

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3009 - L2 Version 001
Chandra X-Ray Center

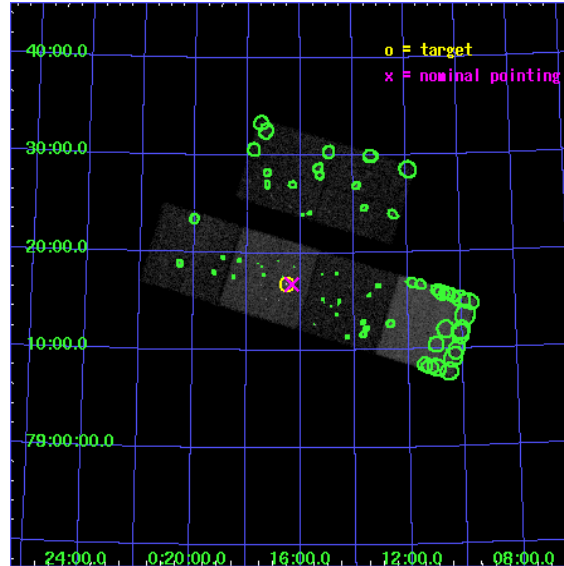
L2 Processing Date : Oct 7 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

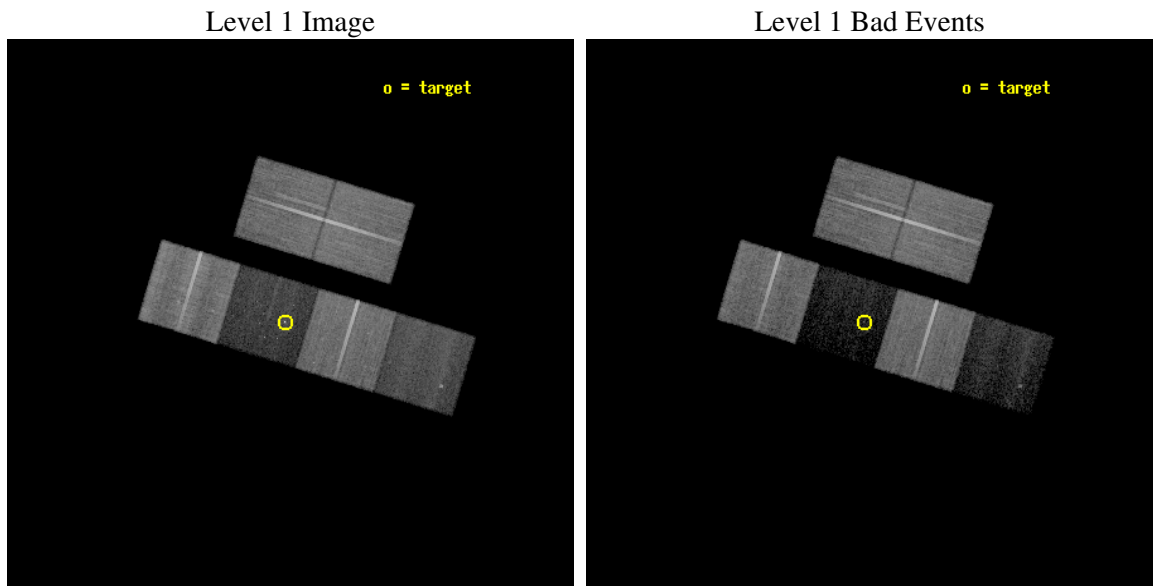
seq_num	700448
obs_id	3009
title	INVERSE COMPTON SCATTERING IN POWERFUL RADIO GALAXIES: CONSTRAINING THE ELECTRON SPECTRUM
observer	Dr. Gianfranco Brunetti
object	3C 6.1
dtcycle	0
cycle	P
ra_targ	4.131667
dec_targ	79.281111
ra_nom	4.080067625548
dec_nom	79.279968032045
roll_nom	196.9643044783
revision	2
ontime	36959.999862313
livetime	36491.990089417
ontime2	36950.276971549
ontime3	36956.758892059
ontime5	36959.999862313
ontime6	36953.517901838
ontime7	36959.999862313
ontime8	36956.758872122
l2events	99424



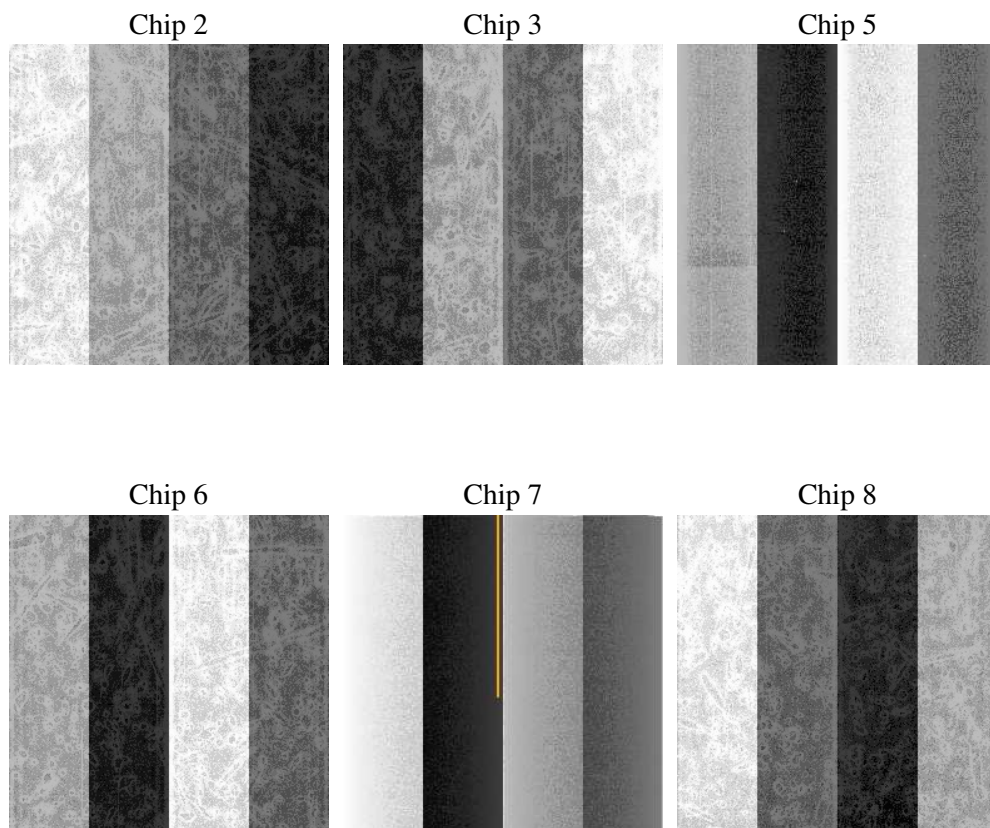
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-07T07:04:32
revision	2

sched_exp_time	37000.000000
ontime	36963.615893573
ontime2	36953.892972916
ontime3	36960.374893427
ontime5	36963.615893573
ontime6	36957.133903205
ontime7	36963.615893573
ontime8	36960.374873489
l1events	796744

2.1.4 Events

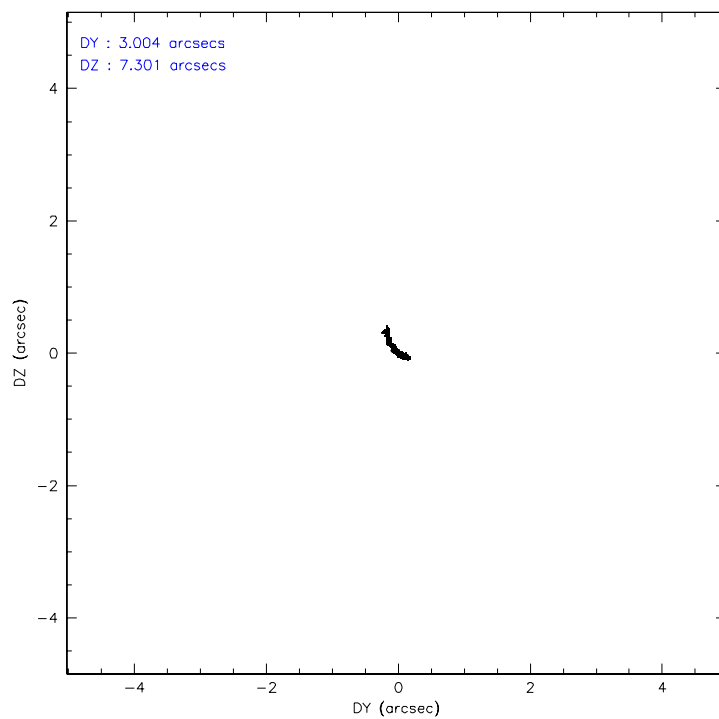
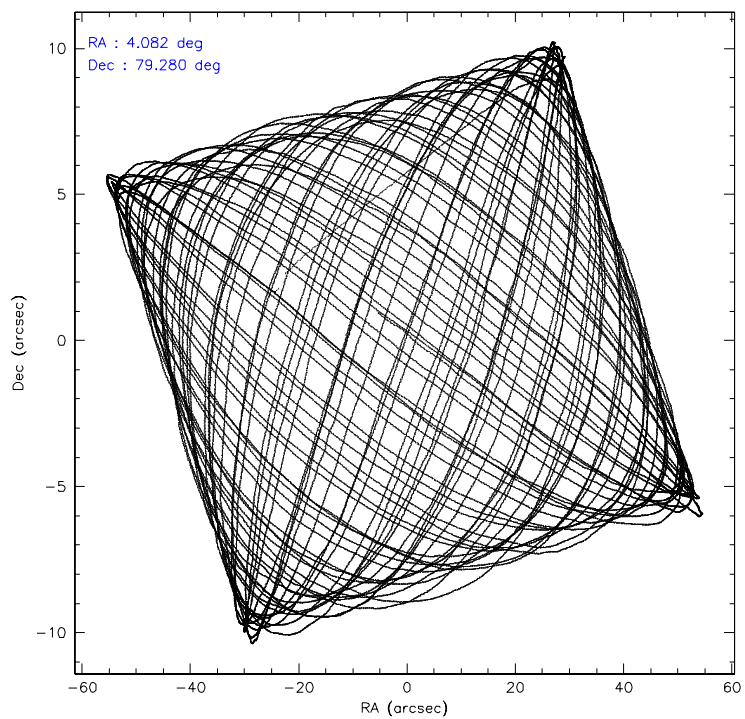
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	182098	161387	62663	160448	41438	188710
rejected events	170885	151198	24023	148792	15009	146548
rejected %	93%	93%	38%	92%	36%	77%

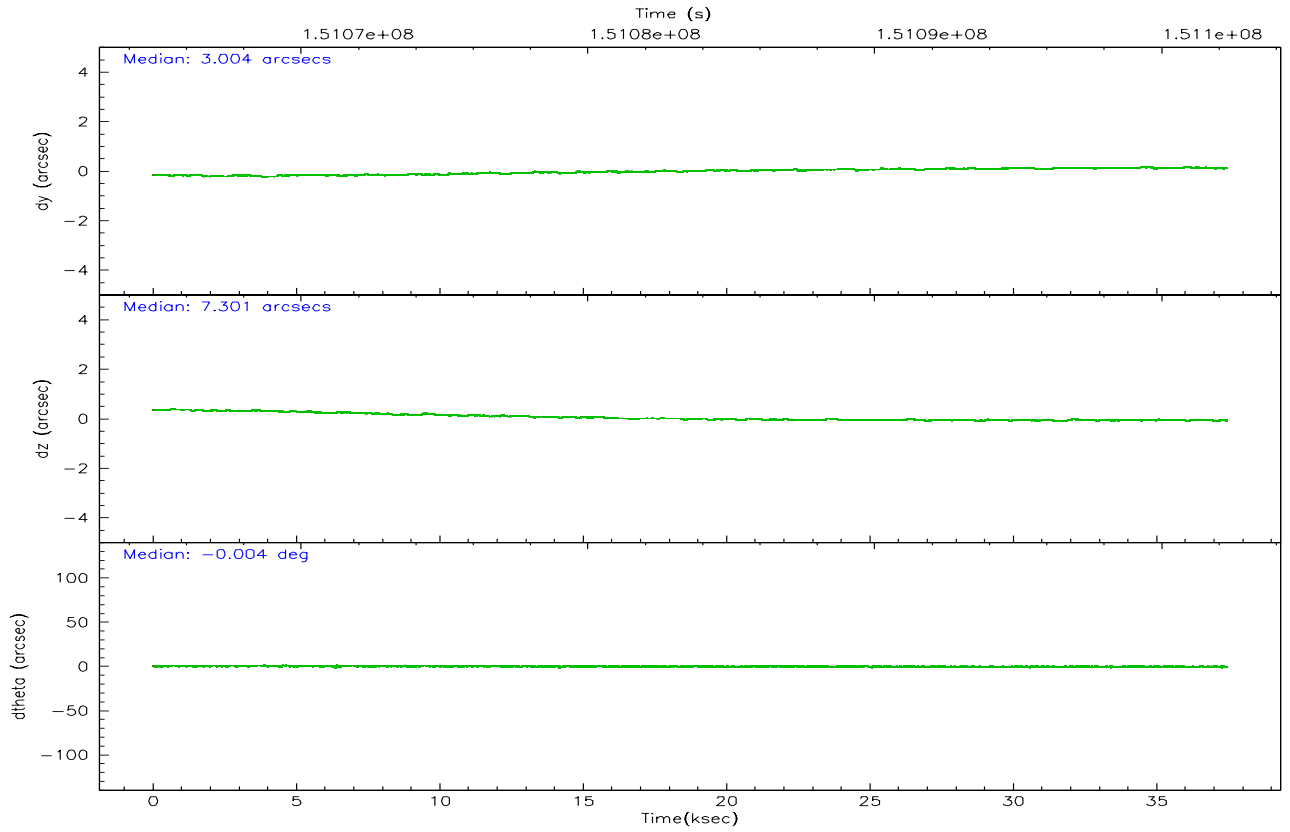
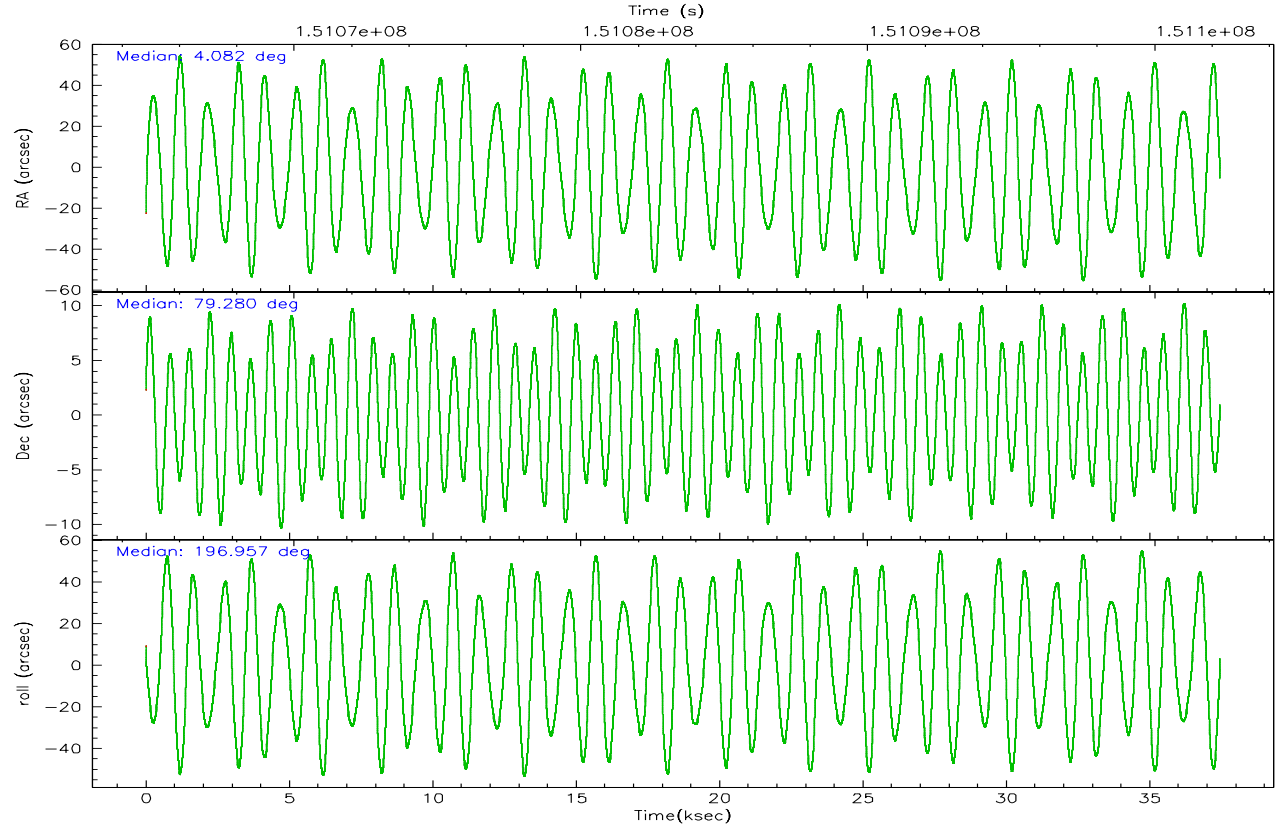
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4540	4527	2911	5246	4104	10454
	2%	2%	4%	3%	9%	5%
grade 1 events	58	63	57	60	80	126
	0%	0%	0%	0%	0%	0%
grade 2 events	2663	1878	14564	2270	7416	9653
	1%	1%	23%	1%	17%	5%
grade 3 events	1343	1339	1447	1391	2329	5315
	0%	0%	2%	0%	5%	2%
grade 4 events	1365	1242	1398	1358	2242	4833
	0%	0%	2%	0%	5%	2%
grade 5 events	1142	1311	4155	1237	3304	2579
	0%	0%	6%	0%	7%	1%
grade 6 events	1302	1204	18322	1393	10339	11909
	0%	0%	29%	0%	24%	6%
grade 7 events	169685	149823	19809	147493	11624	143841
	93%	92%	31%	91%	28%	76%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	4.178654	4.080067625547978	Subarray requested	NONE	NONE
Pointing Dec	79.300079	79.27996803204459	Alternating exposures requested	N	N
Pointing Roll	196.710812	196.9643044783012	Primary exposure time	0.000000	3.2
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	151065288.184000	151064195.46316			
Observation start date	2002-10-15T10:33:44	2002-10-15T10:16:35			
Observation end time	151102288.184000	151103250.01478			
Observation end date	2002-10-15T20:50:24	2002-10-15T21:07:30			
Read mode	TIMED	TIMED			

2.3 Aspect



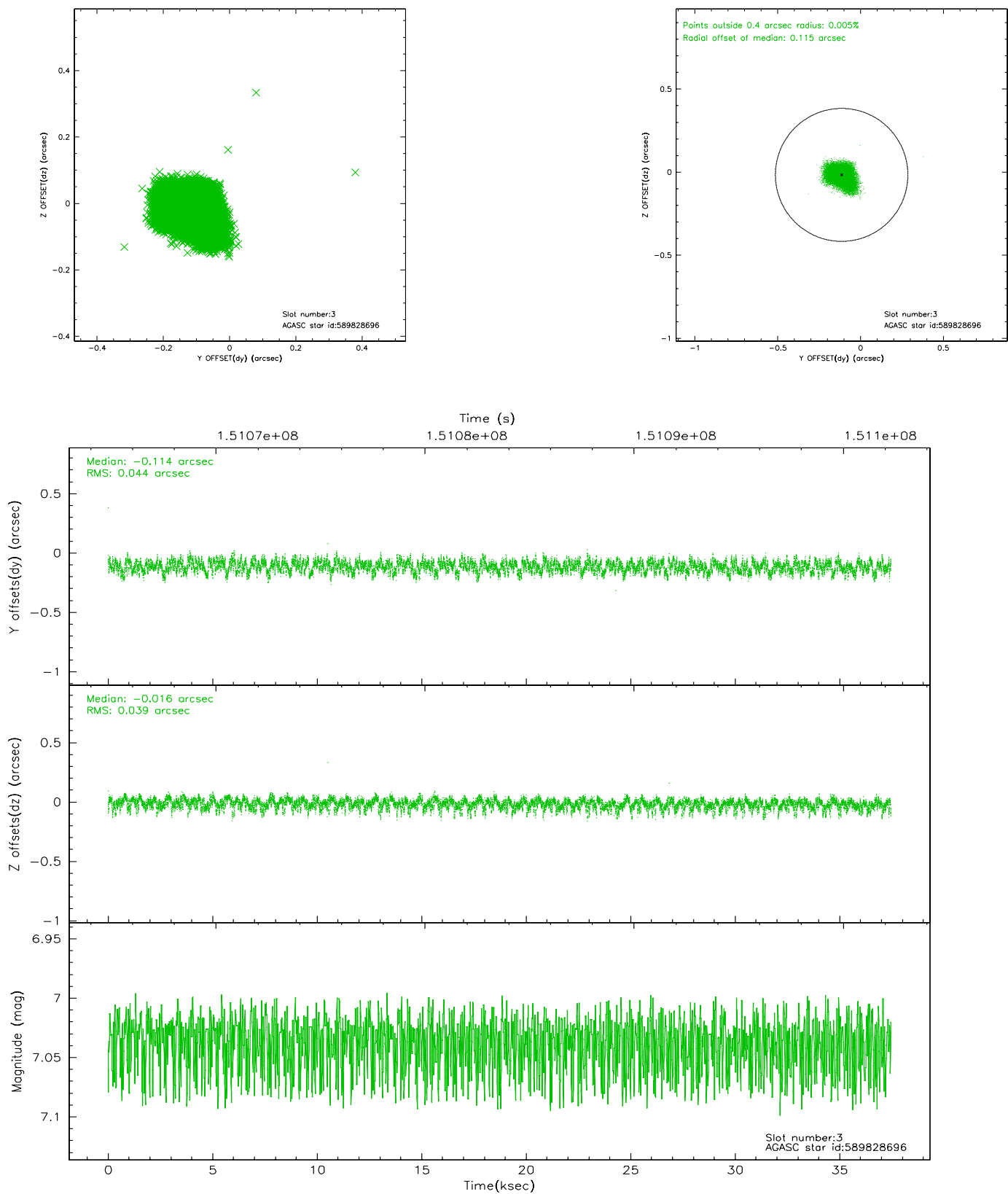


Slot Statistics

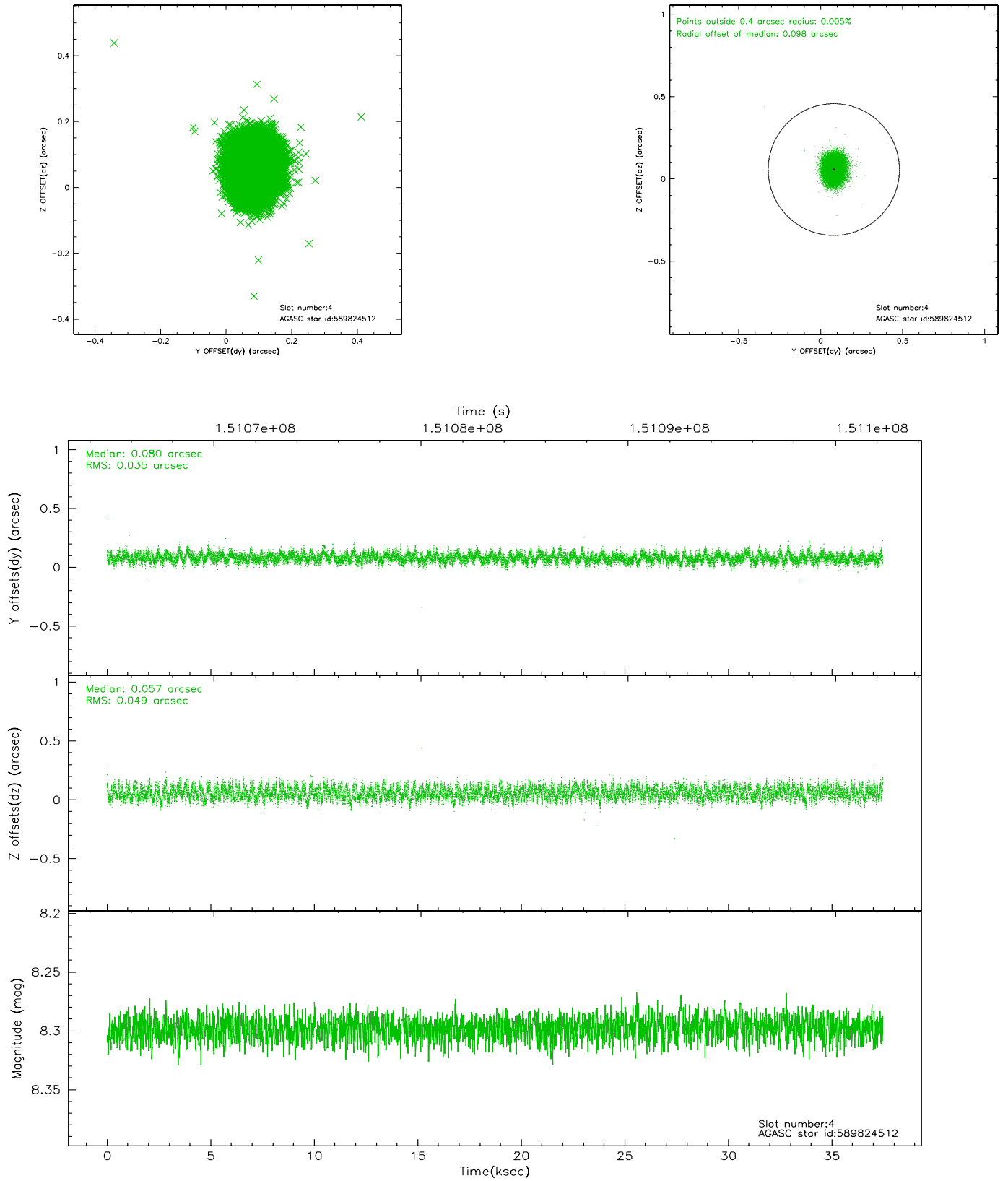
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9137	-0.004	0.018	0.007	0.011	0.000000	0.000000	-755.64	-1728.52
1	FID	ACIS-S-4	7.20	9134	-0.043	-0.003	0.009	0.015	0.000000	0.000000	2157.59	179.90
2	FID	ACIS-S-5	7.24	9137	0.017	-0.006	0.008	0.013	0.000000	0.000000	-1808.42	173.62
3	GUIDE	589828696	7.04	18272	-0.114	-0.016	0.062	0.104	6.780769	80.052144	-2336.95	-2162.87
4	GUIDE	589824512	8.30	18270	0.080	0.057	0.065	0.101	6.067443	79.539008	-1433.81	-488.36
5	GUIDE	589837624	8.95	18263	-0.046	-0.007	0.089	0.148	1.382205	78.951069	2196.40	604.67
6	GUIDE	589839880	9.48	18263	0.072	-0.219	0.106	0.178	6.289102	78.845431	-943.05	1964.40
7	GUIDE	589839280	9.50	18263	0.009	0.186	0.084	0.137	3.312466	78.885293	1005.08	1253.40

2.4 Star Slots

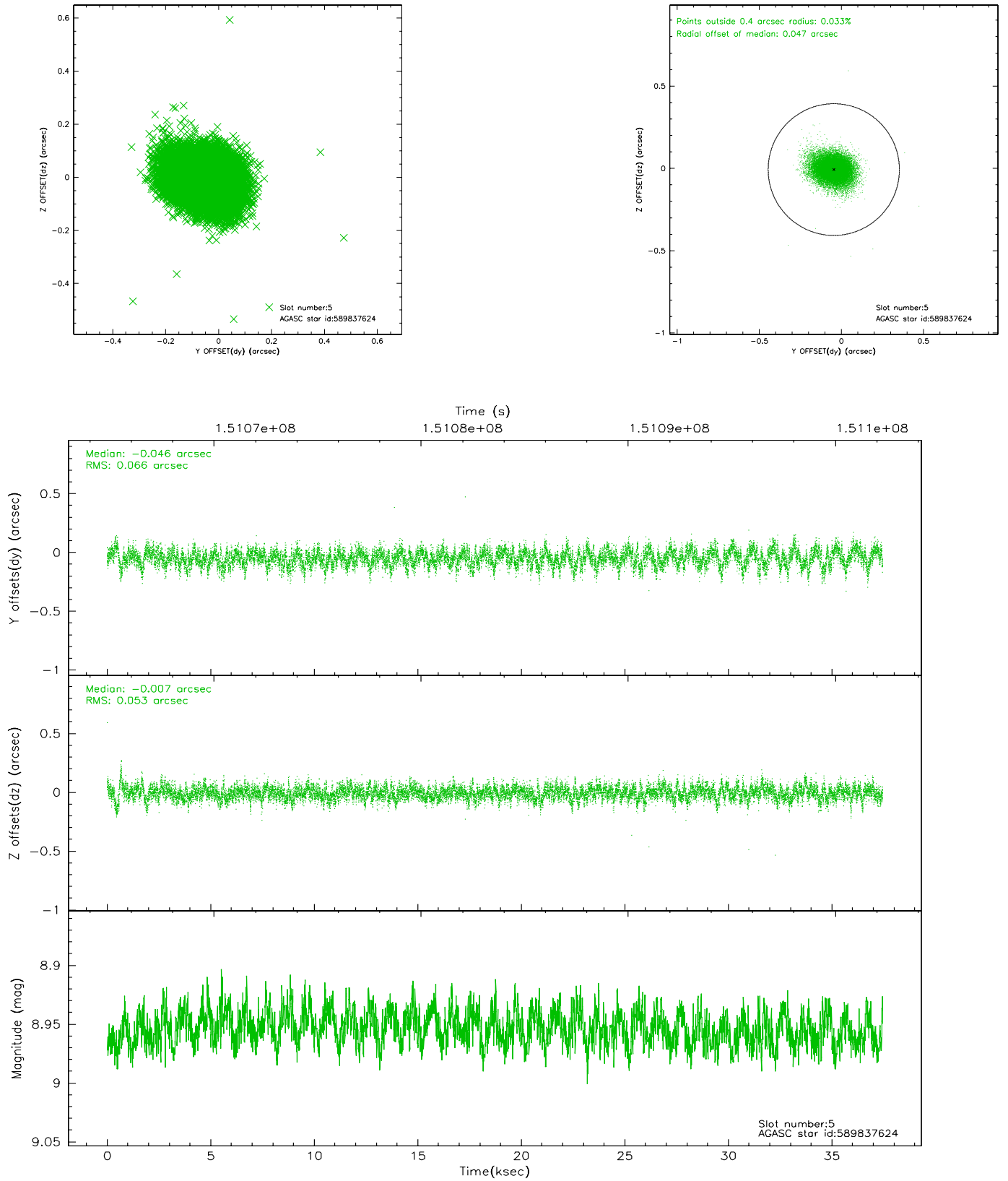
2.4.1 Slot 3



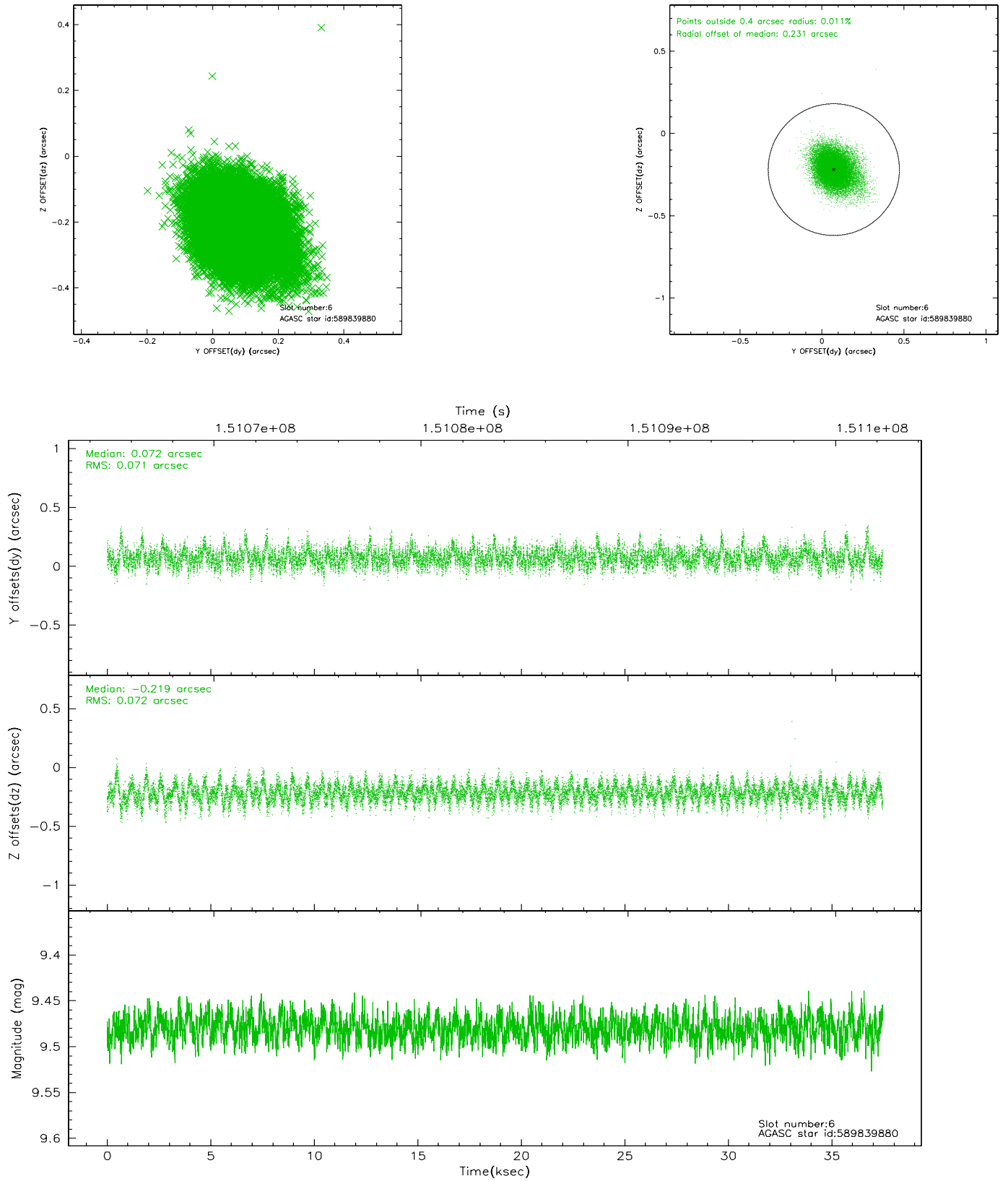
2.4.2 Slot 4



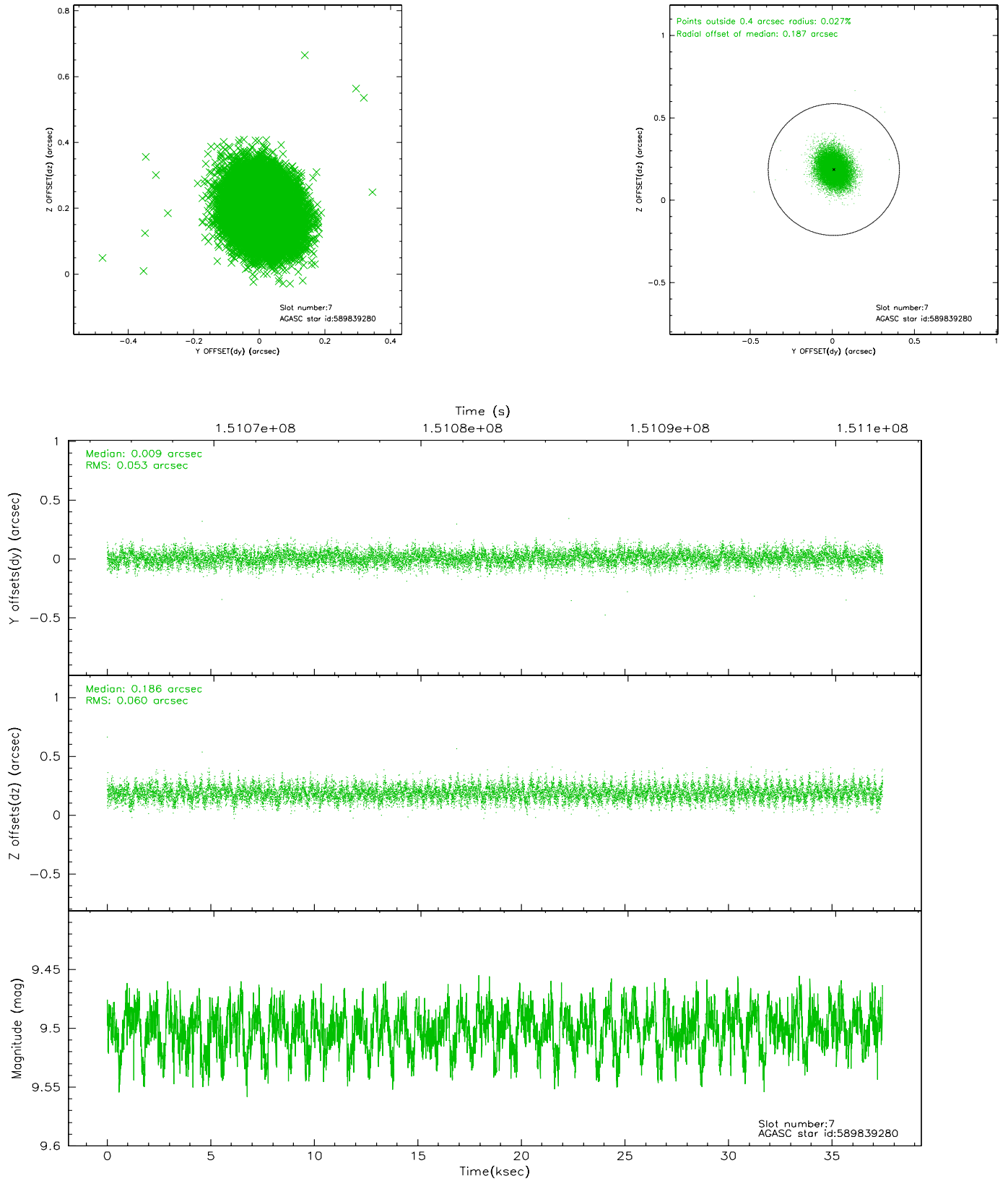
2.4.3 Slot 5



2.4.4 Slot 6

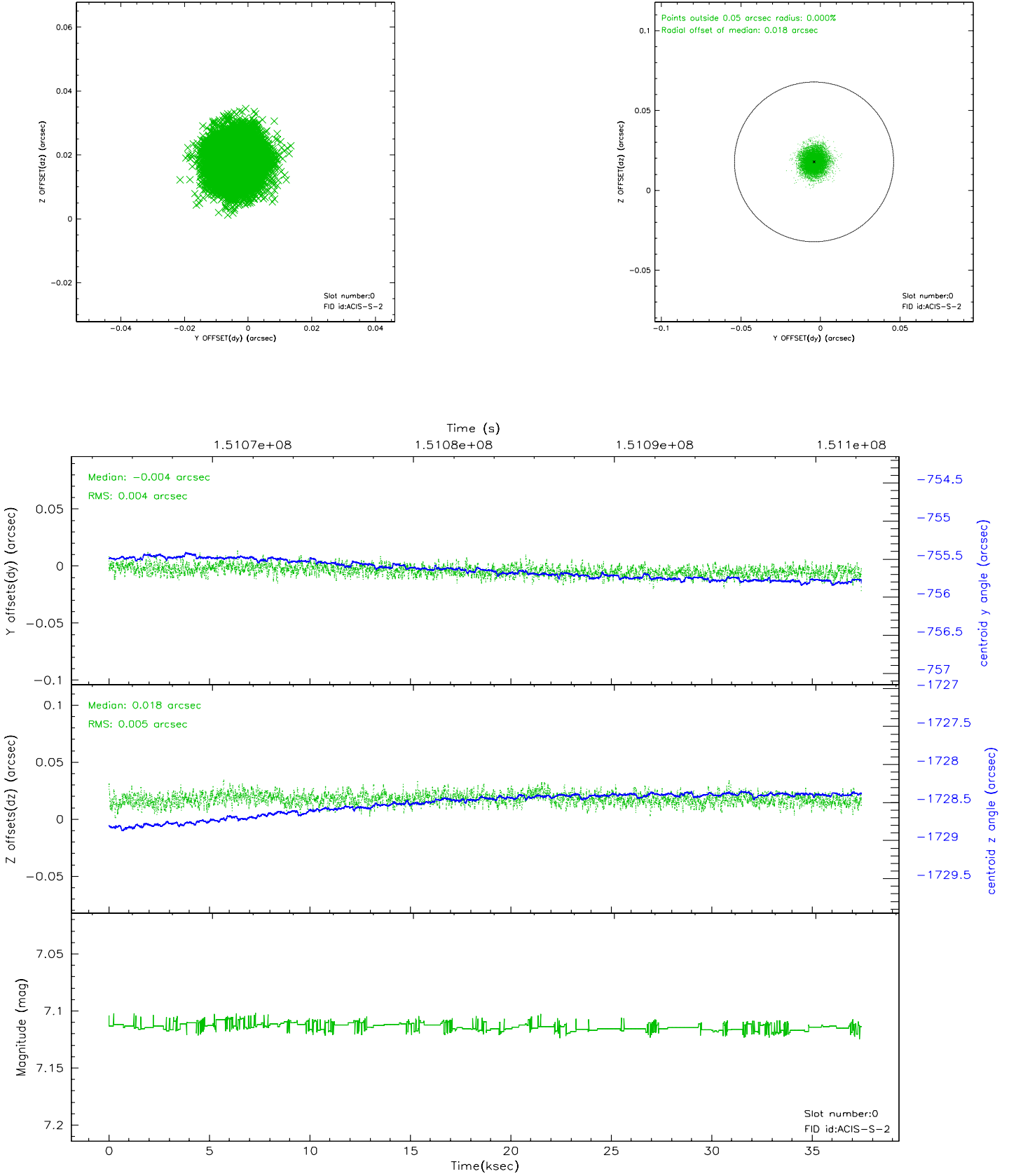


2.4.5 Slot 7

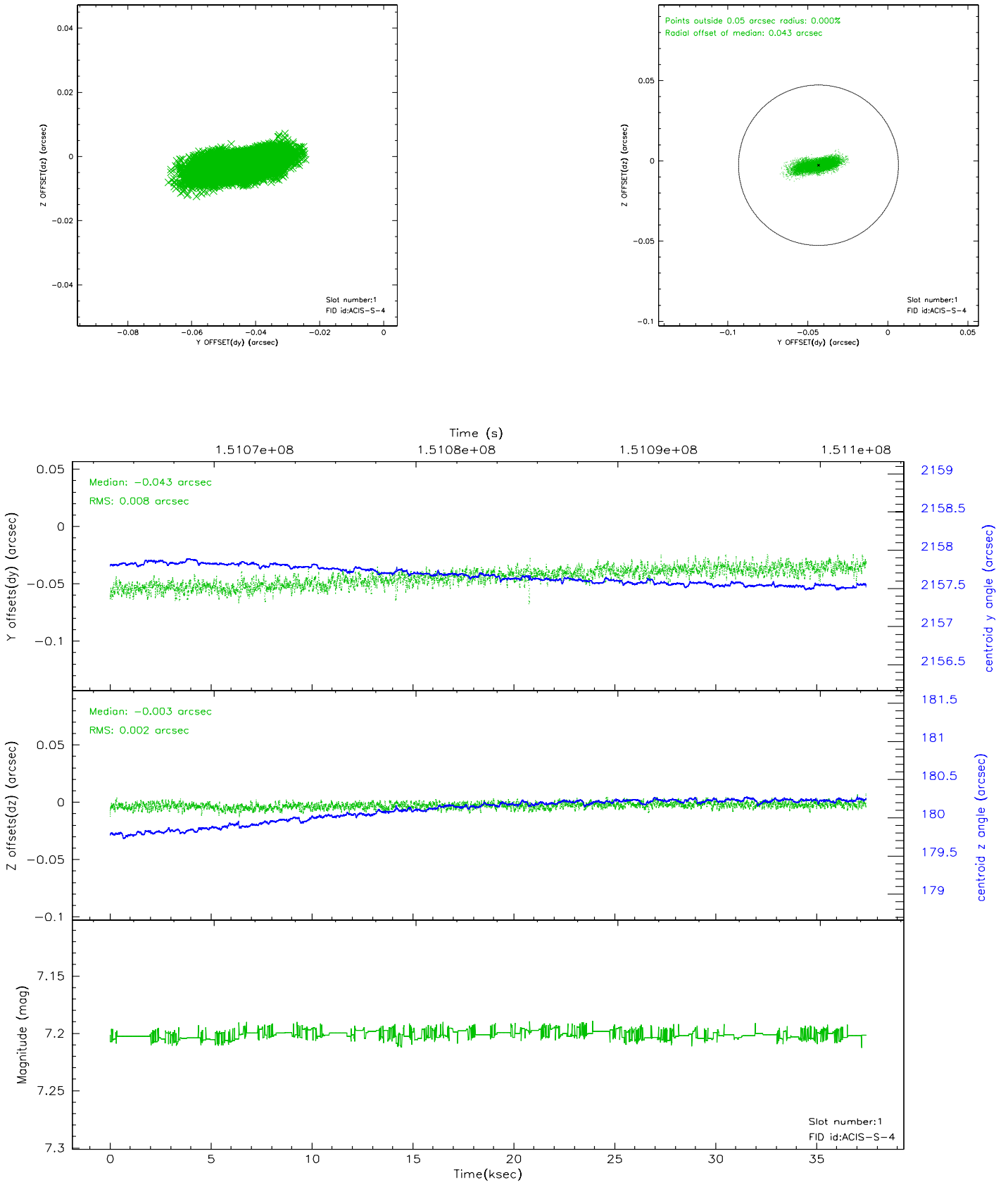


2.5 FID Slots

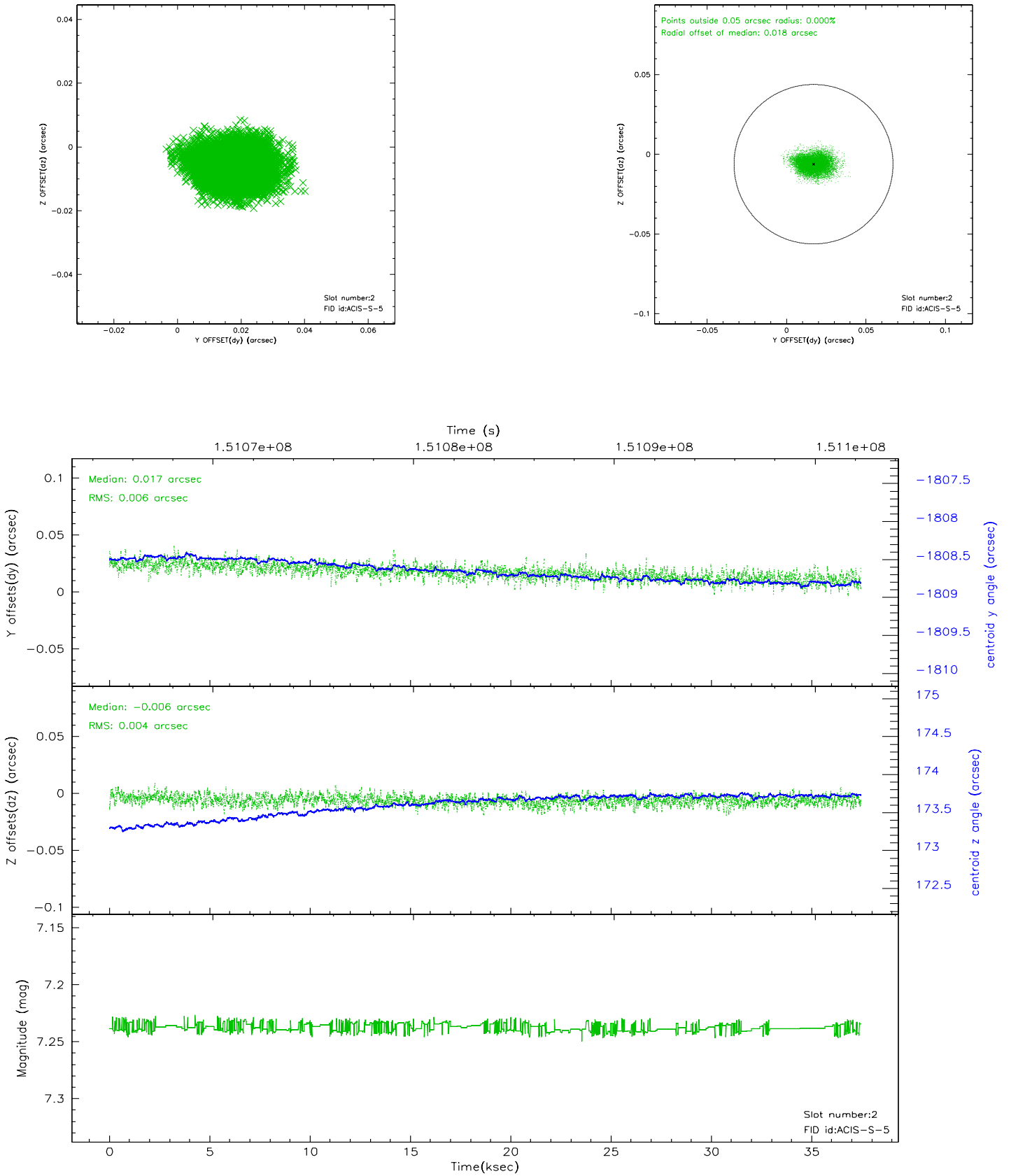
2.5.1 Slot 0



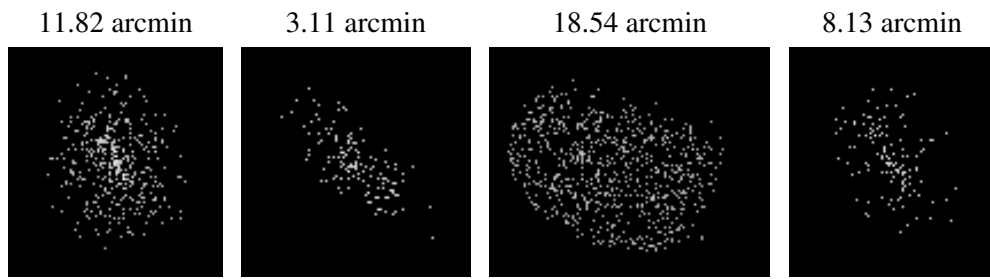
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.959

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the first 6 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.