

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4196 - L2 Version 001
Chandra X-Ray Center

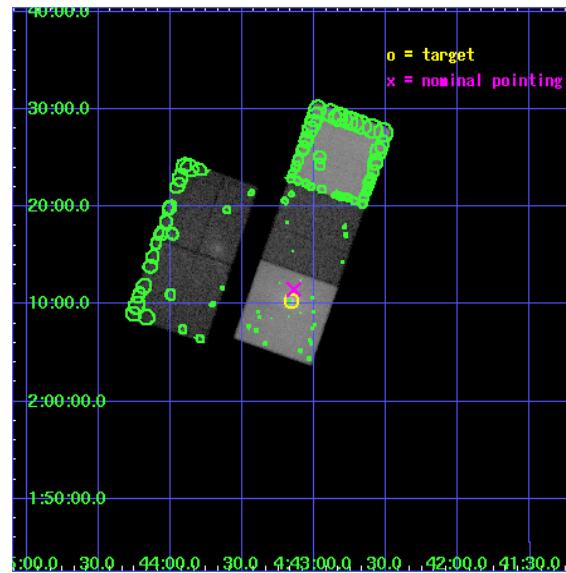
L2 Processing Date : Jul 12 2006

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1 Front

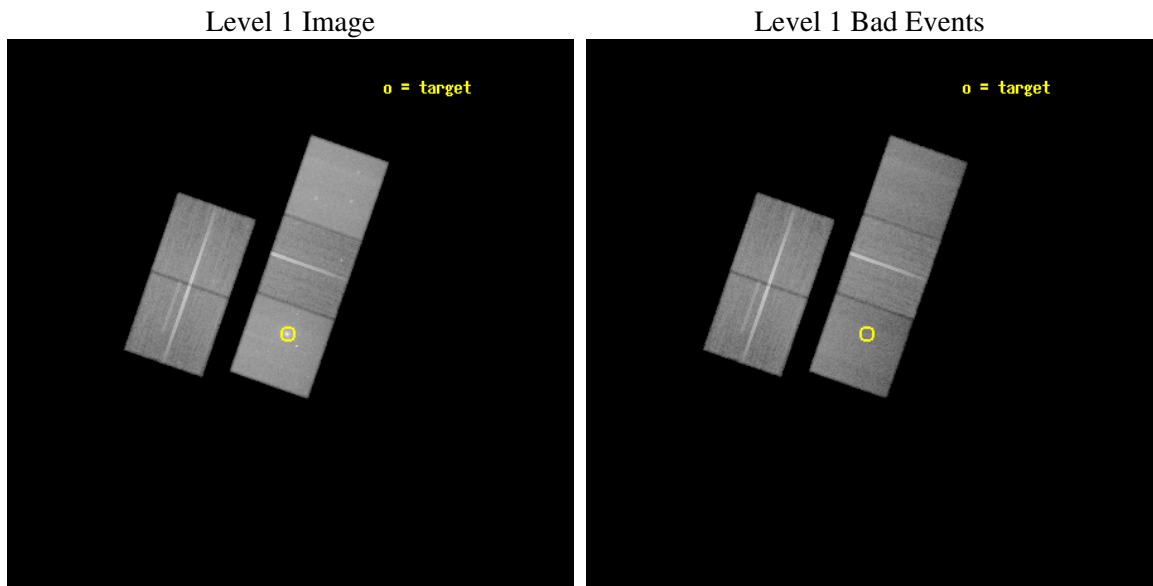
seq_num	800352
obs_id	4196
title	REDUCED COOLING & FEEDBACK IN CLUSTER COOLING FLOWS
observer	Prof. Brian McNamara
object	MS0440.5+0204
dtcycle	0
cycle	P
ra_targ	70.790417
dec_targ	2.171667
ra_nom	70.785245278099
dec_nom	2.1917480980192
roll_nom	109.21001290443
revision	2
ontime	60164.799884319
livetime	59378.702481149
ontime2	60158.517923921
ontime3	60158.517943859
ontime5	60164.799884319
ontime6	60164.799884319
ontime7	60164.799884319
l2events	562889



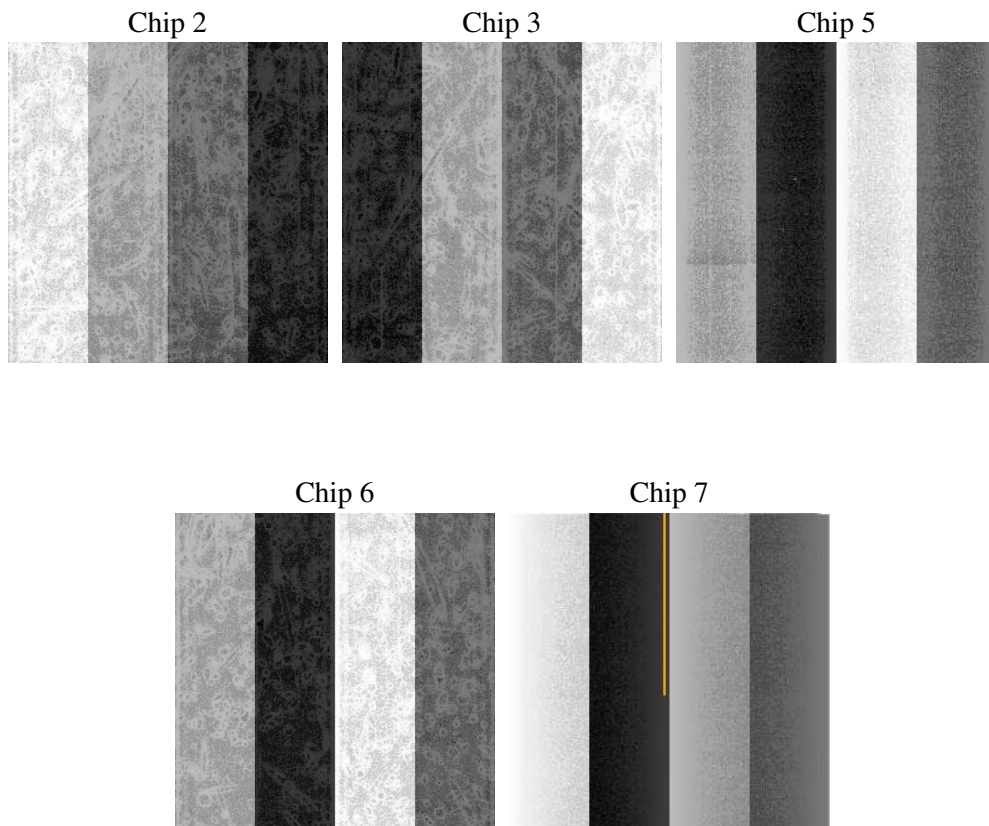
2 OBI

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	2006-07-12T20:56:49
revision	2

sched_exp_time	60000.000000
ontime	60282.102502614
ontime2	60275.820542216
ontime3	60275.820562154
ontime5	60282.102502614
ontime6	60282.102502614
ontime7	60282.102502614
l1events	1875044

2.1.4 Events

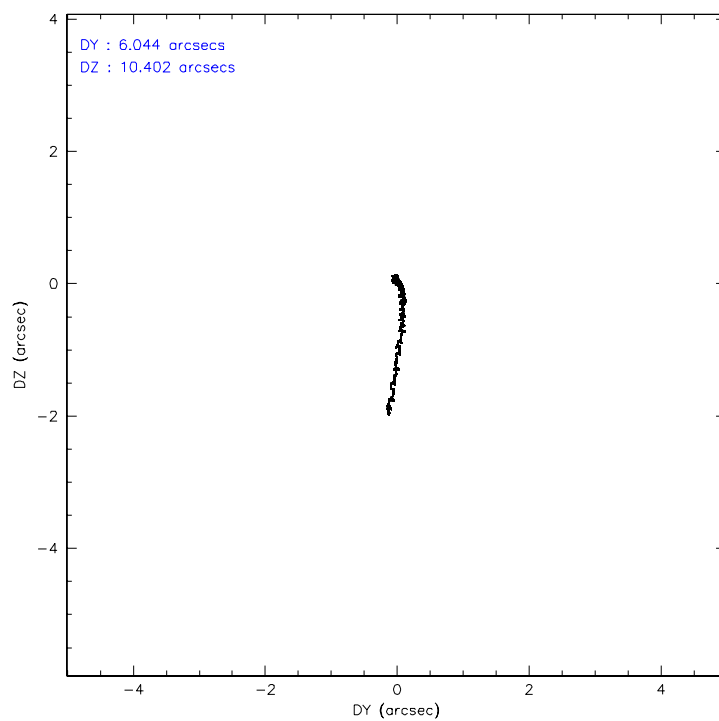
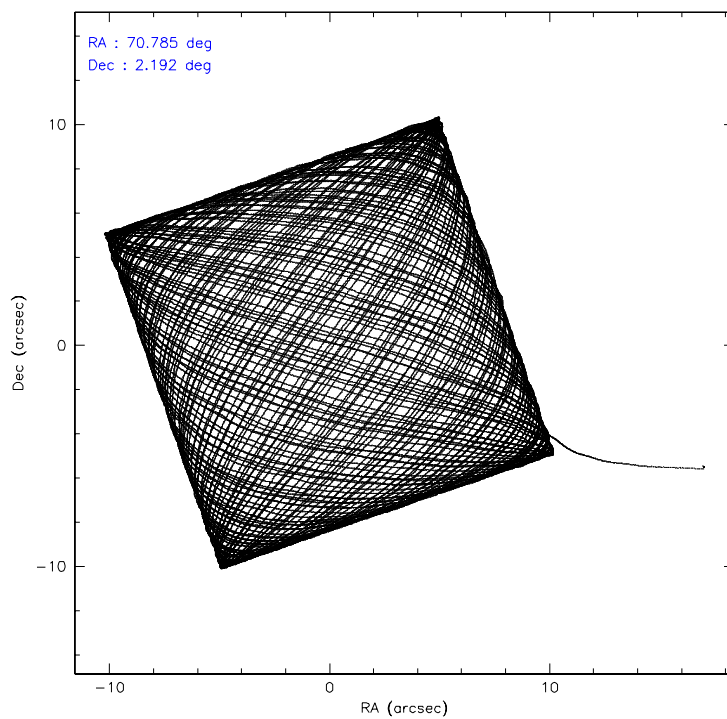
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	329691	309200	478291	318839	439023
rejected events	295498	277820	226153	280609	207462
rejected %	89%	89%	47%	88%	47%

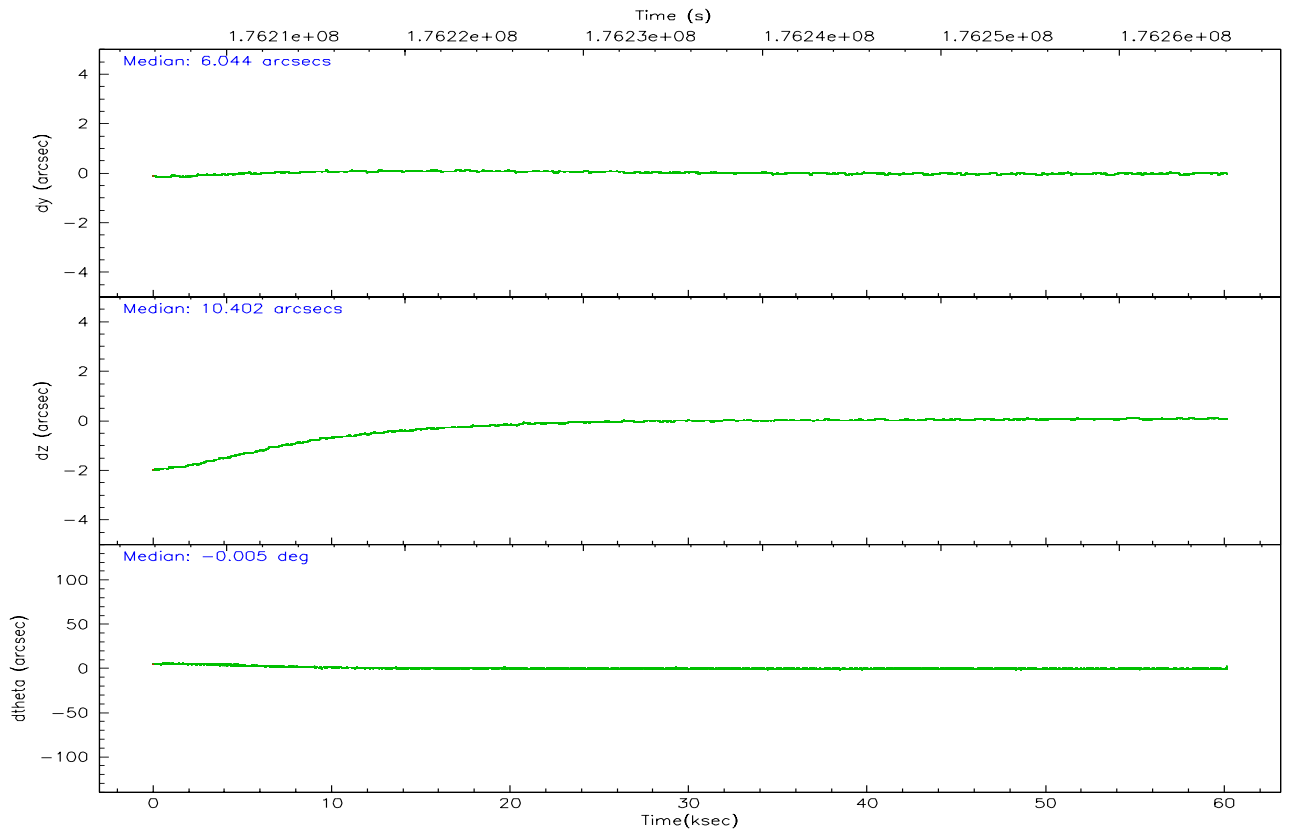
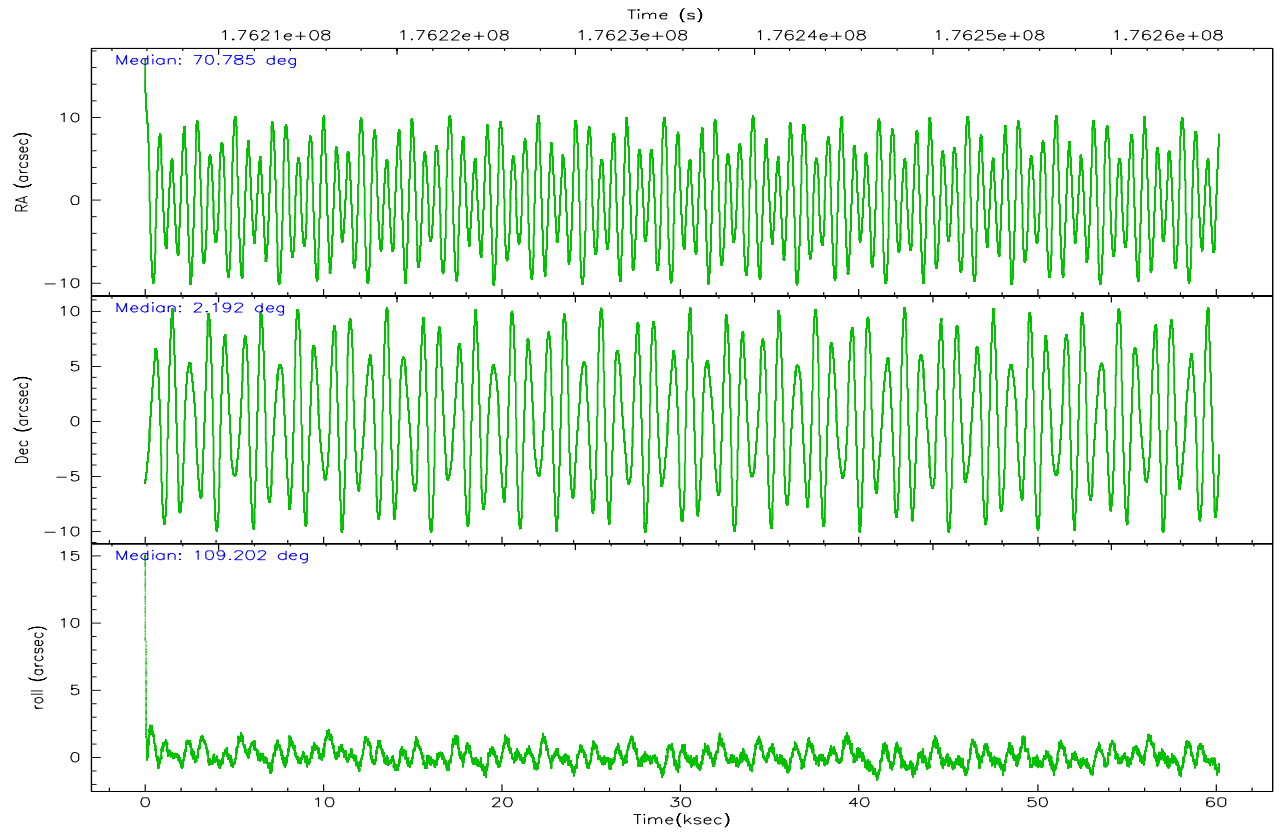
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	14580	12265	17857	16840	22739
	4%	3%	3%	5%	5%
grade 1 events	160	130	160	151	172
	0%	0%	0%	0%	0%
grade 2 events	7283	6363	81175	7303	55318
	2%	2%	16%	2%	12%
grade 3 events	3560	3459	8263	3844	15340
	1%	1%	1%	1%	3%
grade 4 events	3438	3528	7886	3667	14837
	1%	1%	1%	1%	3%
grade 5 events	10264	11758	23560	12278	26839
	3%	3%	4%	3%	6%
grade 6 events	5437	5849	138489	6756	124783
	1%	1%	28%	2%	28%
grade 7 events	284969	265848	200901	268000	178995
	86%	85%	42%	84%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	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	70.806103	70.7852452780985	Alternating exposures requested	N	N
Pointing Dec	2.174264	2.191748098019211	Primary exposure time	0.000000	3.1
Pointing Roll	109.052591	109.2100129044269			
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	176206045.184000	176204998.82119			
Observation start date	2003-08-02T10:06:21	2003-08-02T09:49:58			
Observation end time	176266045.184000	176266610.54881			
Observation end date	2003-08-03T02:46:21	2003-08-03T02:56:50			
Read mode	TIMED	TIMED			

2.3 Aspect



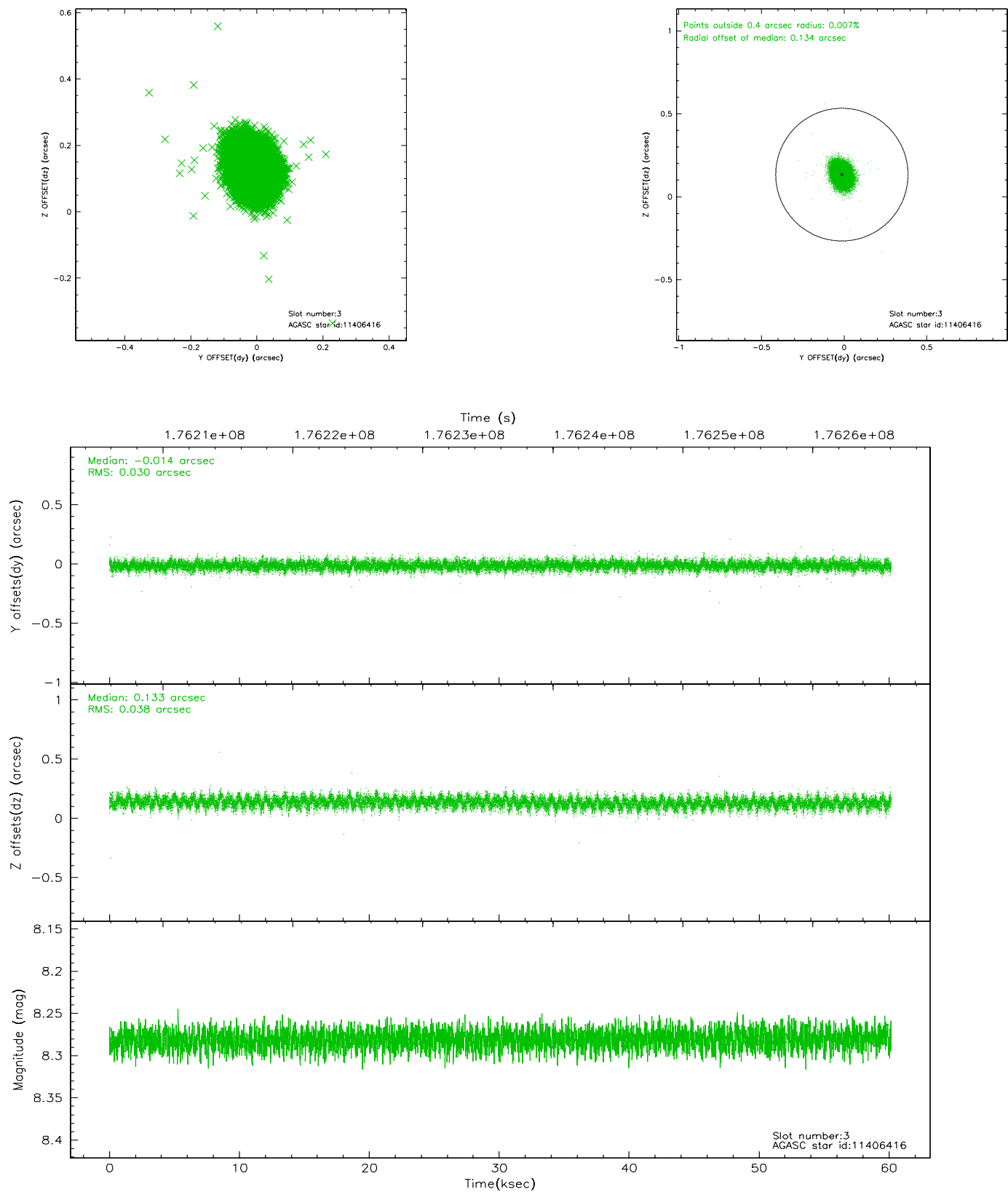


Slot Statistics

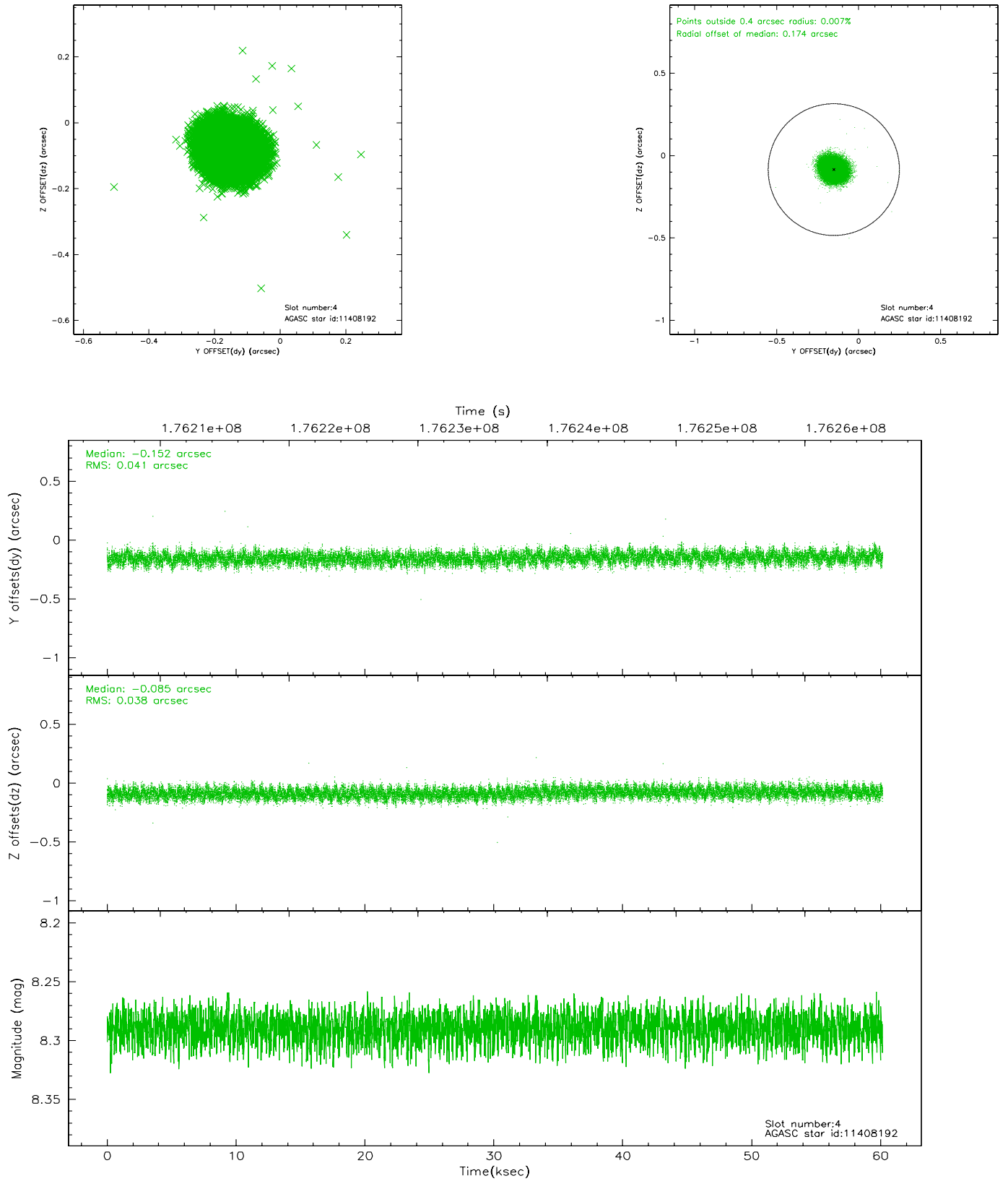
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	14676	-0.053	0.000	0.013	0.028	0.000000	0.000000	-758.81	-1731.39
1	FID	ACIS-S-4	7.20	14676	0.029	0.024	0.018	0.025	0.000000	0.000000	2154.55	177.19
2	FID	ACIS-S-5	7.23	14677	-0.015	-0.019	0.012	0.024	0.000000	0.000000	-1811.69	170.73
3	GUIDE	11406416	8.28	29340	-0.014	0.133	0.051	0.084	71.049487	2.408805	512.74	-1102.74
4	GUIDE	11408192	8.29	29349	-0.152	-0.085	0.060	0.095	70.240213	2.505651	1792.28	1534.57
5	GUIDE	11410704	8.50	29345	0.050	-0.178	0.066	0.108	70.384136	1.899596	-438.82	1757.70
6	GUIDE	10882752	8.98	29340	0.251	-0.129	0.074	0.122	70.649444	1.452071	-2273.18	1381.45
7	GUIDE	11542528	8.10	29348	-0.135	0.257	0.057	0.094	71.332403	2.636408	955.34	-2331.59

2.4 Star Slots

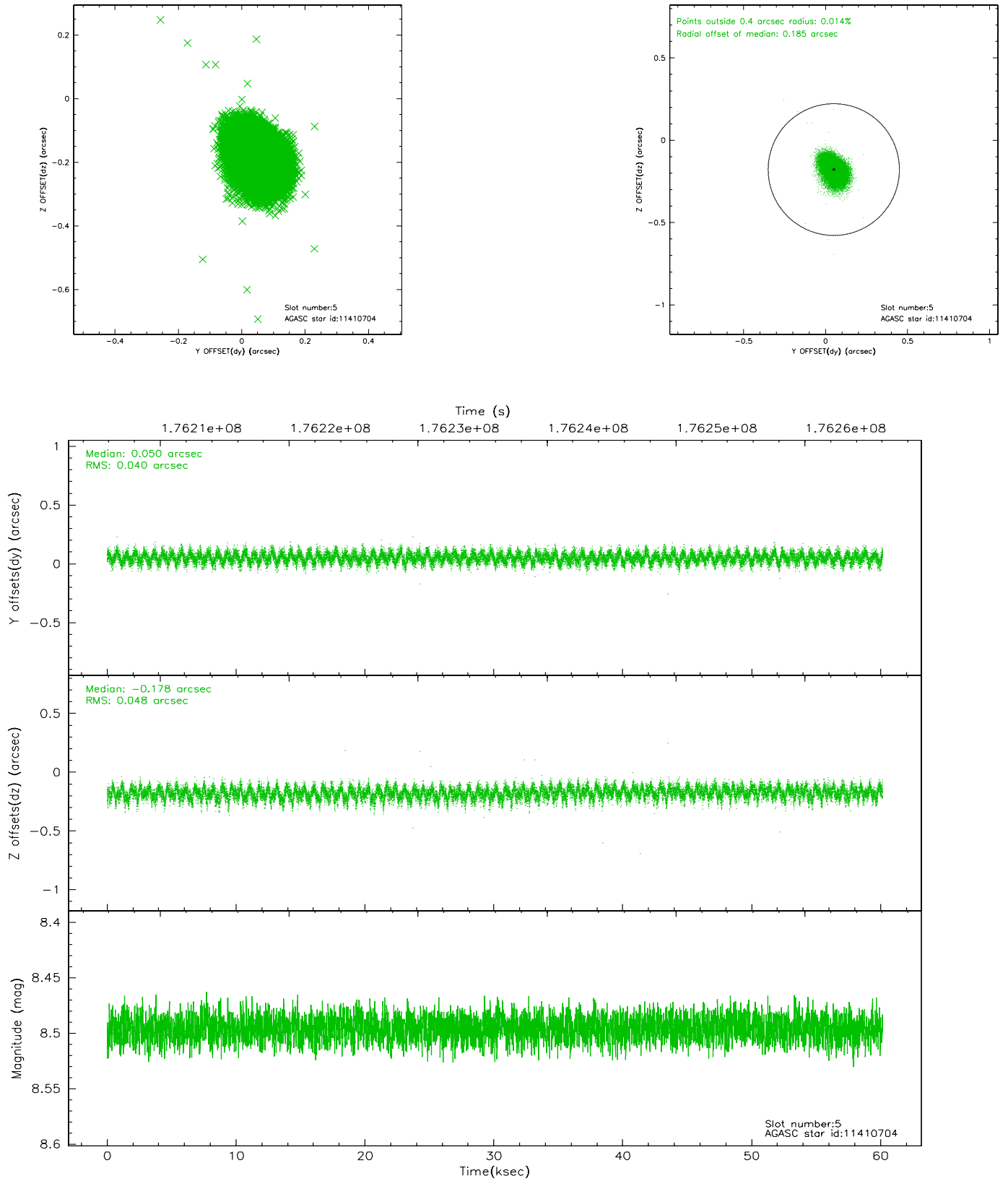
2.4.1 Slot 3



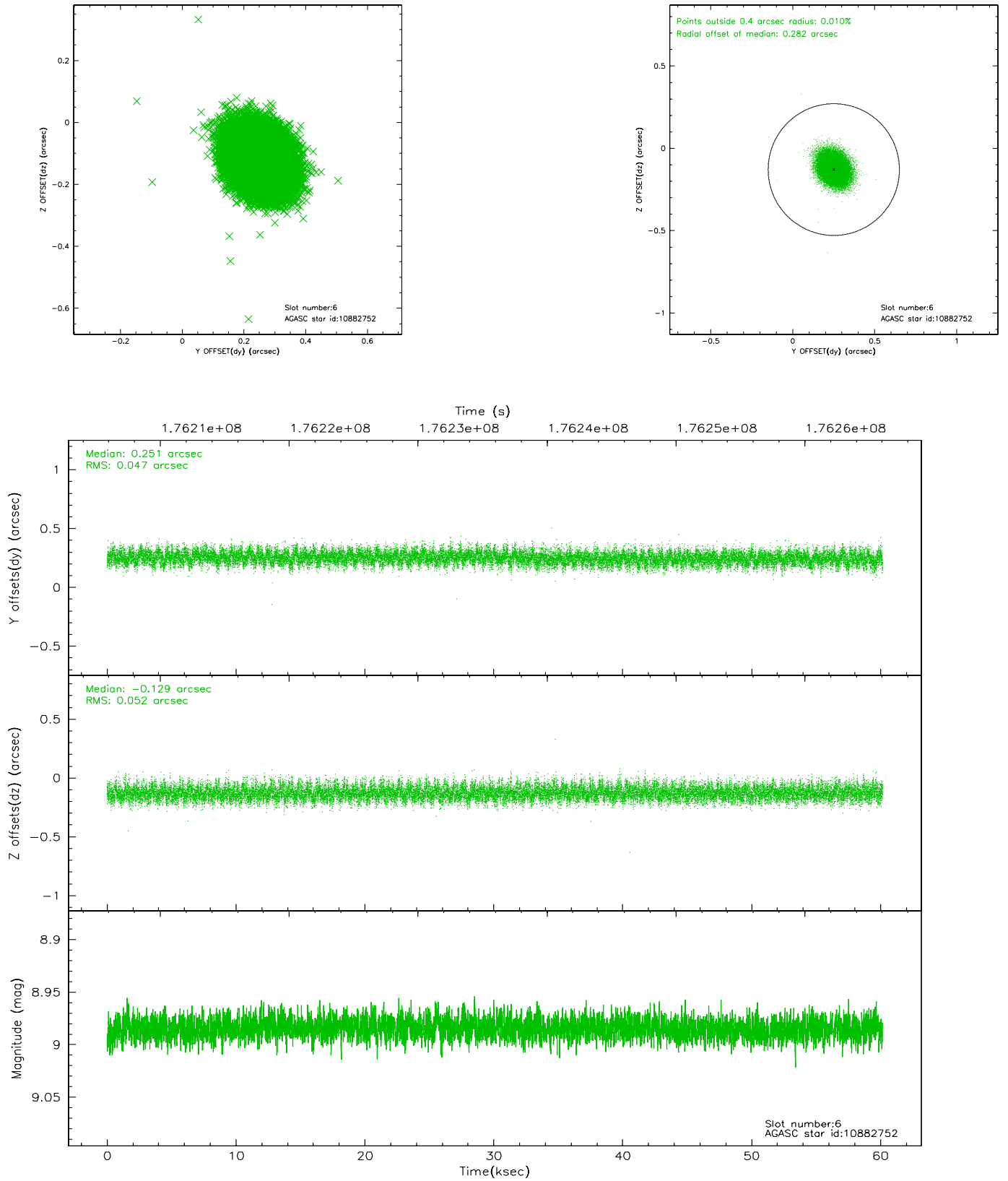
2.4.2 Slot 4



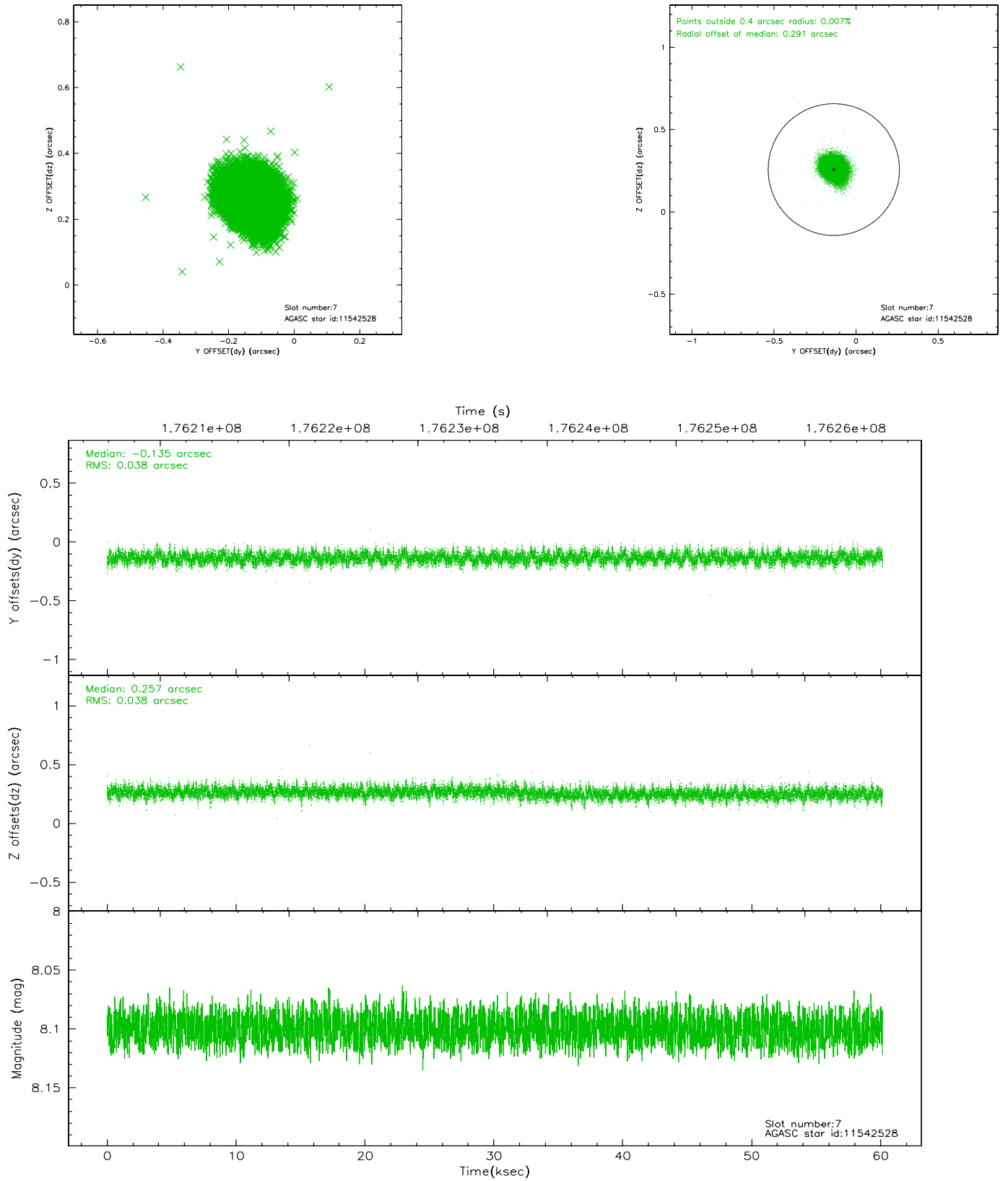
2.4.3 Slot 5



2.4.4 Slot 6

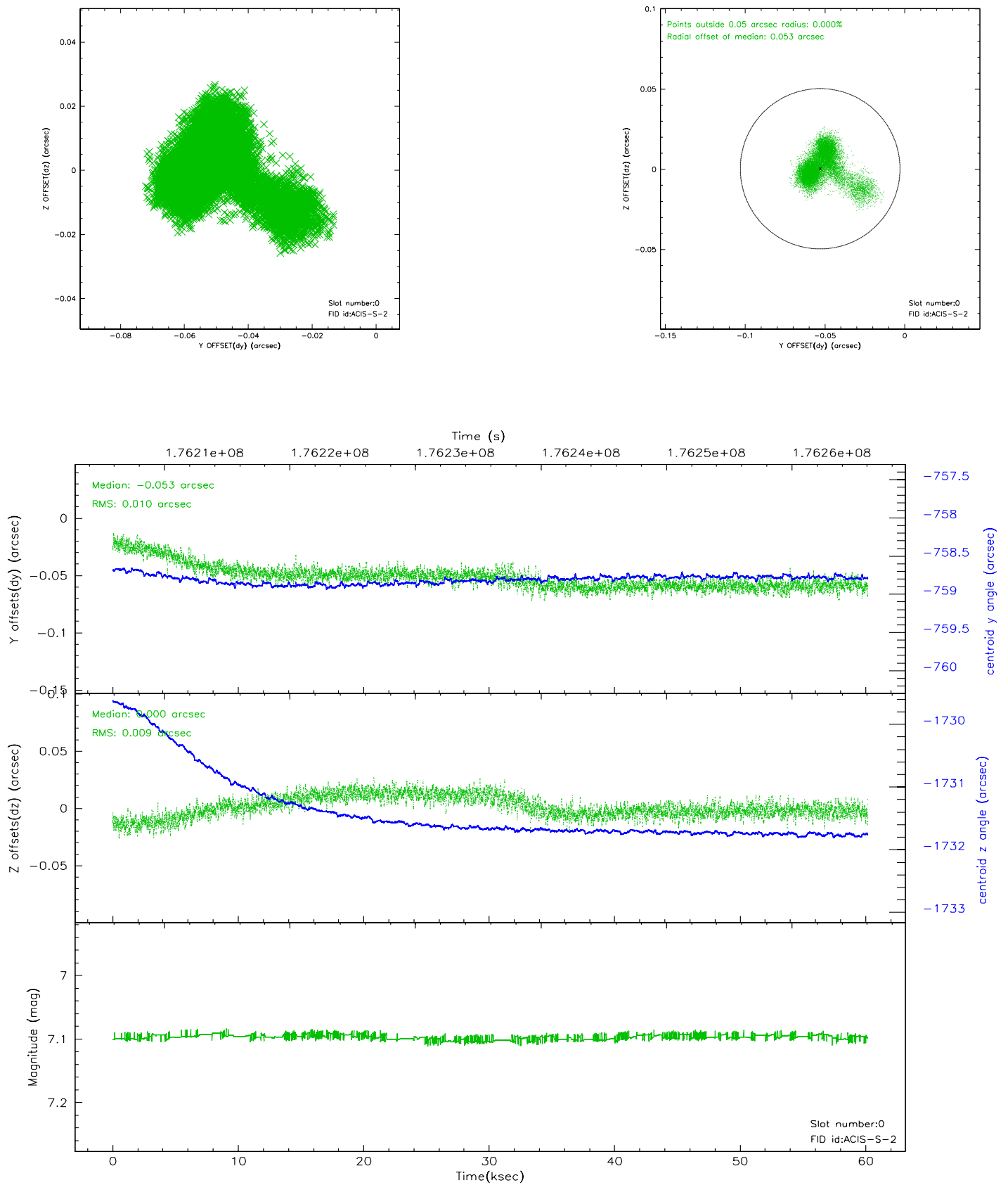


2.4.5 Slot 7

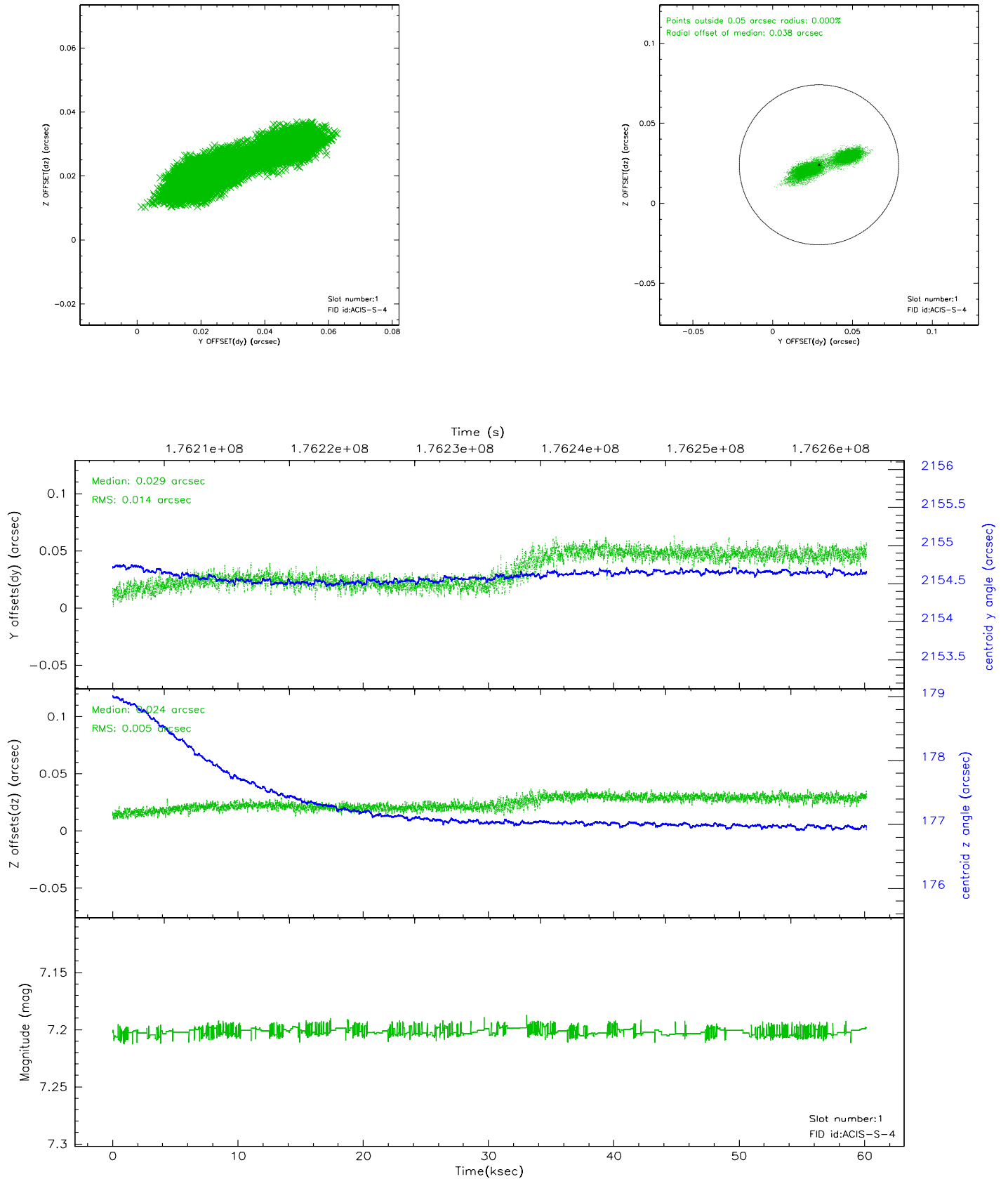


2.5 FID Slots

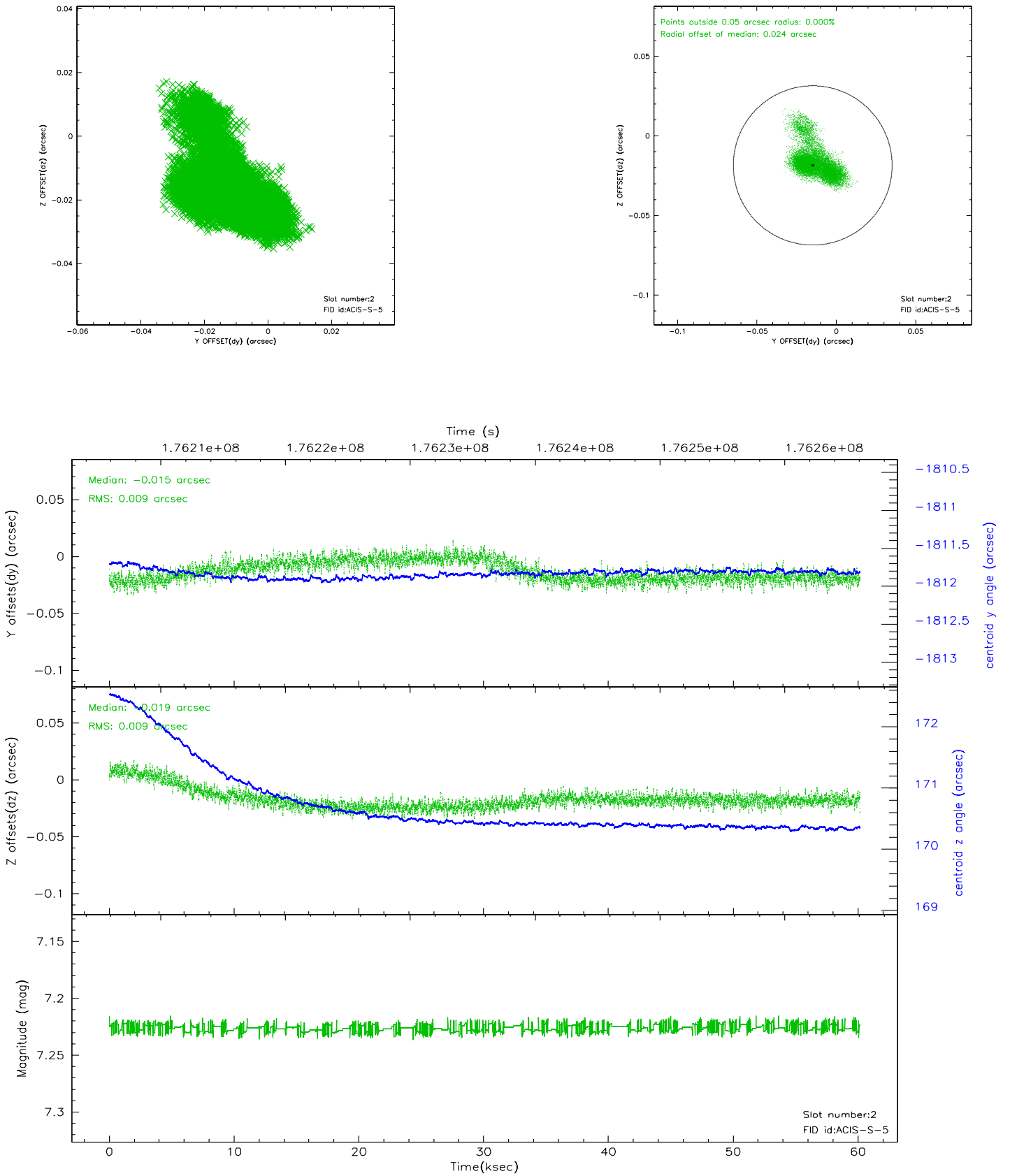
2.5.1 Slot 0



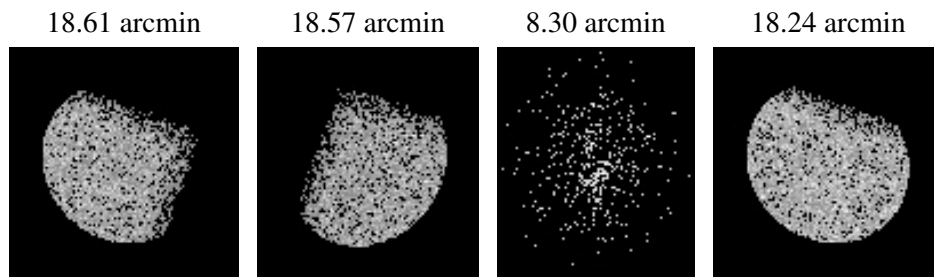
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.164

A.2 Comments