

V&V Reference Report

L2 ASCDS Version : 7.6.11

Observation 398 - L2 Version 3
Chandra X-Ray Center

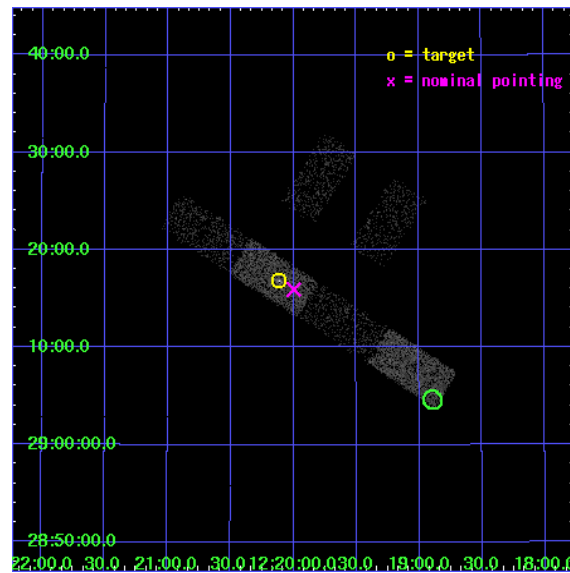
L2 Processing Date : Aug 27 2007

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1 Front

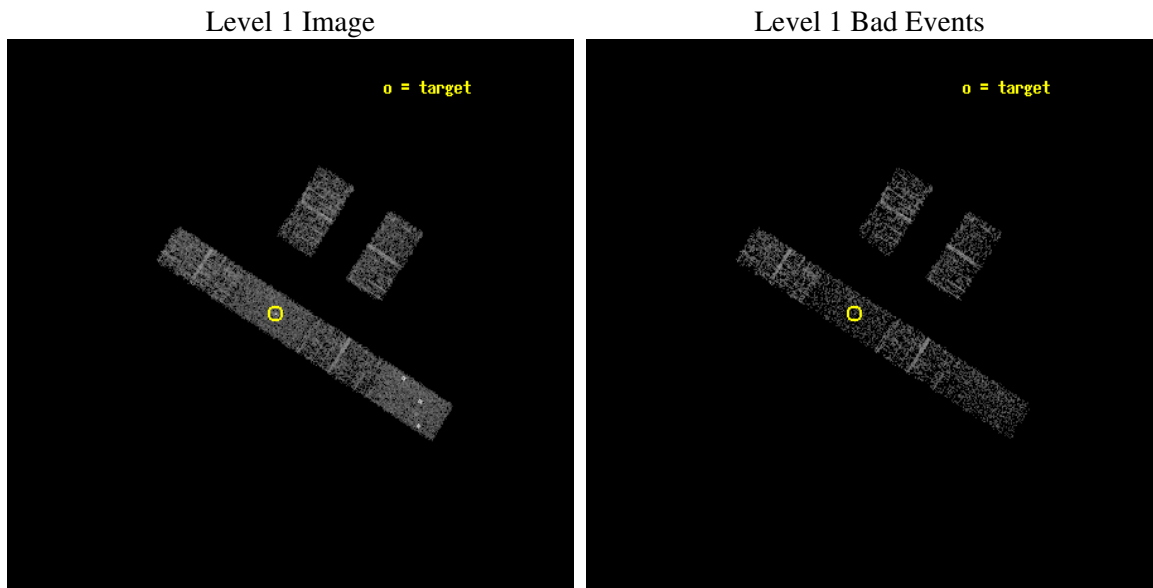
seq_num	700070
obs_id	398
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES
observer	Prof. Gordon Garmire
object	NGC 4278
dtcycle	0
cycle	P
ra_targ	185.028333
dec_targ	29.280556
ra_nom	184.99897918118
dec_nom	29.26609238657
roll_nom	212.74332249283
revision	3
ontime	1544.235986948
livetime	1509.8122672546
ontime2	1546.0770070404
ontime3	1544.2359570265
ontime5	1546.0770269334
ontime6	1547.9180171043
ontime7	1544.235986948
ontime8	1549.7590072751
l2events	9019



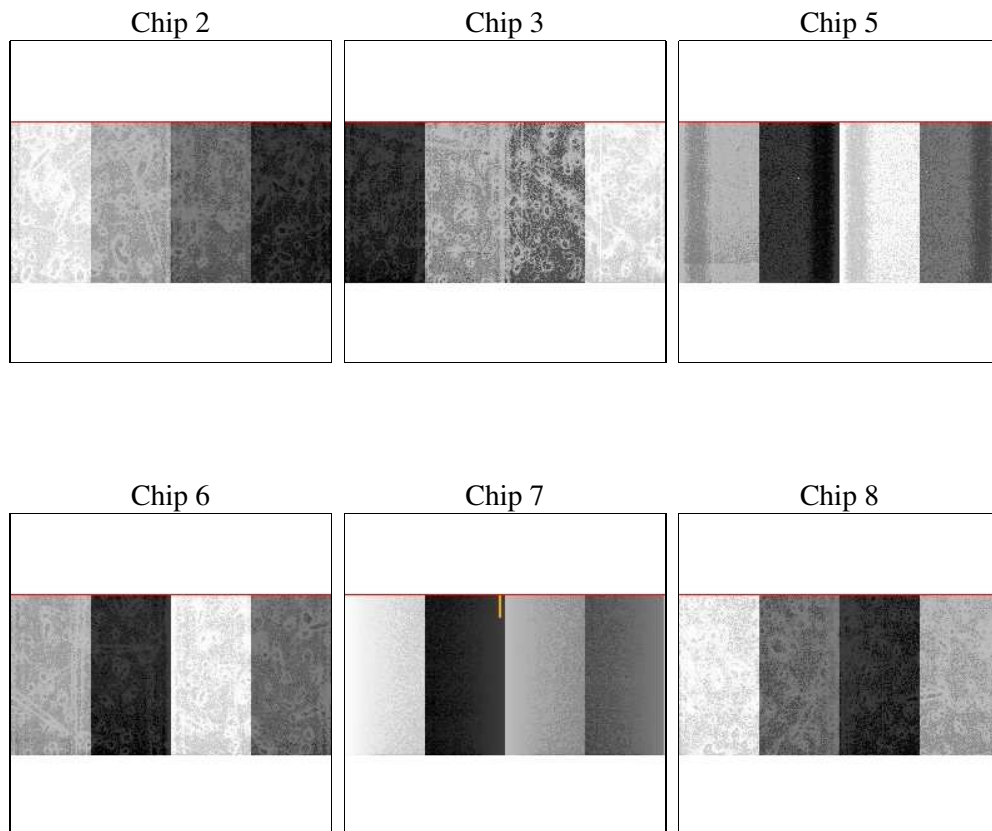
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldsver	3.4.0
date	2007-08-27T23:29:39
revision	3

sched_exp_time	2000.000000
ontime	1544.235986948
ontime2	1546.0770070404
ontime3	1544.2359570265
ontime5	1546.0770269334
ontime6	1547.9180171043
ontime7	1544.235986948
ontime8	1549.7590072751
l1events	43479

2.1.4 Events

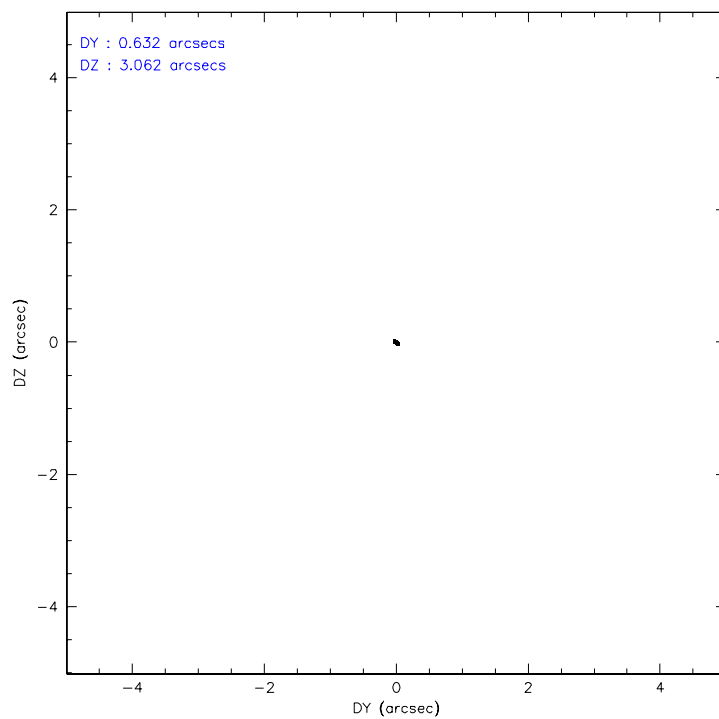
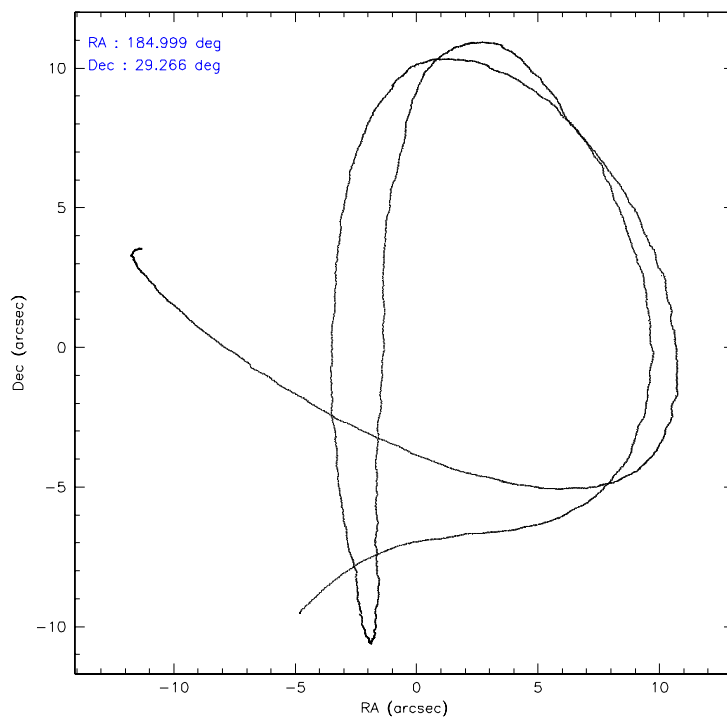
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6189	6518	8898	6300	7229	8345
rejected events	5587	5877	3885	5637	3693	6946
rejected %	90%	90%	43%	89%	51%	83%

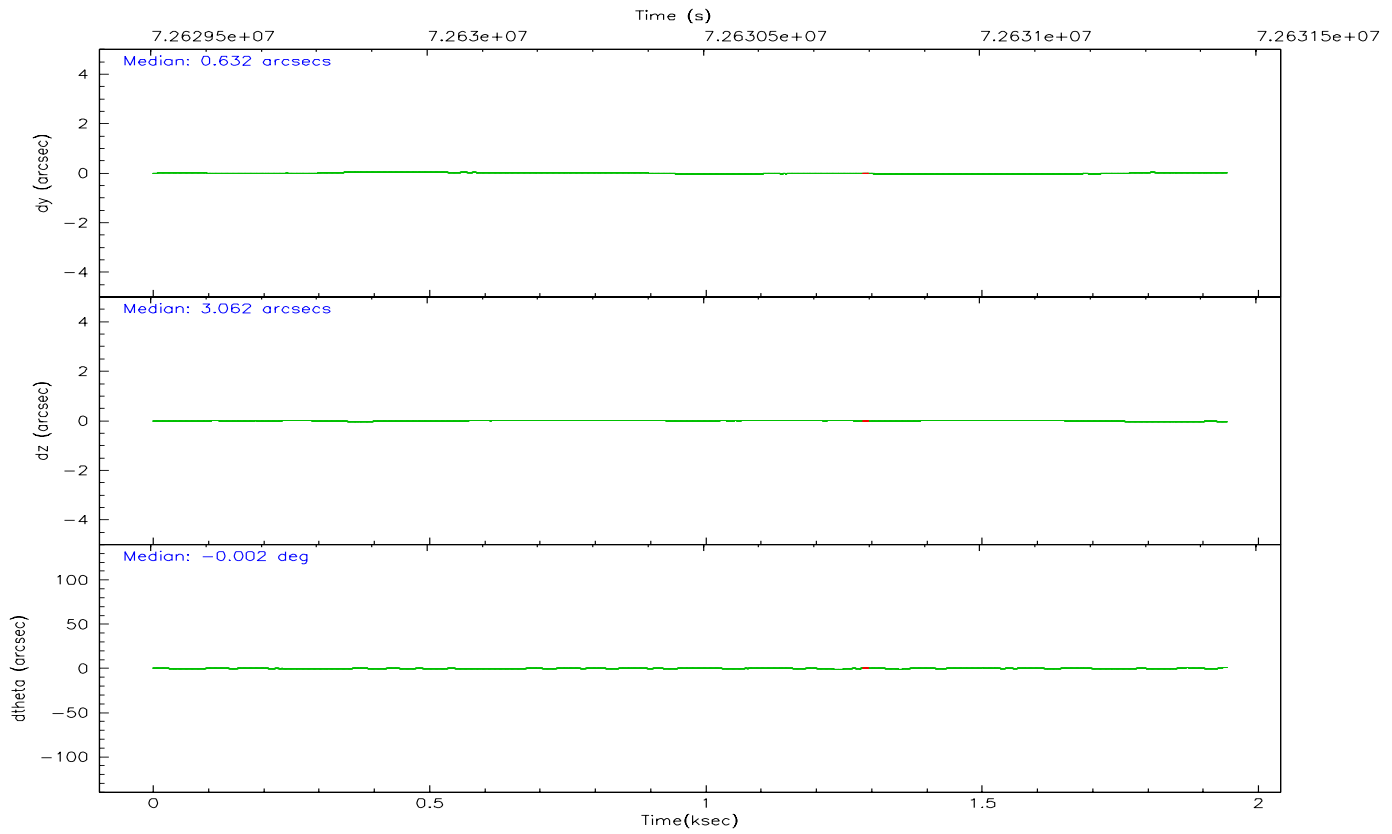
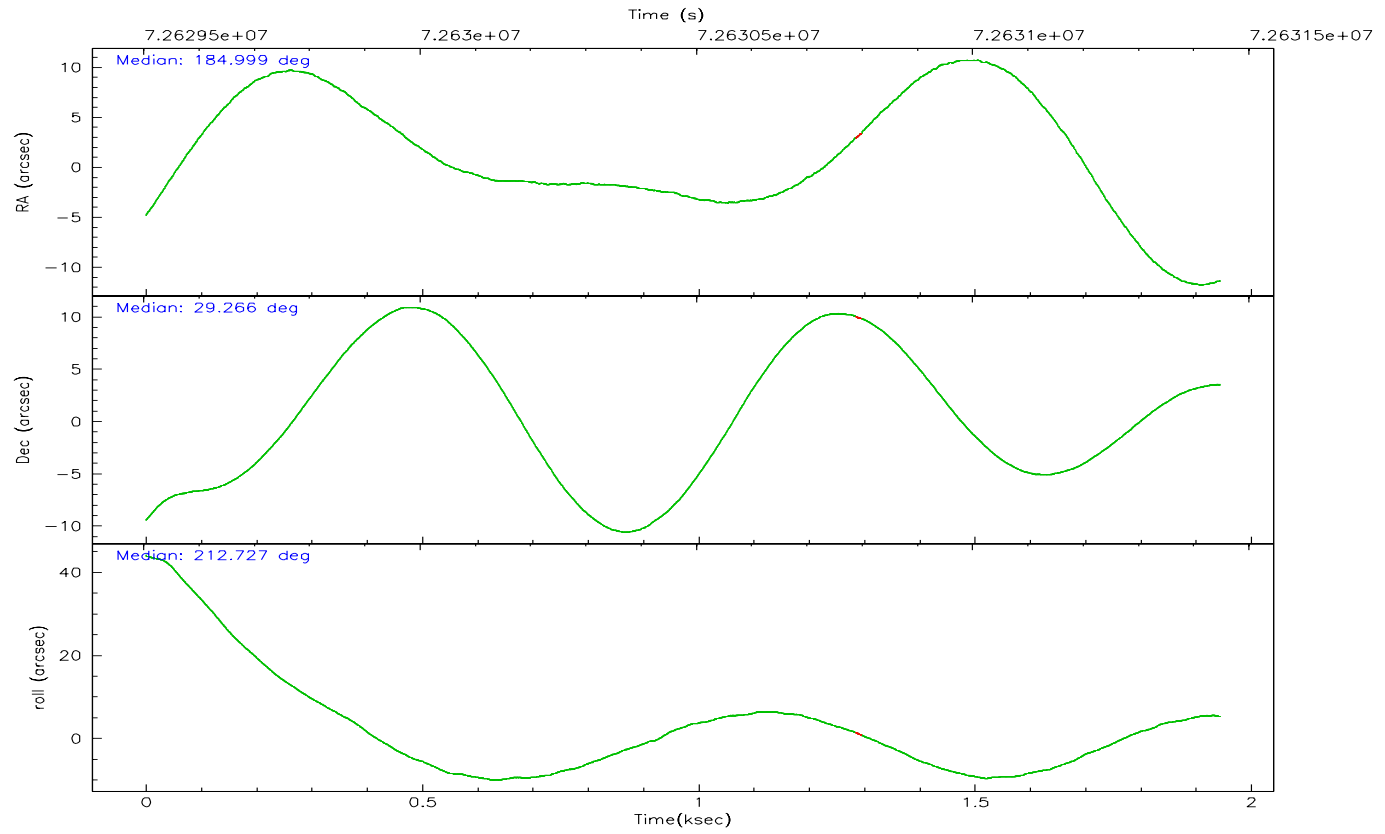
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	235	280	1725	275	525	485
	3%	4%	19%	4%	7%	5%
grade 1 events	1	1	21	1	7	3
	0%	0%	0%	0%	0%	0%
grade 2 events	122	115	1200	110	762	286
	1%	1%	13%	1%	10%	3%
grade 3 events	85	76	227	80	351	148
	1%	1%	2%	1%	4%	1%
grade 4 events	80	79	189	86	383	149
	1%	1%	2%	1%	5%	1%
grade 5 events	196	181	637	228	626	288
	3%	2%	7%	3%	8%	3%
grade 6 events	84	95	1699	115	1523	336
	1%	1%	19%	1%	21%	4%
grade 7 events	5386	5691	3200	5405	3052	6650
	87%	87%	35%	85%	42%	79%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	185.013188	184.9989791811835	Subarray requested	CUSTOM	1/2
Pointing Dec	29.290713	29.26609238657029	Subarray start row	255	255
Pointing Roll	212.579677	212.7433224928251	Subarray row count	512	512
Window start time	63072064.184000	63072064.184000	Alternating exposures requested	N	N
Window stop time	84153664.184000	84153664.184000	Primary exposure time	0.000000	1.8
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	72629448.184000	72629013.237918			
Observation start date	2000-04-20T14:49:44	2000-04-20T14:43:33			
Observation end time	72631448.184000	72631890.41302399			
Observation end date	2000-04-20T15:23:04	2000-04-20T15:31:30			
Read mode	TIMED	TIMED			

2.3 Aspect



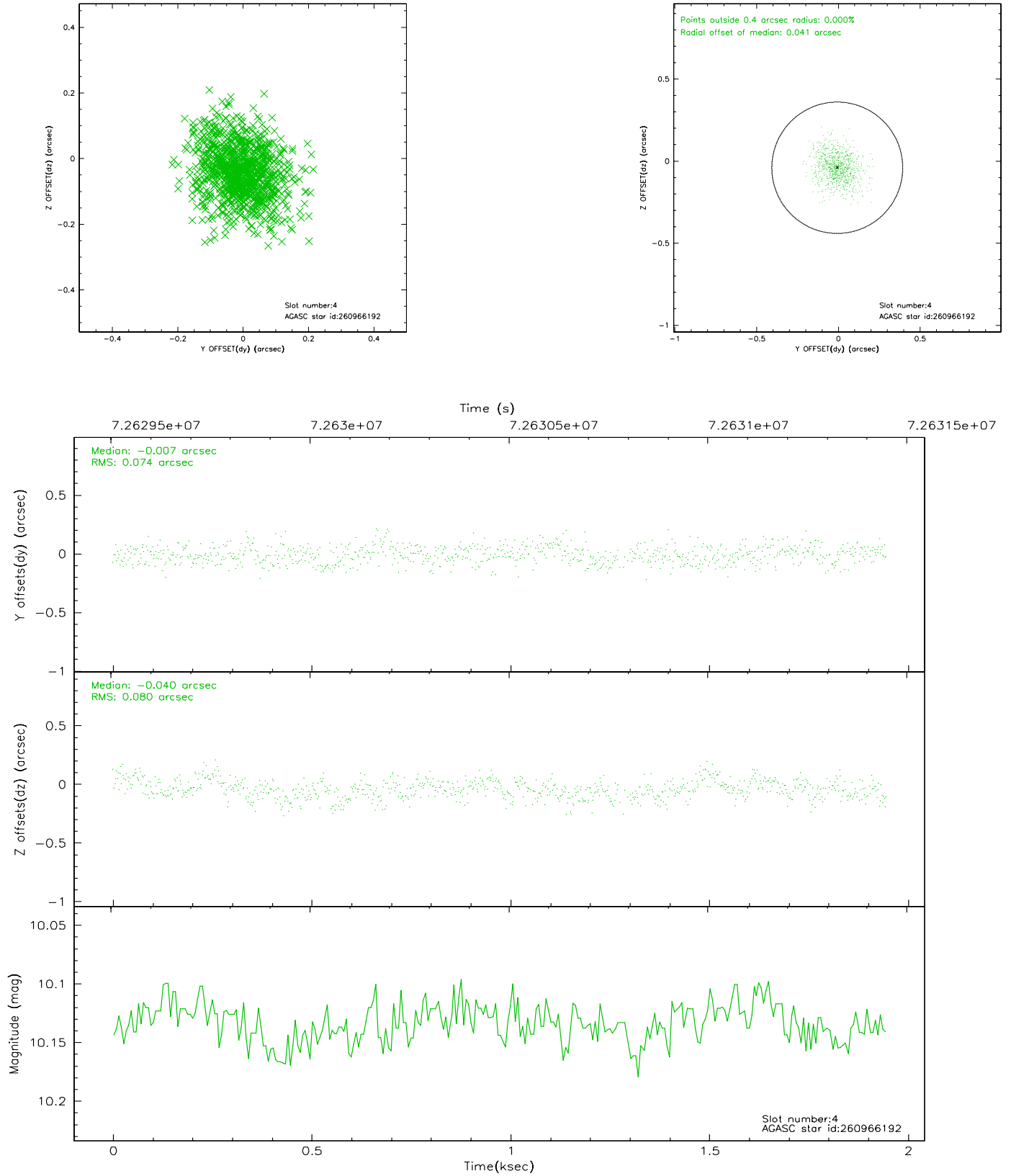


Slot Statistics

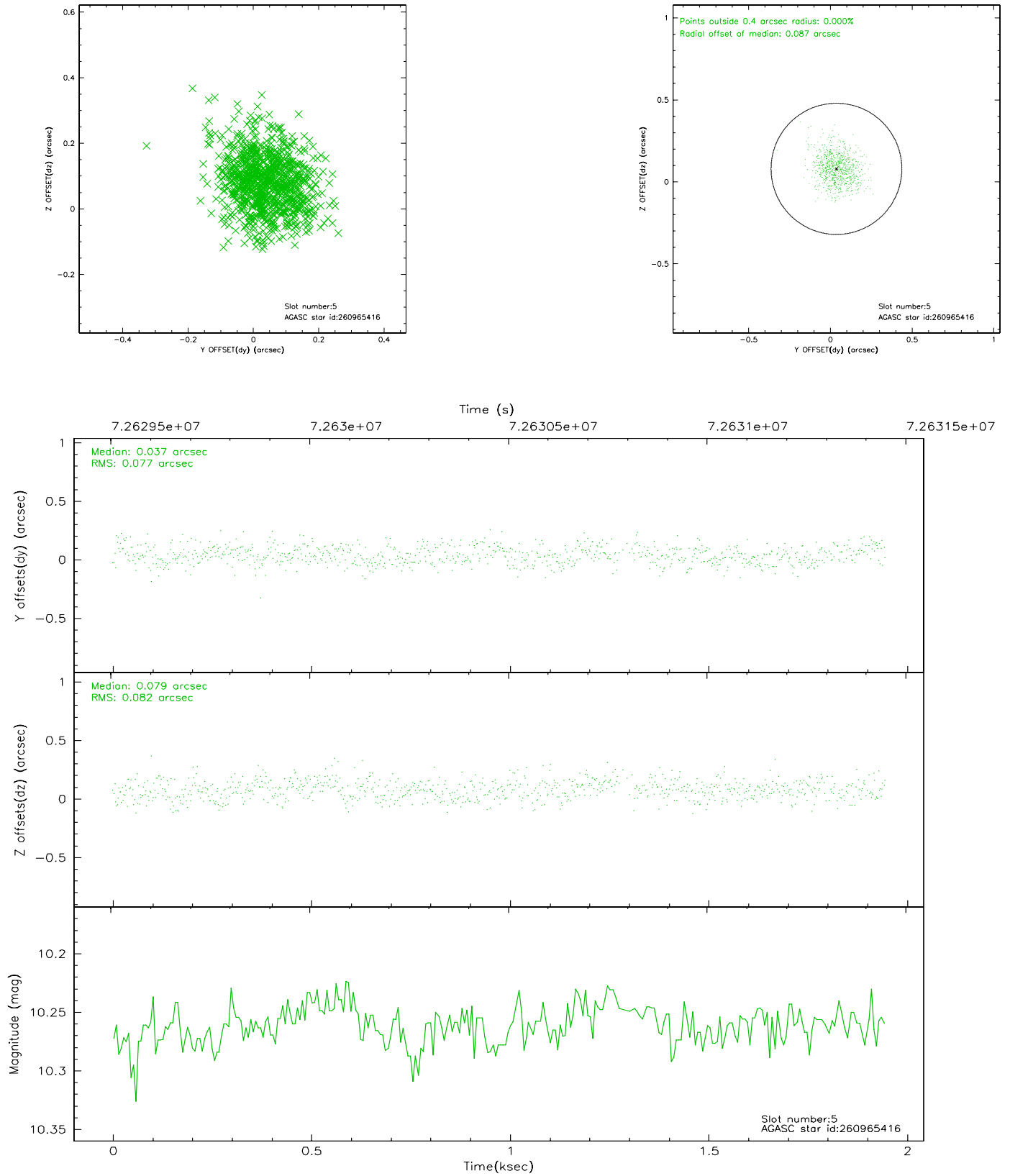
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	459	0.010	0.023	0.006	0.011	0.000000	0.000000	-753.25	-1724.02
1	FID	ACIS-S-4	7.21	432	-0.036	-0.011	0.005	0.008	0.000000	0.000000	2158.36	180.52
2	FID	ACIS-S-5	6.99	443	-0.005	-0.003	0.005	0.009	0.000000	0.000000	-1801.38	178.53
3	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	260966192	10.13	921	-0.007	-0.040	0.116	0.195	184.520973	29.027073	1816.70	-38.22
5	GUIDE	260965416	10.26	897	0.037	0.079	0.116	0.195	184.798422	29.200373	747.43	-91.09
6	GUIDE	260973208	7.02	915	-0.034	-0.036	0.068	0.111	184.960936	28.464352	1743.25	2416.70
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

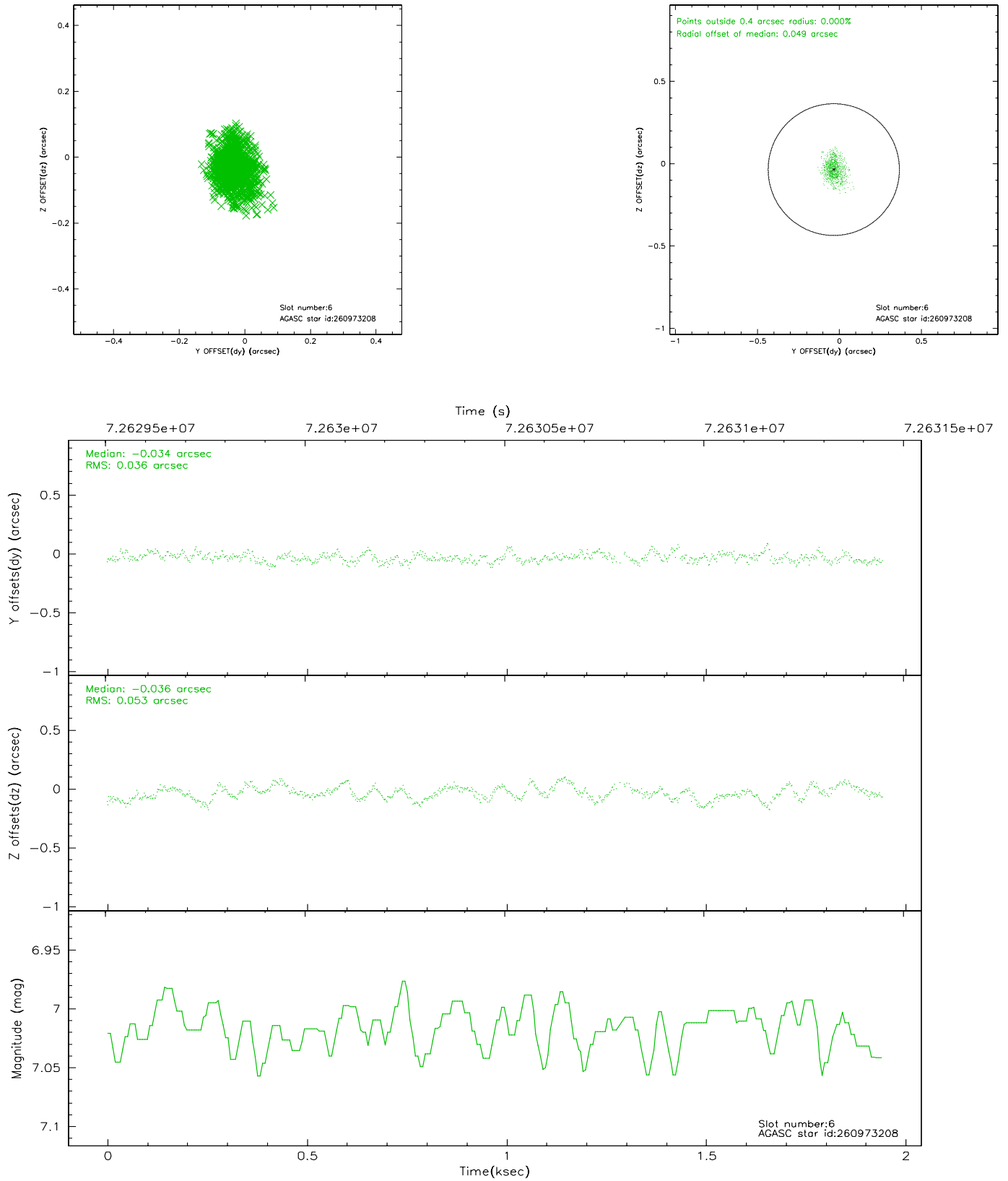
2.4.1 Slot 4



2.4.2 Slot 5

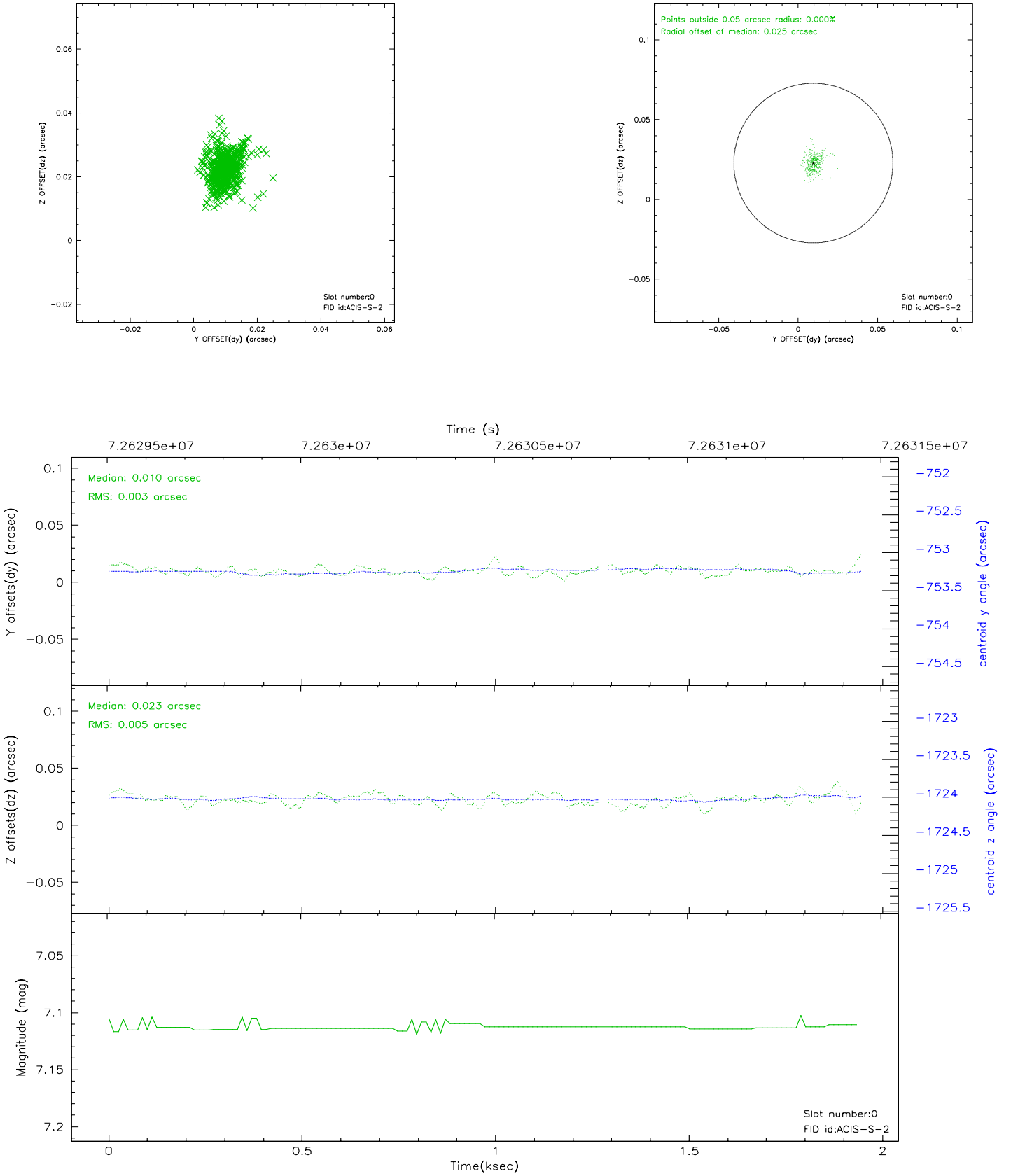


2.4.3 Slot 6

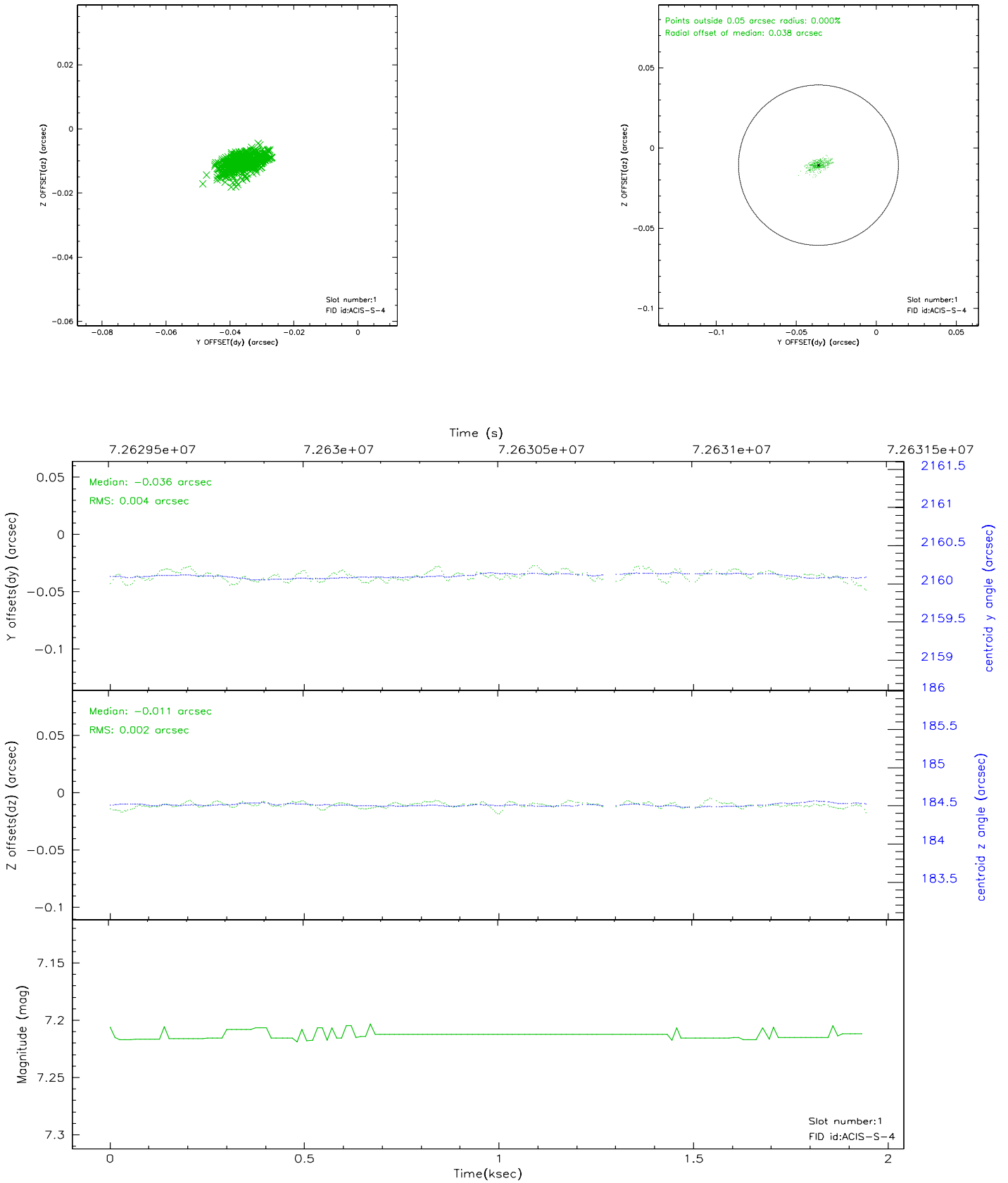


2.5 FID Slots

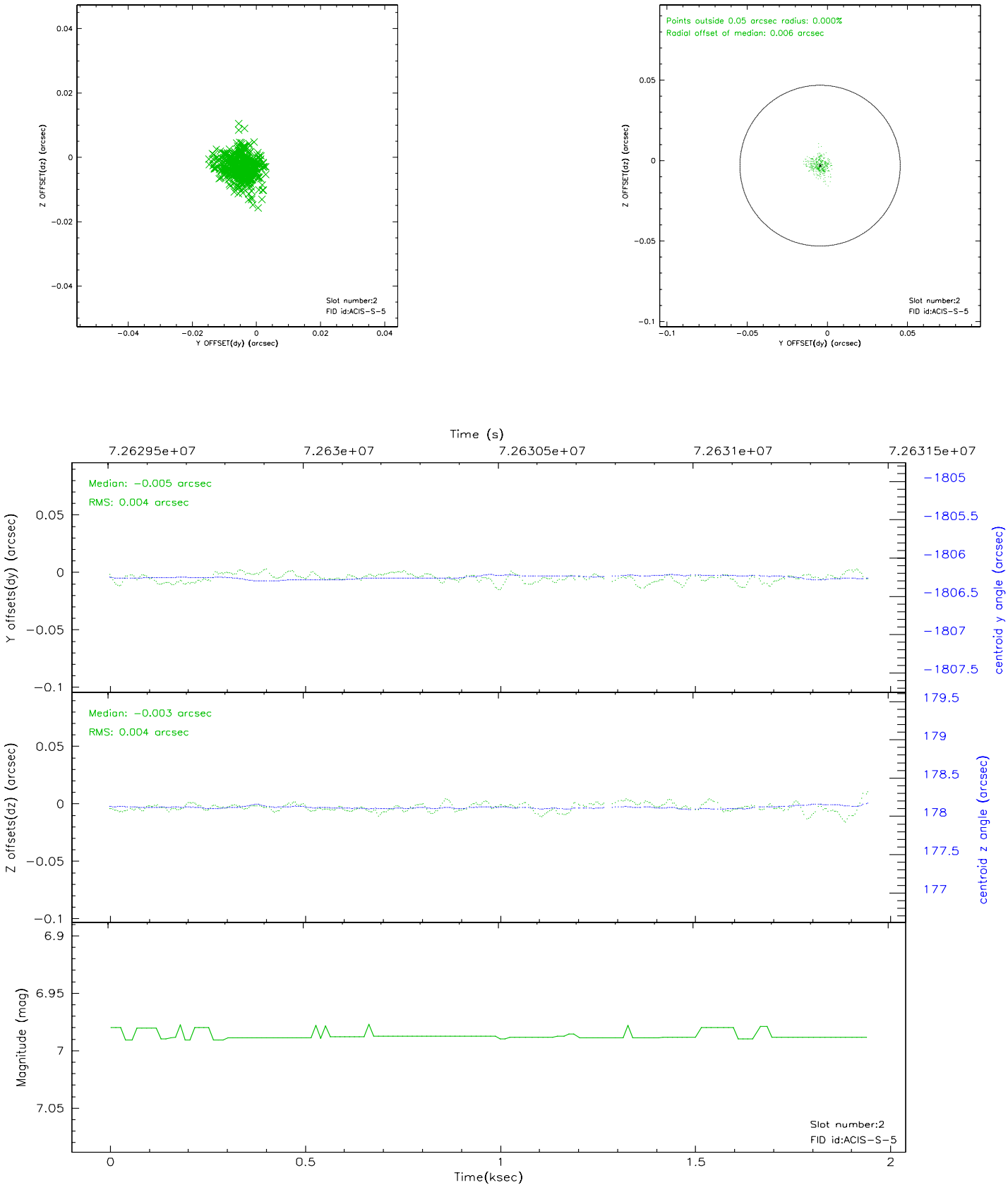
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

18.41 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.427

A.2 Comments

Charge time for this ObsId remains at original value of 1.427 ks, although with the current processing the charge time would have been 1.54 ksec.

Window constraint met.