

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4207 - L2 Version 001
Chandra X-Ray Center

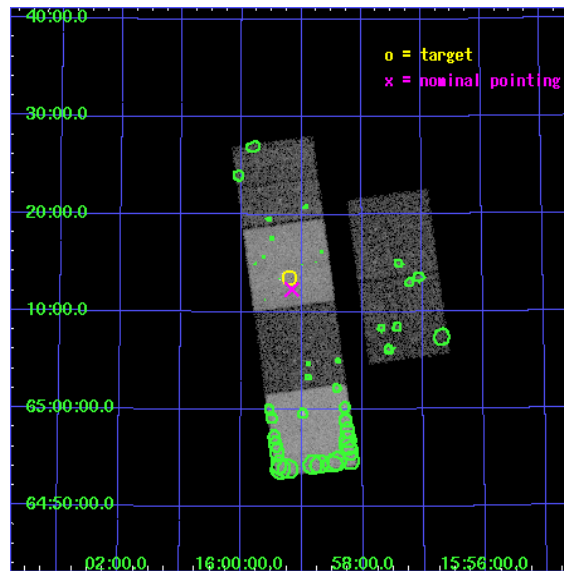
L2 Processing Date : Jul 11 2006

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1 Front

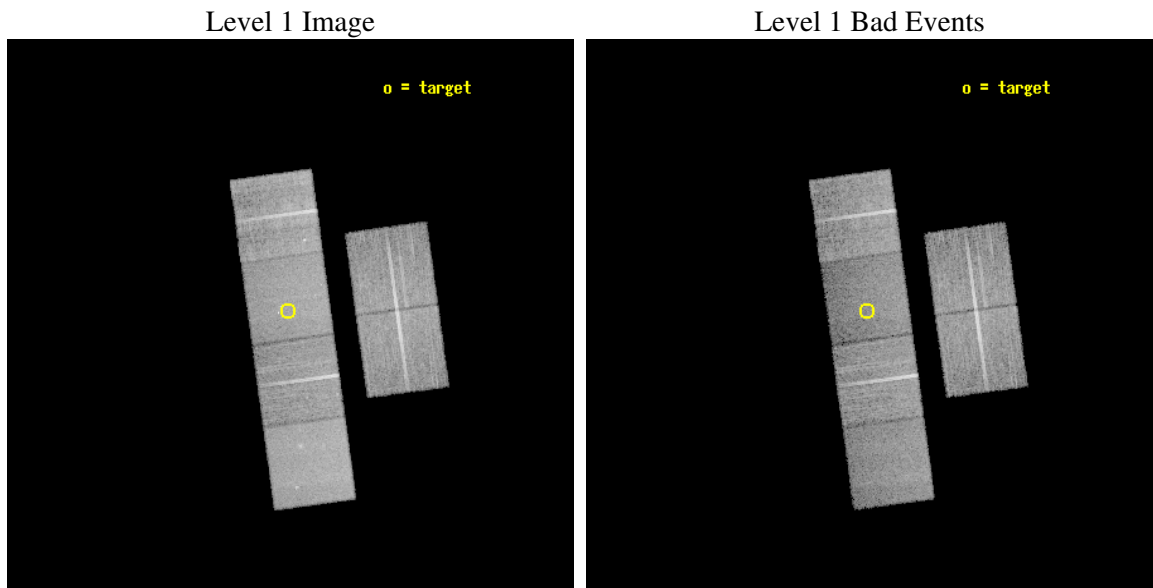
seq_num	800363
obs_id	4207
title	DOES A SPIRAL-ONLY COMPACT GROUP HAVE DIFFUSE GAS?
observer	Dr. Naomi Ota
object	HCG80
dtcycle	0
cycle	P
ra_targ	239.80125
dec_targ	65.225833
ra_nom	239.79045310364
dec_nom	65.205592820966
roll_nom	262.16819258717
revision	2
ontime	19964.799925625
livetime	19711.993607608
ontime2	19964.799925625
ontime3	19964.799925625
ontime5	19964.799925625
ontime6	19964.799925625
ontime7	19964.799925625
ontime8	19964.799925625
l2events	142650



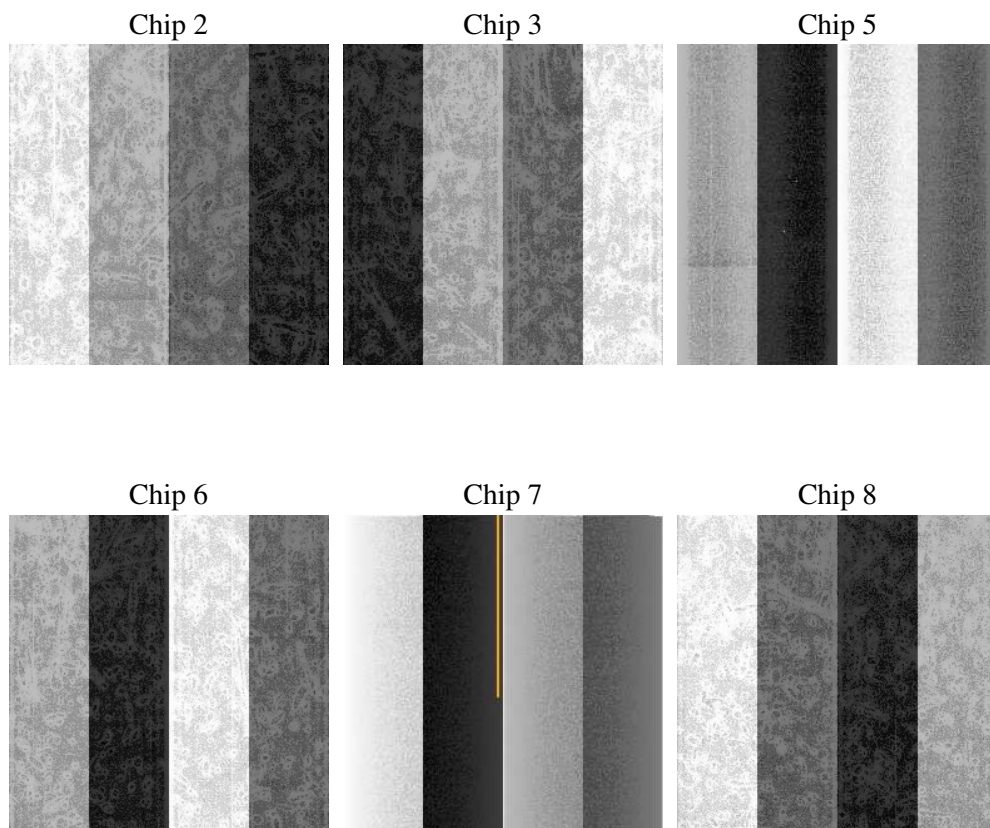
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-11T08:44:59
revision	2

sched_exp_time	20000.000000
ontime	19967.805204183
ontime2	19967.805174261
ontime3	19967.805174261
ontime5	19967.805204183
ontime6	19967.805174261
ontime7	19967.805204183
ontime8	19967.805204183
l1events	667659

2.1.4 Events

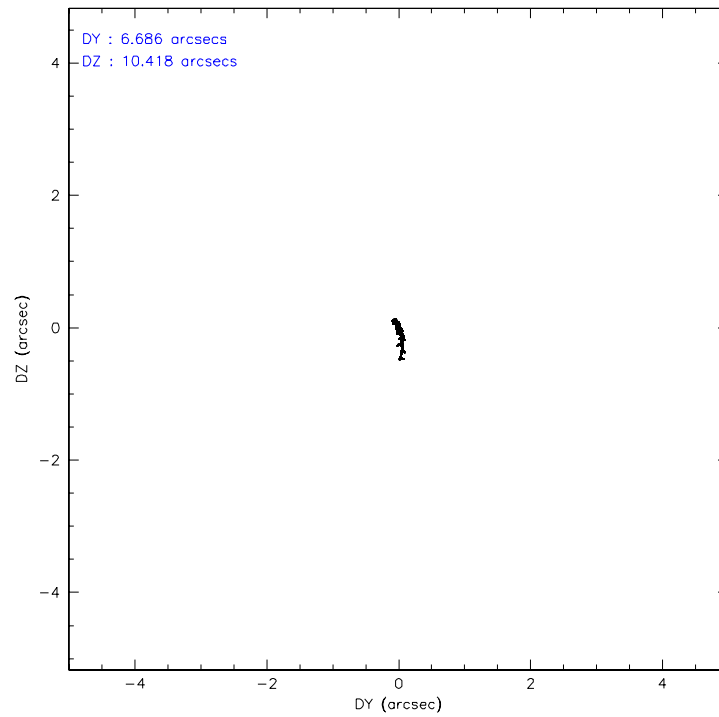
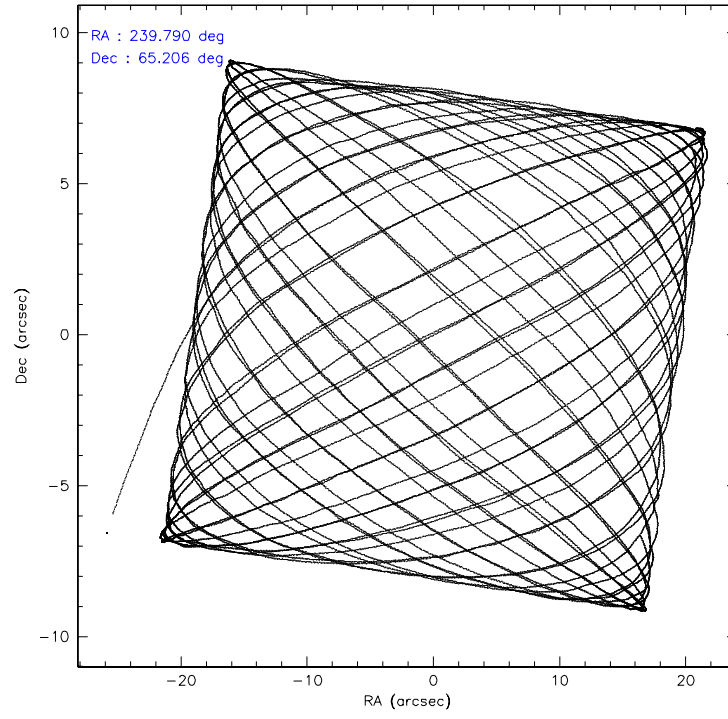
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	103654	98883	131294	100876	110109	122843
rejected events	93729	89450	69686	90185	63296	95342
rejected %	90%	90%	53%	89%	57%	77%

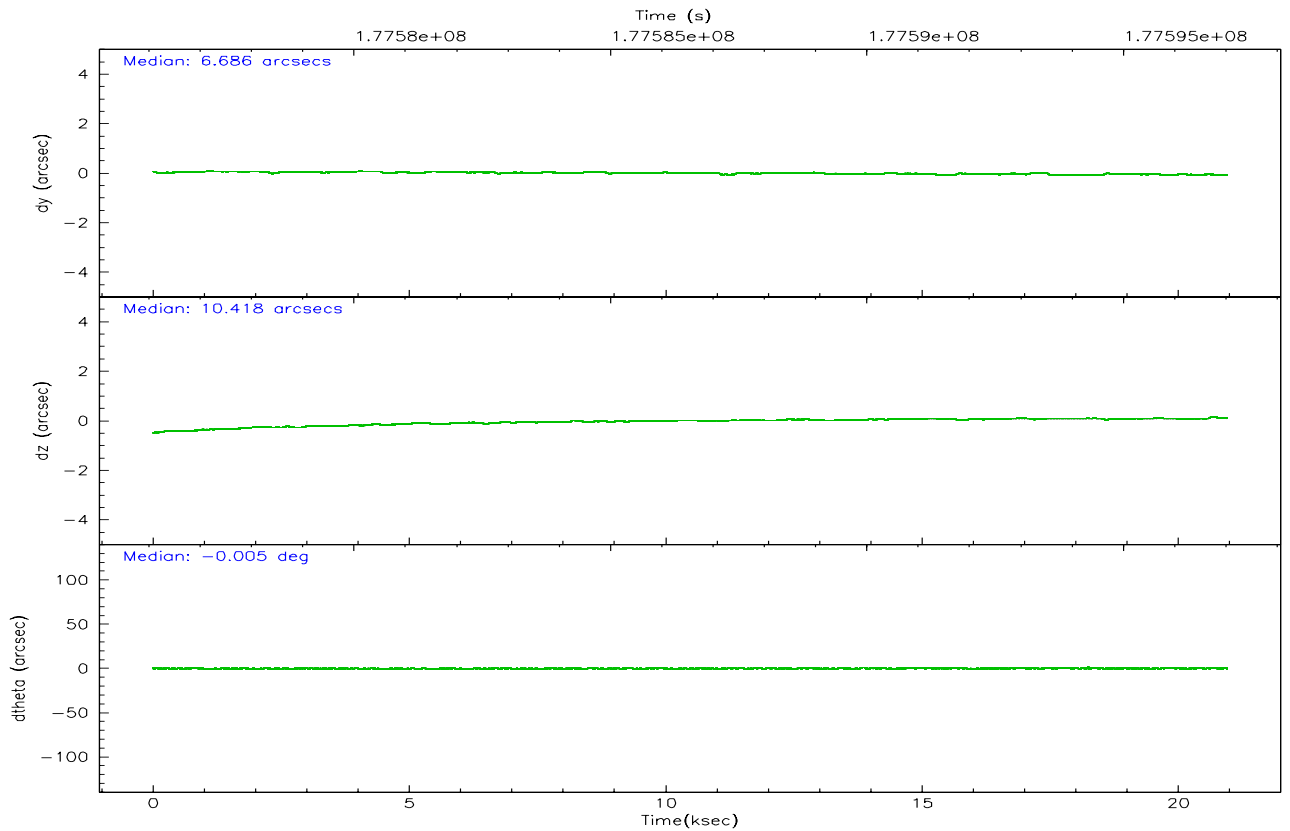
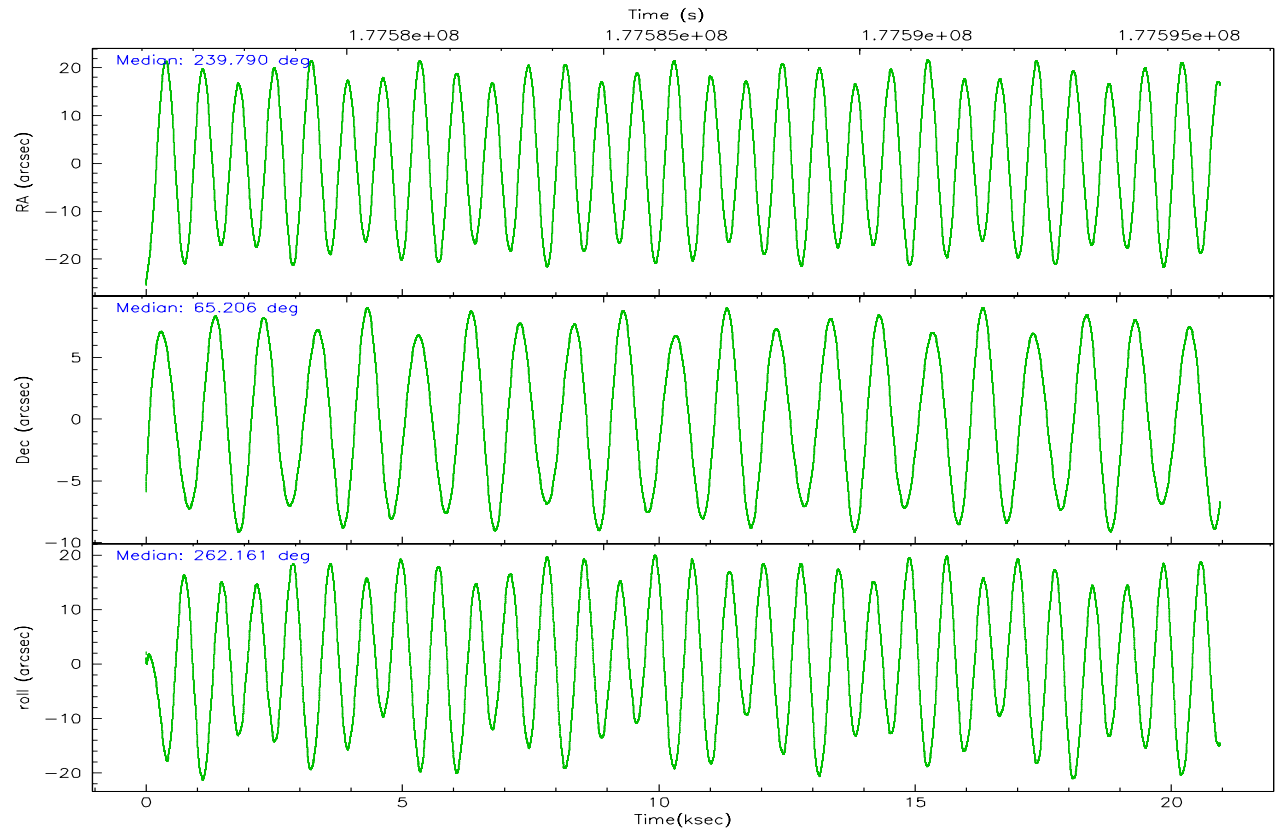
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3698	3374	2887	4024	3206	8886
	3%	3%	2%	3%	2%	7%
grade 1 events	55	46	40	43	55	99
	0%	0%	0%	0%	0%	0%
grade 2 events	2240	1946	19350	2187	11428	5876
	2%	1%	14%	2%	10%	4%
grade 3 events	1067	1141	1733	1194	2759	3024
	1%	1%	1%	1%	2%	2%
grade 4 events	1064	1157	1633	1127	2837	2685
	1%	1%	1%	1%	2%	2%
grade 5 events	3322	3884	7160	4140	8394	5535
	3%	3%	5%	4%	7%	4%
grade 6 events	1857	1816	36009	2160	26589	7033
	1%	1%	27%	2%	24%	5%
grade 7 events	90351	85519	62482	86001	54841	89705
	87%	86%	47%	85%	49%	73%

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	239.765112	239.7904531036397	Alternating exposures requested	N	N
Pointing Dec	65.230658	65.20559282096646	Primary exposure time	0.000000	3.2
Pointing Roll	262.034584	262.1681925871679			
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	177577032.184000	177575684.74225			
Observation start date	2003-08-18T06:56:08	2003-08-18T06:34:44			
Observation end time	177597032.184000	177597683.29319			
Observation end date	2003-08-18T12:29:28	2003-08-18T12:41:23			
Read mode	TIMED	TIMED			

2.3 Aspect



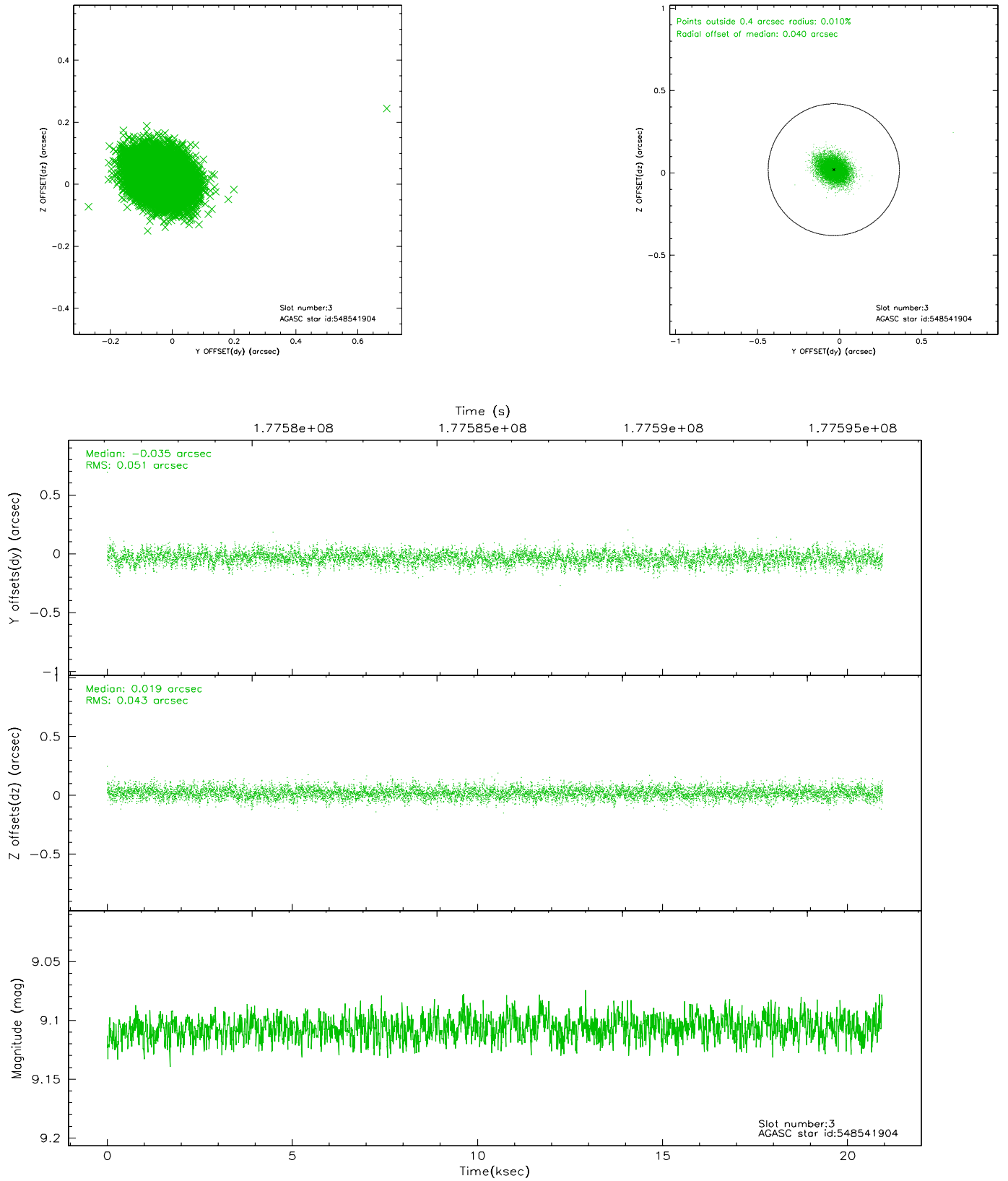


Slot Statistics

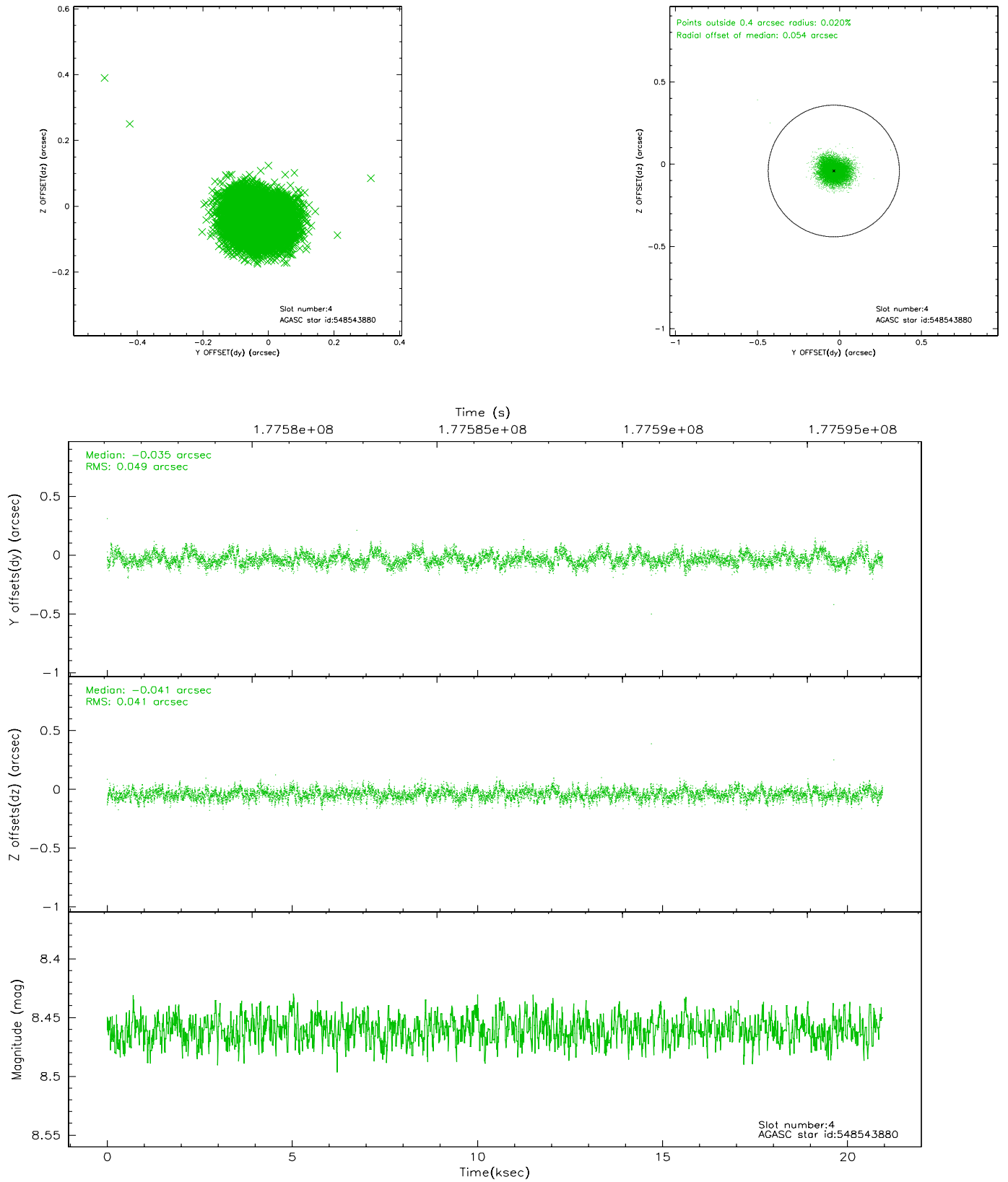
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5111	-0.048	0.004	0.008	0.013	0.000000	0.000000	-759.44	-1731.64
1	FID	ACIS-S-4	7.20	5111	0.030	0.022	0.006	0.010	0.000000	0.000000	2153.80	176.74
2	FID	ACIS-S-5	7.23	5111	-0.013	-0.017	0.007	0.013	0.000000	0.000000	-1812.06	170.49
3	GUIDE	548541904	9.11	10220	-0.035	0.019	0.069	0.117	238.398030	64.776730	1887.19	-1853.29
4	GUIDE	548543880	8.46	10176	-0.035	-0.041	0.068	0.110	239.907832	64.745157	1700.84	459.29
5	GUIDE	548937368	8.93	10218	0.006	0.044	0.083	0.132	239.417352	65.396683	-519.94	-598.39
6	GUIDE	549849656	9.20	10220	0.015	-0.011	0.078	0.128	240.650889	65.694358	-1844.10	1066.94
7	GUIDE	548541064	9.36	10217	0.043	-0.014	0.098	0.159	238.050198	64.948429	1334.22	-2452.34

2.4 Star Slots

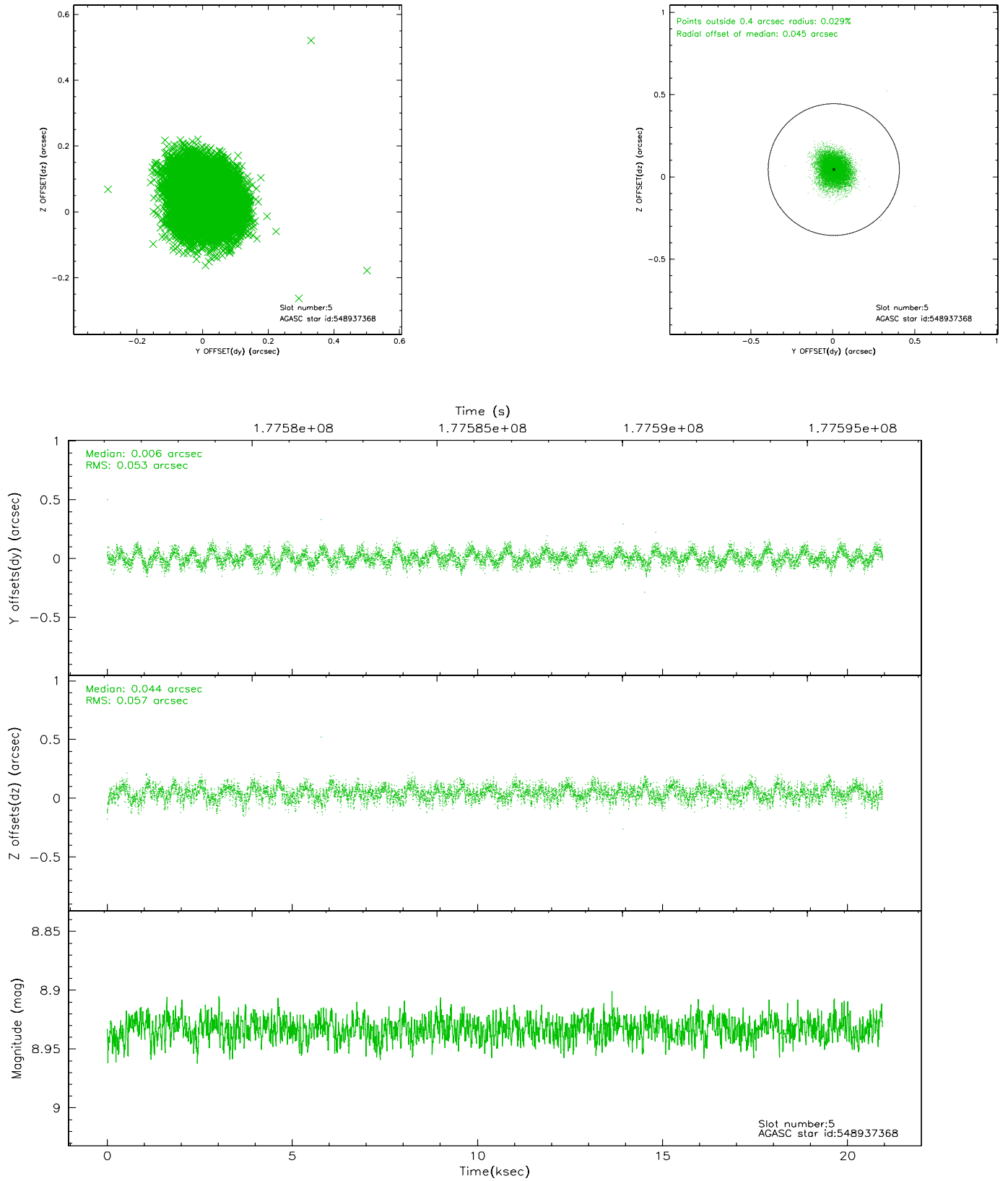
2.4.1 Slot 3



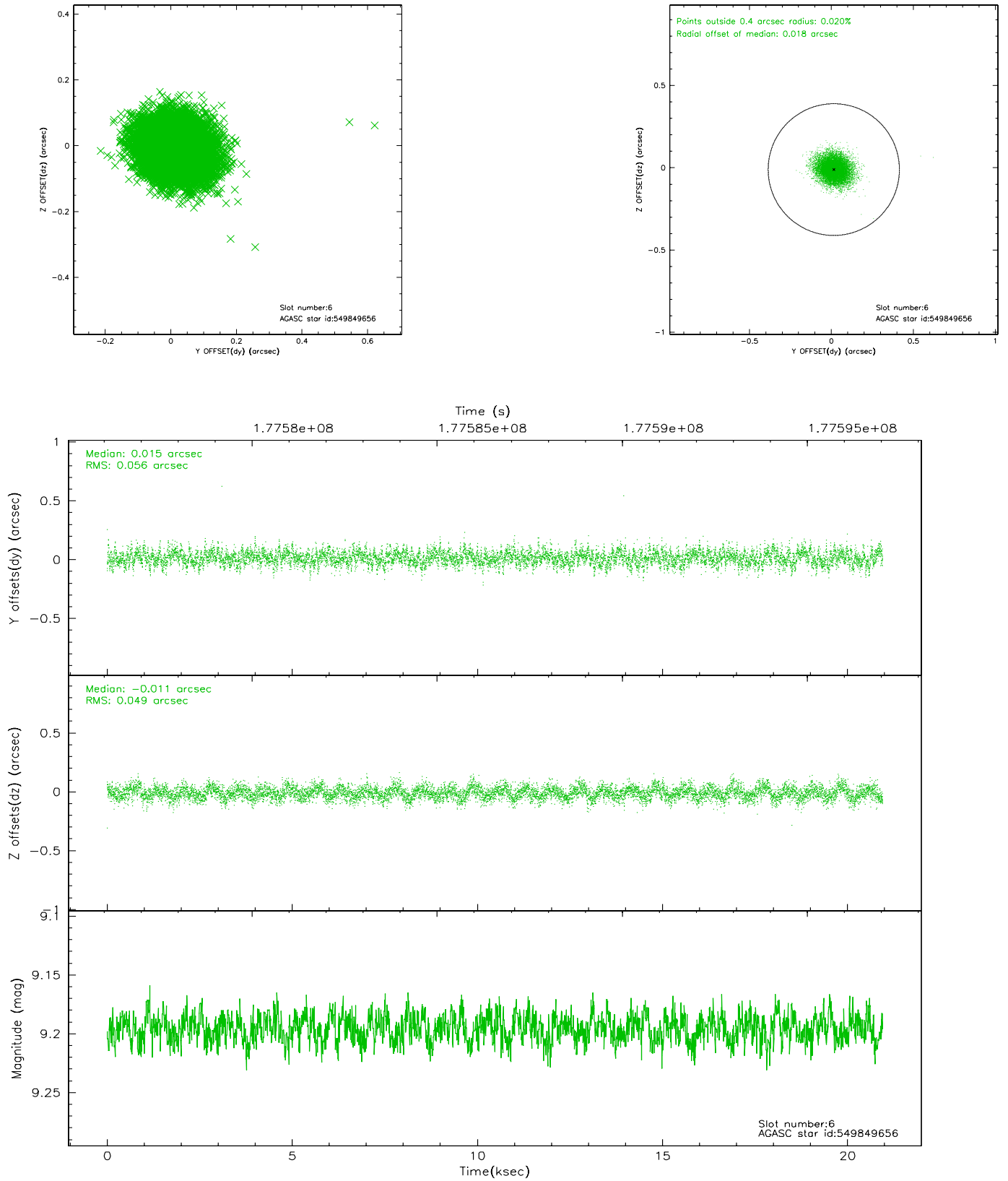
2.4.2 Slot 4



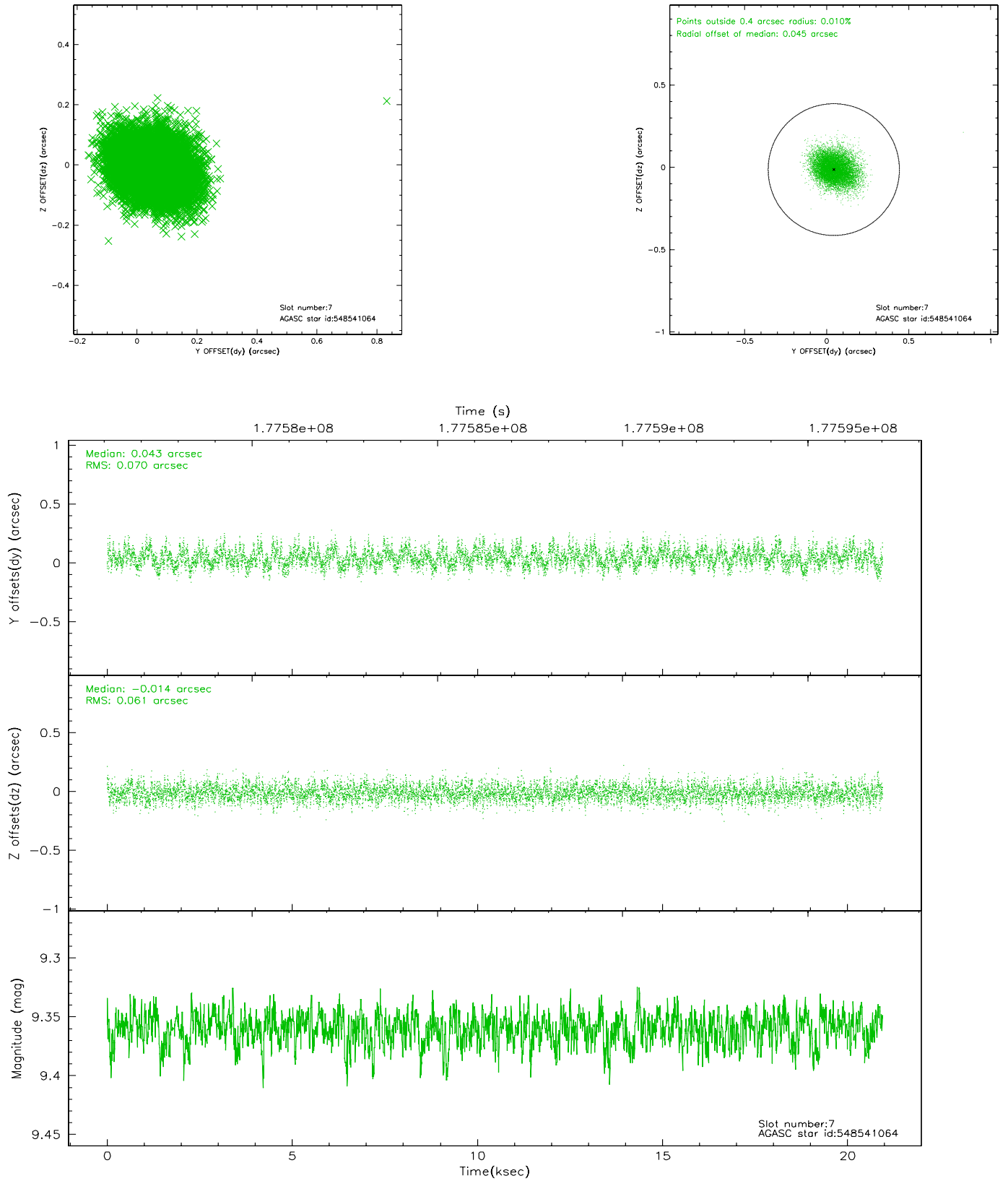
2.4.3 Slot 5



2.4.4 Slot 6

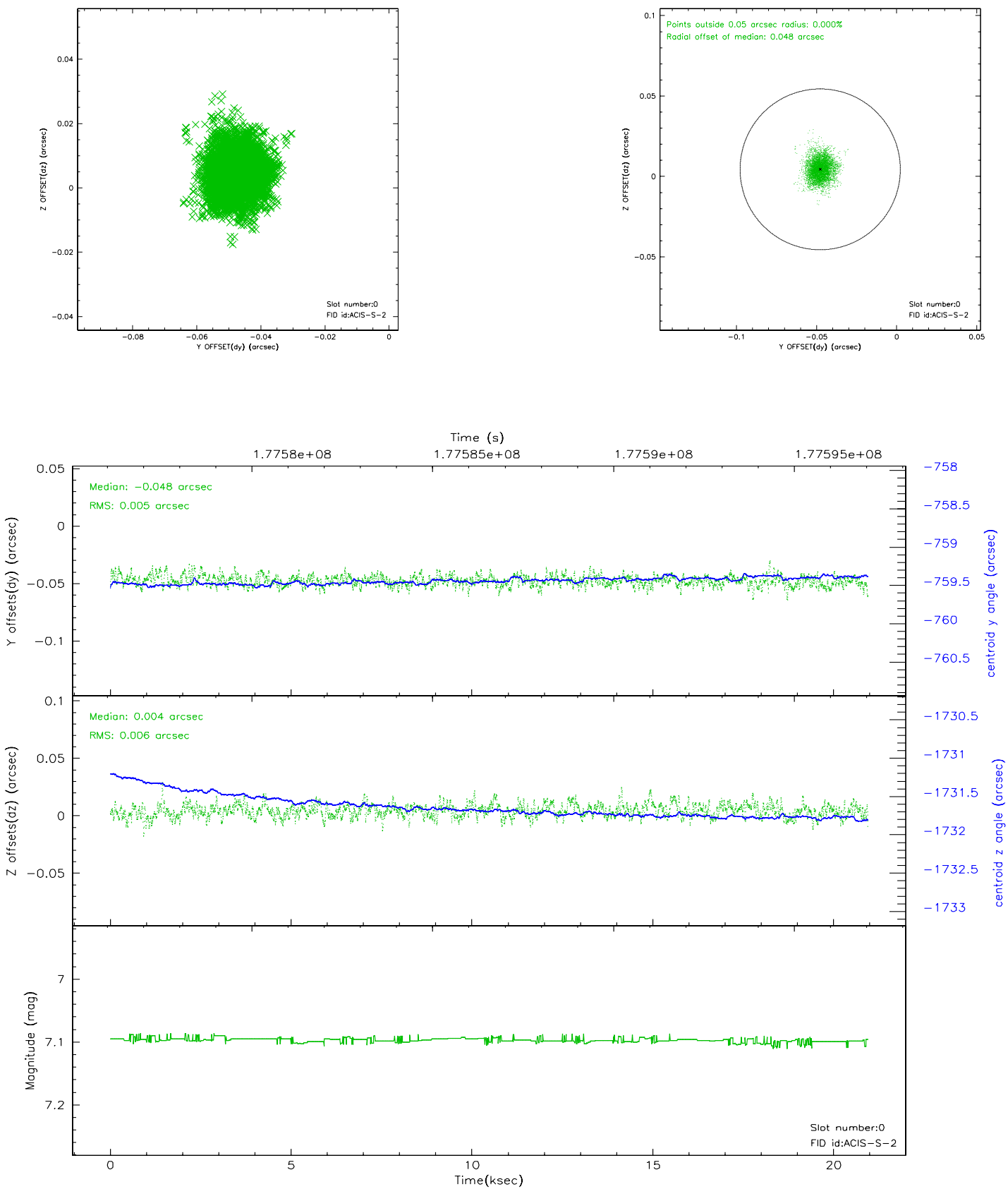


2.4.5 Slot 7

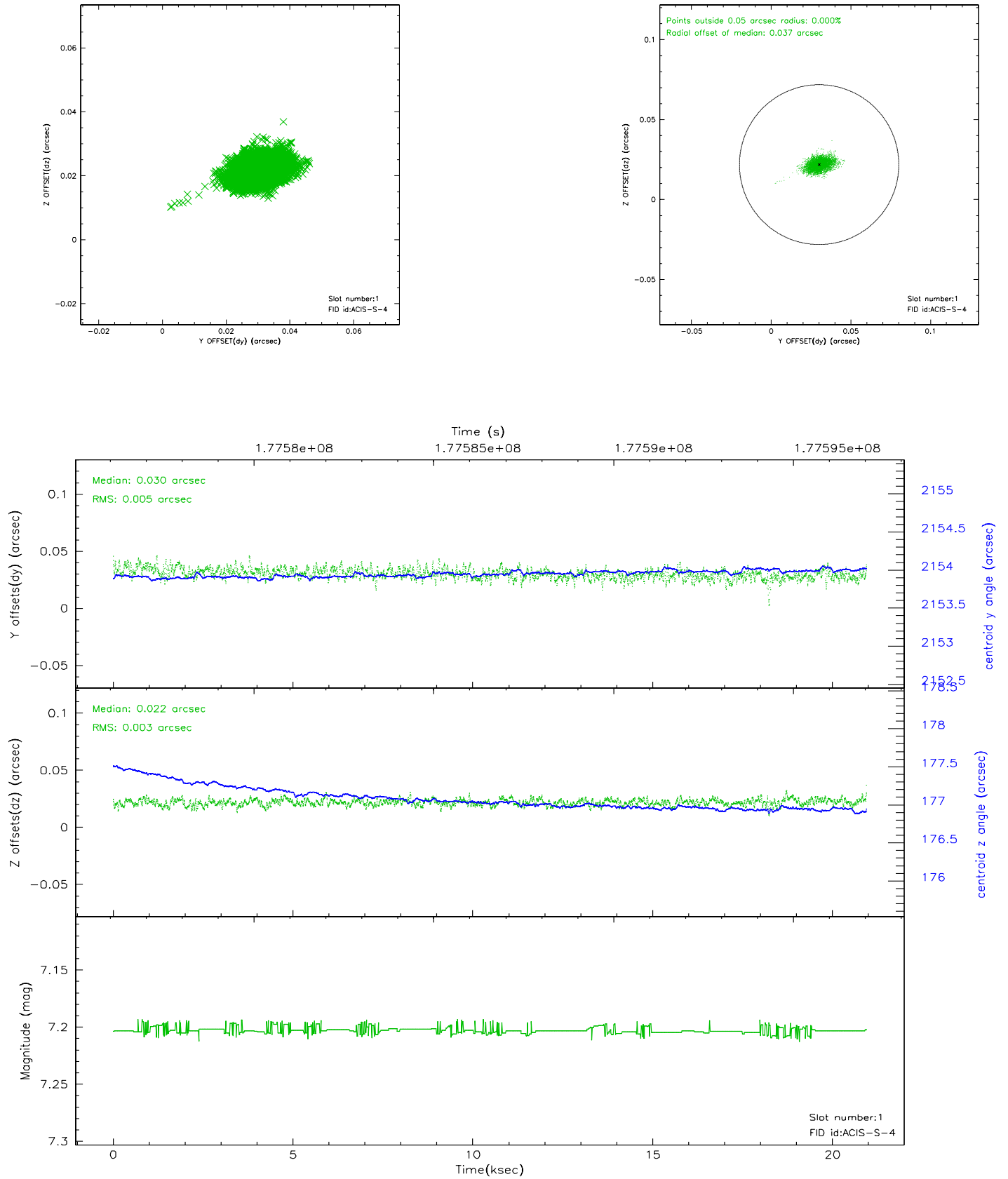


2.5 FID Slots

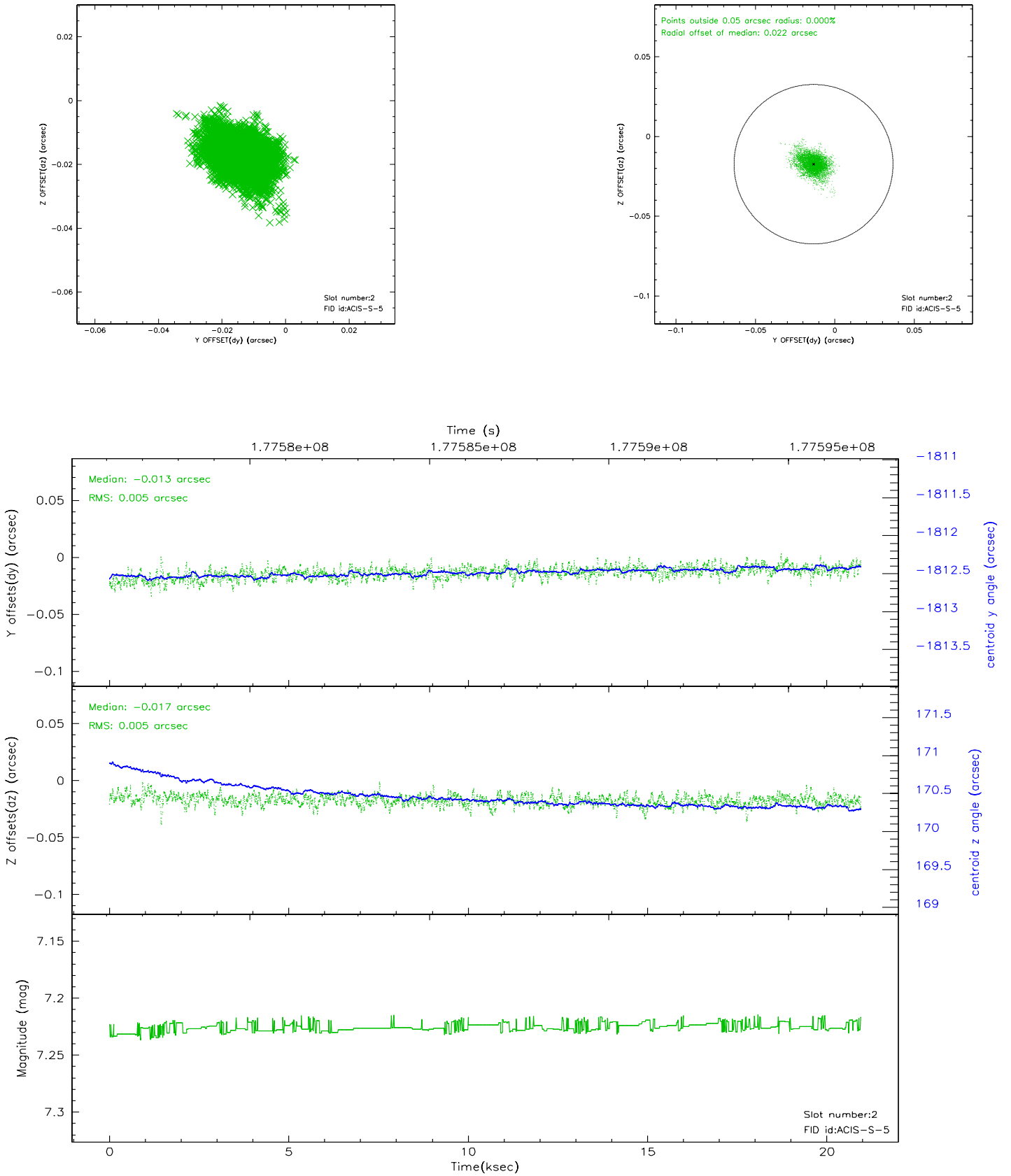
2.5.1 Slot 0



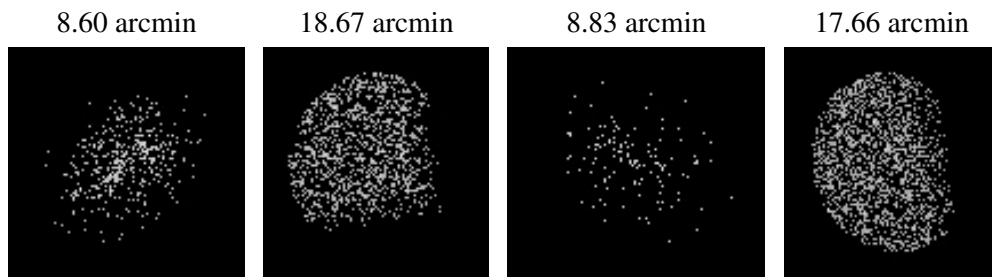
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.964

A.2 Comments

The ACIS focal plane temperature drops by more than a degree during this observation.