992	8.73	6344	-0.270	0.094	0.072	0.114	357.323182	29.714840	2405.06	-331.64

2.4 Star Slots

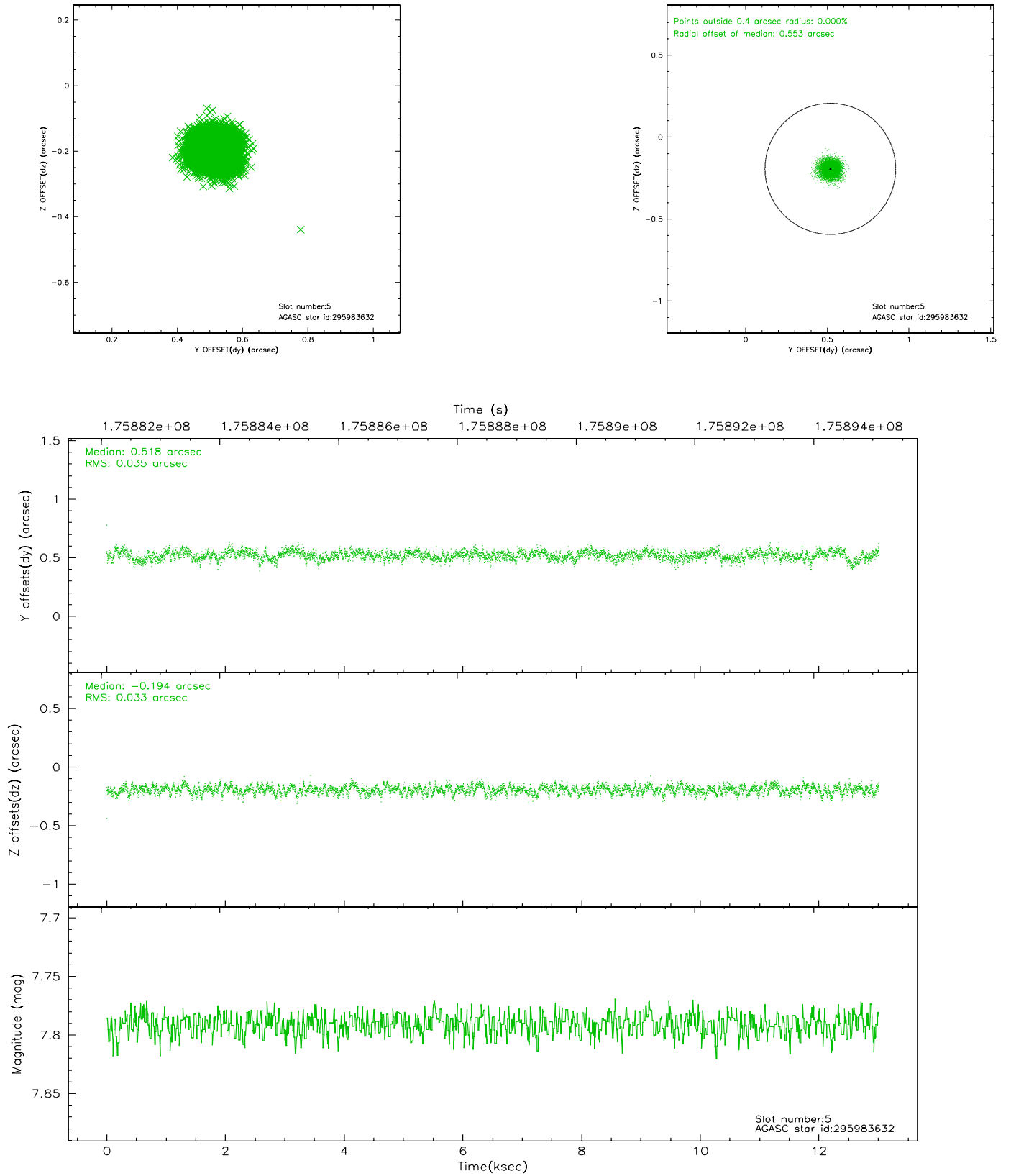
2.4.1 Slot 3



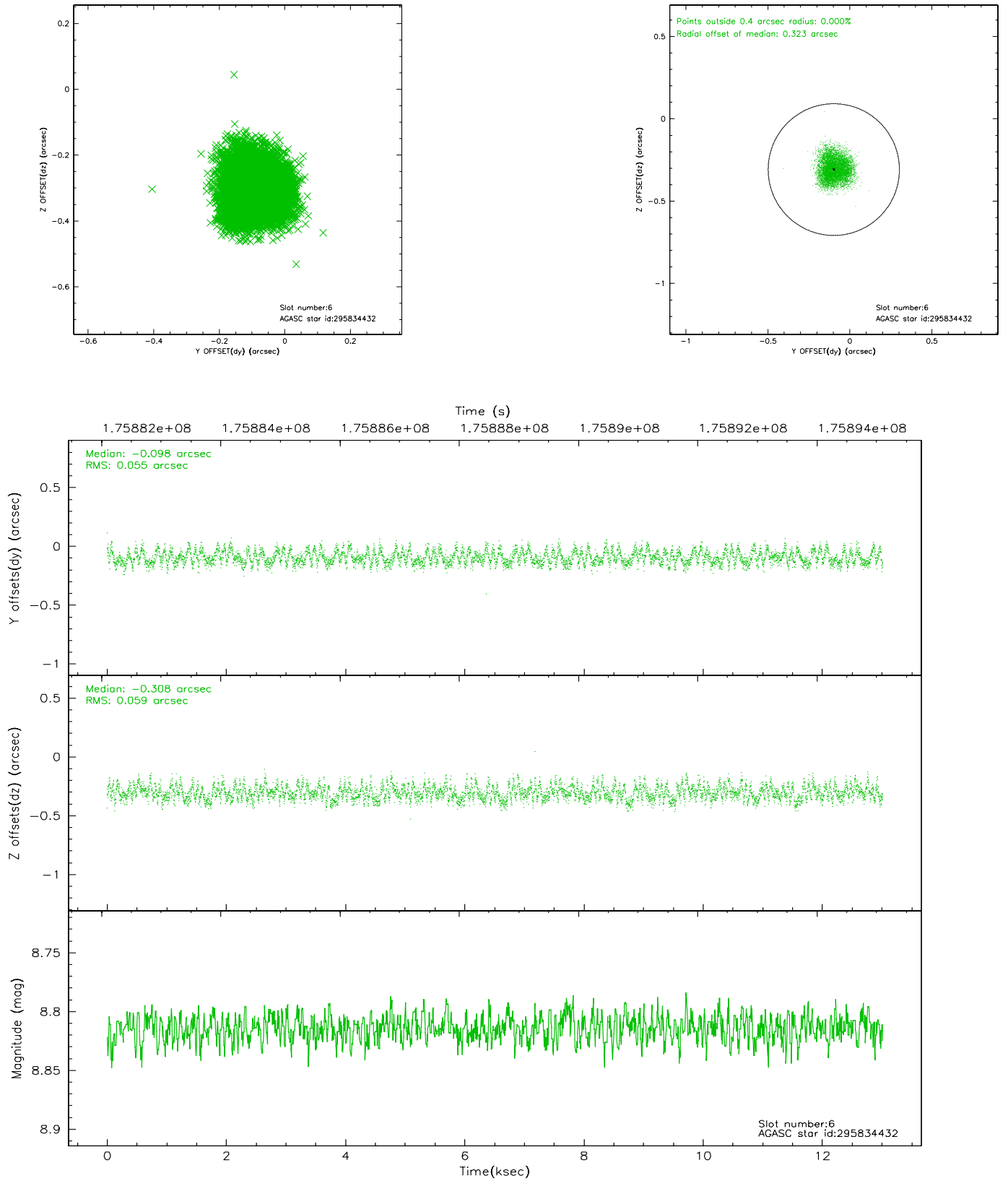
2.4.2 Slot 4



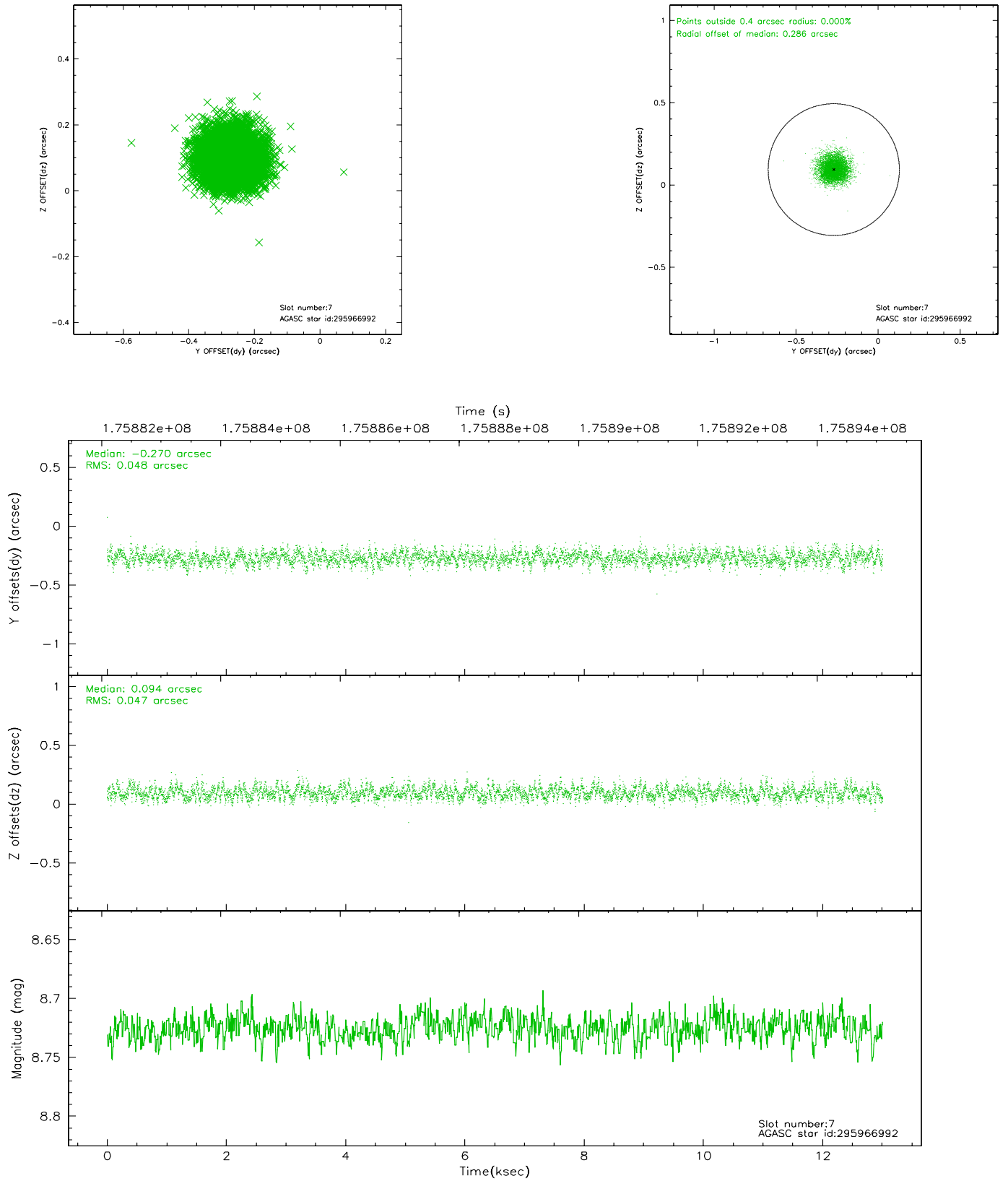
2.4.3 Slot 5



2.4.4 Slot 6

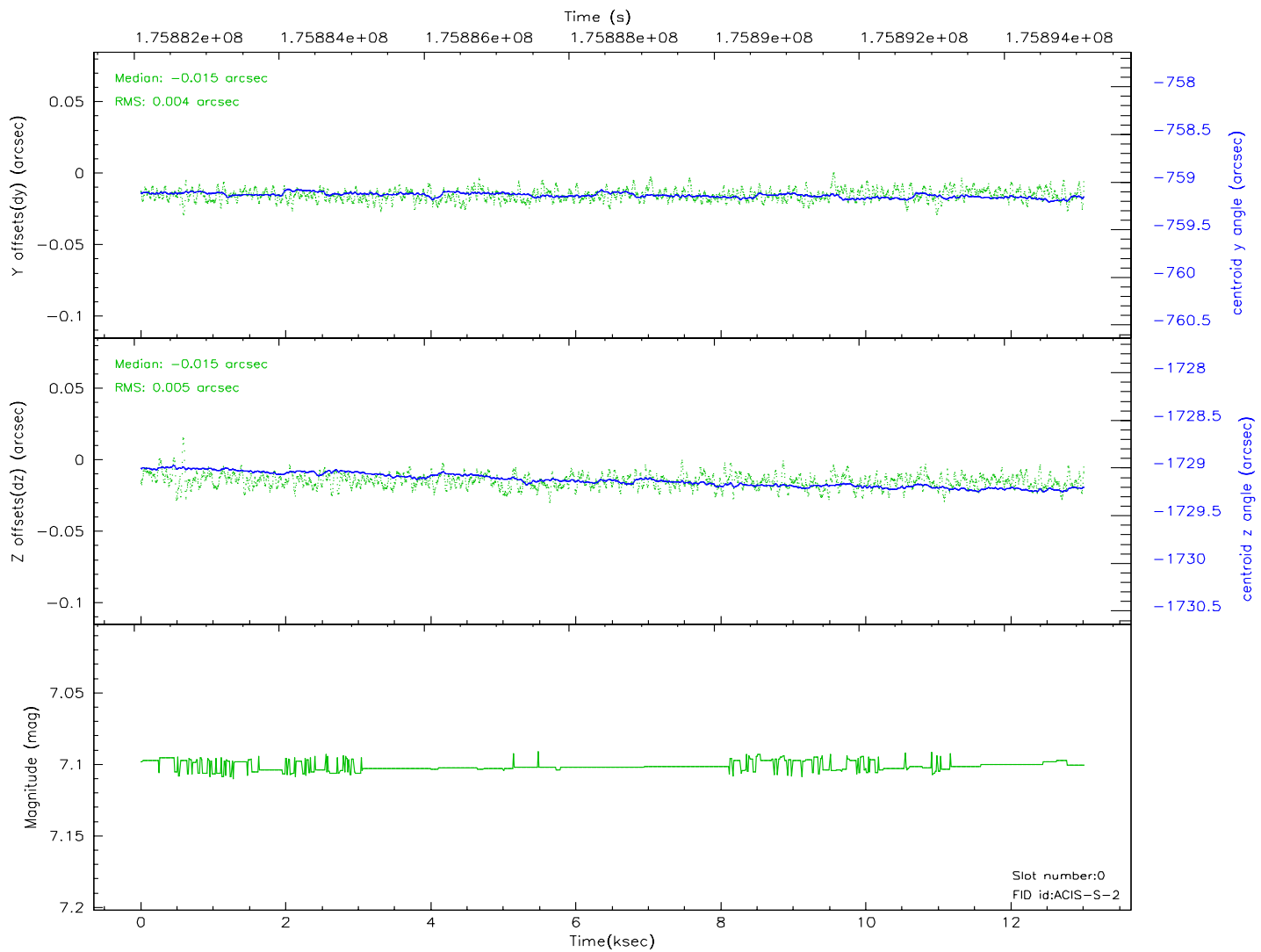
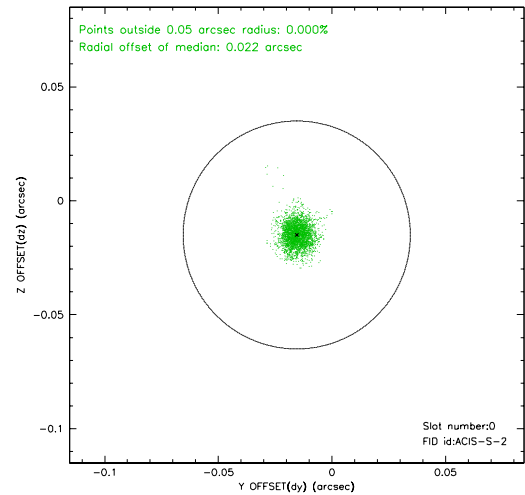
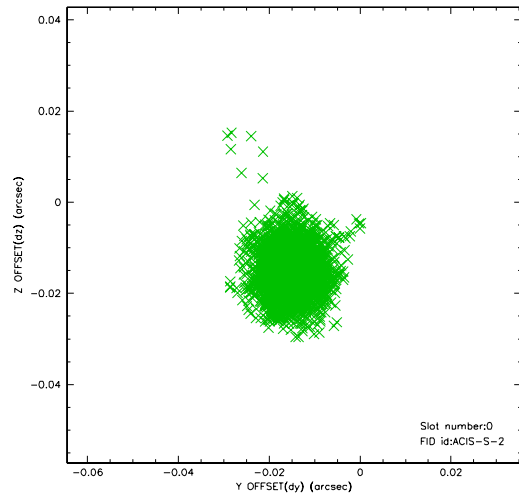


2.4.5 Slot 7

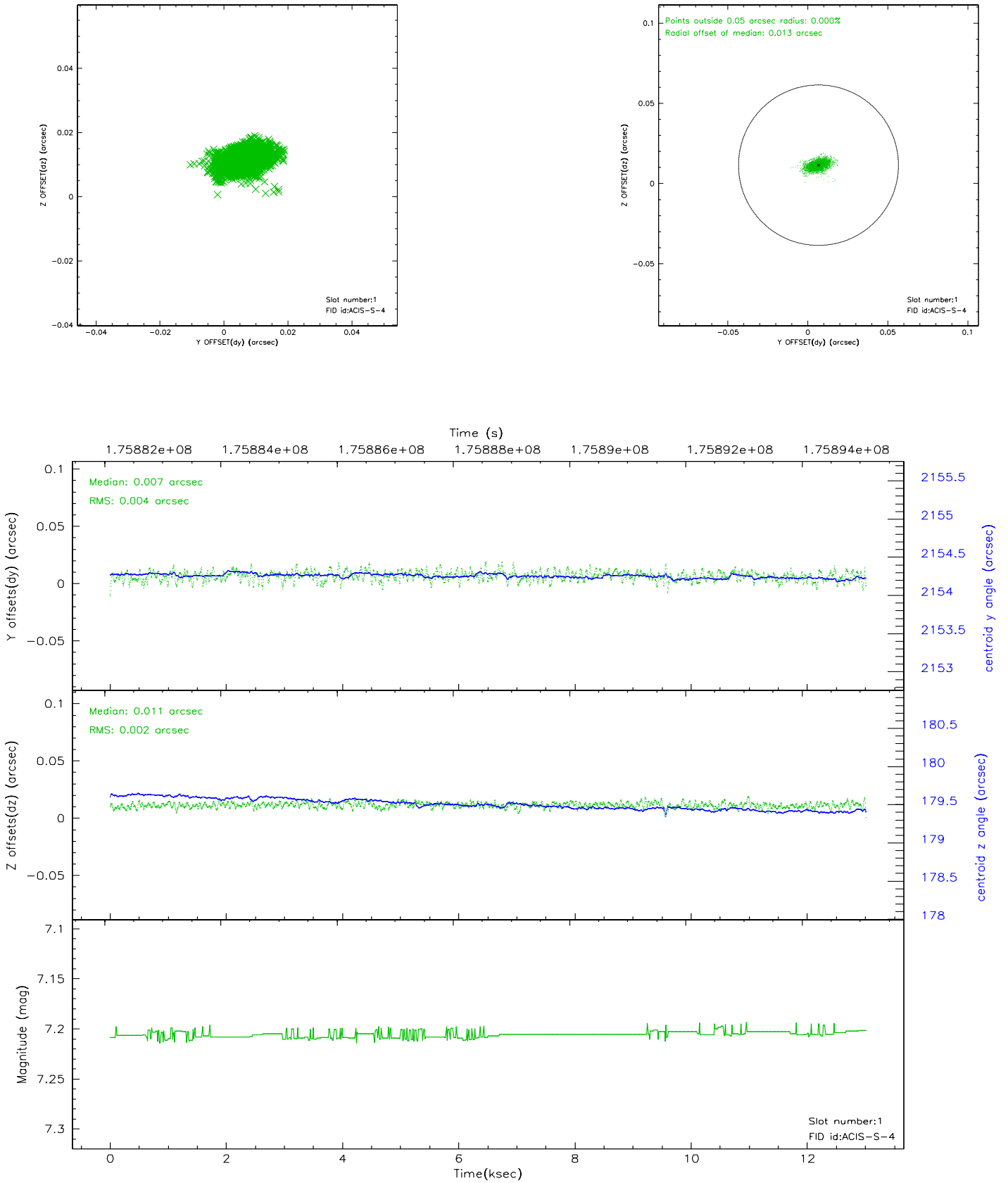


2.5 FID Slots

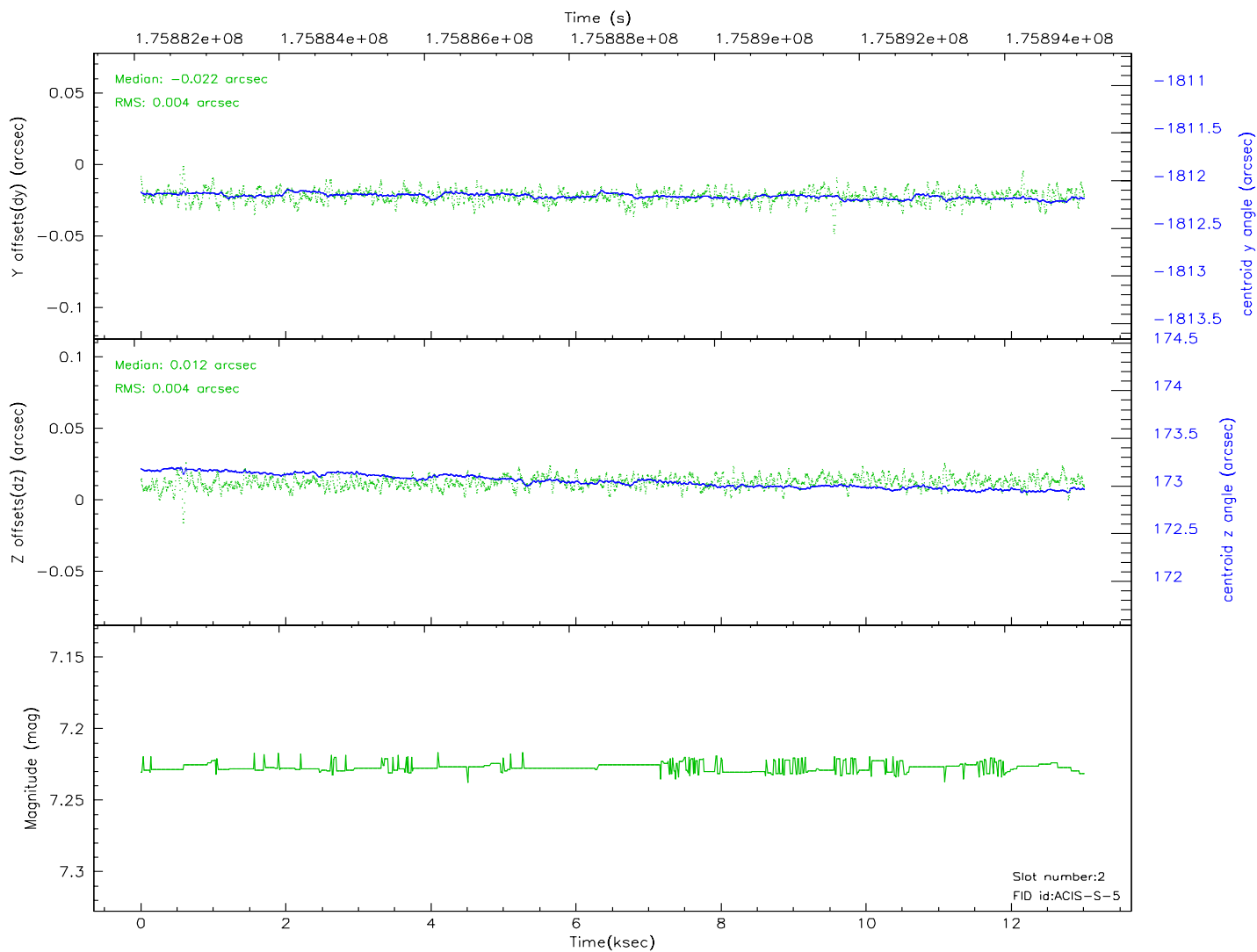
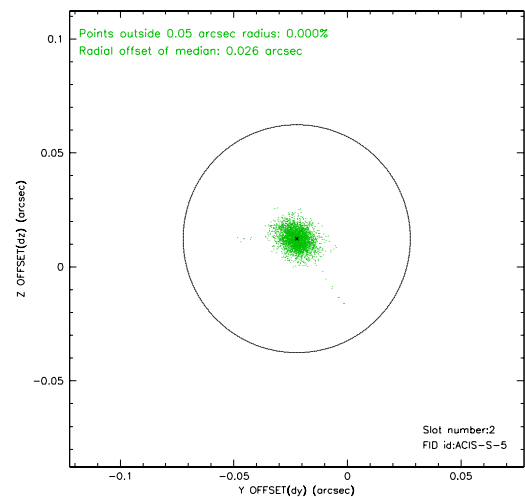
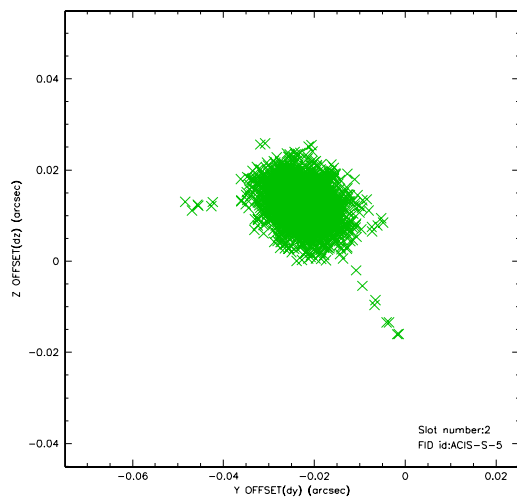
2.5.1 Slot 0



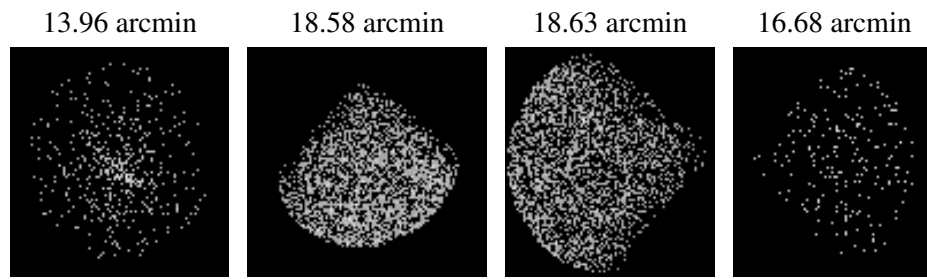
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.806

A.2 Comments

faint diffuse X-rays visible on s3 chip; fi chips show ~8% shorter exposure likely caused by slight telemetry saturation in VFaint mode; science unaffected because S3 chip unaffected.