

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2516 - L2 Version 001
Chandra X-Ray Center

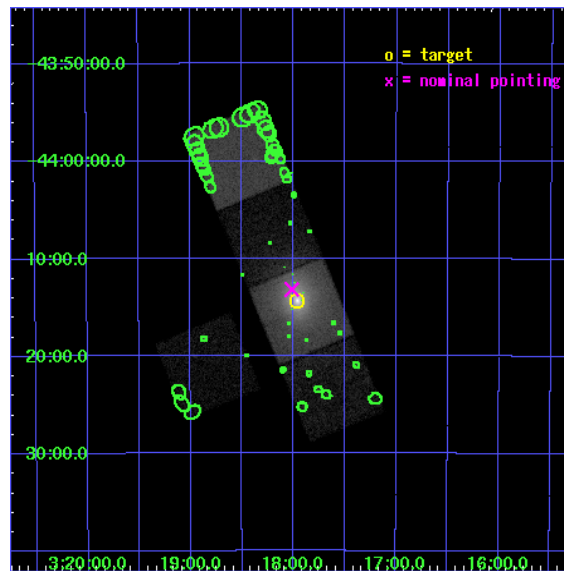
L2 Processing Date : Dec 31 2006

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1 Front

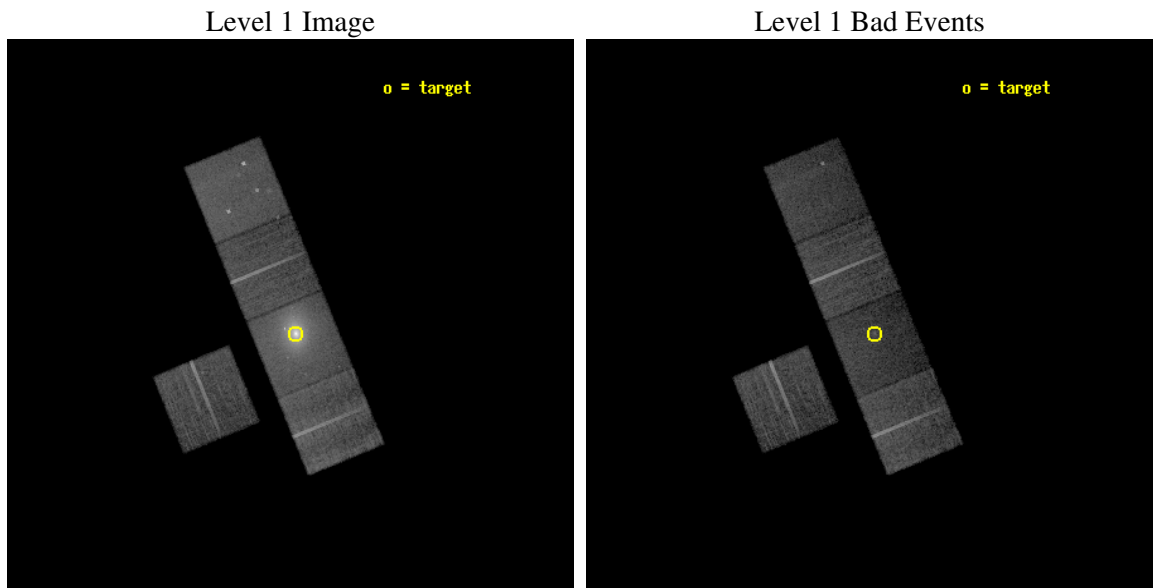
seq_num	800155
obs_id	2516
title	THE INTERACTION BETWEEN CLUSTER CENTRAL RADIO SOURCES AND COOLING FLOWS
observer	Dr. Craig Sarazin
object	A3112
dtcycle	0
cycle	P
ra_targ	49.490417
dec_targ	-44.238194
ra_nom	49.503673100789
dec_nom	-44.219671545597
roll_nom	67.736305754683
revision	2
ontime	17142.999967039
livetime	16919.014051976
ontime3	17142.999967039
ontime5	17142.999967039
ontime6	17139.859006807
ontime7	17142.999967039
ontime8	17142.999967039
l2events	251351



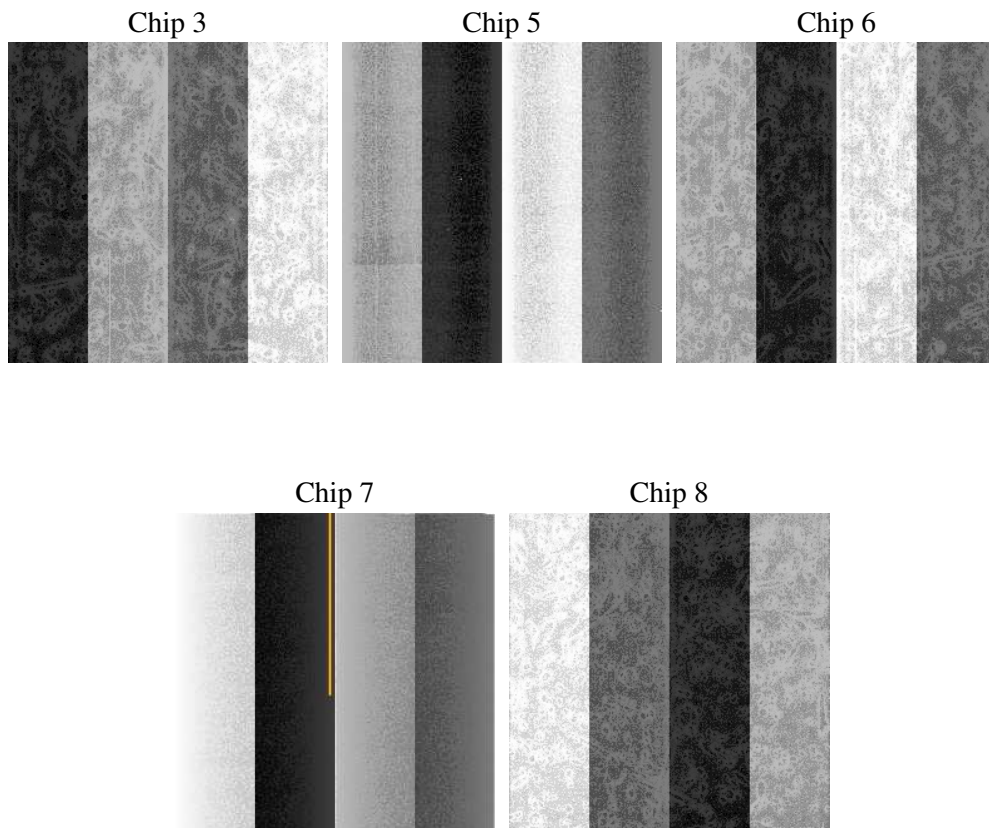
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-31T11:11:40
revision	2

sched_exp_time	17000.000000
ontime	17724.665400907
ontime3	17611.591489881
ontime5	17724.665400907
ontime6	17627.296659976
ontime7	17724.665400907
ontime8	17630.437620193
l1events	694273

2.1.4 Events

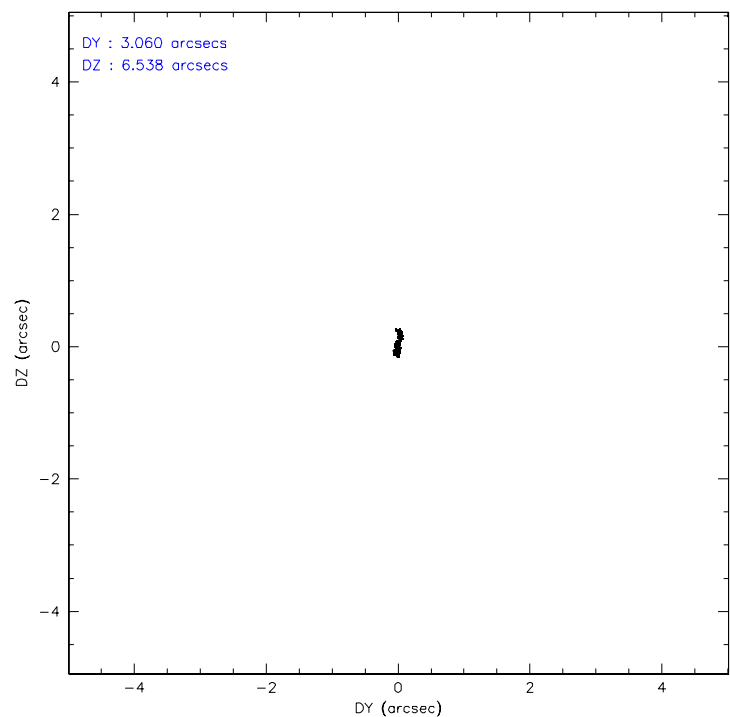
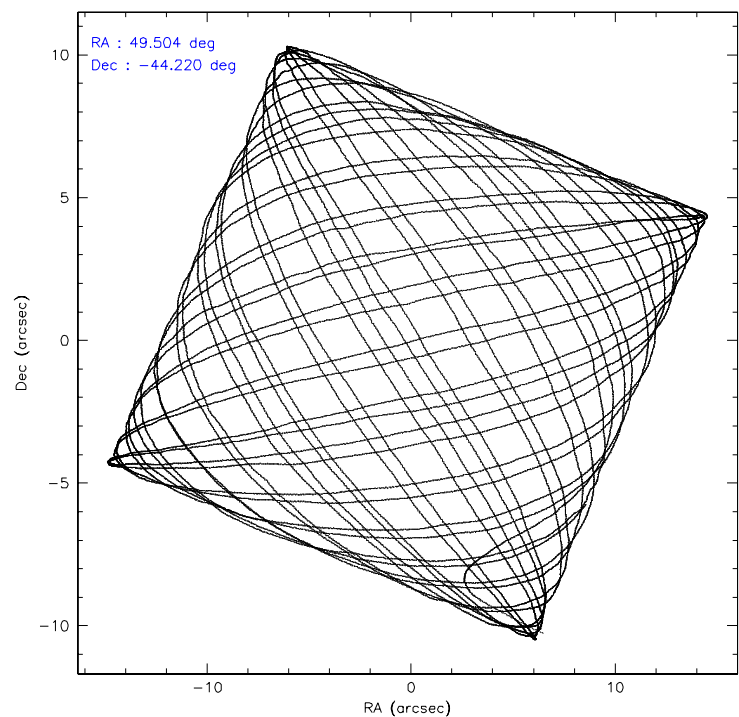
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	98148	133043	107025	222687	133370
rejected events	88936	69089	91562	62846	99375
rejected %	90%	51%	85%	28%	74%

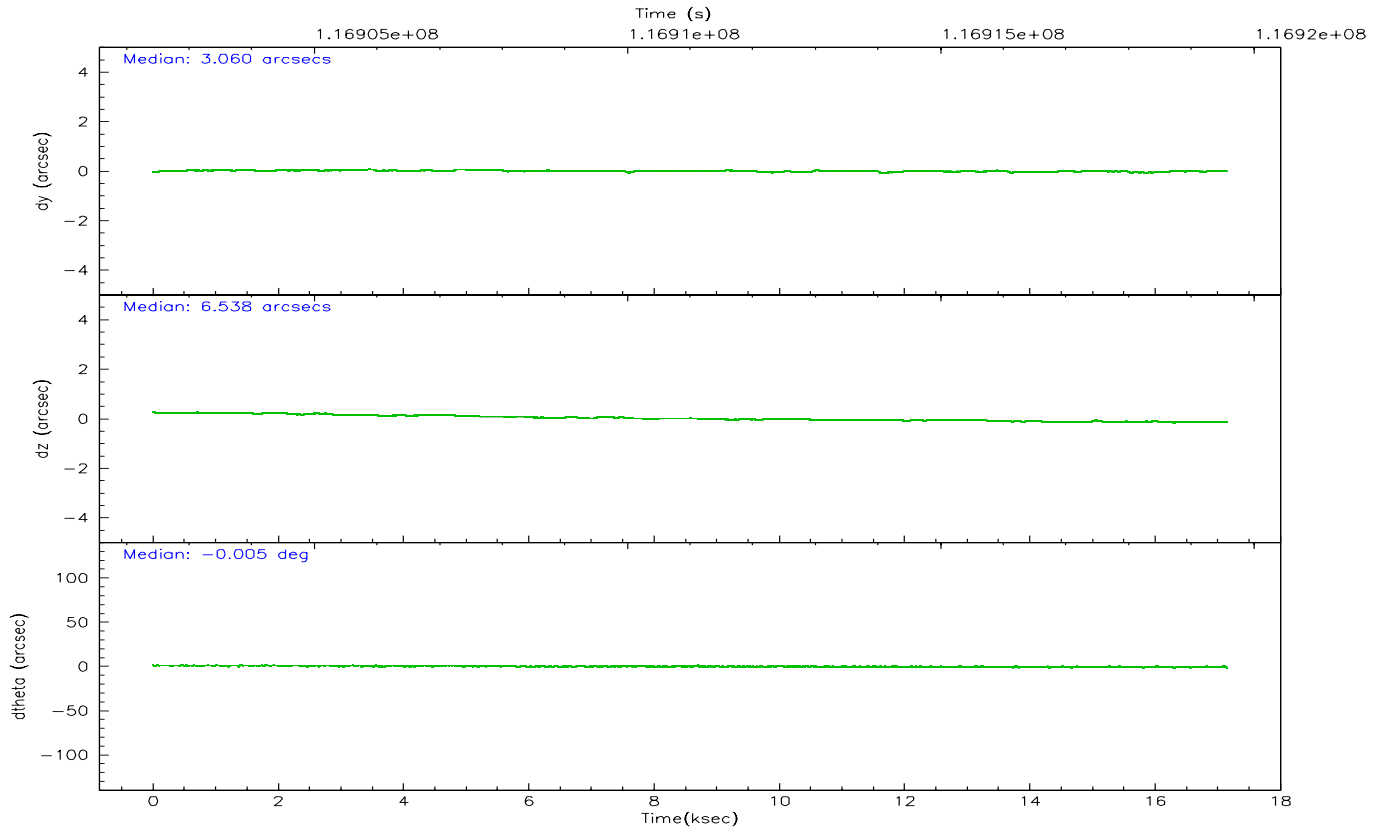
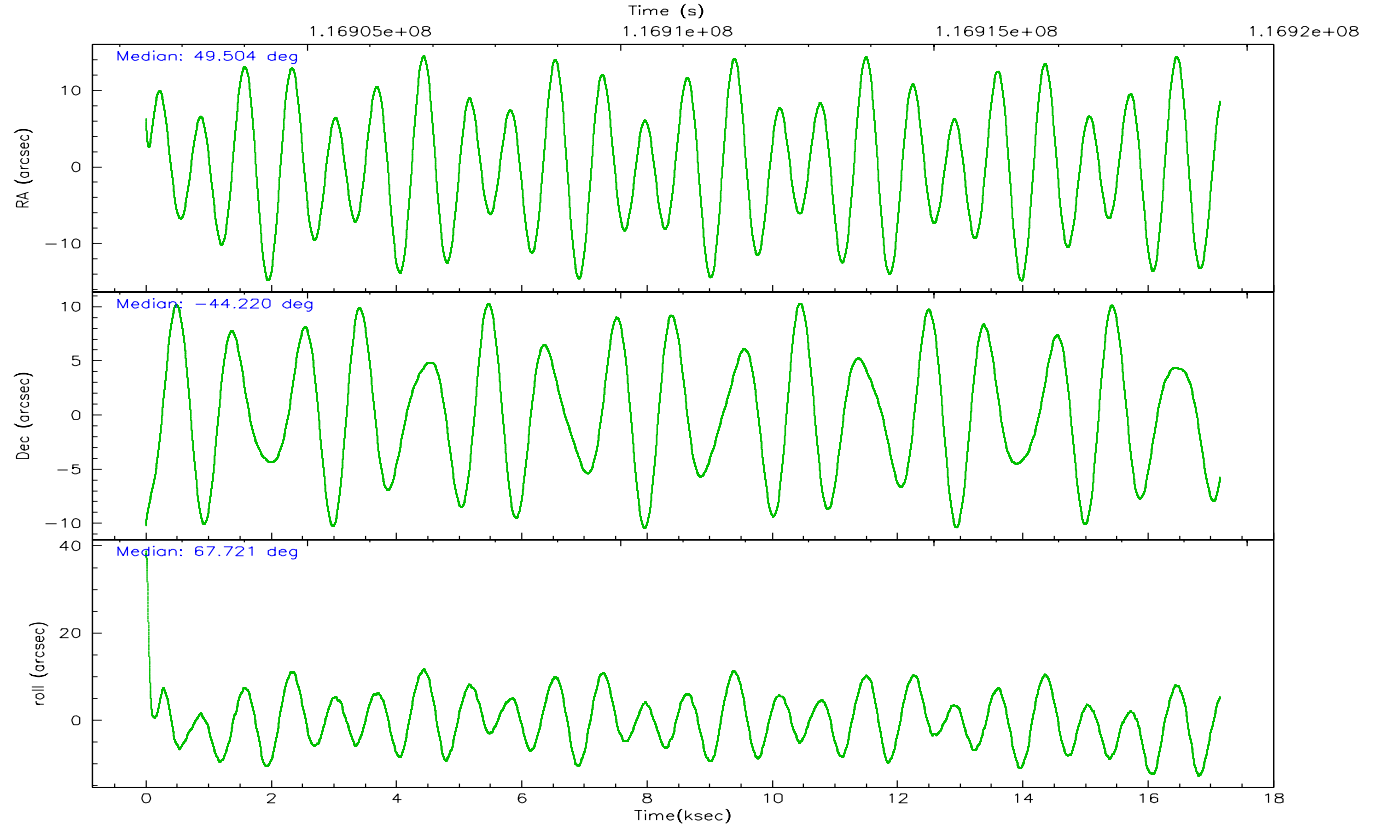
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3873	6286	8437	39826	13026
	3%	4%	7%	17%	9%
grade 1 events	48	67	67	108	104
	0%	0%	0%	0%	0%
grade 2 events	1817	20971	2632	42844	6424
	1%	15%	2%	19%	4%
grade 3 events	1052	1930	1301	15733	4029
	1%	1%	1%	7%	3%
grade 4 events	977	2021	1241	15441	3776
	0%	1%	1%	6%	2%
grade 5 events	3258	6985	3622	8852	5006
	3%	5%	3%	3%	3%
grade 6 events	1728	35120	2179	48863	7575
	1%	26%	2%	21%	5%
grade 7 events	85395	59663	87546	51020	93430
	87%	44%	81%	22%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	49.509224	49.50367310078914	Subarray requested	NONE	NONE
Pointing Dec	-44.246636	-44.219671545597	Alternating exposures requested	N	N
Pointing Roll	67.583518	67.73630575468283	Primary exposure time	0.000000	3.1
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	116902575.184000	116901298.72754			
Observation start date	2001-09-15T00:55:11	2001-09-15T00:34:58			
Observation end time	116919575.184000	116919999.34078			
Observation end date	2001-09-15T05:38:31	2001-09-15T05:46:39			
Read mode	TIMED	TIMED			

2.3 Aspect



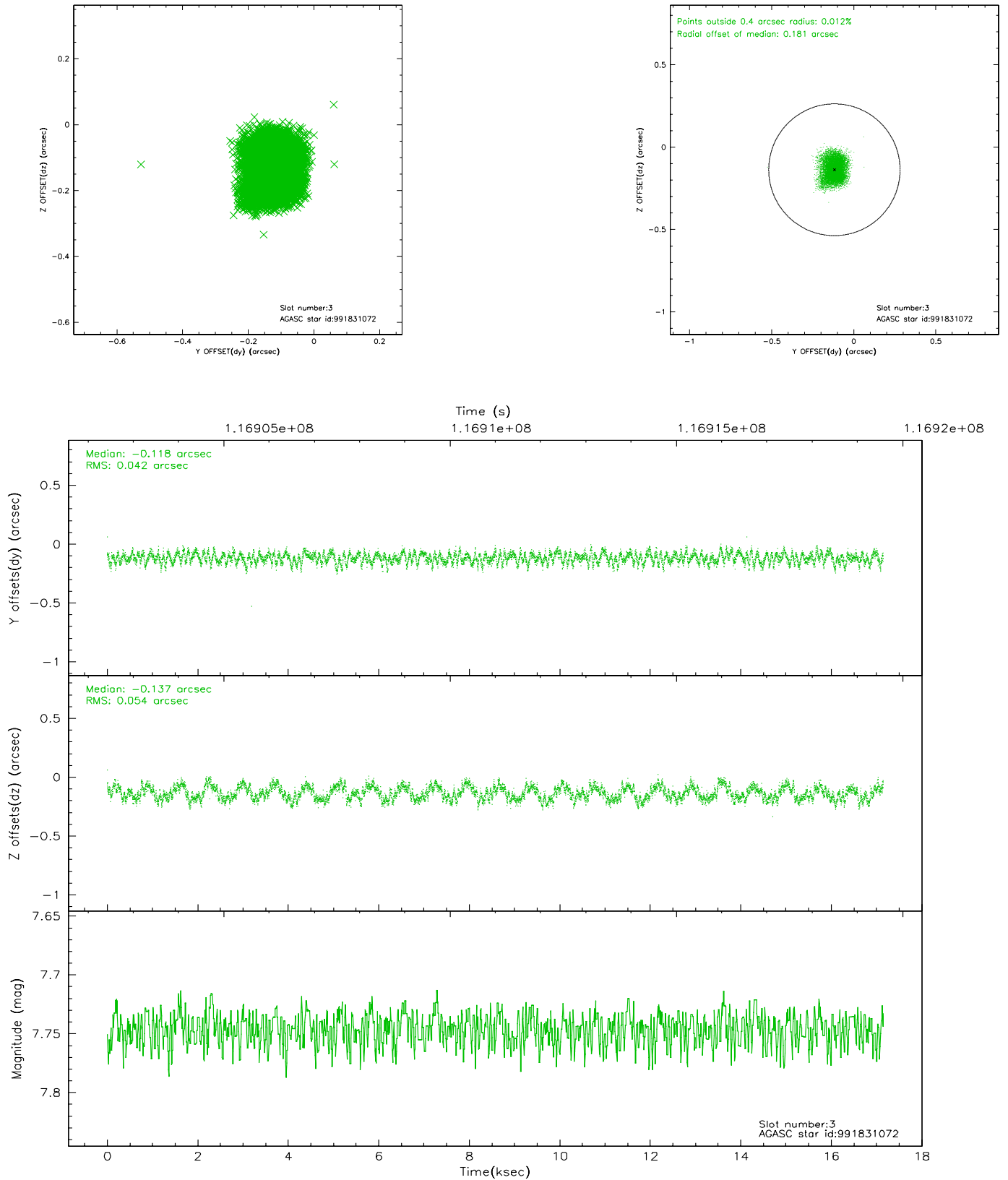


Slot Statistics

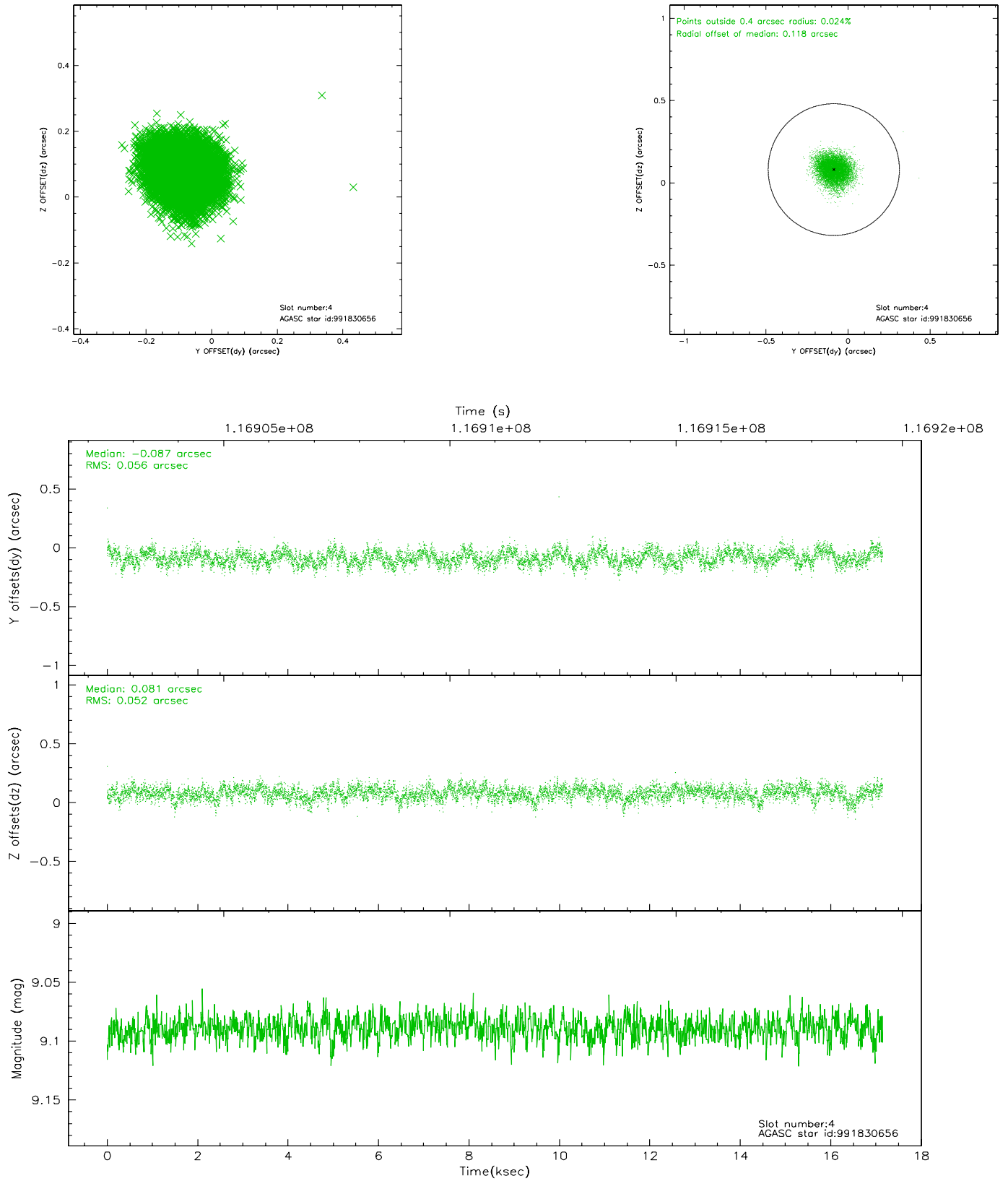
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4184	-0.005	0.036	0.009	0.015	0.000000	0.000000	-755.68	-1727.70
1	FID	ACIS-S-4	7.20	4184	-0.082	-0.007	0.007	0.012	0.000000	0.000000	2157.38	180.53
2	FID	ACIS-S-5	7.24	4184	0.056	-0.019	0.007	0.011	0.000000	0.000000	-1808.18	174.41
3	GUIDE	991831072	7.75	8366	-0.118	-0.137	0.074	0.114	48.737752	-44.120462	-349.52	2012.73
4	GUIDE	991830656	9.09	8367	-0.087	0.081	0.081	0.130	49.908080	-44.245128	395.18	-949.07
5	GUIDE	991830952	9.40	8365	0.023	-0.077	0.086	0.141	49.257291	-44.425398	-842.71	352.83
6	GUIDE	991825280	10.14	8294	0.077	0.189	0.132	0.211	49.472332	-44.701981	-1551.15	-537.75
7	GUIDE	991828952	10.12	8363	0.105	-0.053	0.118	0.195	49.103151	-44.358377	-772.99	811.78

2.4 Star Slots

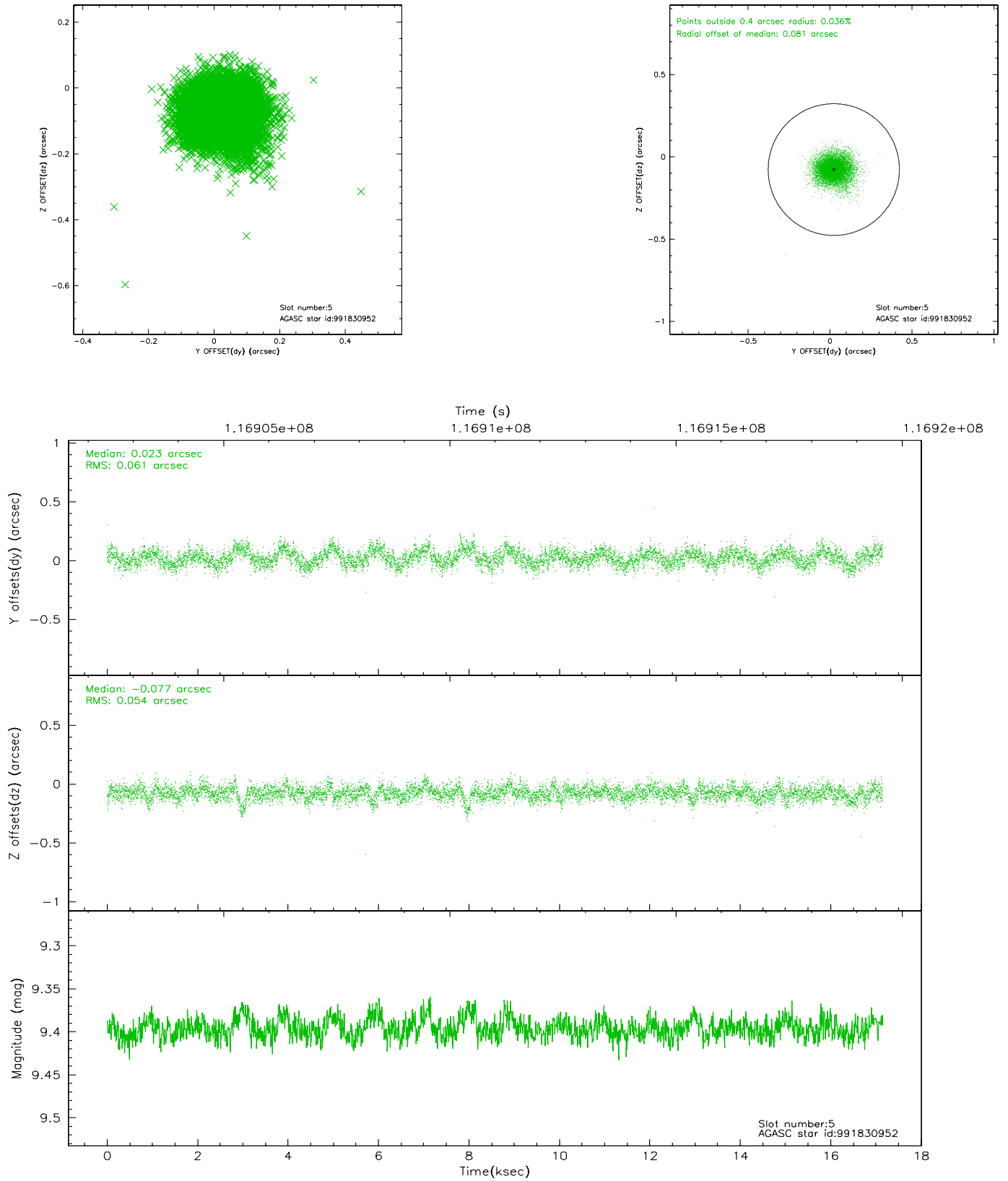
2.4.1 Slot 3



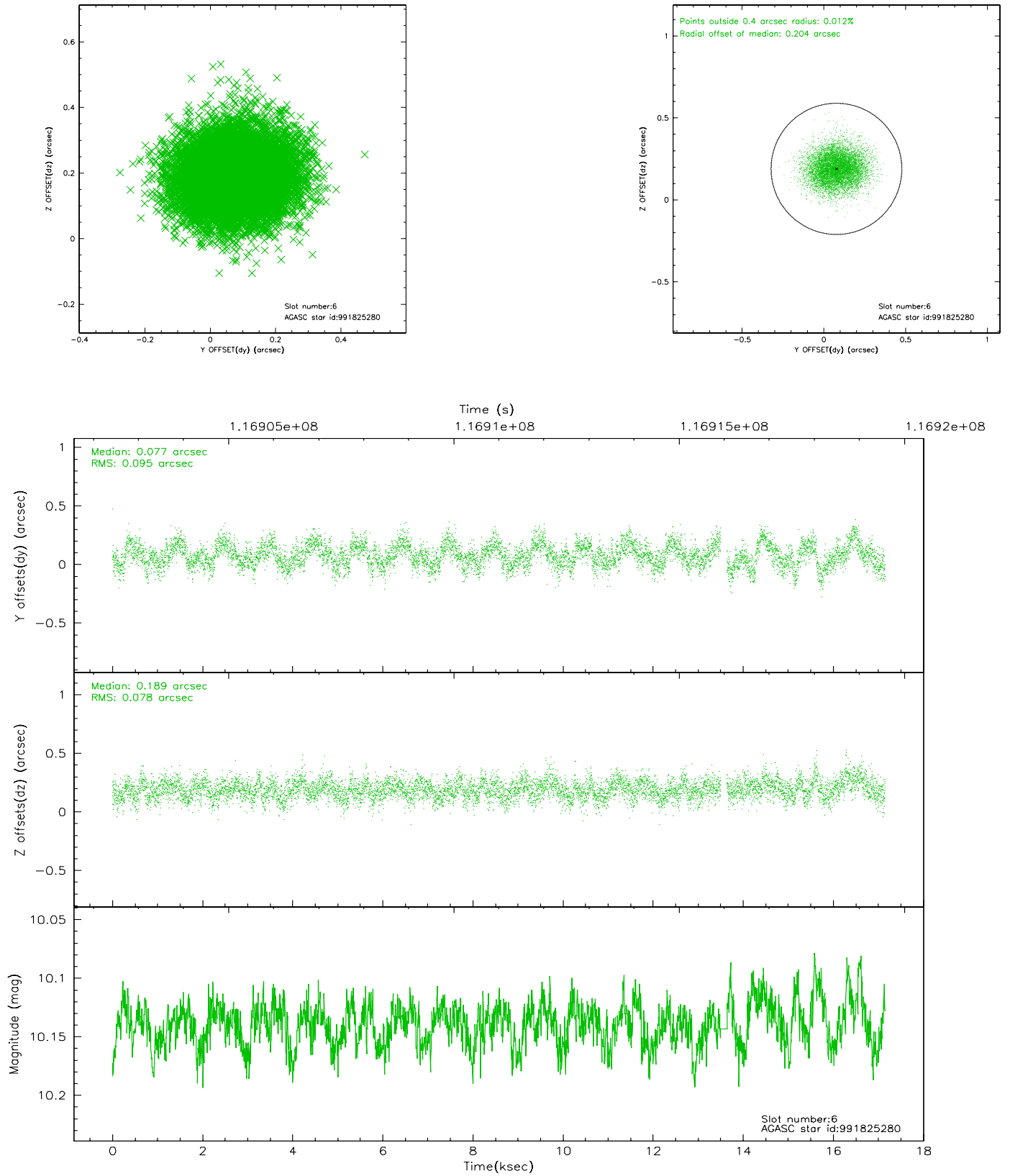
2.4.2 Slot 4



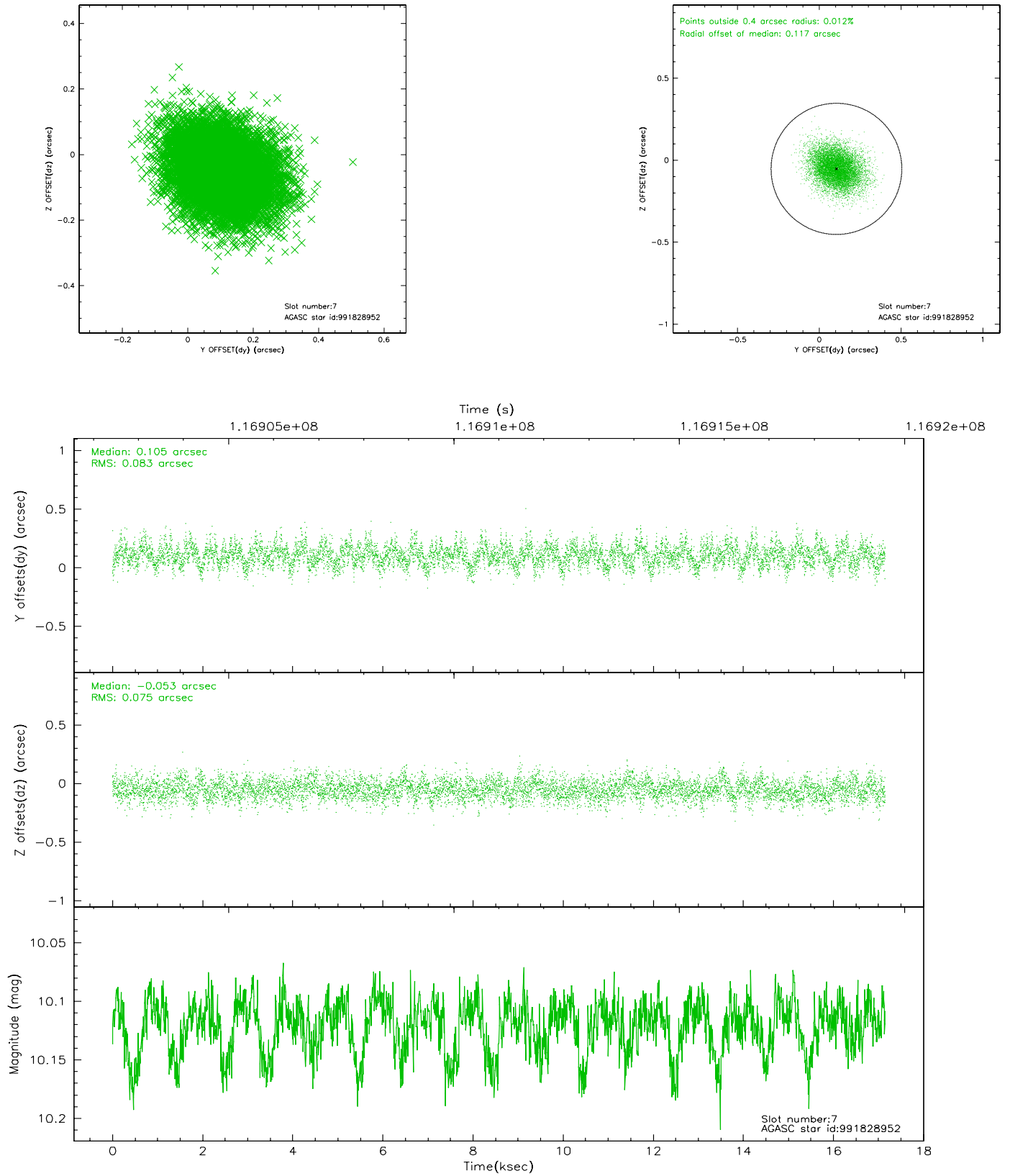
2.4.3 Slot 5



2.4.4 Slot 6

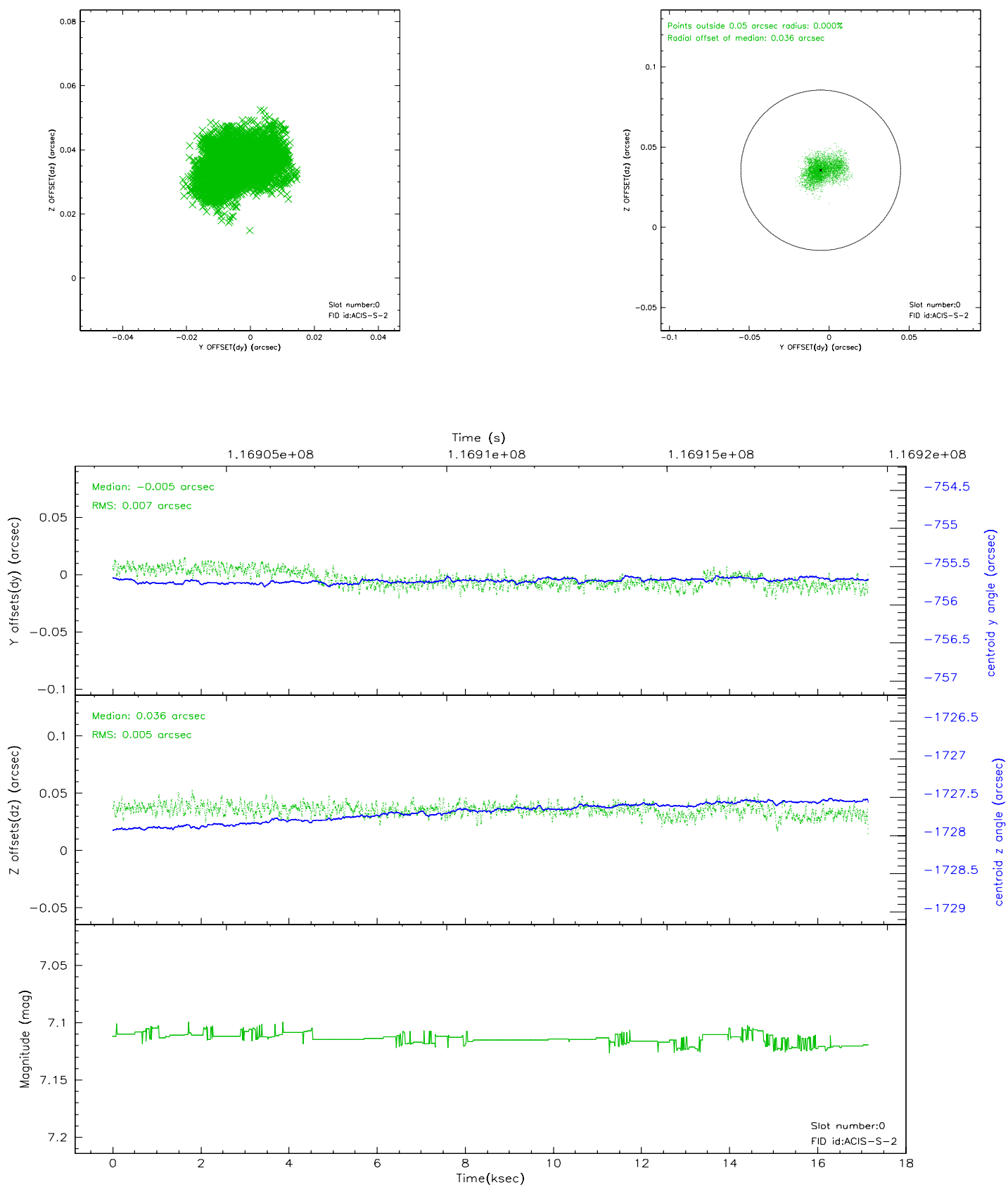


2.4.5 Slot 7

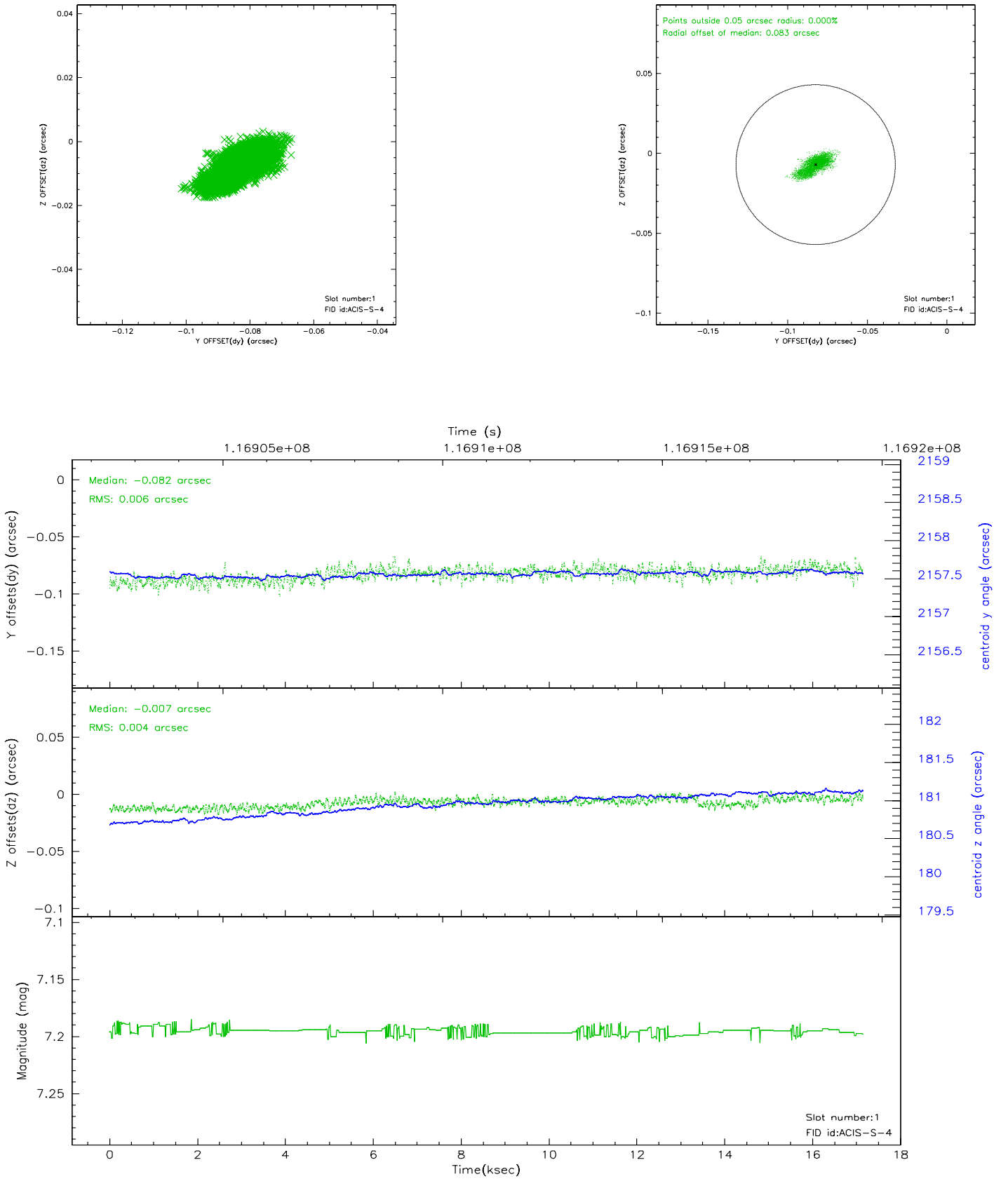


2.5 FID Slots

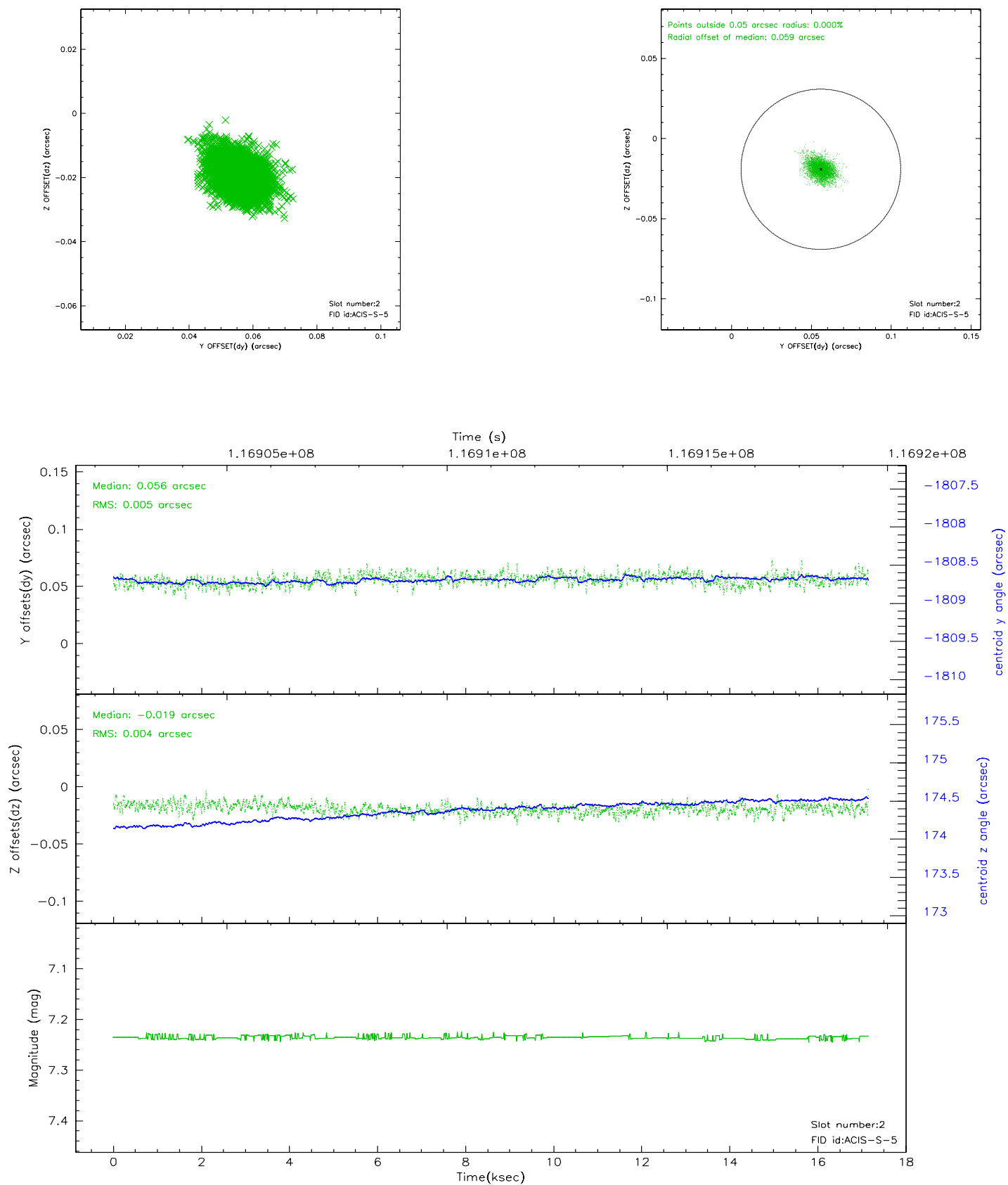
2.5.1 Slot 0



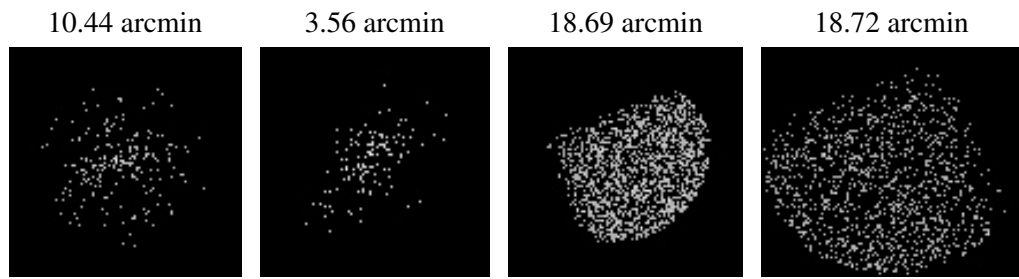
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.142

A.2 Comments