

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3955 - L2 Version 001
Chandra X-Ray Center

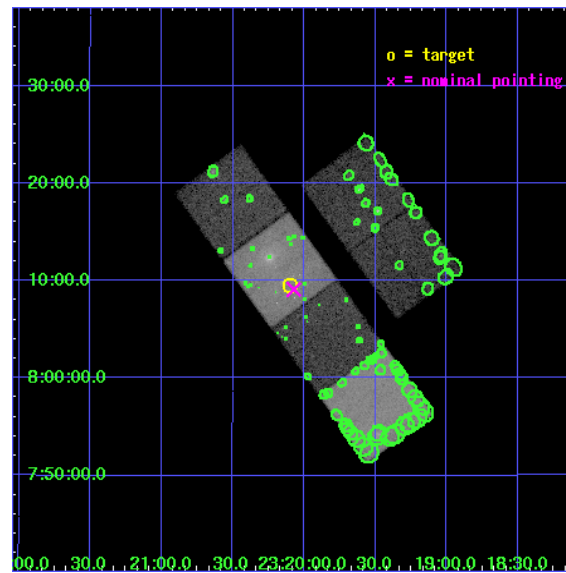
L2 Processing Date : Jul 4 2006

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1 Front

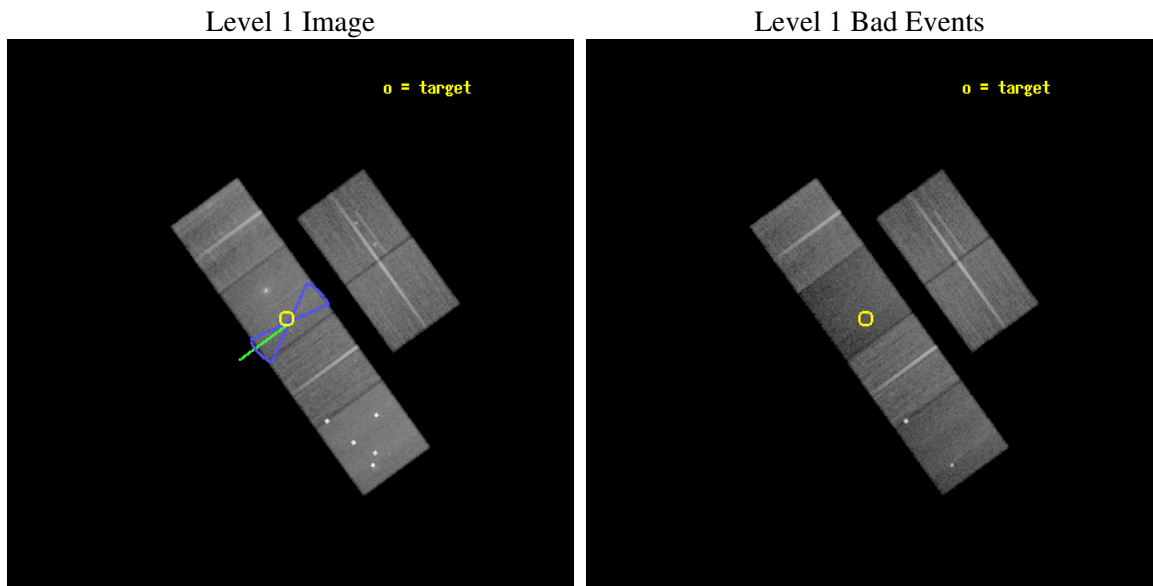
seq_num	600329
obs_id	3955
title	X-RAY TAILS IN EARLY TYPE GALAXIES
observer	Dr. Dong-Woo Kim
object	NGC 7619
dtcycle	0
cycle	P
ra_targ	350.025
dec_targ	8.158333
ra_nom	350.0179820968
dec_nom	8.1516303812661
roll_nom	234.04378208611
revision	2
ontime	37955.117898017
livetime	37474.507341364
ontime2	37961.599858582
ontime3	37958.358878314
ontime5	37958.358858407
ontime6	37948.635917574
ontime7	37955.117898017
ontime8	37958.358878314
l2events	309442



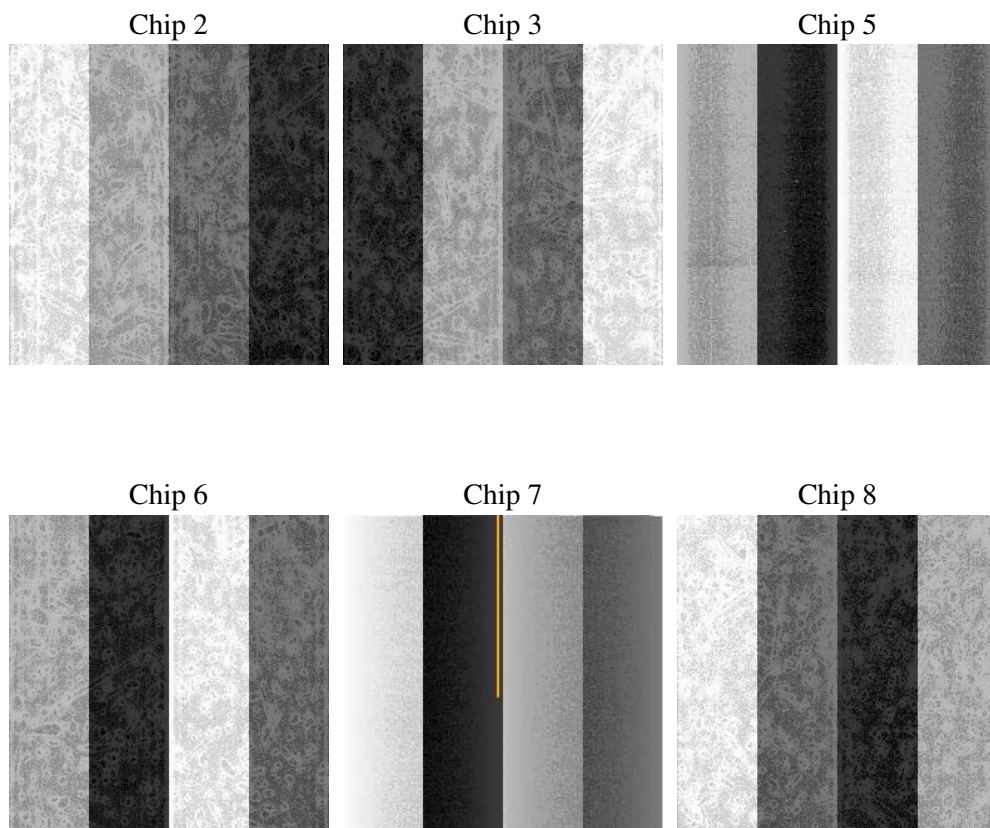
2 OBI

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	2006-07-04T12:07:38
revision	2

sched_exp_time	38000.000000
ontime	37958.6837084
ontime2	37965.165649027
ontime3	37961.924688697
ontime5	37961.924668789
ontime6	37952.201708019
ontime7	37958.6837084
ontime8	37961.924668759
l1events	1342714

2.1.4 Events

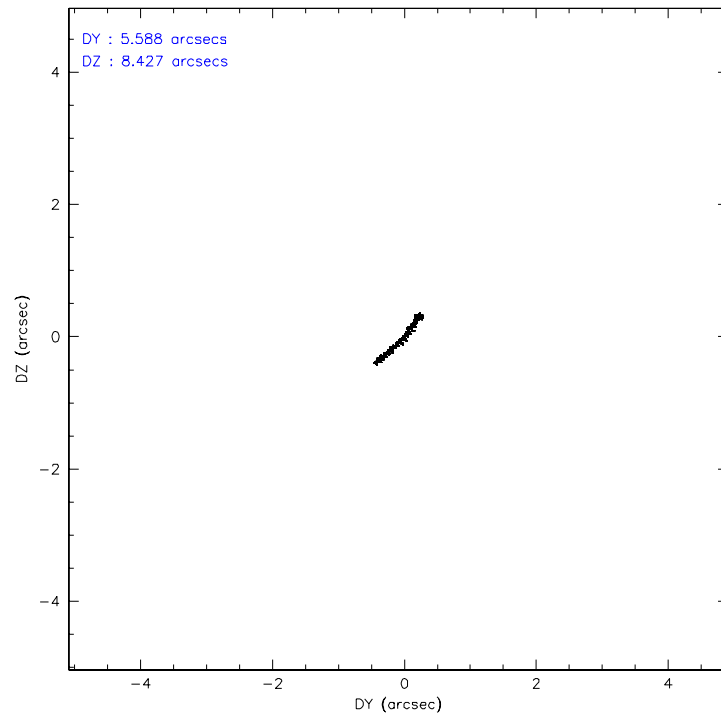
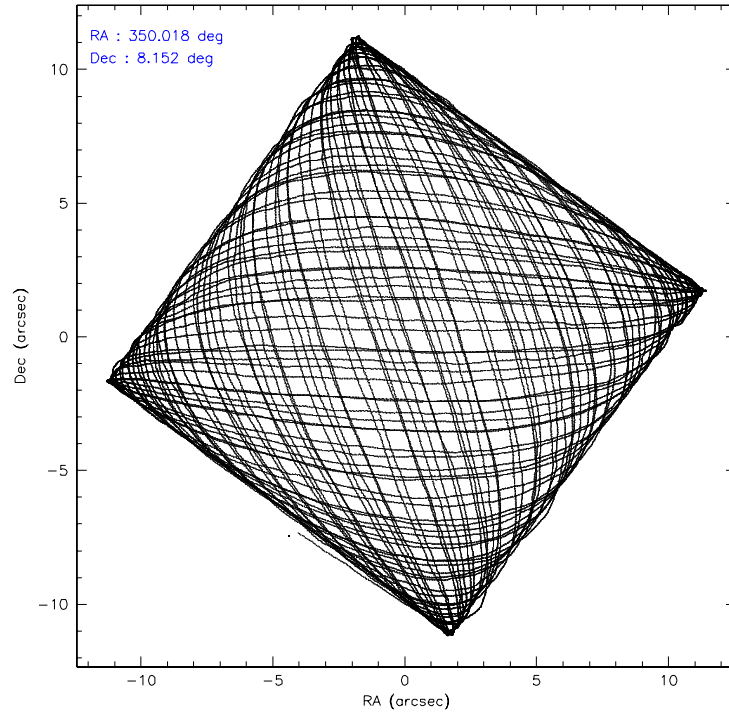
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	212213	191535	291627	200324	212095	234920
rejected events	192767	171186	121414	177231	98772	181912
rejected %	90%	89%	41%	88%	46%	77%

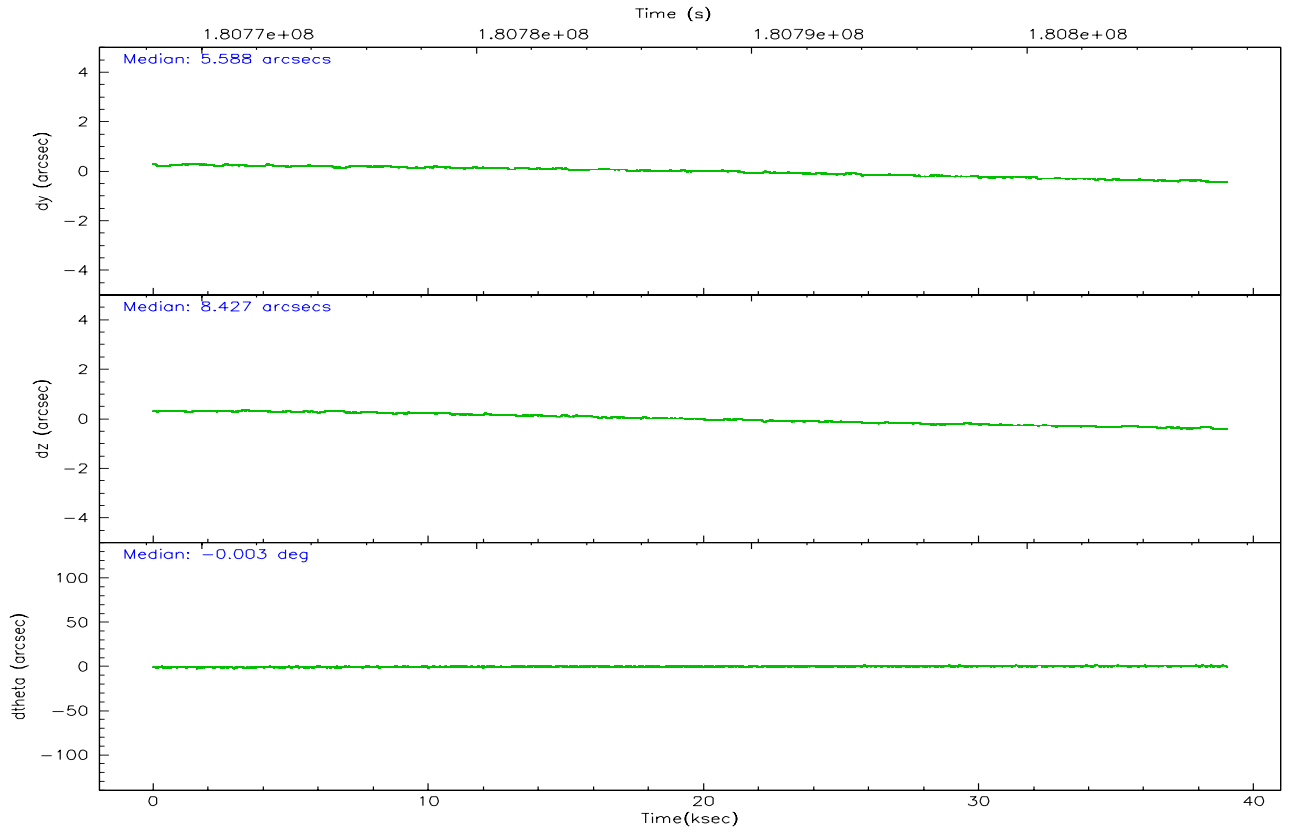
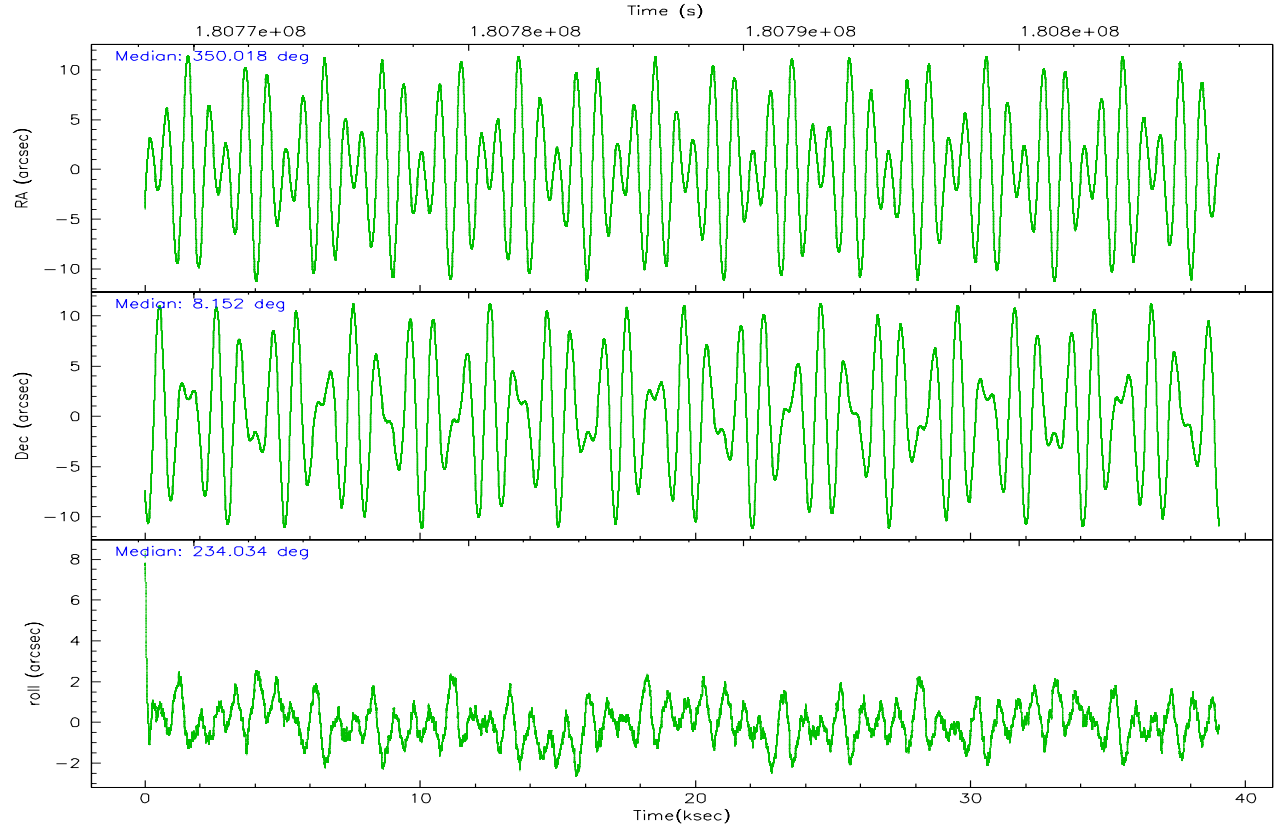
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7757	8949	38232	10183	12416	16945
	3%	4%	13%	5%	5%	7%
grade 1 events	104	88	5017	99	124	160
	0%	0%	1%	0%	0%	0%
grade 2 events	4262	3742	51226	4373	28884	11689
	2%	1%	17%	2%	13%	4%
grade 3 events	2148	2115	4657	2281	8161	5515
	1%	1%	1%	1%	3%	2%
grade 4 events	2139	2203	4759	2260	8048	5290
	1%	1%	1%	1%	3%	2%
grade 5 events	5361	6303	14439	6379	14674	9519
	2%	3%	4%	3%	6%	4%
grade 6 events	3144	3342	71357	4004	55825	13572
	1%	1%	24%	1%	26%	5%
grade 7 events	187298	164793	101940	170745	83963	172230
	88%	86%	34%	85%	39%	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	350.020448	350.0179820967992	Alternating exposures requested	N	N
Pointing Dec	8.178740	8.151630381266131	Primary exposure time	0.000000	3.2
Pointing Roll	233.886807	234.0437820861146			
Roll angle	225.000000	225.000000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
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	180769278.184000	180767889.52899			
Observation start date	2003-09-24T05:40:14	2003-09-24T05:18:09			
Observation end time	180807278.184000	180808235.58072			
Observation end date	2003-09-24T16:13:34	2003-09-24T16:30:35			
Read mode	TIMED	TIMED			

2.3 Aspect



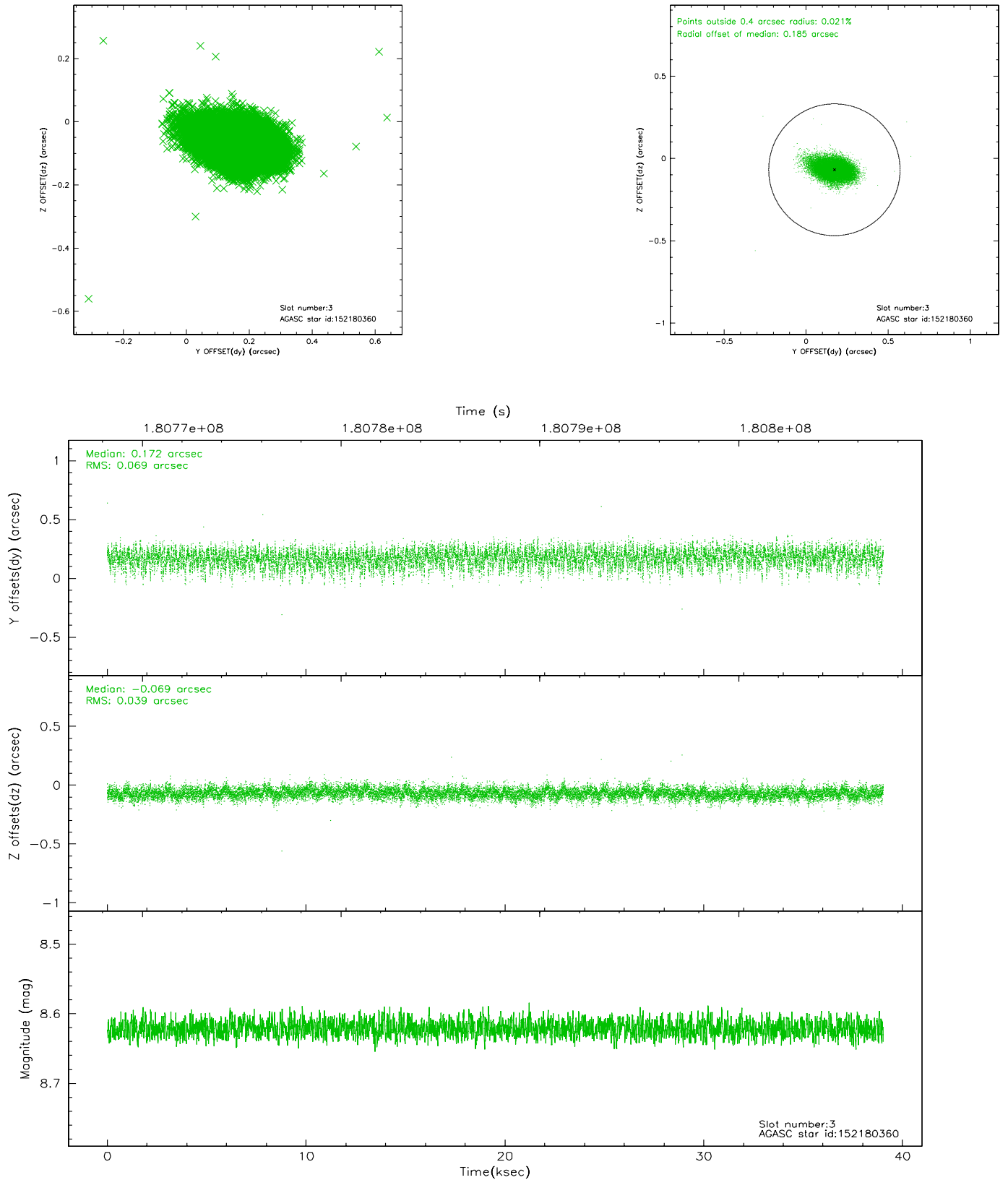


Slot Statistics

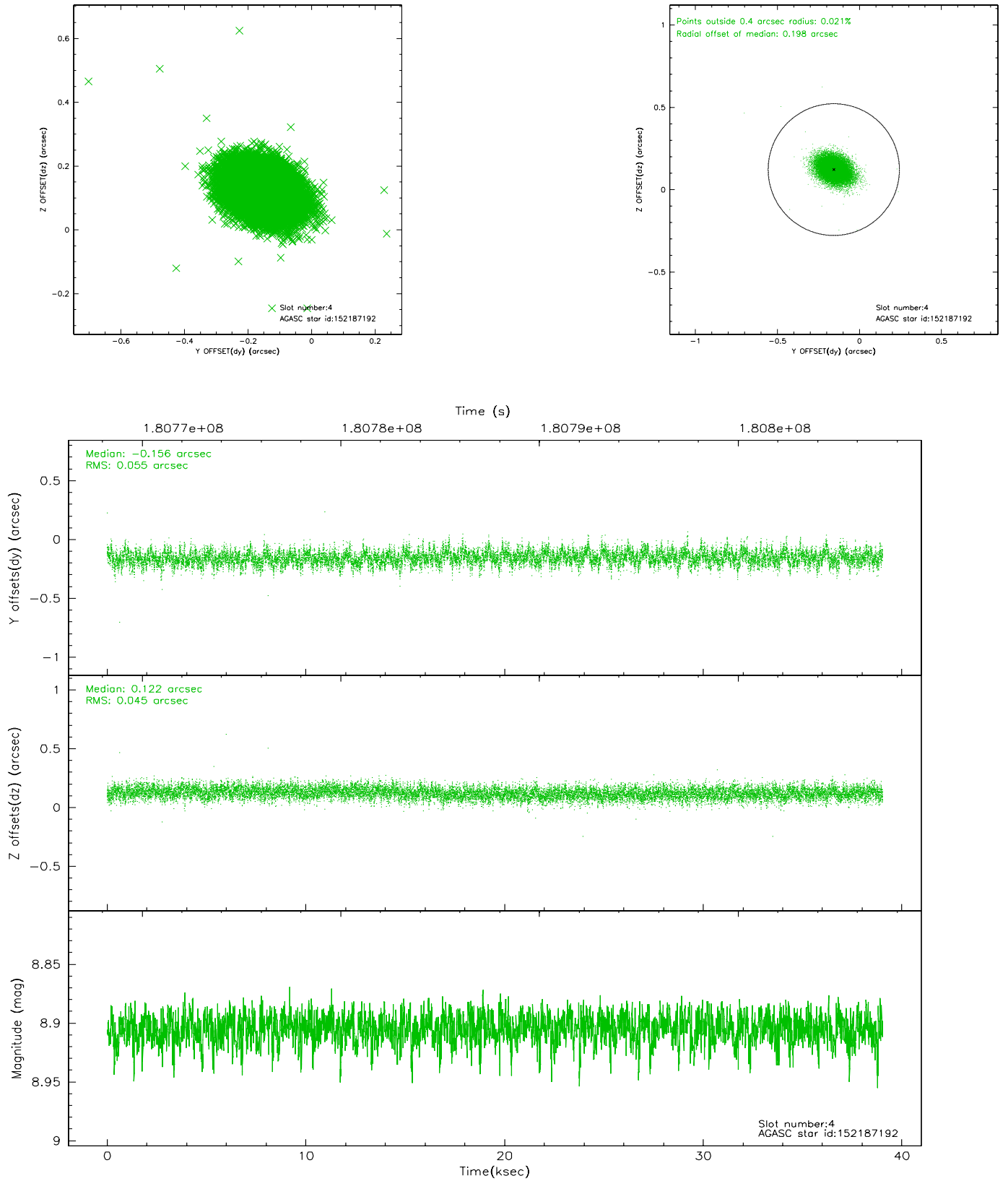
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9519	-0.029	-0.029	0.012	0.019	0.000000	0.000000	-758.32	-1729.64
1	FID	ACIS-S-4	7.20	9518	0.047	0.021	0.020	0.030	0.000000	0.000000	2155.04	178.83
2	FID	ACIS-S-5	7.22	9519	-0.047	0.015	0.018	0.029	0.000000	0.000000	-1811.13	172.57
3	GUIDE	152180360	8.62	19036	0.172	-0.069	0.081	0.140	349.110181	8.037159	2322.05	-2322.41
4	GUIDE	152187192	8.90	19033	-0.156	0.122	0.074	0.124	349.378103	8.213055	1248.16	-1922.32
5	GUIDE	152310496	8.99	19035	-0.013	0.033	0.085	0.137	350.630549	8.225229	-1417.79	1656.54
6	GUIDE	152315576	9.61	19027	-0.011	0.099	0.087	0.143	349.949542	9.018547	-2293.46	-1985.51
7	GUIDE	152320064	9.31	19027	0.009	-0.185	0.101	0.164	350.730376	8.067746	-1171.13	2278.89

2.4 Star Slots

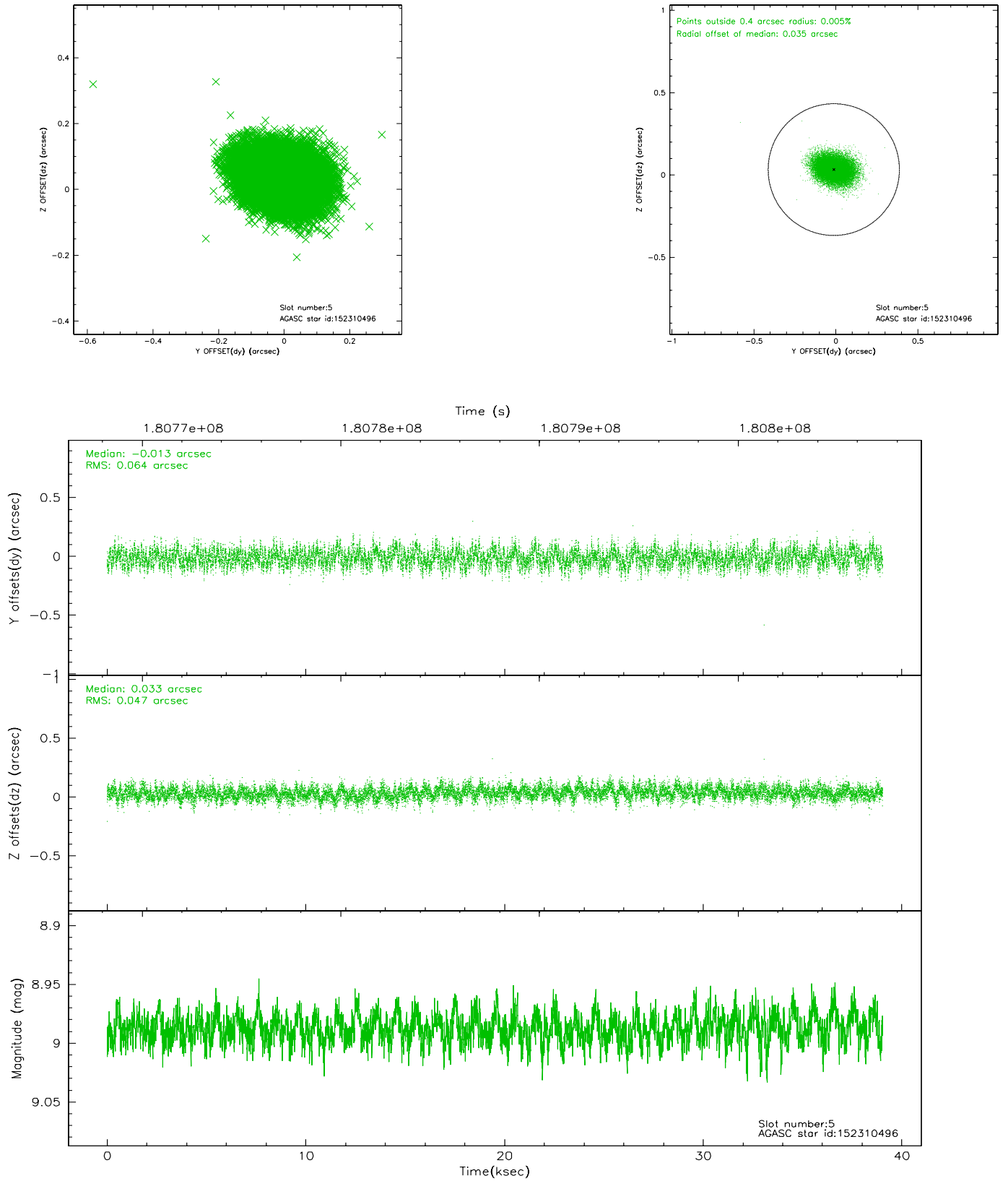
2.4.1 Slot 3



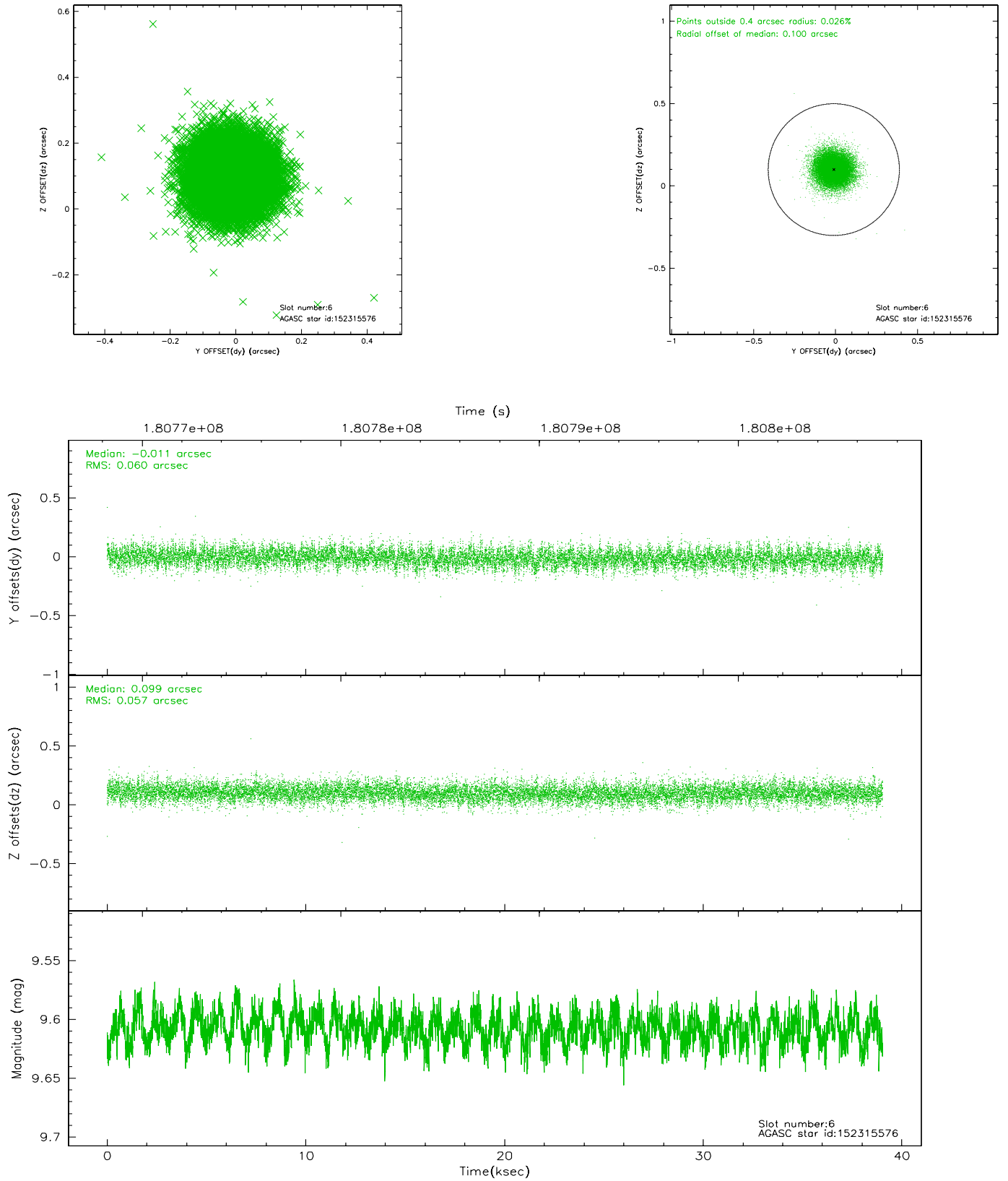
2.4.2 Slot 4



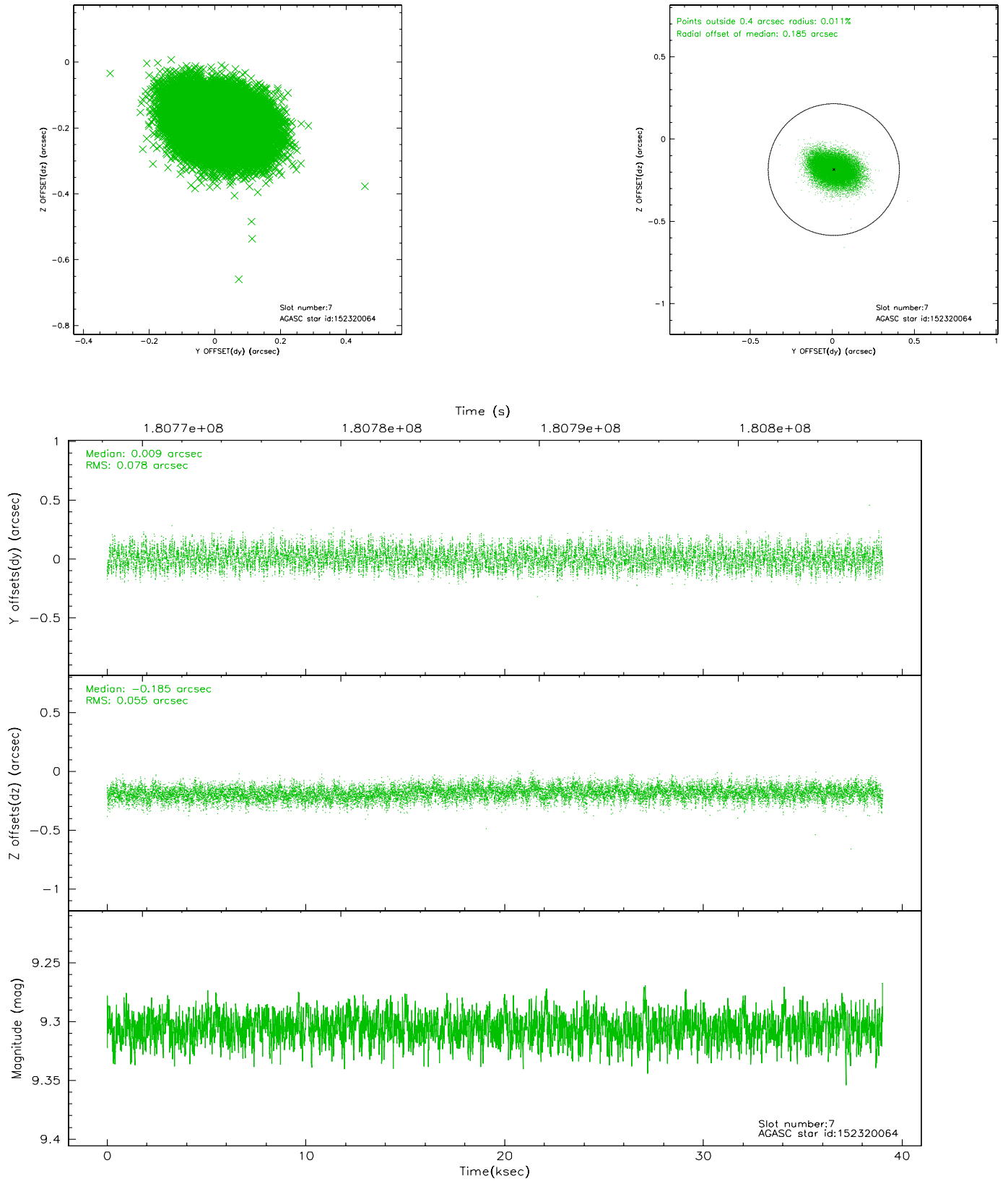
2.4.3 Slot 5



2.4.4 Slot 6

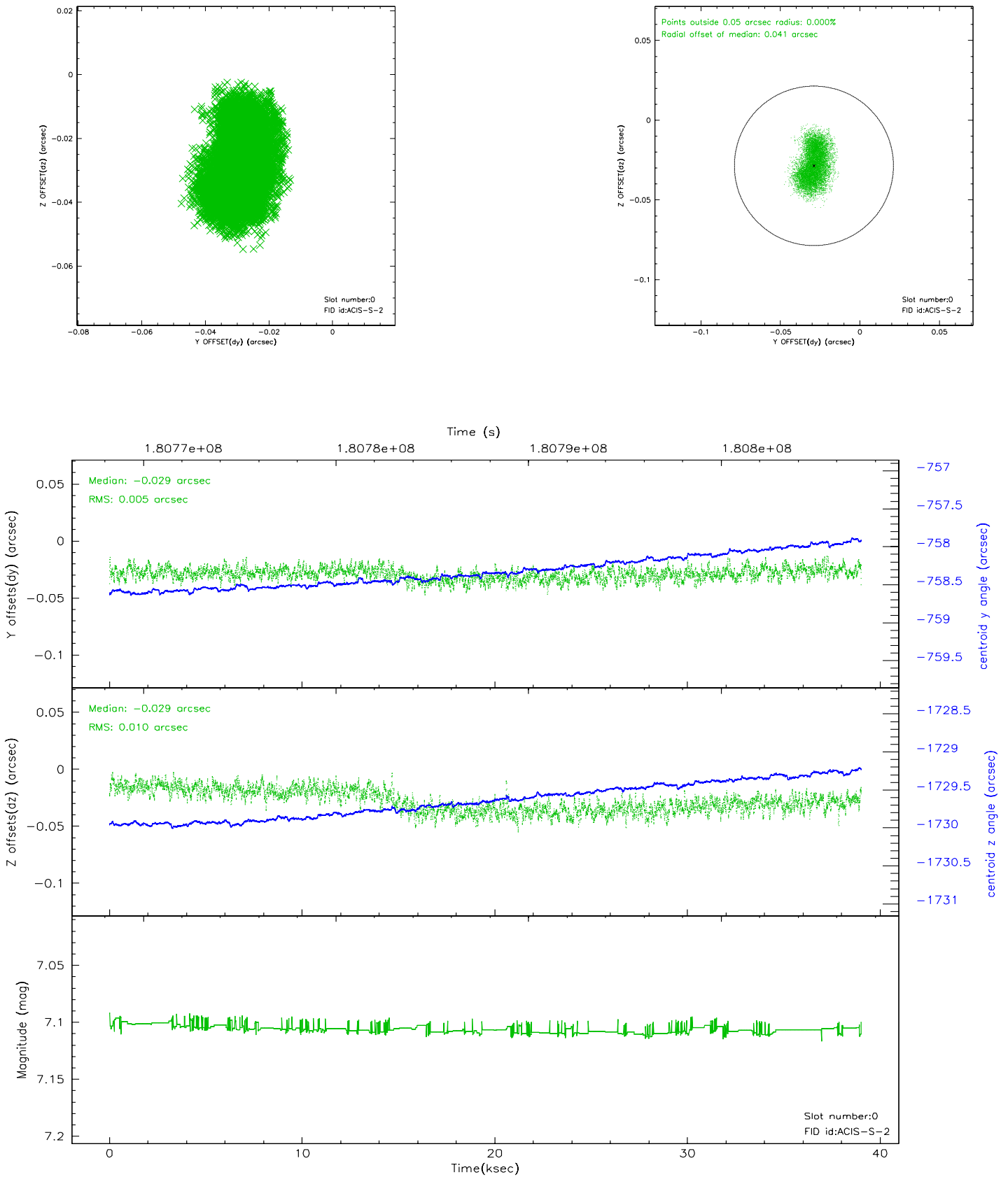


2.4.5 Slot 7

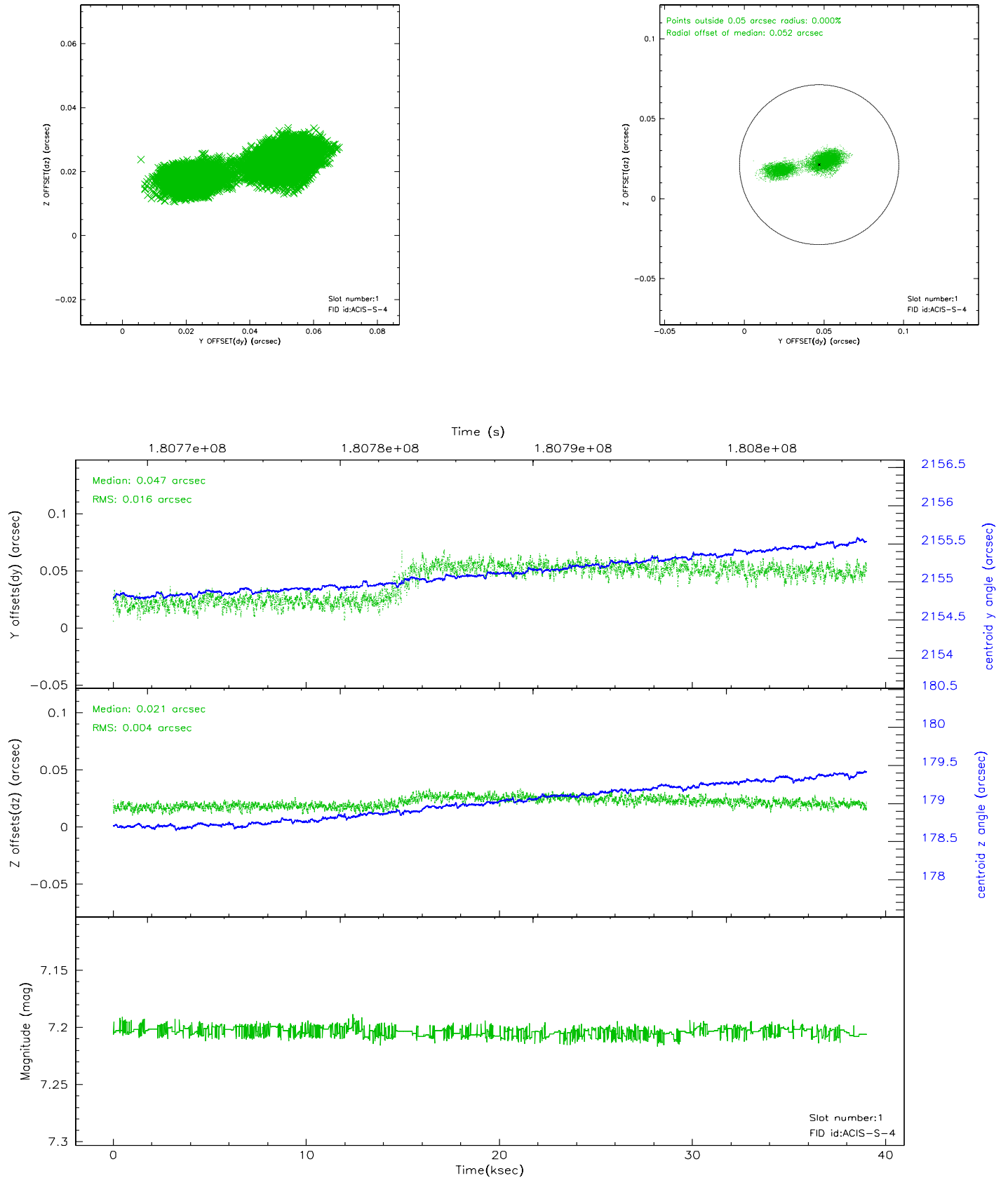


2.5 FID Slots

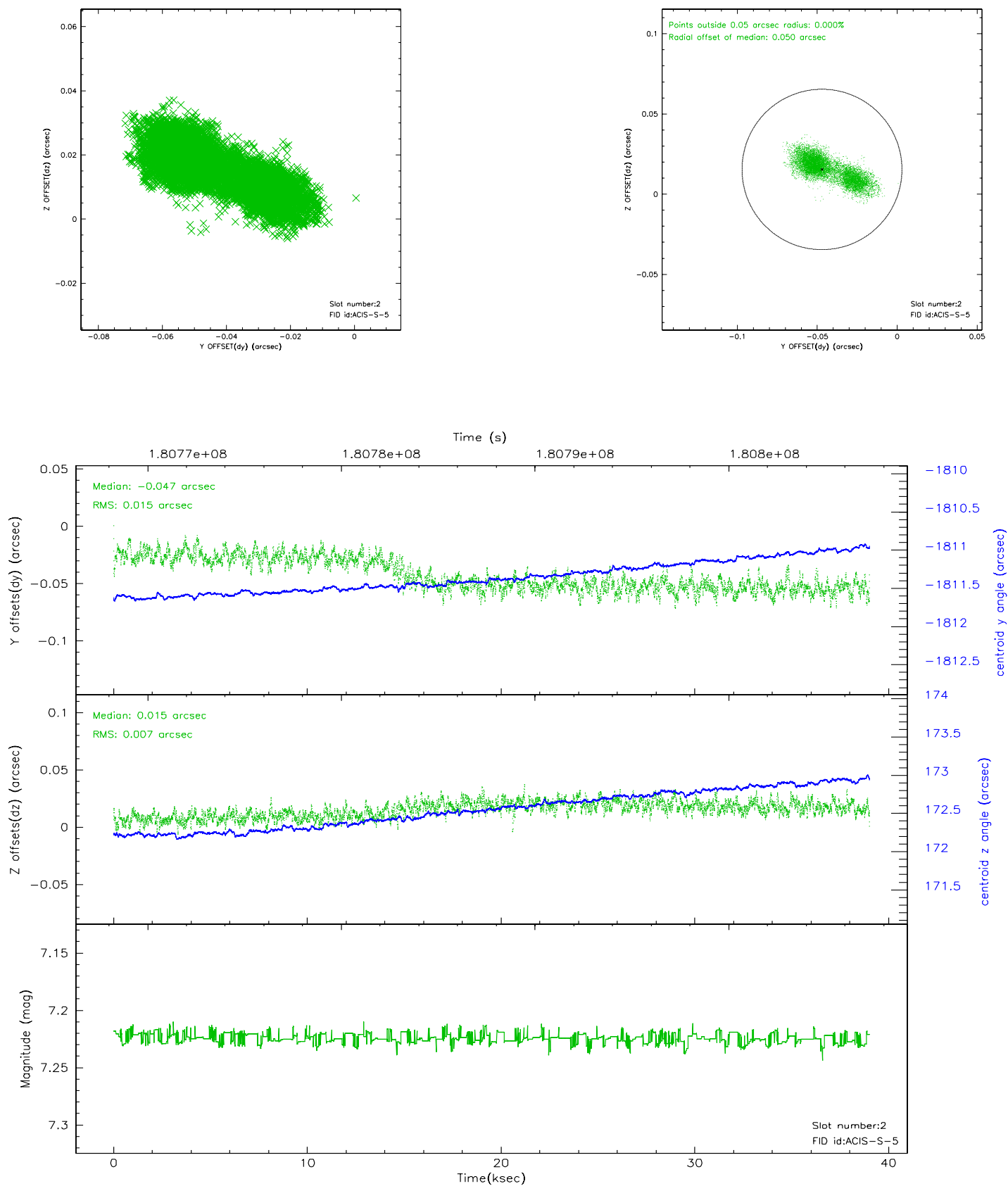
2.5.1 Slot 0



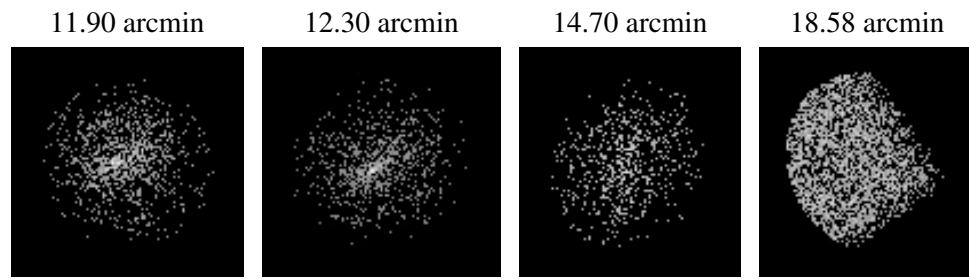
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.955

A.2 Comments

Roll constraint satisfied.