

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3832 - L2 Version 001
Chandra X-Ray Center

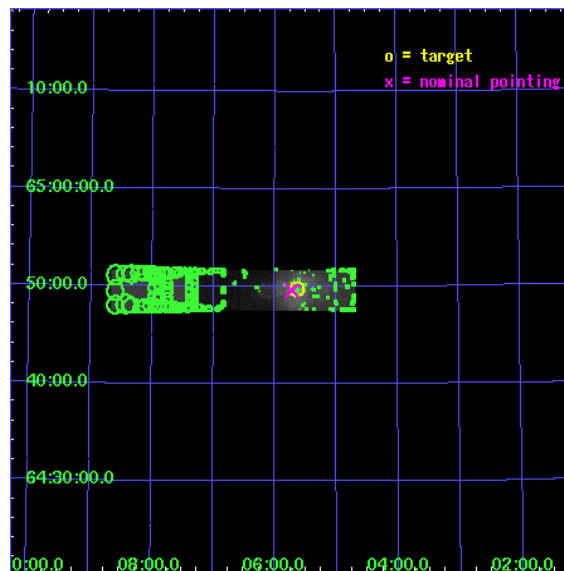
L2 Processing Date : Aug 1 2006

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

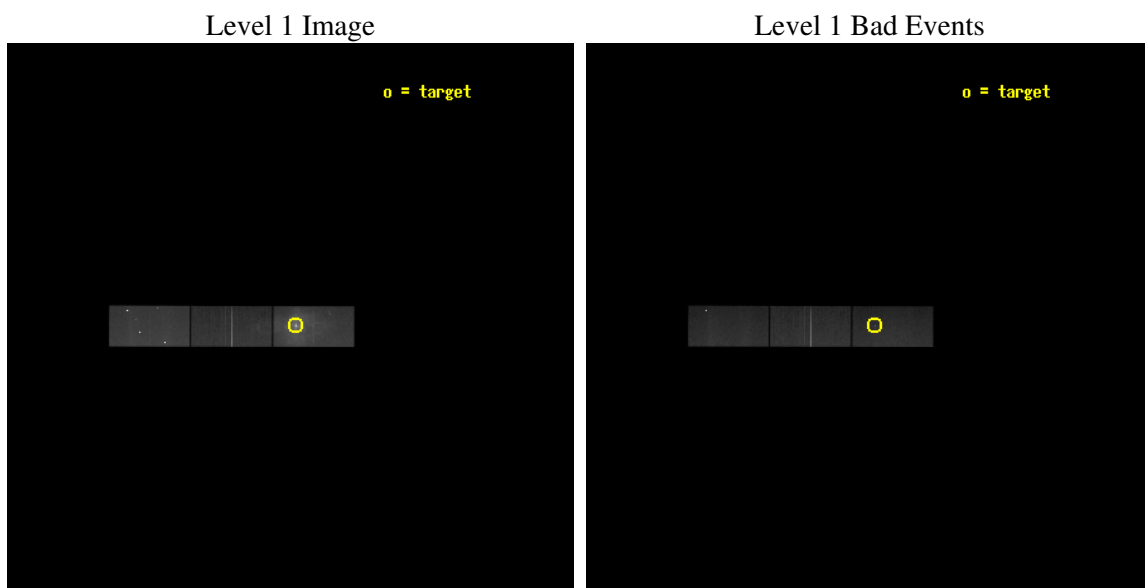
seq_num	500311
obs_id	3832
title	A DETAILED STUDY OF 3C58 - THE YOUNGEST KNOWN PULSAR NEBULA IN THE GALAXY
observer	Dr. Patrick Slane
object	3C58
dtcycle	0
cycle	P
ra_targ	31.4079
dec_targ	64.828267
ra_nom	31.430251683868
dec_nom	64.826595182997
roll_nom	0.13639510709631
revision	2
ontime	139310.23551044
livetime	135826.29114263
ontime5	139308.59449035
ontime6	139302.03052989
ontime7	139310.23551044
l2events	826478



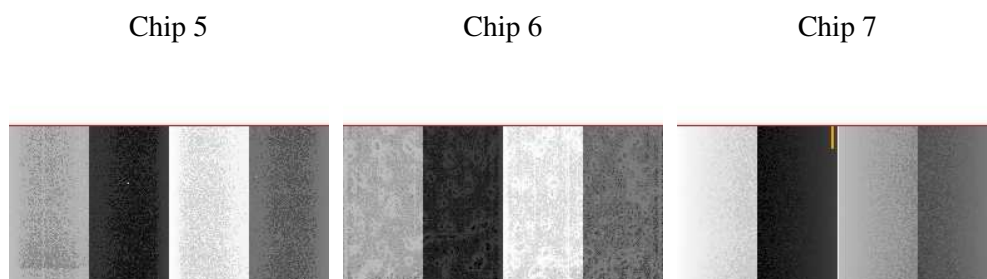
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.8
caldbver	3.2.2
date	2006-08-01T10:25:18
revision	2

sched_exp_time	138882.000000
ontime	139486.61498129
ontime5	139484.9739612
ontime6	139478.41000074
ontime7	139486.61498129
llevents	2220633

2.1.4 Events

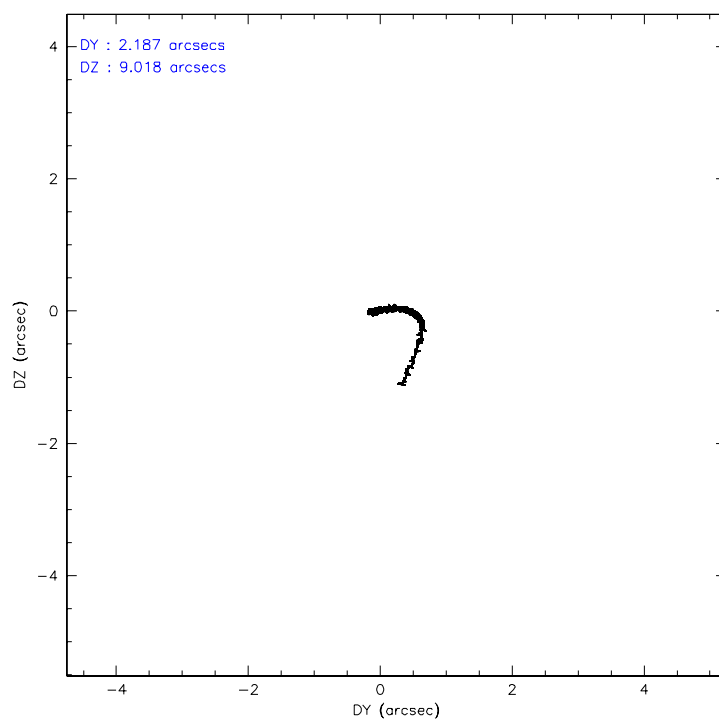
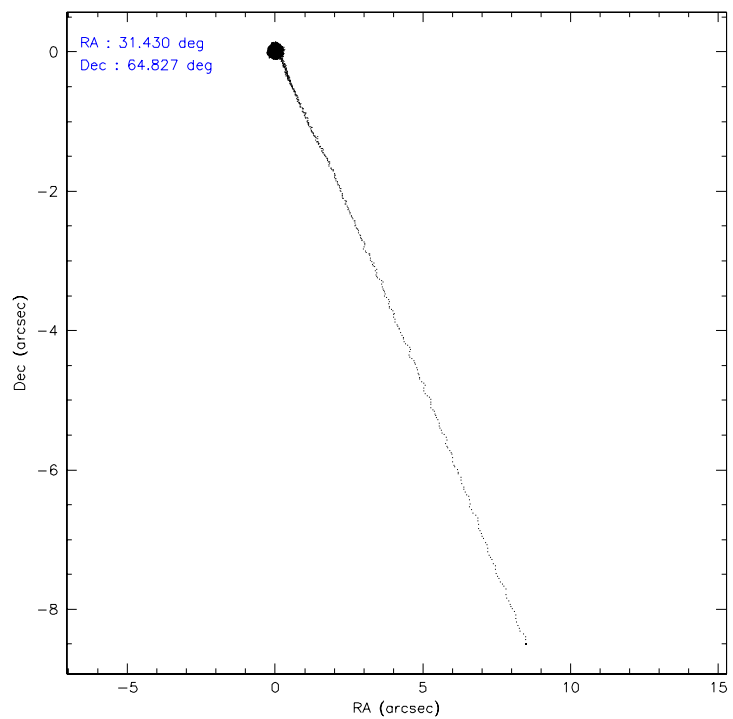
	ccd 5	ccd 6	ccd 7
level 1 events	845360	501659	873614
rejected events	397607	433176	367812
rejected %	47%	86%	42%

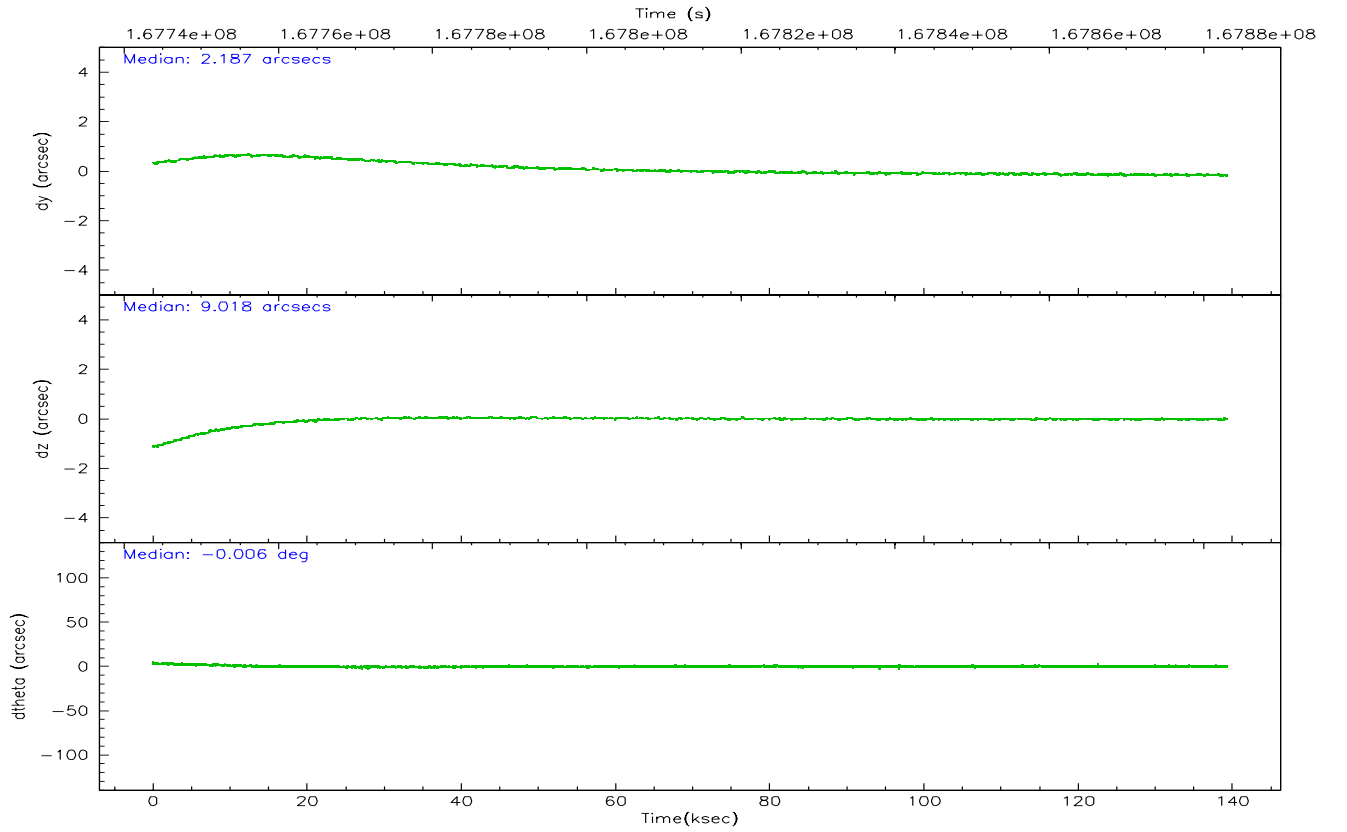
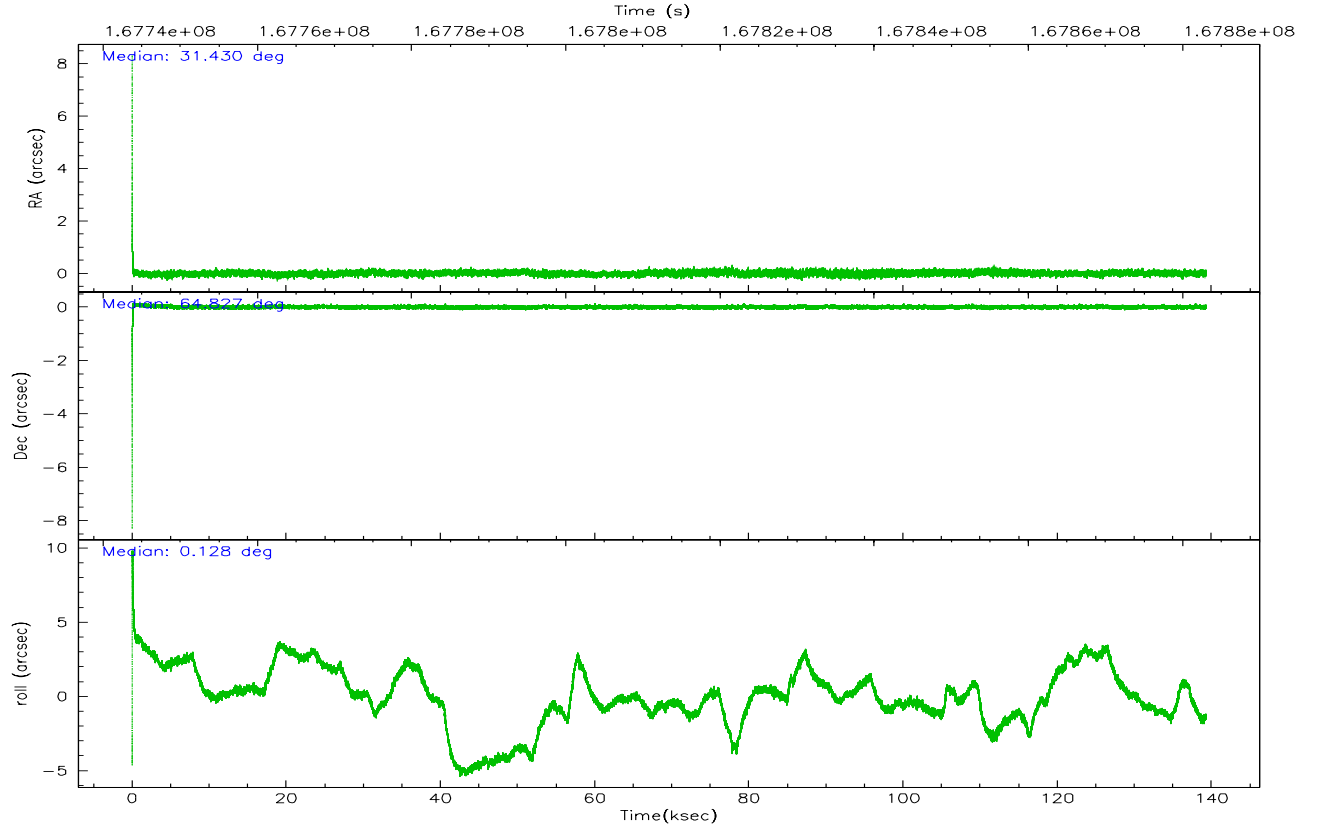
	ccd 5	ccd 6	ccd 7
grade 0 events	155523	31595	85325
	18%	6%	9%
grade 1 events	660	187	518
	0%	0%	0%
grade 2 events	112641	11680	134506
	13%	2%	15%
grade 3 events	9656	7221	45514
	1%	1%	5%
grade 4 events	7339	7165	43985
	0%	1%	5%
grade 5 events	55549	20153	43222
	6%	4%	4%
grade 6 events	163207	10916	197083
	19%	2%	22%
grade 7 events	340785	412742	323461
	40%	82%	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-567	ACIS-567	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	1/2	1/2
Pointing RA	31.375406	31.43025168386806	Subarray start row	0	257
Pointing Dec	64.812593	64.82659518299711	Subarray row count	1024	512
Pointing Roll	0.029402	0.1363951070963094	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.6
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	167744171.184000	167743079.69932			
Observation start date	2003-04-26T11:35:07	2003-04-26T11:17:59			
Observation end time	167883053.184000	167884375.4428			
Observation end date	2003-04-28T02:09:49	2003-04-28T02:32:55			
Read mode	TIMED	TIMED			

2.3 Aspect



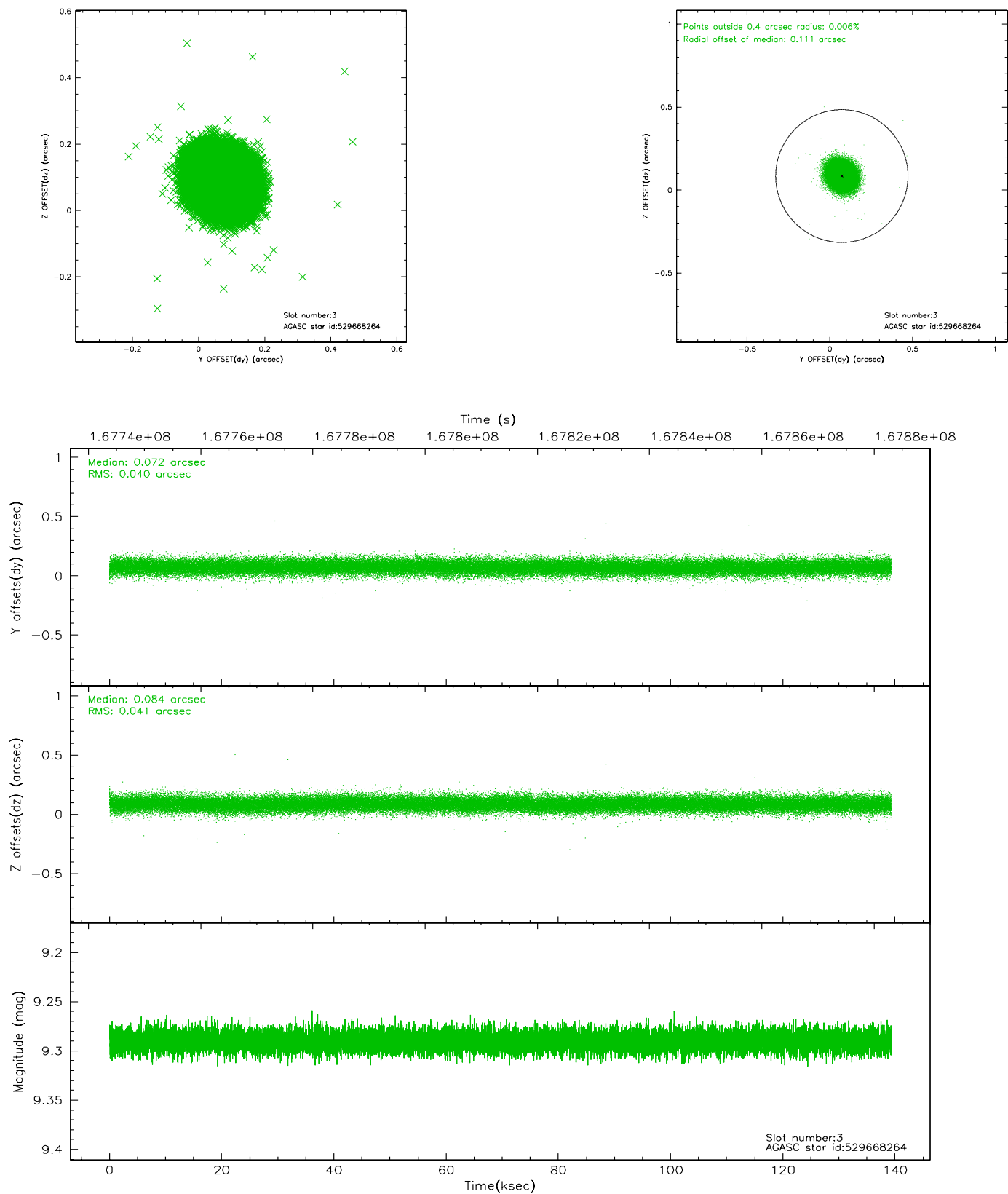


Slot Statistics

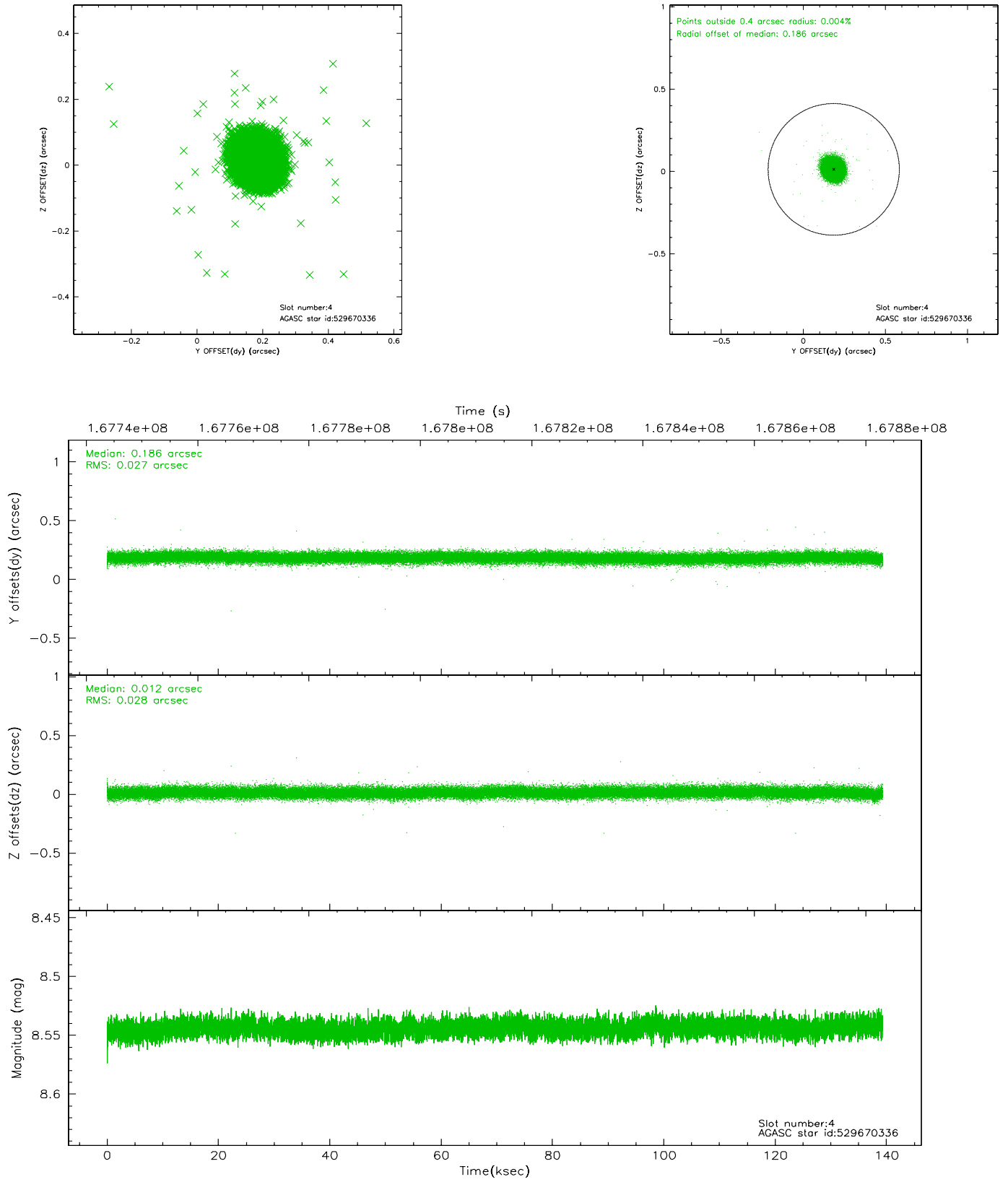
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	33975	-0.016	0.057	0.010	0.035	0.000000	0.000000	941.10	-1725.75
1	FID	ACIS-S-5	7.24	33975	0.026	0.016	0.009	0.024	0.000000	0.000000	-1807.92	171.88
2	FID	ACIS-S-6	7.35	33975	-0.032	-0.061	0.009	0.016	0.000000	0.000000	406.75	815.64
3	GUIDE	529668264	9.29	67921	0.072	0.084	0.060	0.098	31.791992	64.625937	642.78	-669.84
4	GUIDE	529670336	8.54	67930	0.186	0.012	0.040	0.067	31.583988	64.608918	322.15	-732.58
5	GUIDE	529673088	8.85	67929	-0.053	-0.009	0.049	0.080	30.560791	64.638256	-1256.12	-618.87
6	GUIDE	529664688	9.31	67913	-0.134	0.110	0.059	0.097	30.258289	64.711247	-1717.94	-348.73
7	GUIDE	529667344	8.77	67931	-0.069	-0.200	0.045	0.073	31.882421	65.482125	758.45	2413.14

2.4 Star Slots

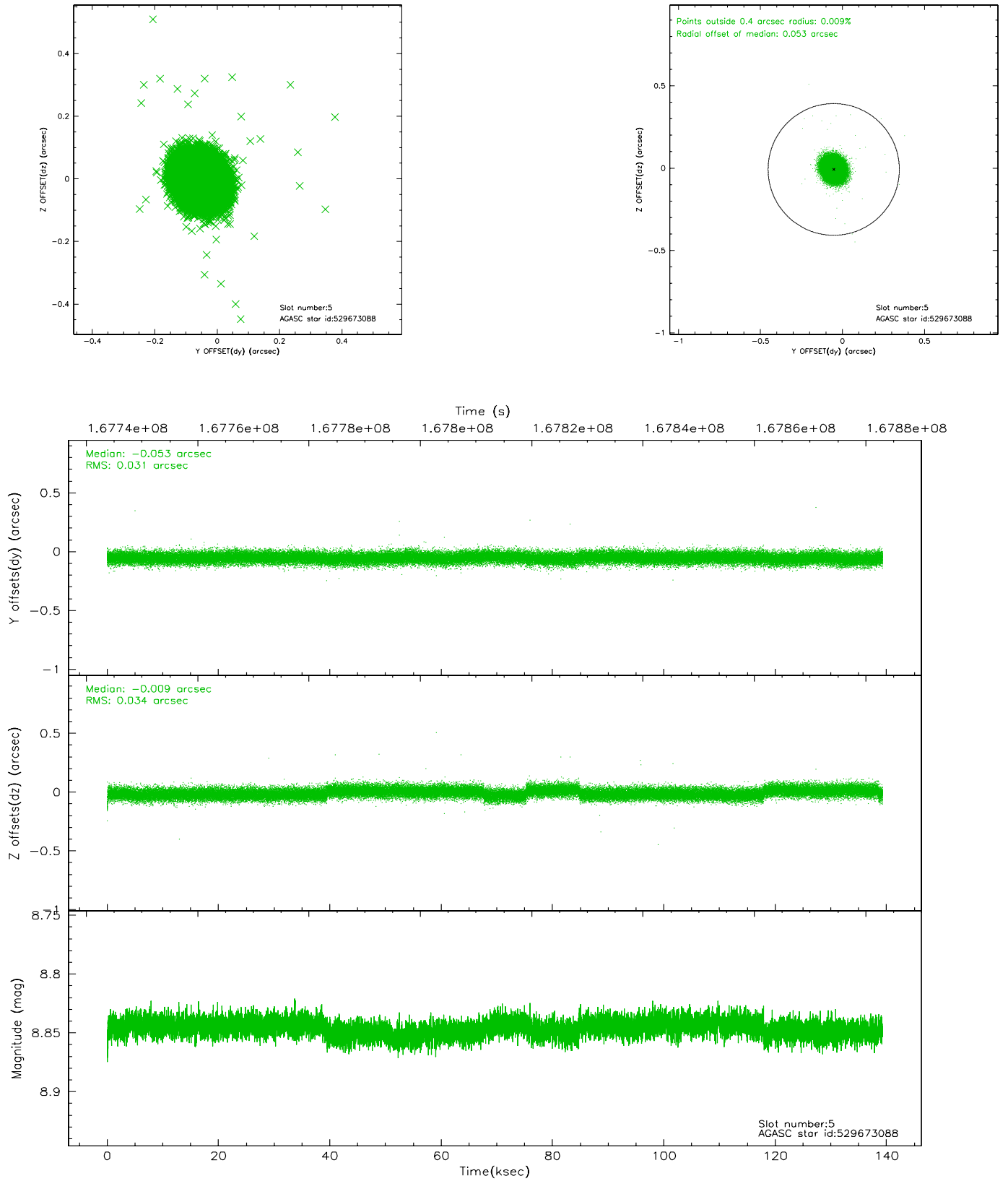
2.4.1 Slot 3



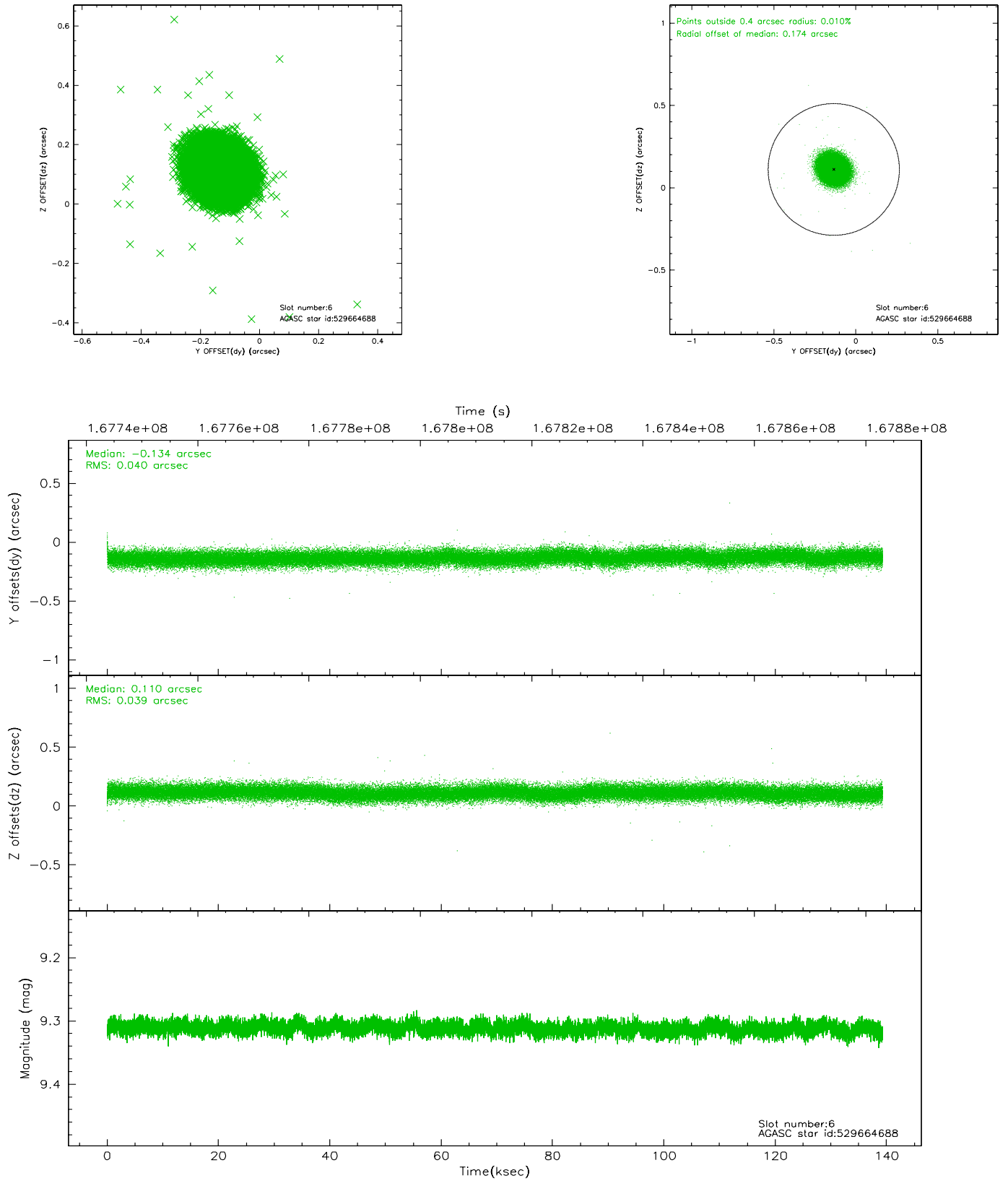
2.4.2 Slot 4



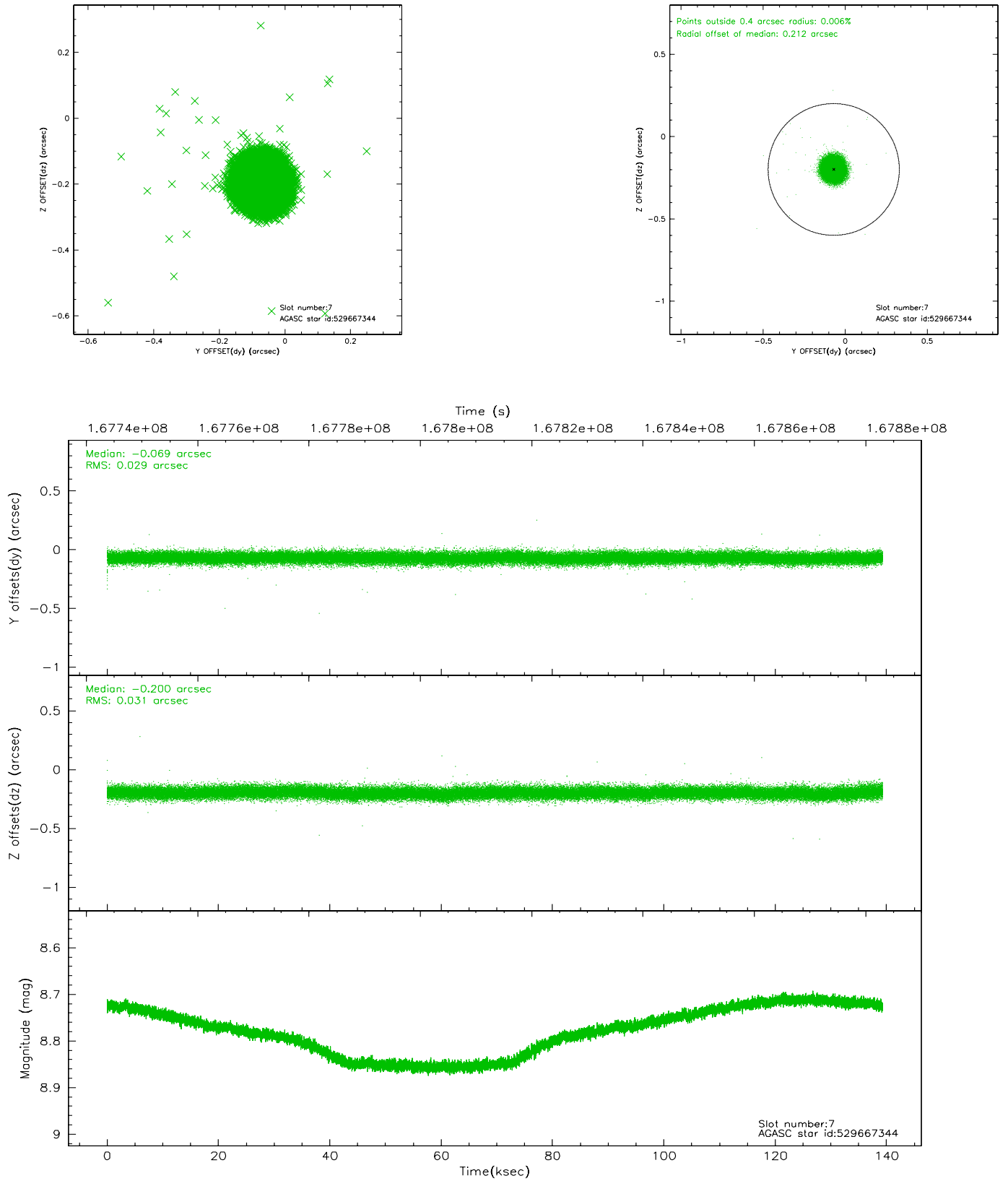
2.4.3 Slot 5



2.4.4 Slot 6

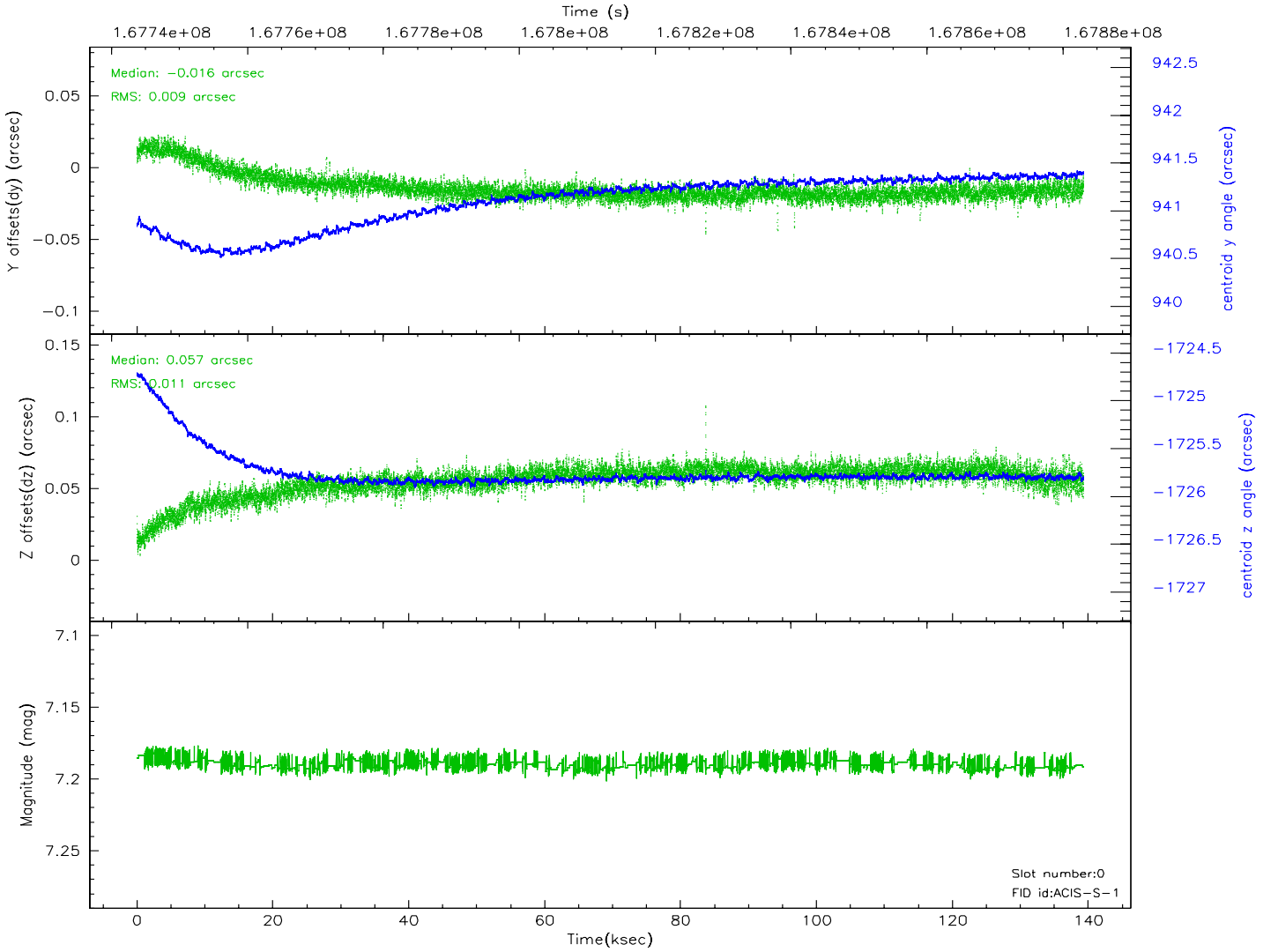
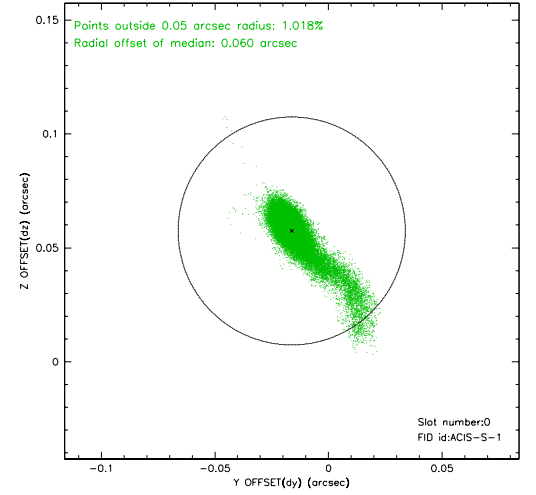
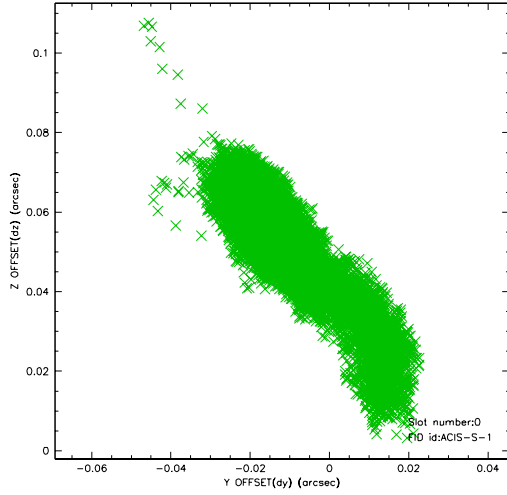


2.4.5 Slot 7

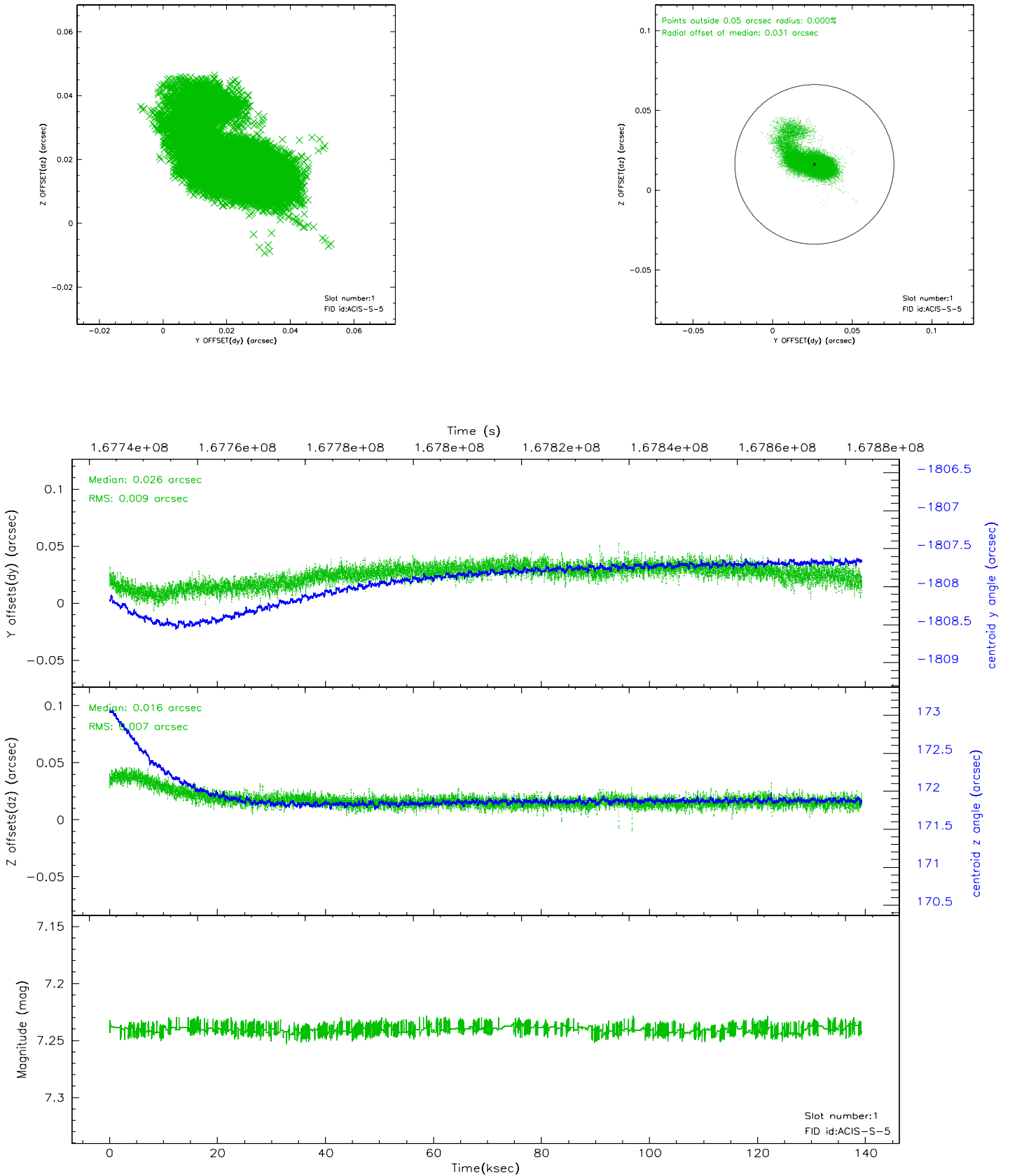


2.5 FID Slots

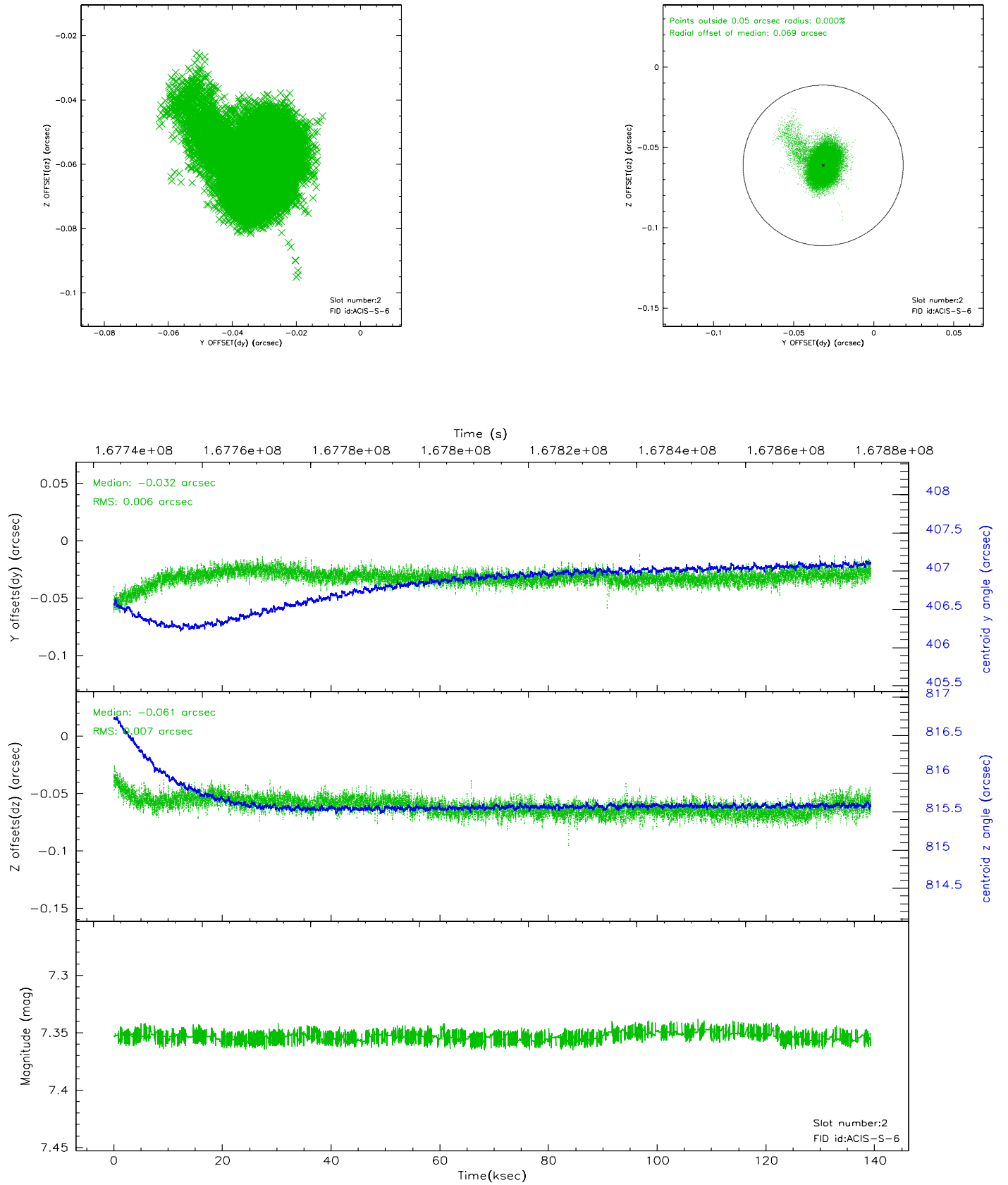
2.5.1 Slot 0



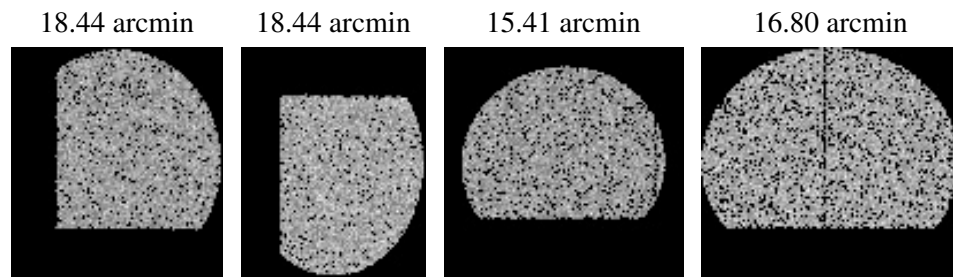
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	139.308

A.2 Comments

Issue #118: Because of a flight operations issue, dither has been turned off. This is not an issue in term of processing, but science data may be affected by chip gaps and bad columns.