

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2019 - L2 Version 001
Chandra X-Ray Center

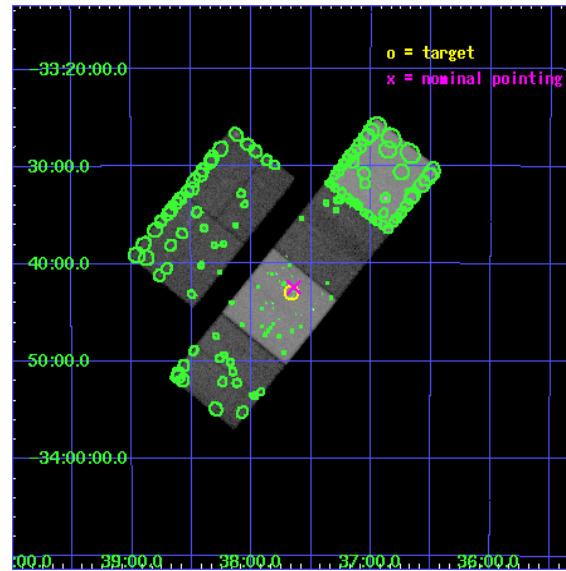
L2 Processing Date : Nov 24 2006

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1 Front

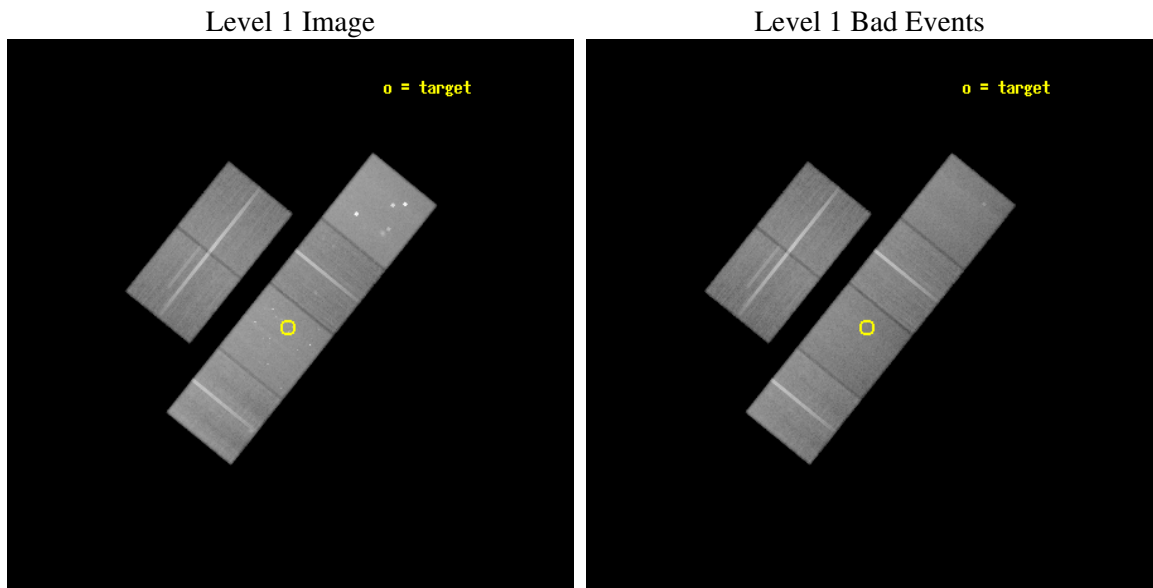
seq_num	600153
obs_id	2019
title	THE CARTWHEEL'S RING
observer	Dr. Anna Wolter
object	CARTWHEEL
dtcycle	0
cycle	P
ra_targ	9.416667
dec_targ	-33.716111
ra_nom	9.4110488563644
dec_nom	-33.707525642709
roll_nom	128.84977521365
revision	3
ontime	77126.359051749
livetime	76149.738653518
ontime2	77123.118091494
ontime3	77119.877131268
ontime5	77123.118091494
ontime6	77119.877131253
ontime7	77126.359051749
ontime8	77119.877211019
l2events	717735



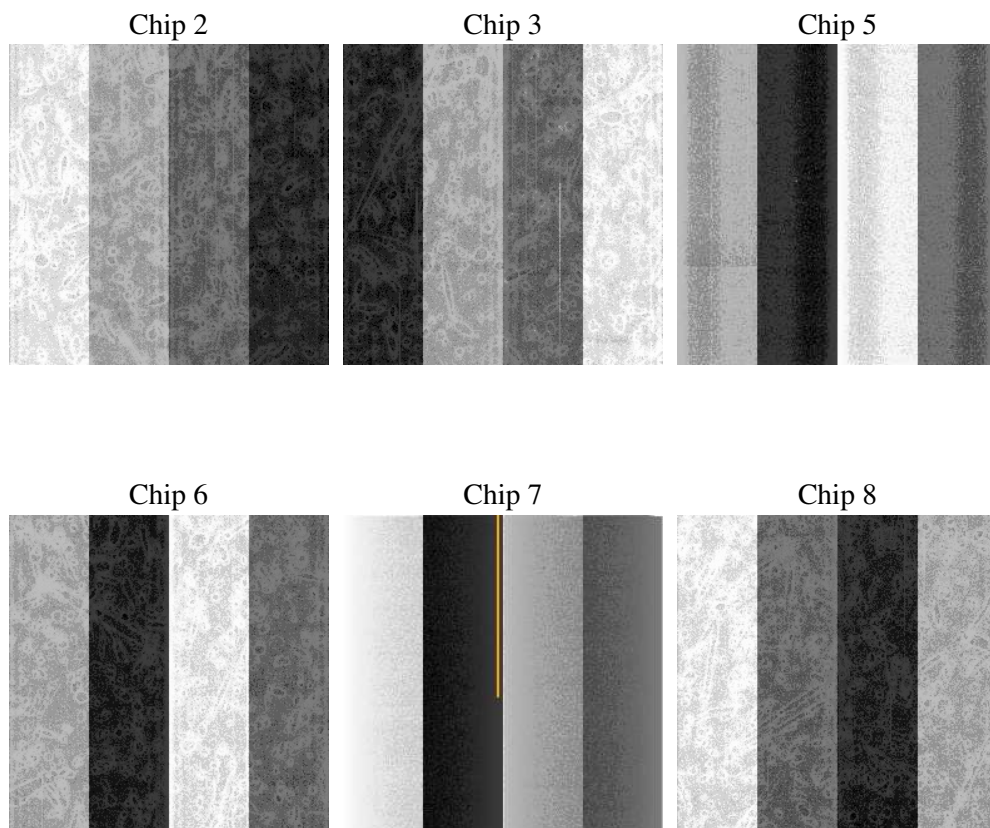
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-24T16:18:00
revision	3

sched_exp_time	77000.000000
ontime	77576.520670965
ontime2	77495.497841686
ontime3	77498.735870466
ontime5	77573.27971071
ontime6	77495.497921437
ontime7	77576.520670965
ontime8	77501.976990223
l1events	3434918

2.1.4 Events

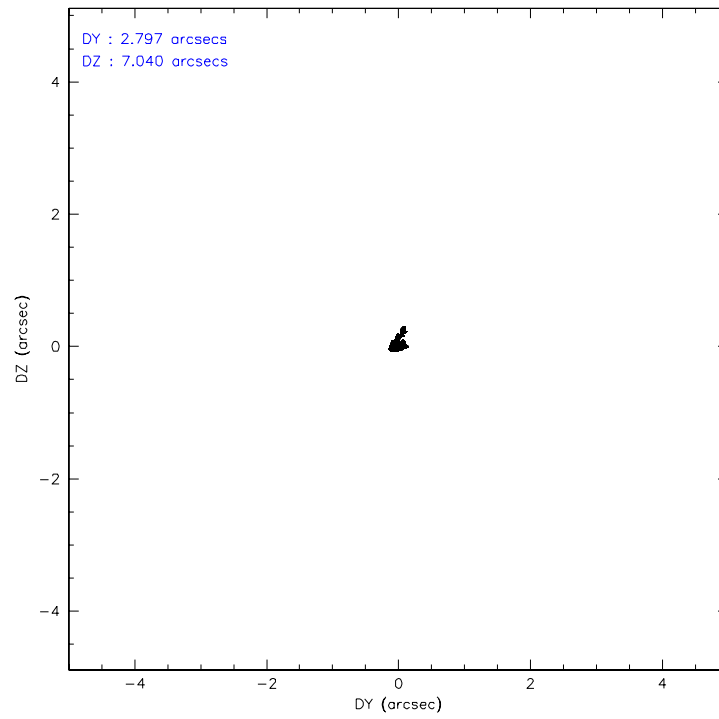
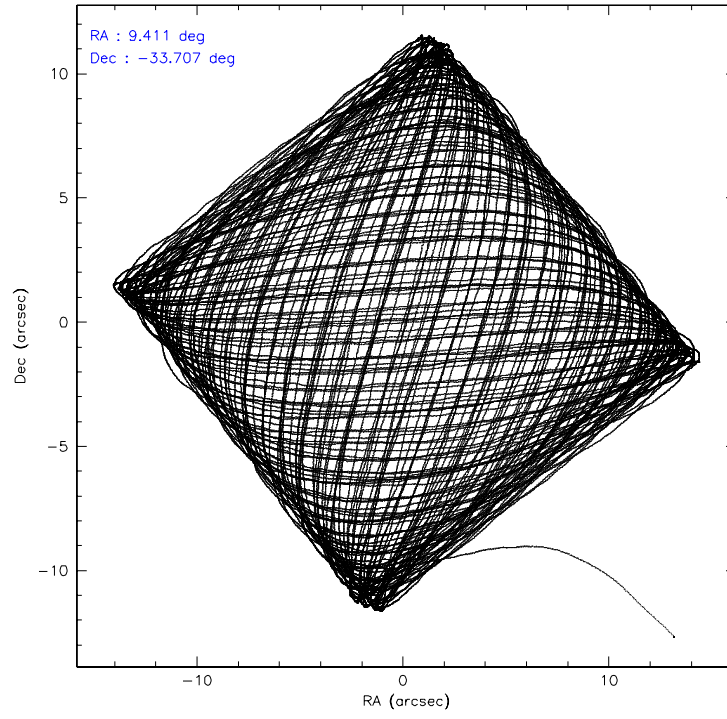
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	495905	480980	710495	498408	629114	620016
rejected events	441470	427560	383470	442869	385183	497017
rejected %	89%	88%	53%	88%	61%	80%

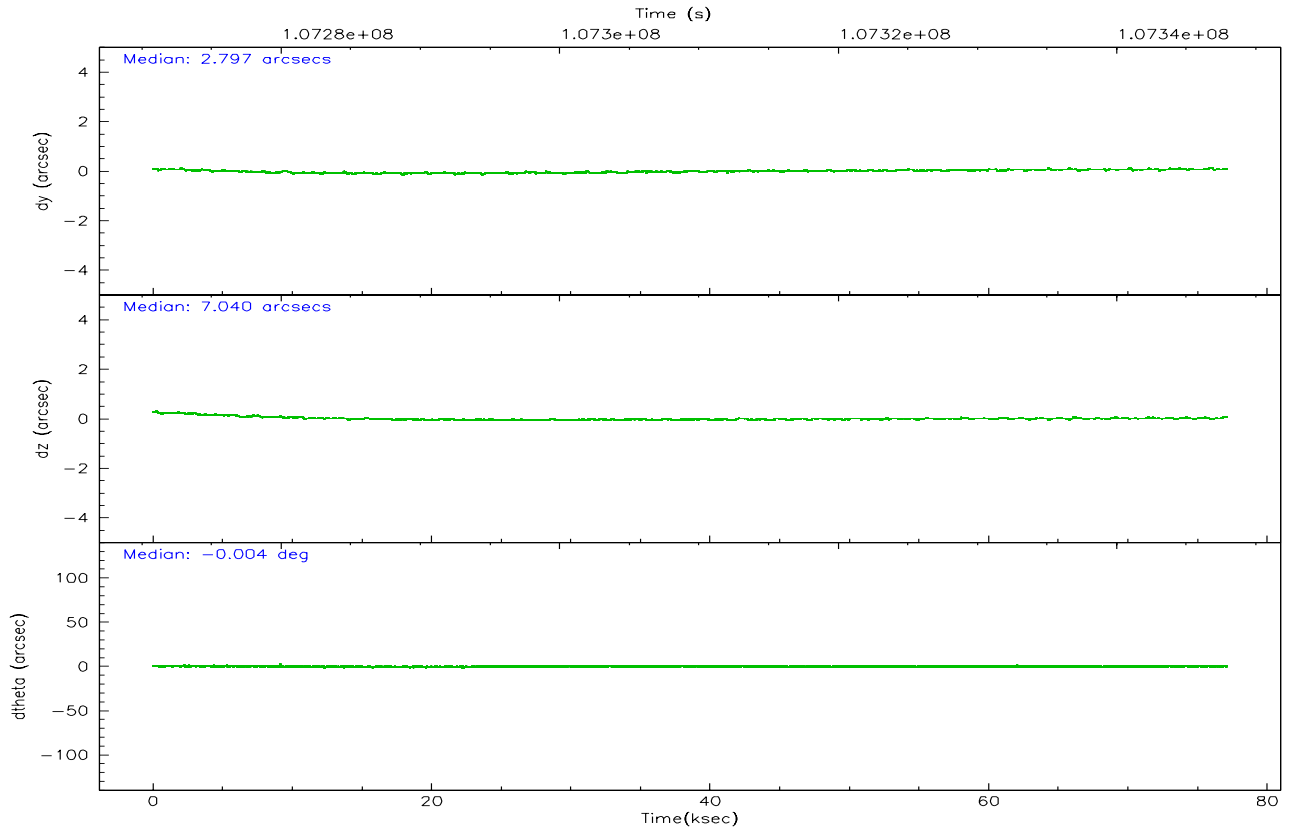
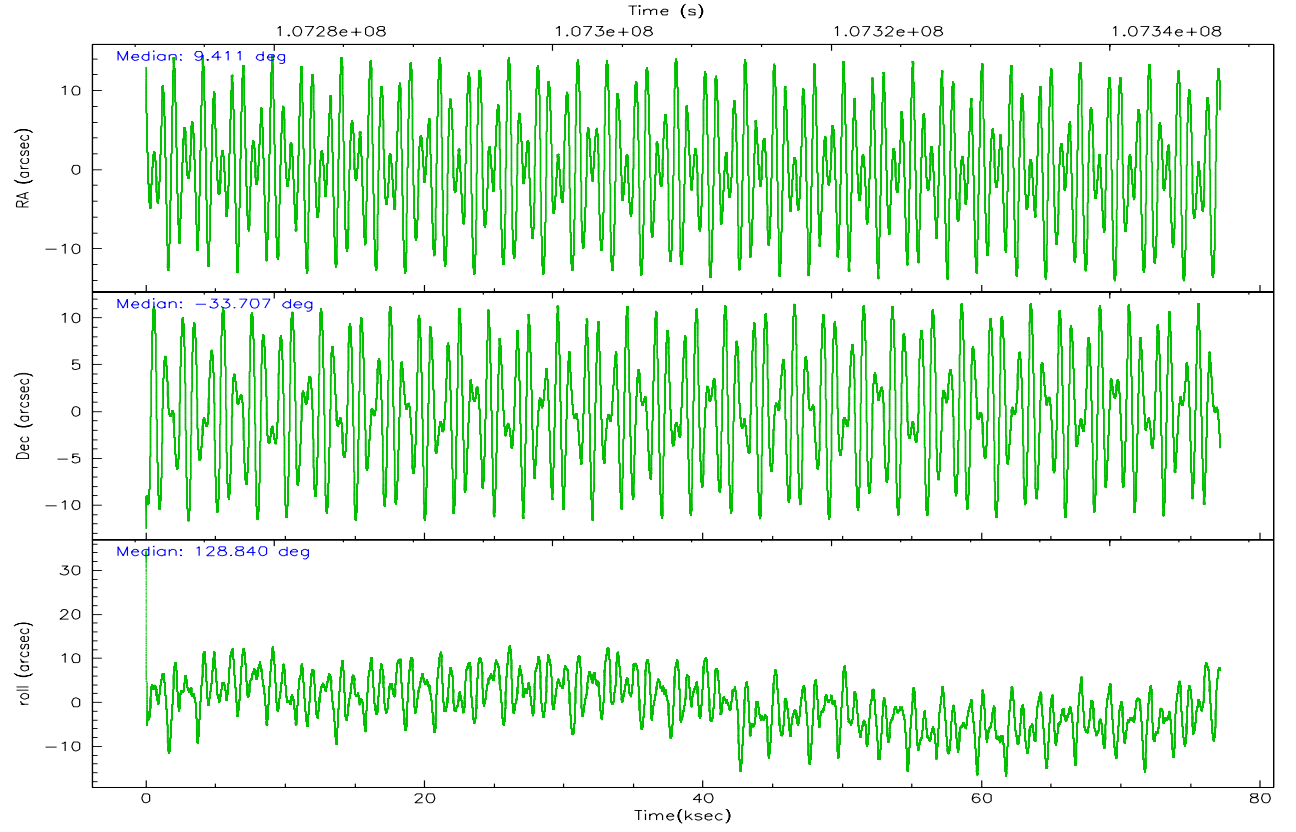
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	23173	22801	46760	22400	17407	39231
	4%	4%	6%	4%	2%	6%
grade 1 events	248	239	1122	206	349	364
	0%	0%	0%	0%	0%	0%
grade 2 events	11650	10704	97682	11198	60142	26770
	2%	2%	13%	2%	9%	4%
grade 3 events	5087	5288	7276	5624	13784	13327
	1%	1%	1%	1%	2%	2%
grade 4 events	5206	5166	7099	5553	13411	12216
	1%	1%	0%	1%	2%	1%
grade 5 events	17094	18345	34156	20618	42570	26669
	3%	3%	4%	4%	6%	4%
grade 6 events	9575	9716	170212	11036	140710	32131
	1%	2%	23%	2%	22%	5%
grade 7 events	423872	408721	346188	421773	340741	469308
	85%	84%	48%	84%	54%	75%

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	9.441768	9.41104885636441	Subarray requested	NONE	NONE
Pointing Dec	-33.717103	-33.70752564270895	Alternating exposures requested	N	N
Pointing Roll	128.710194	128.8497752136525	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	107270937.184000	107269663.93726			
Observation start date	2001-05-26T13:27:53	2001-05-26T13:07:43			
Observation end time	107347937.184000	107349455.06537			
Observation end date	2001-05-27T10:51:13	2001-05-27T11:17:35			
Read mode	TIMED	TIMED			

2.3 Aspect



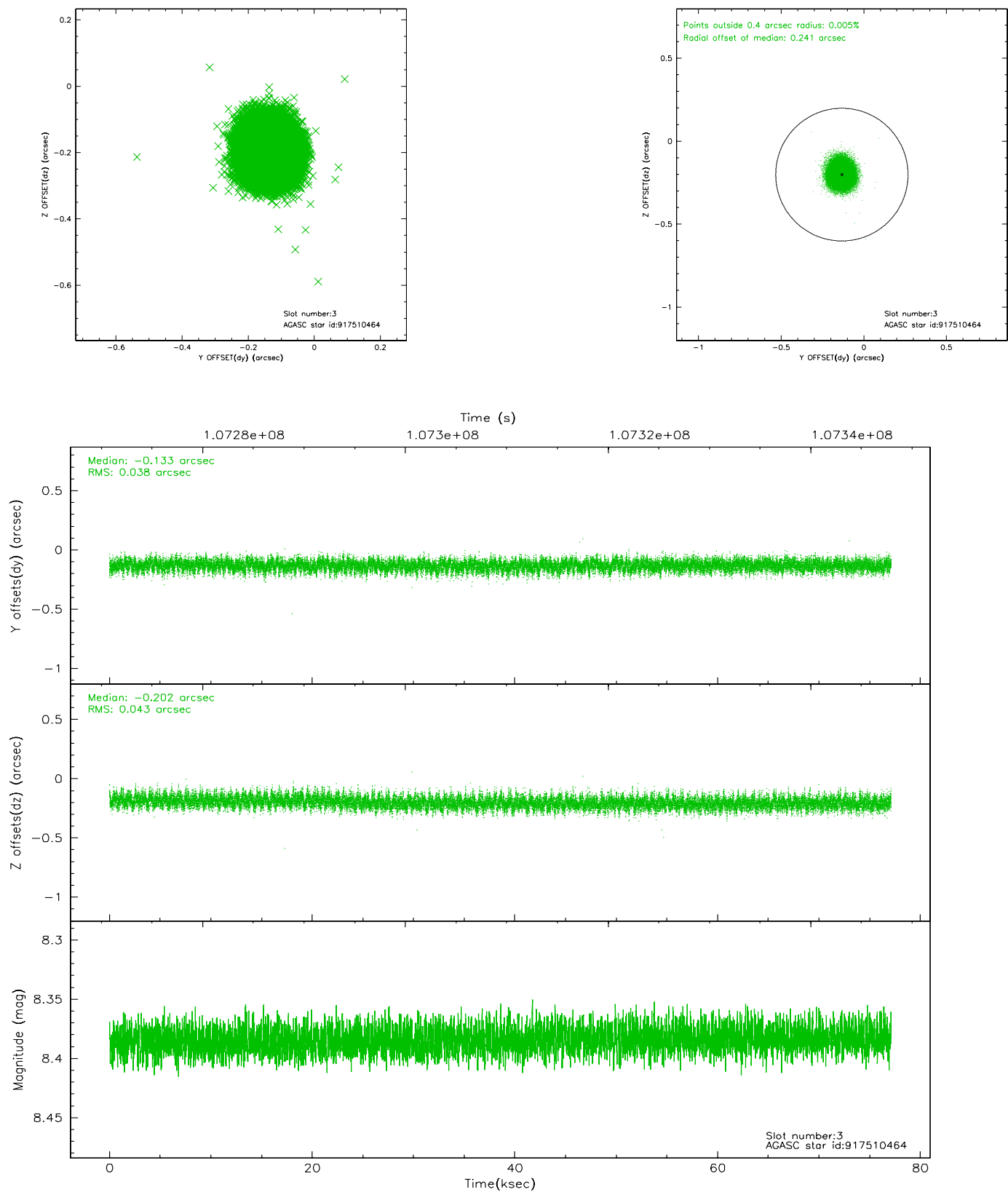


Slot Statistics

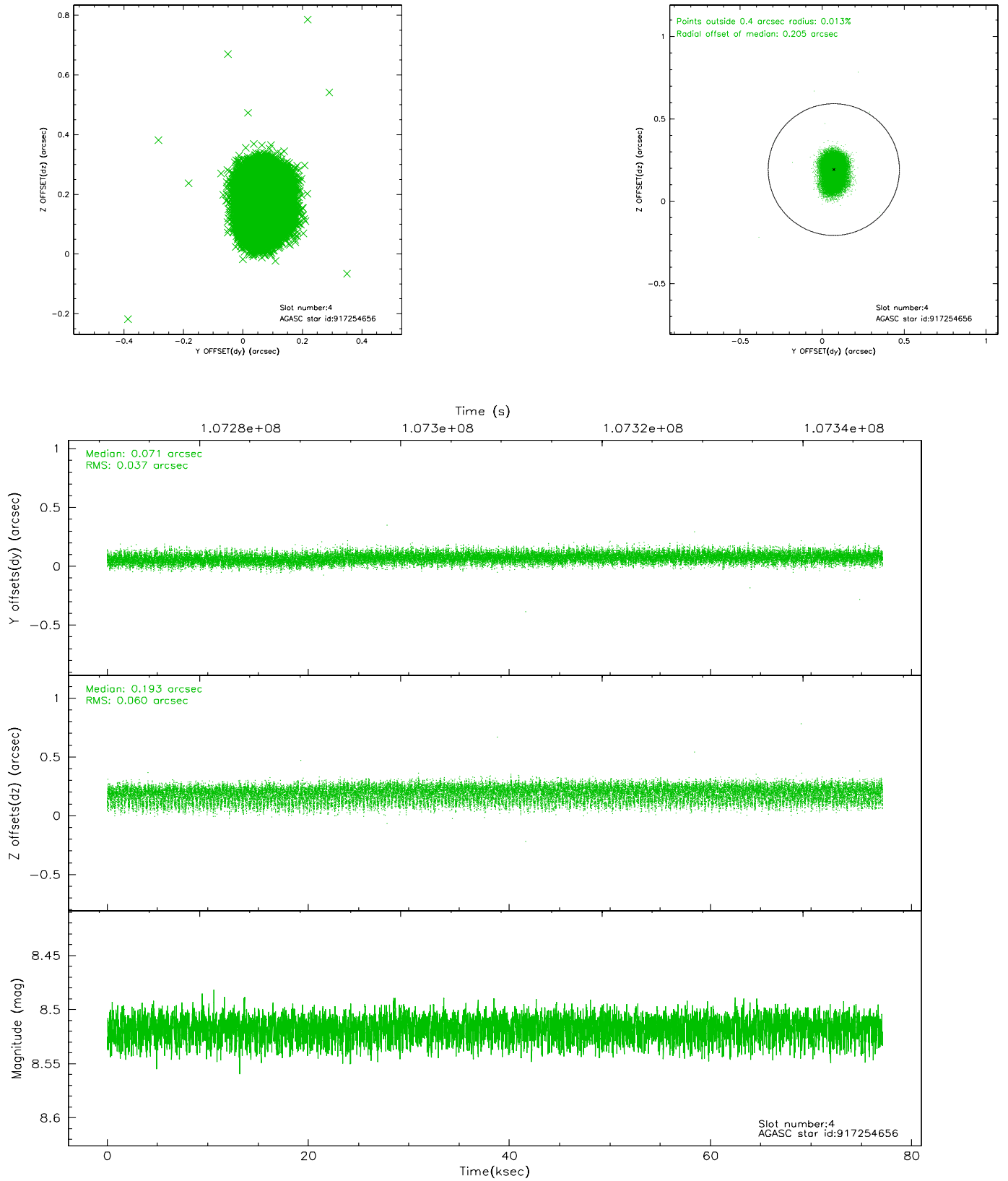
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	18811	0.007	0.032	0.011	0.020	0.000000	0.000000	-755.42	-1728.19
1	FID	ACIS-S-4	7.19	18809	-0.110	-0.012	0.012	0.030	0.000000	0.000000	2157.77	180.32
2	FID	ACIS-S-5	7.23	18809	0.070	-0.011	0.011	0.023	0.000000	0.000000	-1808.29	173.91
3	GUIDE	917510464	8.38	37608	-0.133	-0.202	0.061	0.099	9.054947	-33.896401	217.05	1306.89
4	GUIDE	917254656	8.52	37610	0.071	0.193	0.075	0.123	10.371377	-33.734638	-1799.26	-2124.41
5	GUIDE	917254320	9.58	37530	0.052	0.036	0.086	0.142	9.460919	-33.507245	553.55	-517.17
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	917254864	8.69	37607	0.010	-0.021	0.066	0.105	9.625670	-33.474473	335.79	-976.75

2.4 Star Slots

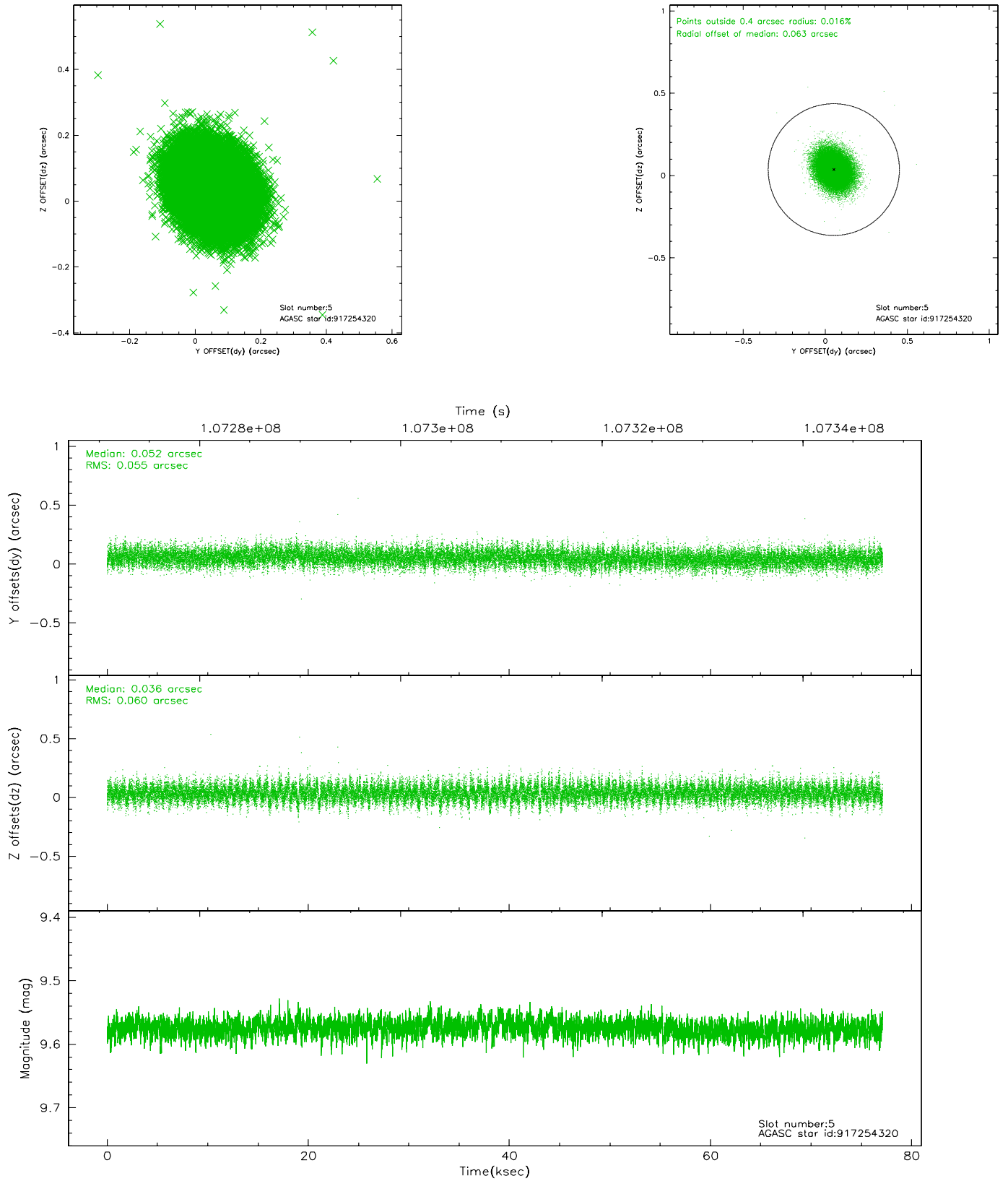
2.4.1 Slot 3



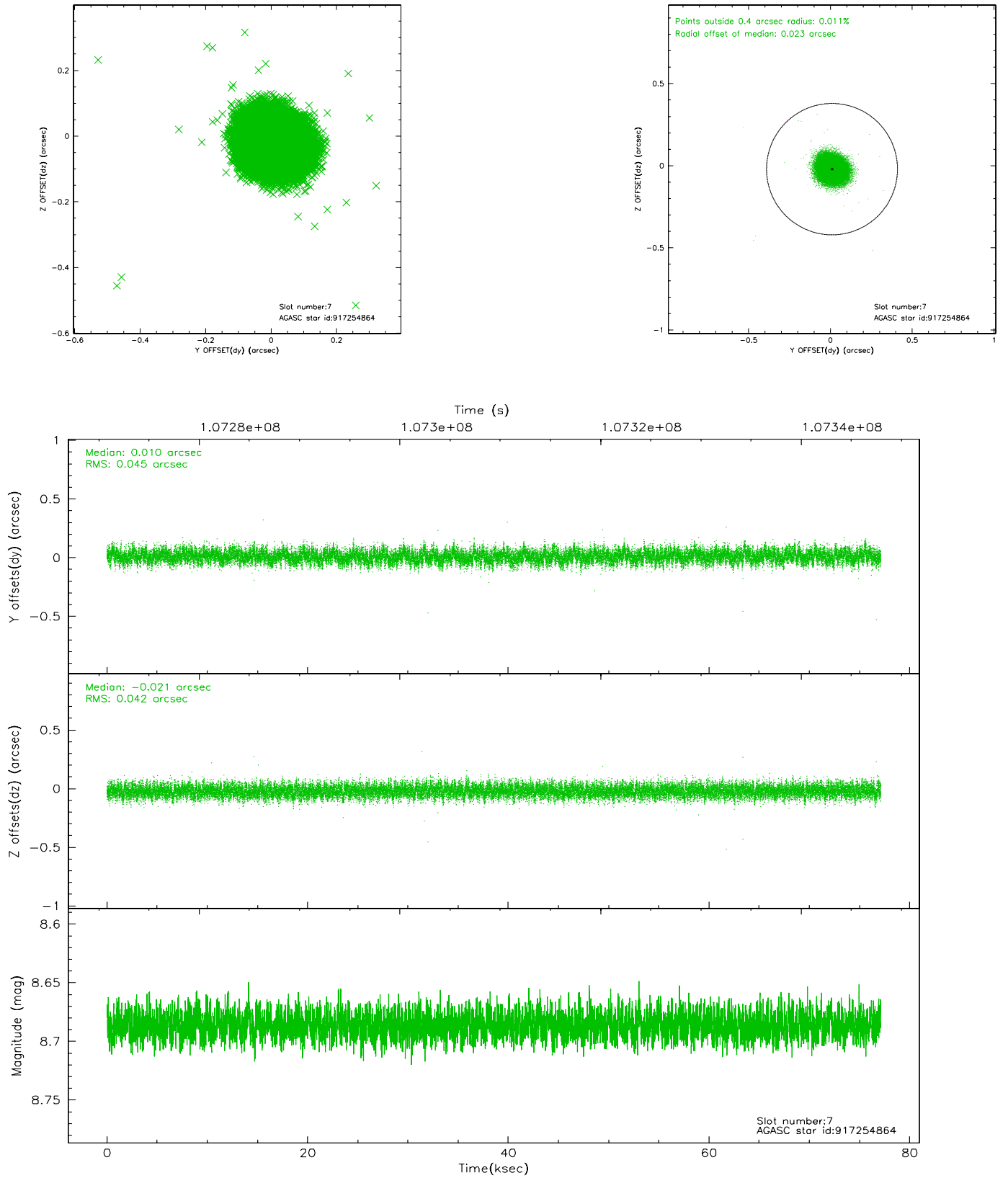
2.4.2 Slot 4



2.4.3 Slot 5

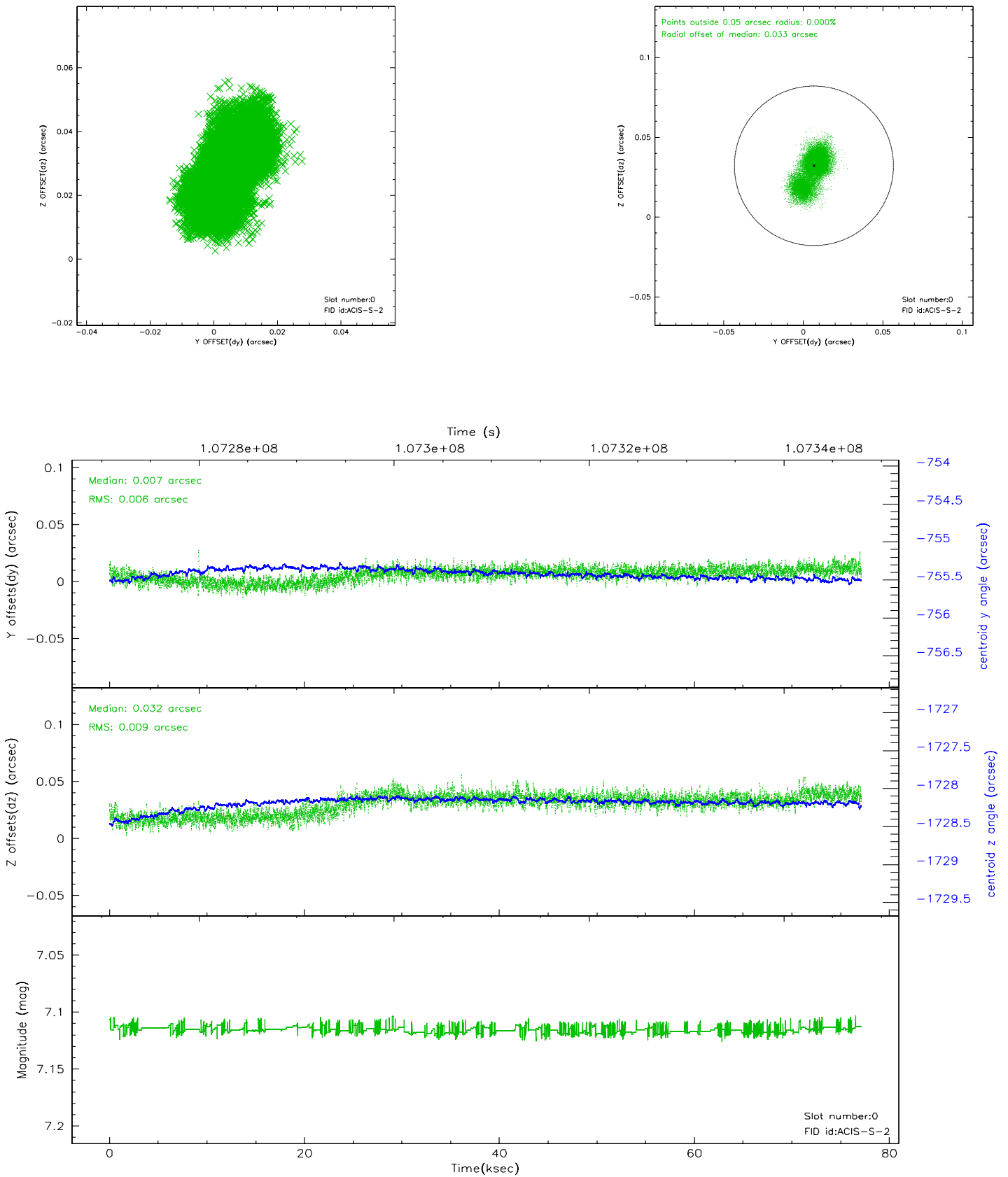


2.4.4 Slot 7

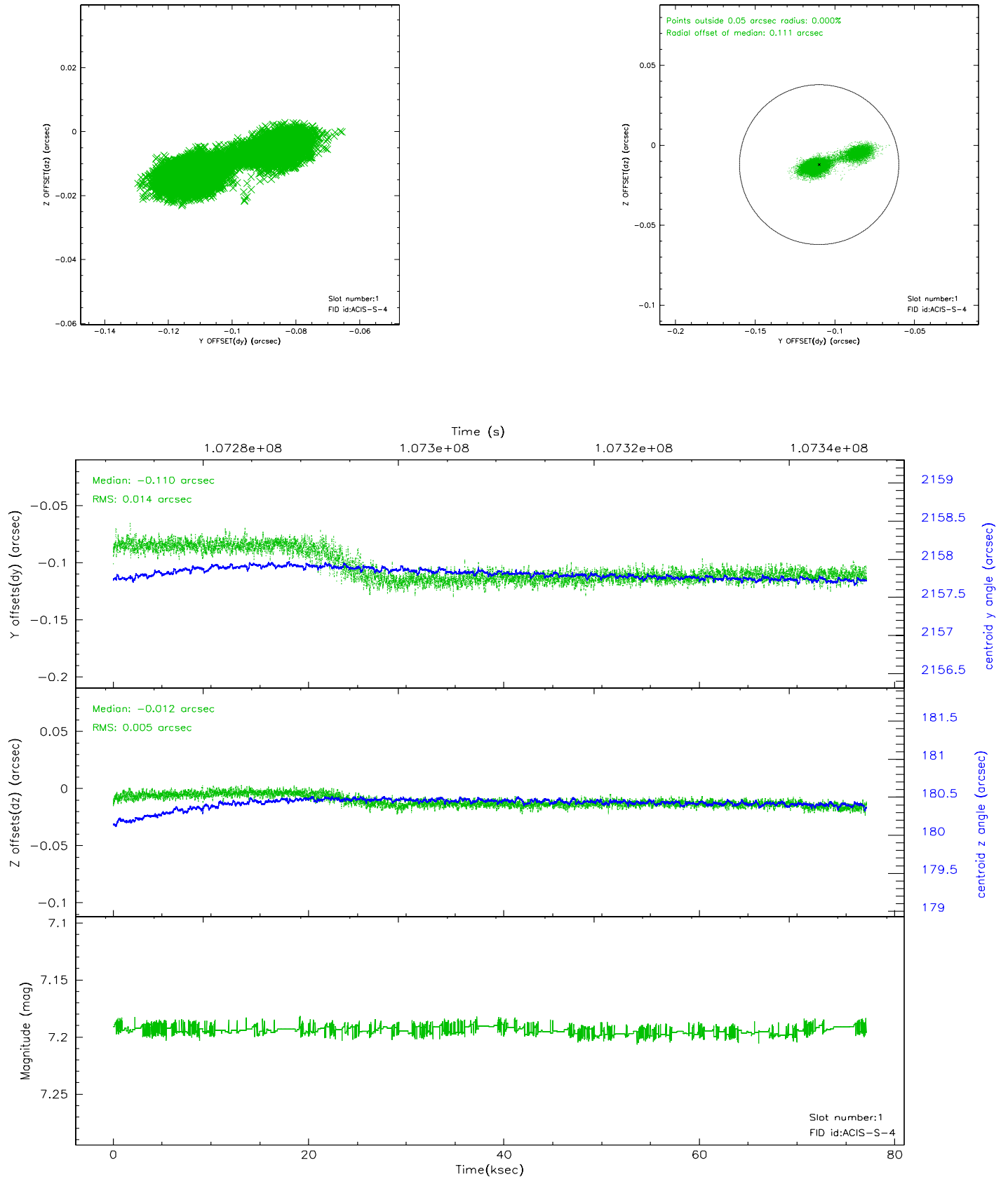


2.5 FID Slots

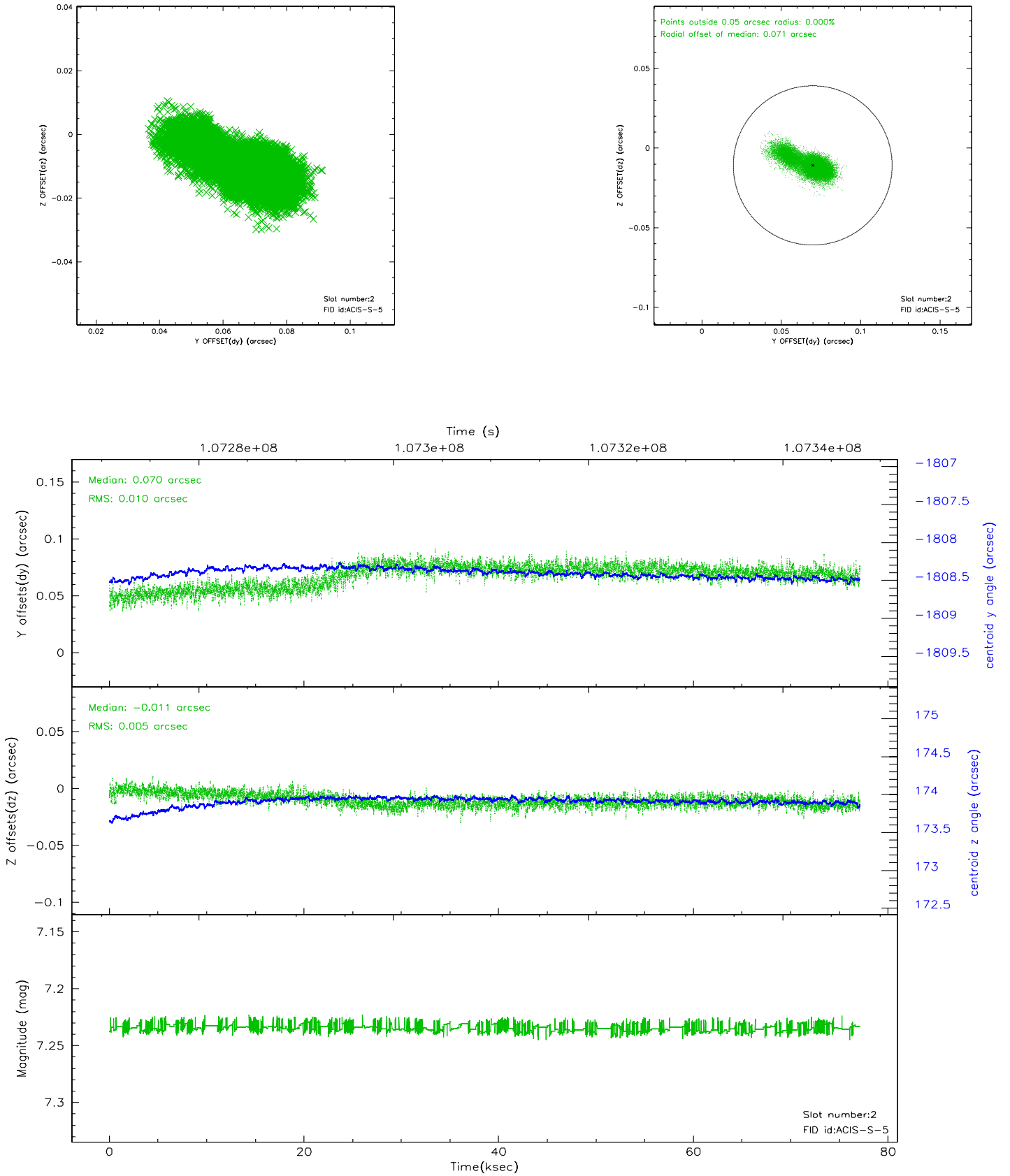
2.5.1 Slot 0



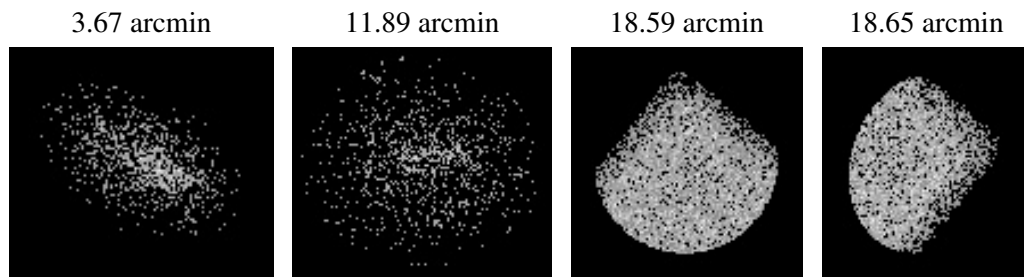
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	77.1

A.2 Comments

The star in slot 6 was manually excluded from the processing due to poor data quality.