

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4383 - L2 Version 001
Chandra X-Ray Center

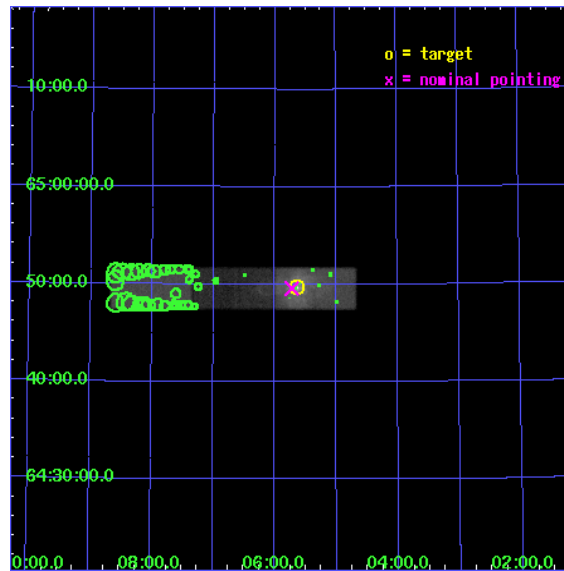
L2 Processing Date : Sep 25 2006

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1 Front

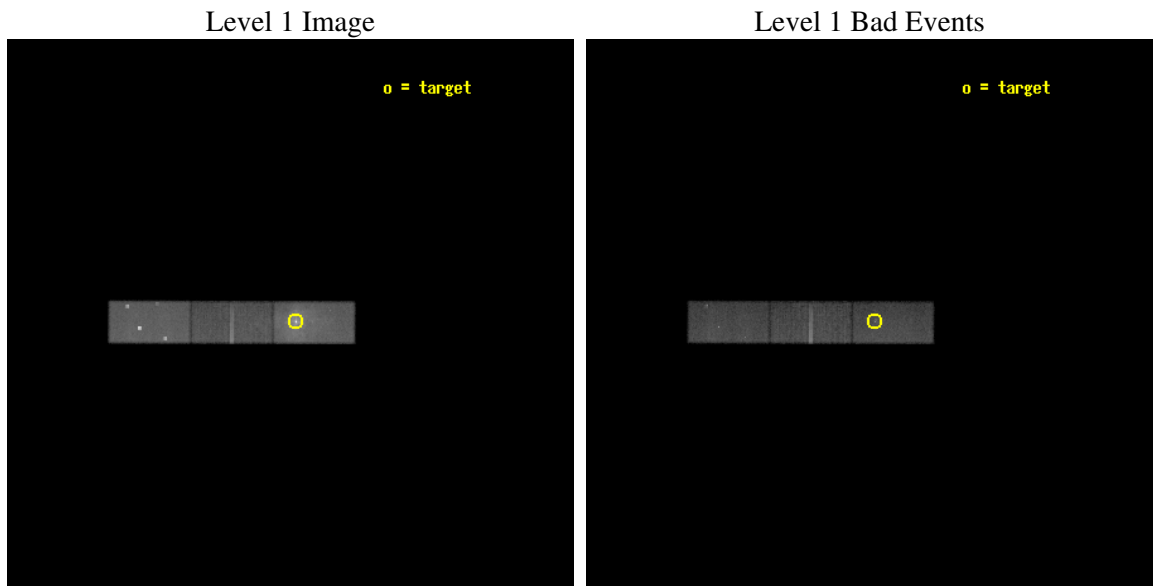
seq_num	500311
obs_id	4383
title	A DETAILED STUDY OF 3C58 - THE YOUNGEST KNOWN PULSAR NEBULA IN THE GALAXY
observer	Dr. Patrick Slane
object	3C58
dtcycle	0
cycle	P
ra_targ	31.407917
dec_targ	64.828267
ra_nom	31.430220538769
dec_nom	64.826588728808
roll_nom	0.13643379956184
revision	2
ontime	38350.605275035
livetime	37391.512967421
ontime5	38360.451455027
ontime6	38350.605354786
ontime7	38350.605275035
l2events	321826



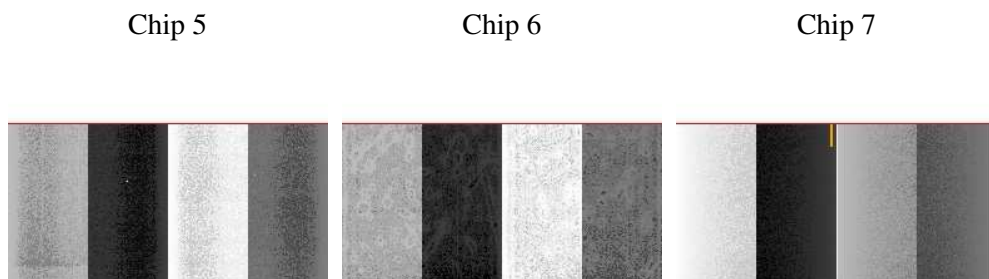
2 OBI

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	2006-09-25T19:55:52
revision	2

sched_exp_time	39954.554000
ontime	40728.461995333
ontime5	40743.231335253
ontime6	40733.385215193
ontime7	40728.461995333
l1events	721178

2.1.4 Events

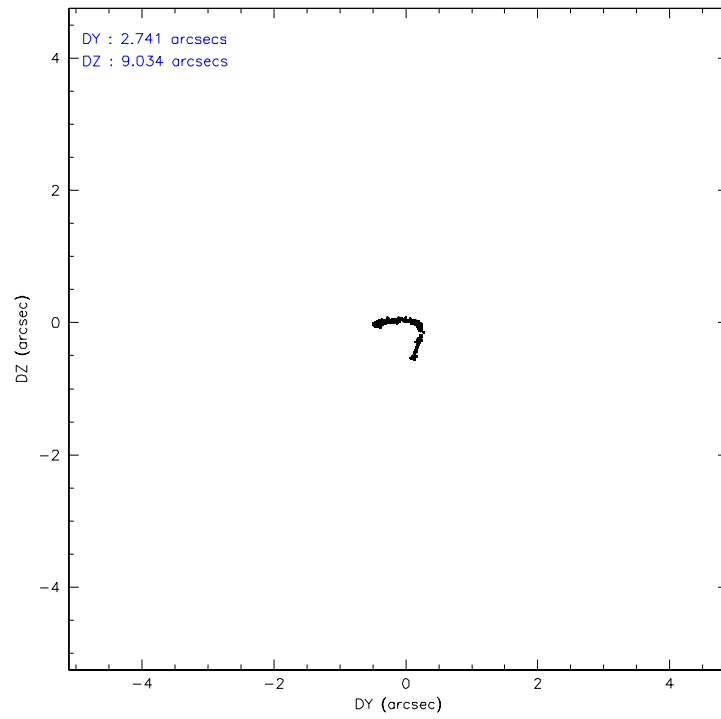
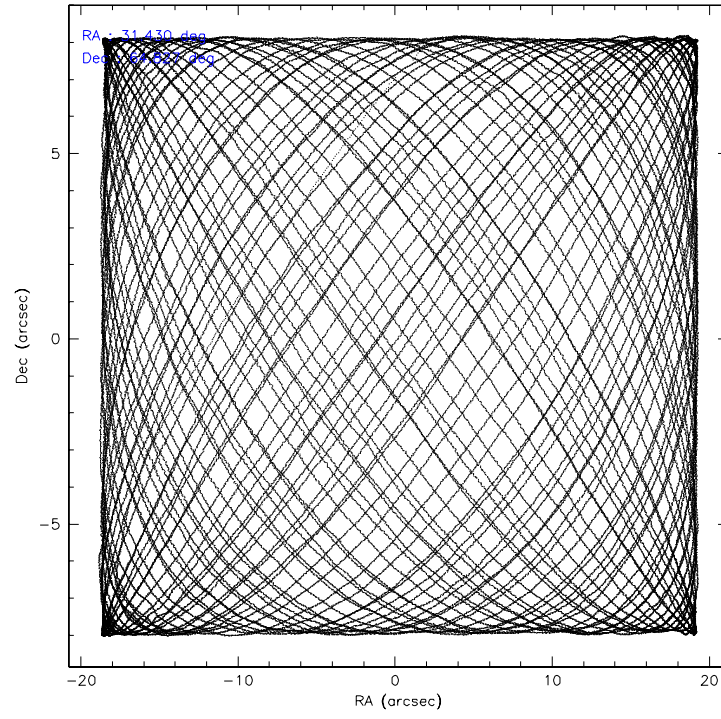
	ccd 5	ccd 6	ccd 7
level 1 events	252032	175111	294035
rejected events	118137	129783	118750
rejected %	46%	74%	40%

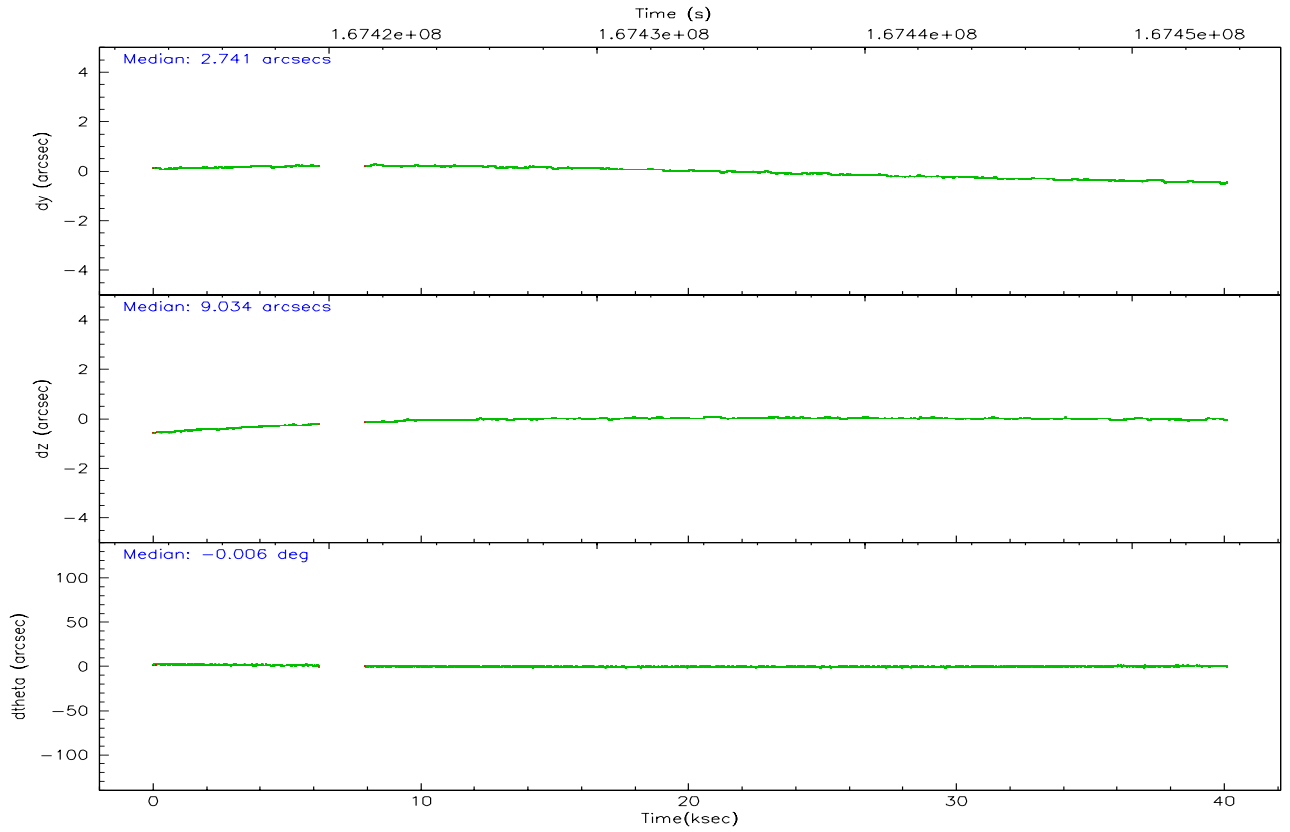
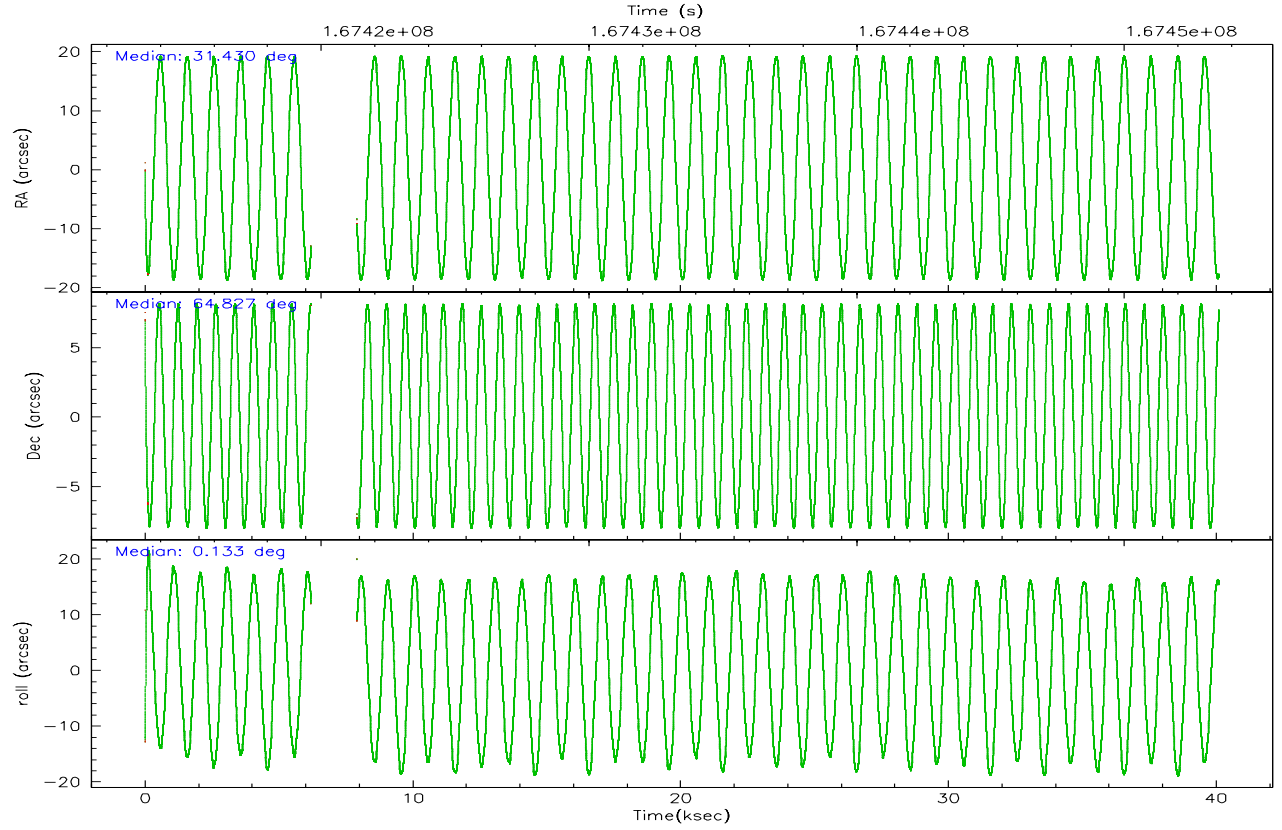
	ccd 5	ccd 6	ccd 7
grade 0 events	30175	29175	27896
	11%	16%	9%
grade 1 events	210	92	141
	0%	0%	0%
grade 2 events	39850	6428	45646
	15%	3%	15%
grade 3 events	3362	2914	15140
	1%	1%	5%
grade 4 events	3126	2982	14381
	1%	1%	4%
grade 5 events	9983	5718	12736
	3%	3%	4%
grade 6 events	63572	4933	79357
	25%	2%	26%
grade 7 events	101754	122869	98738
	40%	70%	33%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	31.375414	31.43022053876915	Subarray requested	1/2	1/2
Pointing Dec	64.812603	64.82658872880765	Subarray start row	0	257
Pointing Roll	0.029410	0.1364337995618382	Subarray row count	1024	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.6
SIM translation stage pos (mm)	-190.132523	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	167413585.184000	167412403.41033			
Observation start date	2003-04-22T15:45:21	2003-04-22T15:26:43			
Observation end time	167453540.184000	167453854.41208			
Observation end date	2003-04-23T02:51:16	2003-04-23T02:57:34			
Read mode	TIMED	TIMED			

2.3 Aspect



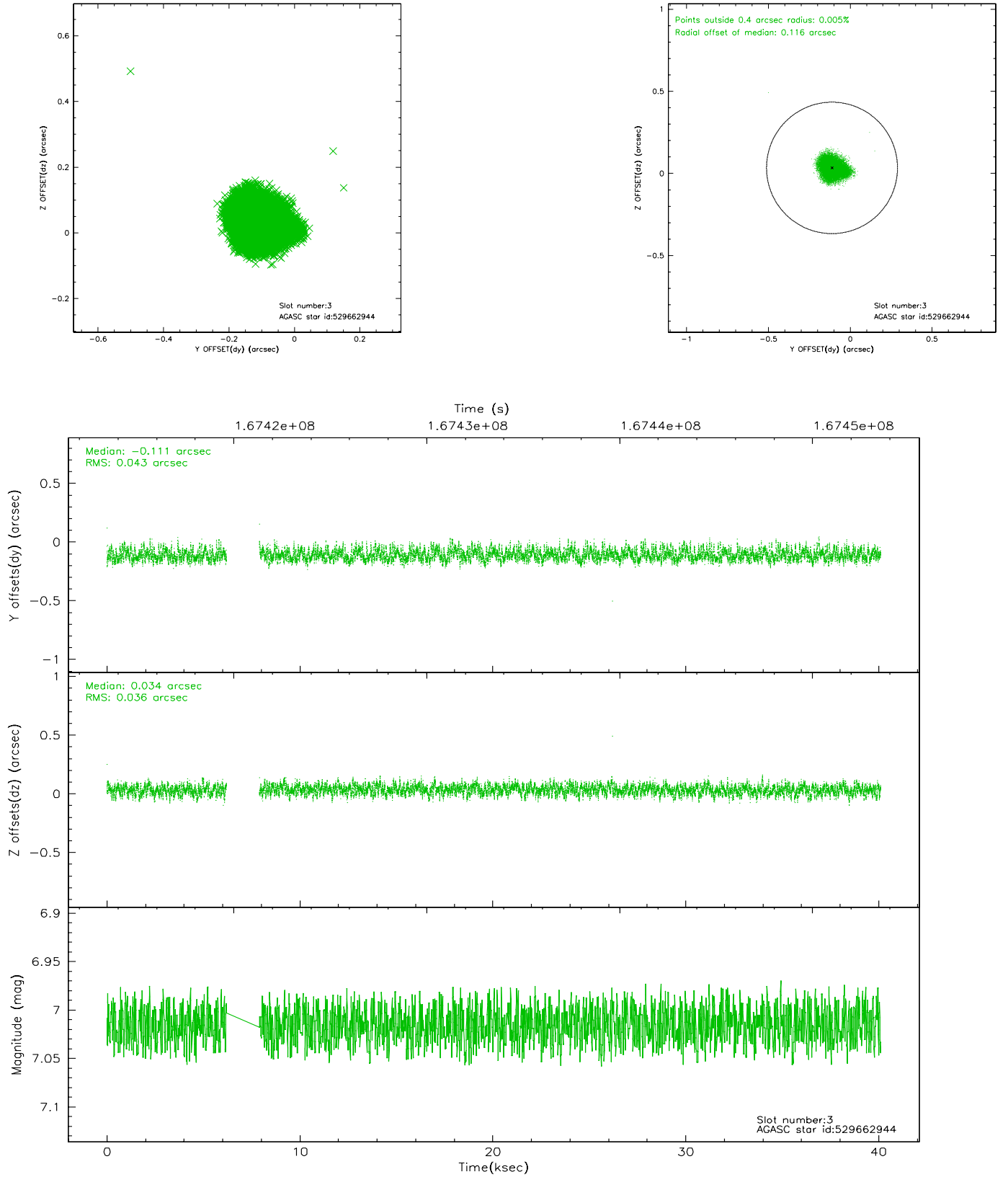


Slot Statistics

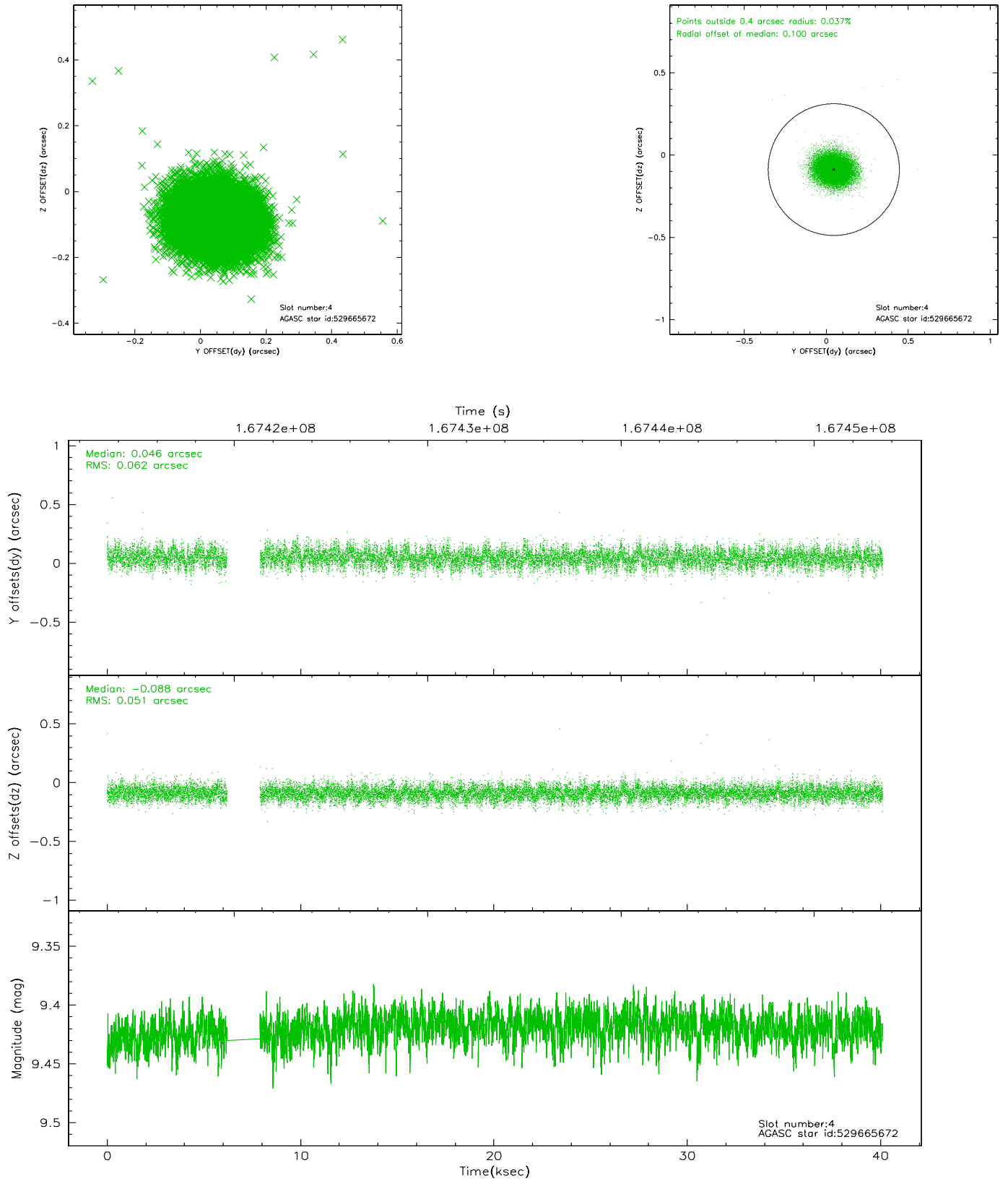
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	9341	-0.006	0.051	0.011	0.027	0.000000	0.000000	940.71	-1725.67
1	FID	ACIS-S-5	7.24	9338	0.010	0.023	0.013	0.021	0.000000	0.000000	-1808.26	171.83
2	FID	ACIS-S-6	7.35	9340	-0.028	-0.061	0.009	0.015	0.000000	0.000000	406.21	815.74
3	GUIDE	529662944	7.01	18701	-0.111	0.034	0.061	0.095	31.166392	65.103499	-315.94	1048.08
4	GUIDE	529665672	9.42	18692	0.046	-0.088	0.084	0.139	32.707839	64.829181	2040.38	80.44
5	GUIDE	529668264	9.28	18622	0.050	0.075	0.070	0.116	31.791992	64.625937	642.98	-669.95
6	GUIDE	529670336	8.53	18694	0.052	-0.023	0.063	0.101	31.583988	64.608918	322.12	-732.72
7	GUIDE	529673088	8.83	18688	-0.040	0.004	0.070	0.113	30.560791	64.638256	-1256.01	-618.83

2.4 Star Slots

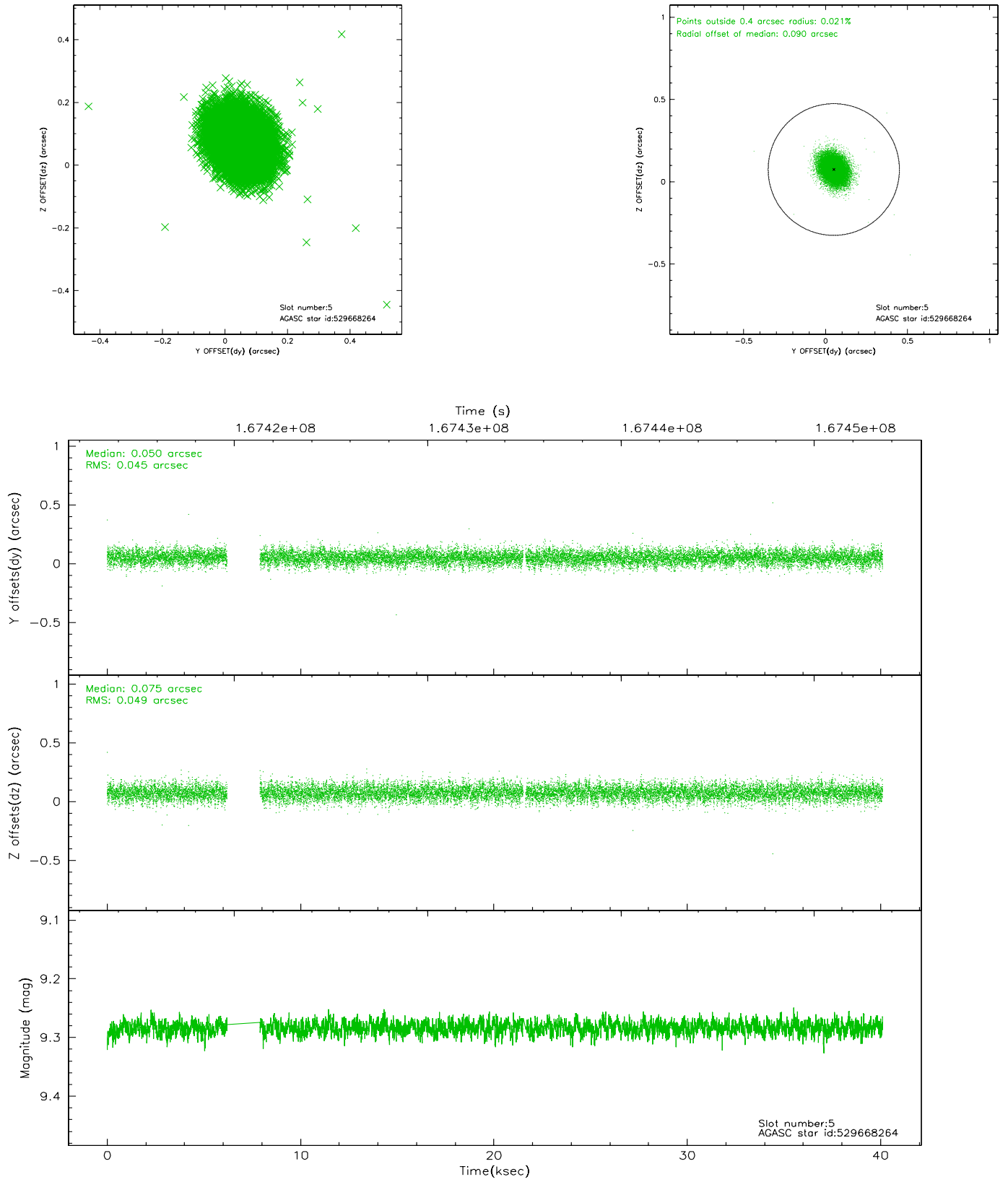
2.4.1 Slot 3



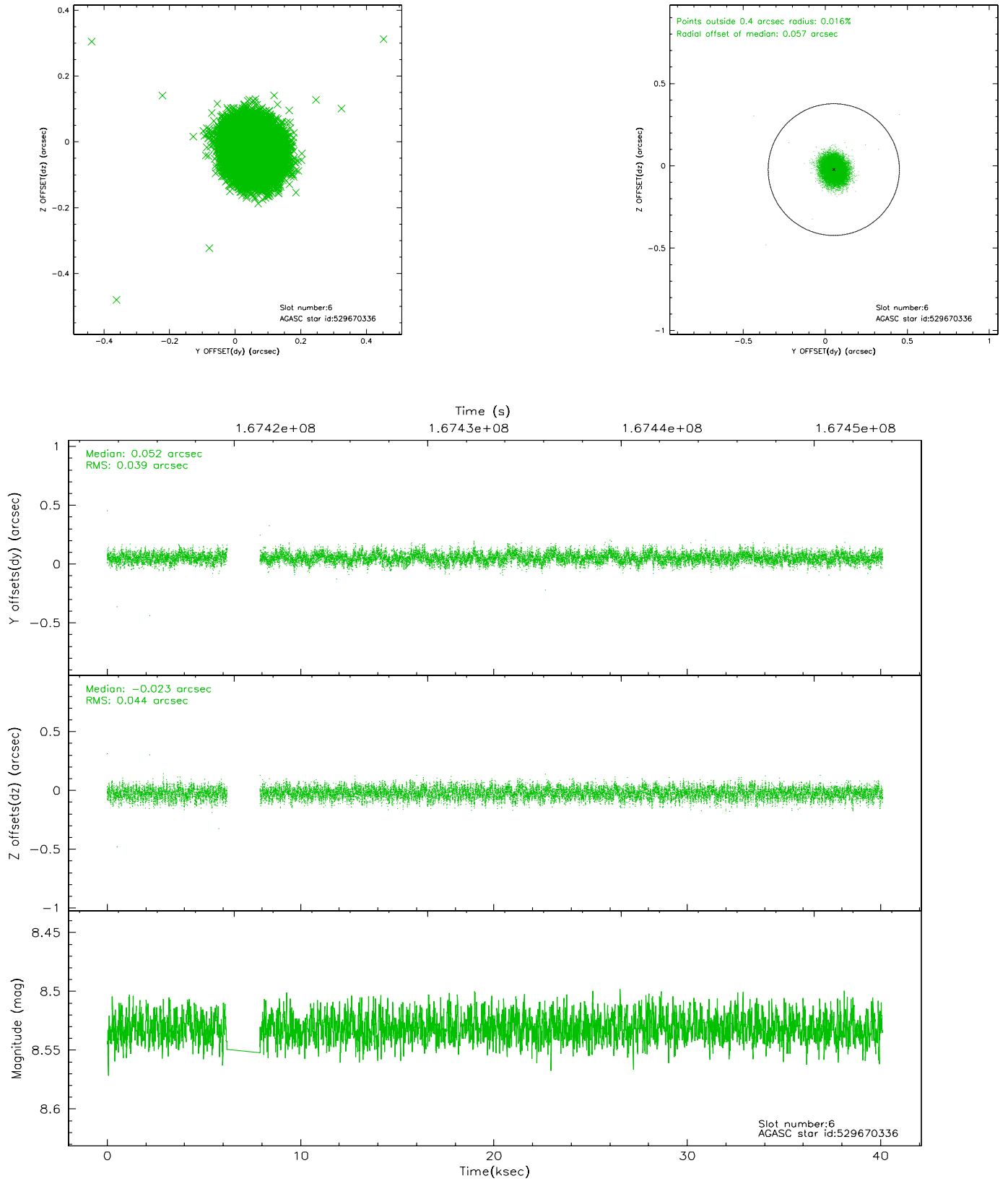
2.4.2 Slot 4



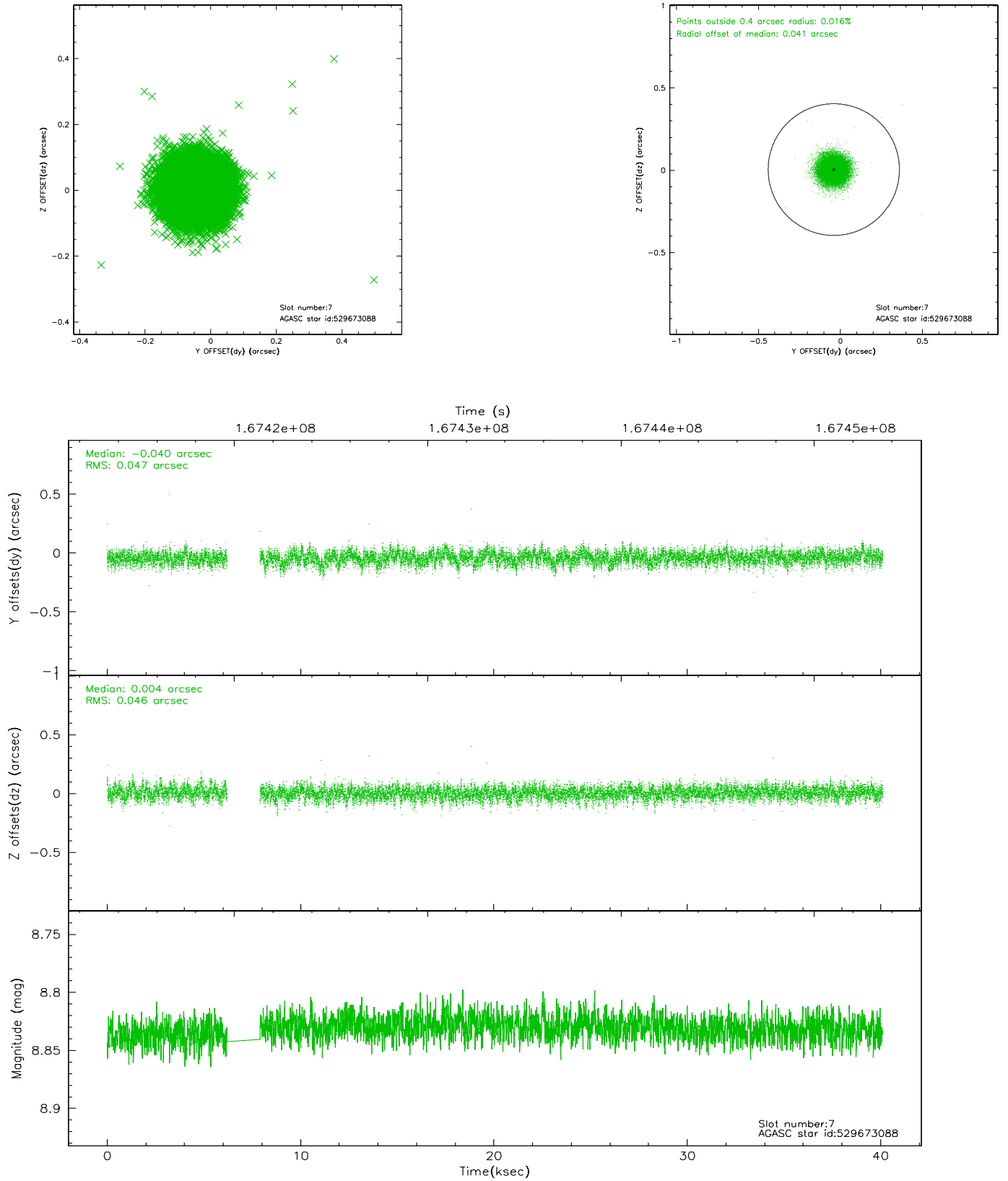
2.4.3 Slot 5



2.4.4 Slot 6

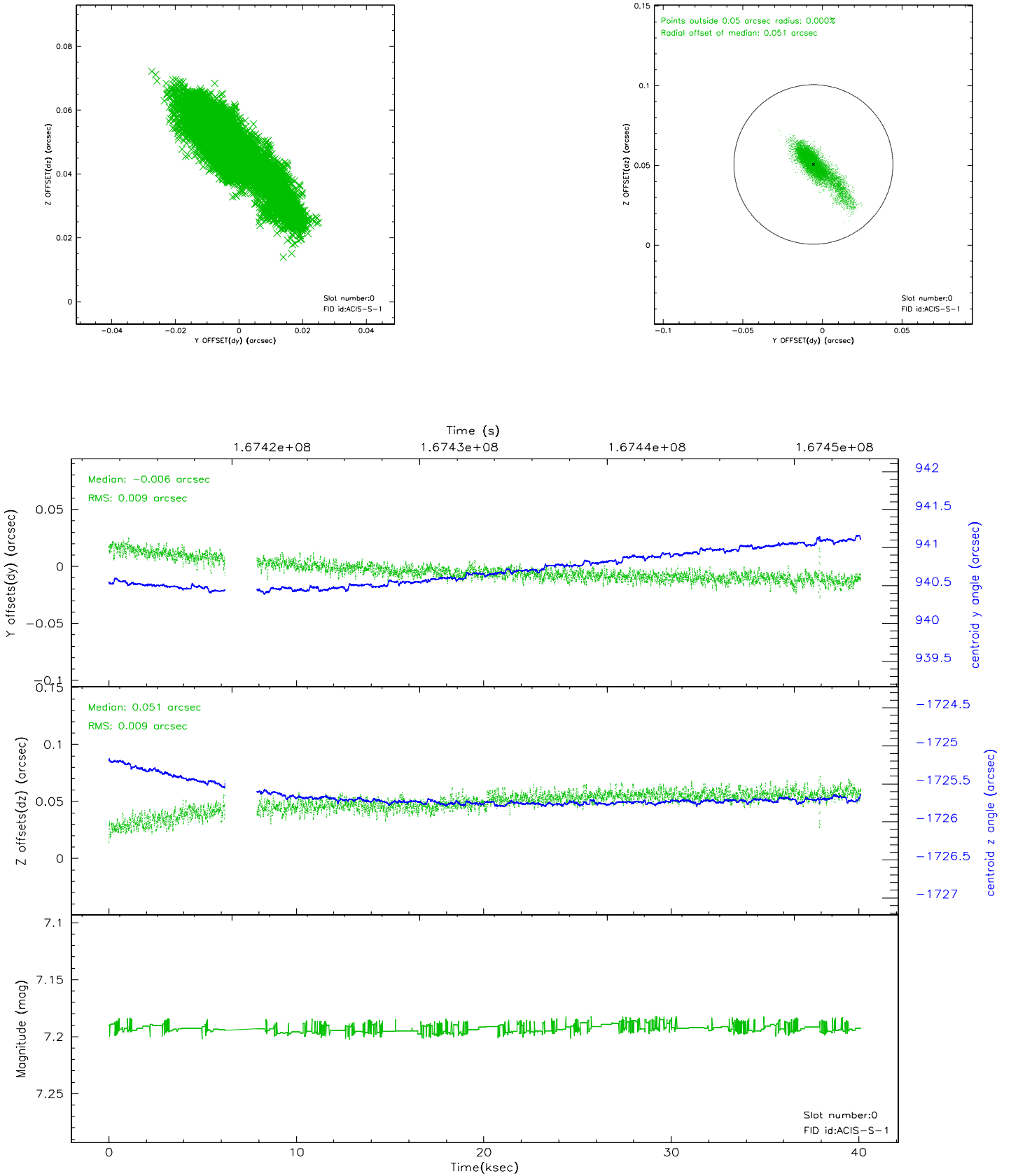


2.4.5 Slot 7

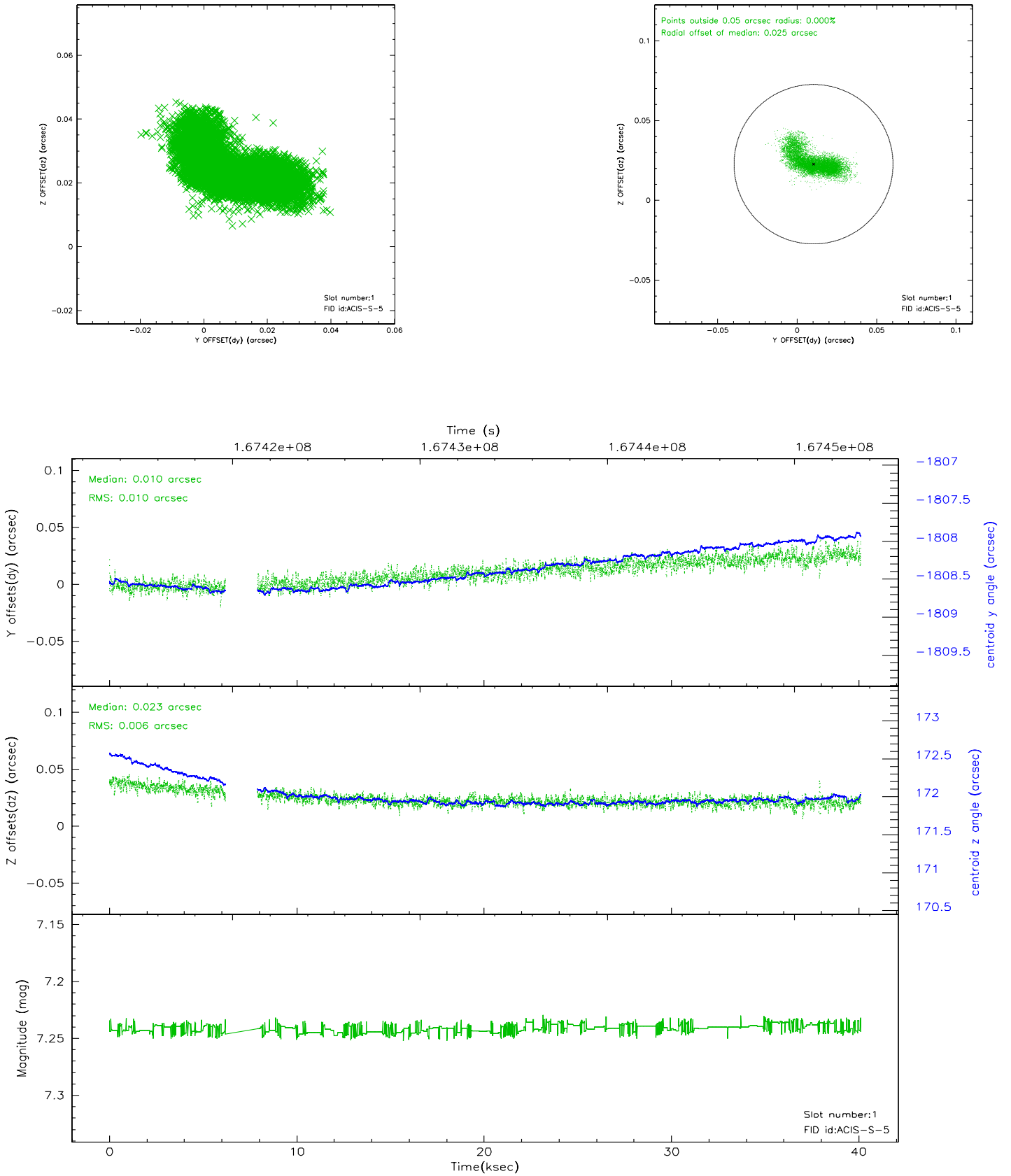


2.5 FID Slots

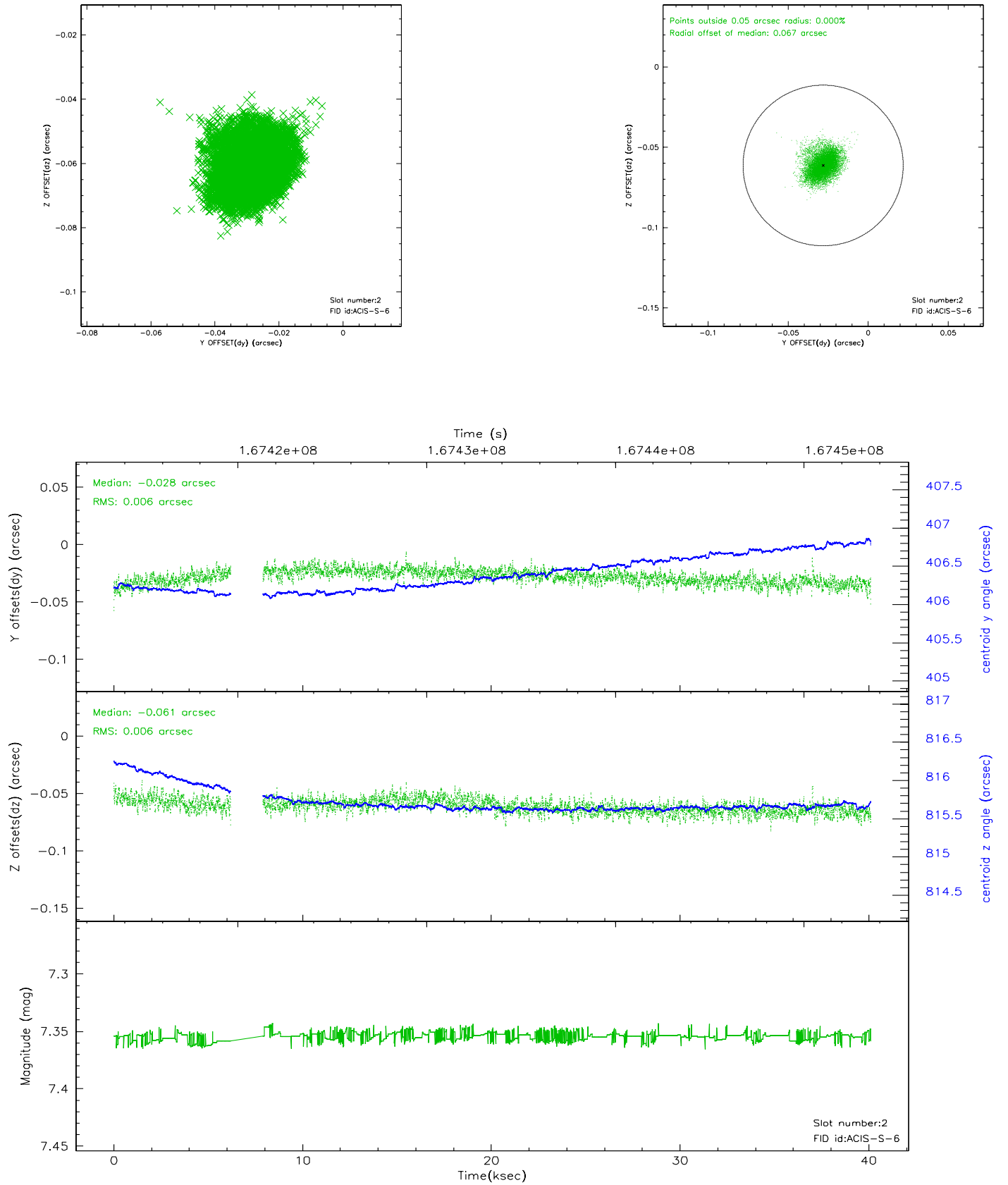
2.5.1 Slot 0



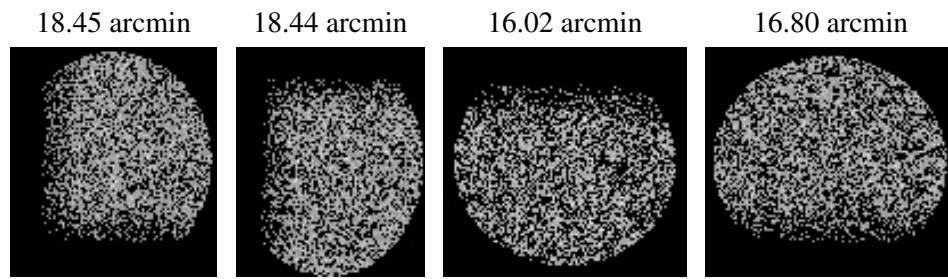
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.716

A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 39.716 ks.

Gap in aspect data of 1800 s starting about 6 ksec into the observation.

The

data are non-recoverable. Event data during this gap in the pointing data are

not marked as GTI. There are also multiple short periods of non-GTI data

during the first half of the observations.