

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1638 - L2 Version 001
Chandra X-Ray Center

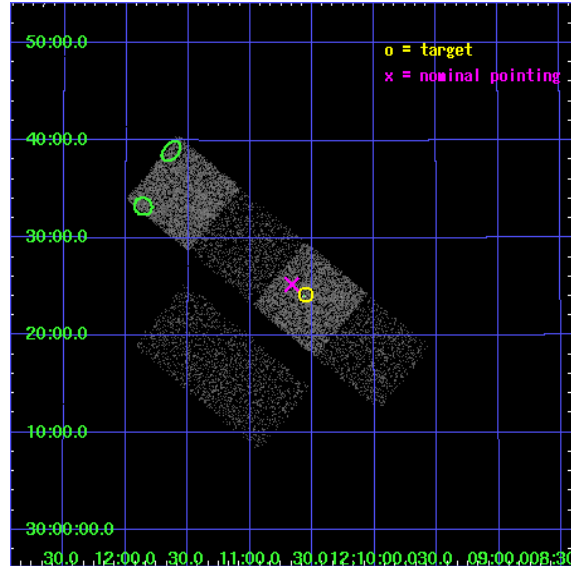
L2 Processing Date : Jun 14 2007

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1 Front

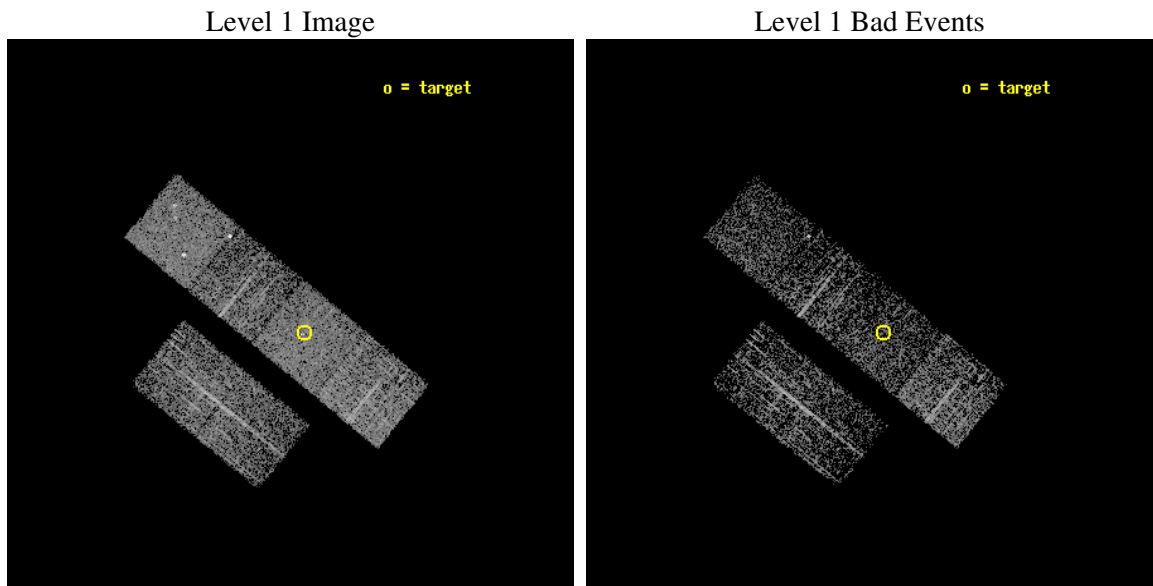
seq_num	700254
obs_id	1638
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES
observer	Prof. Gordon Garmire
object	NGC 4150
dtcycle	0
cycle	P
ra_targ	182.638333
dec_targ	30.403556
ra_nom	182.66601197825
dec_nom	30.420818720354
roll_nom	39.350472626113
revision	2
ontime	1760.0000016391
livetime	1737.7138218736
ontime2	1760.0000016391
ontime3	1760.0000016391
ontime5	1760.0000016391
ontime6	1760.0000016391
ontime7	1760.0000016391
ontime8	1756.7591810077
l2events	16299



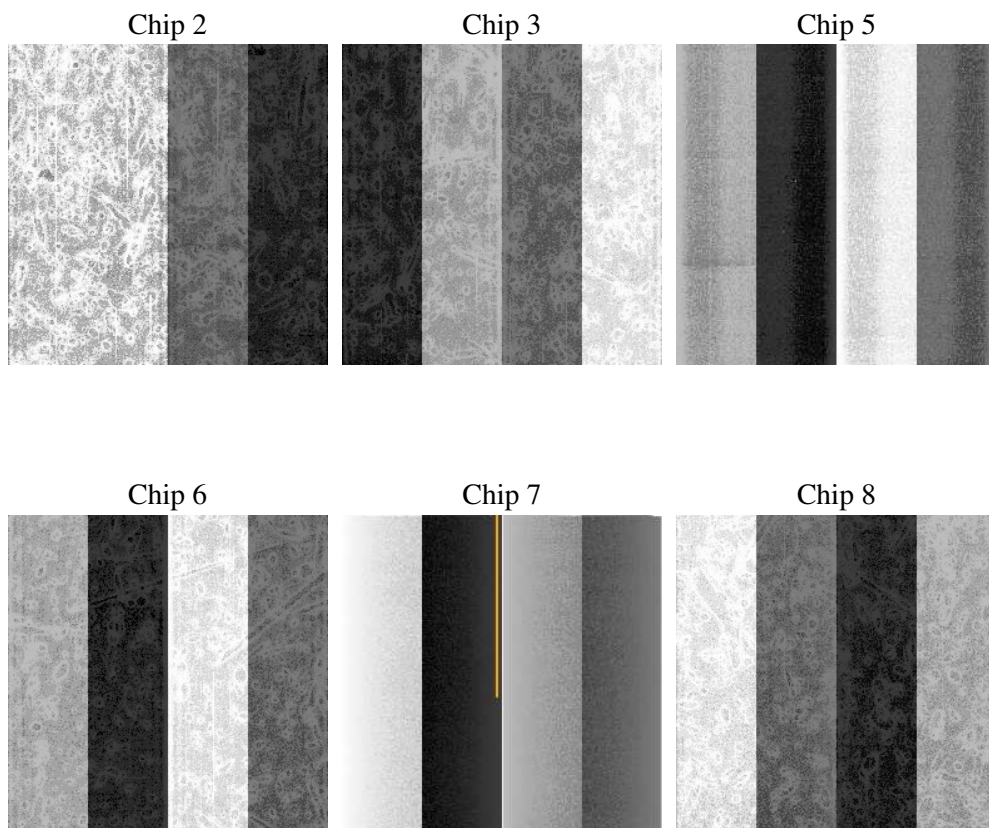
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-14T06:11:51
revision	2

sched_exp_time	2000.000000
ontime	1760.0000016391
ontime2	1760.0000016391
ontime3	1760.0000016391
ontime5	1760.0000016391
ontime6	1760.0000016391
ontime7	1760.0000016391
ontime8	1756.7591810077
l1events	75852

2.1.4 Events

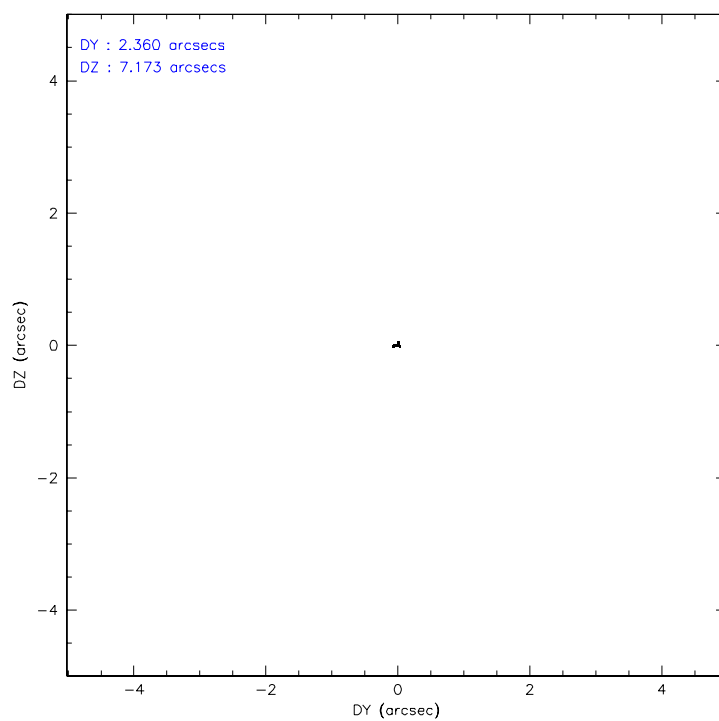
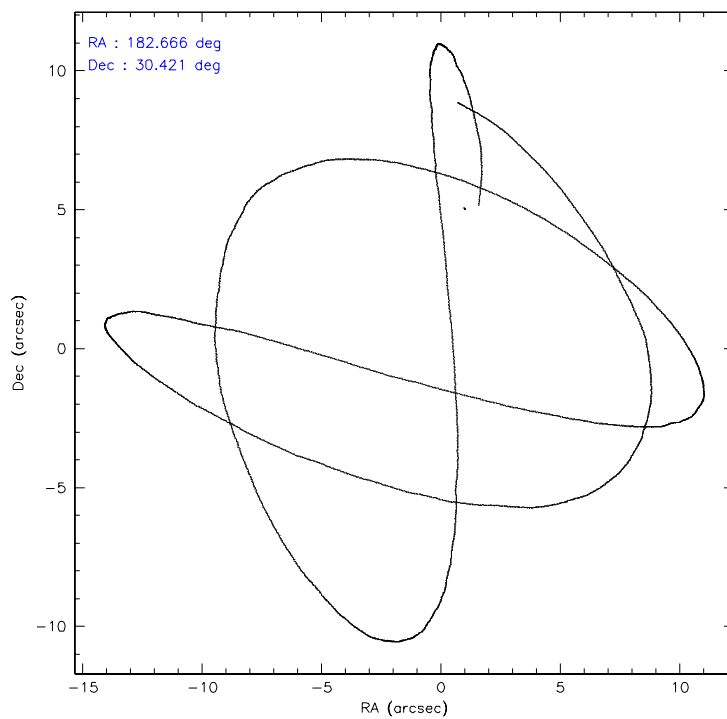
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11528	9914	14636	10279	13515	15980
rejected events	10213	8679	7563	8905	7634	13270
rejected %	88%	87%	51%	86%	56%	83%

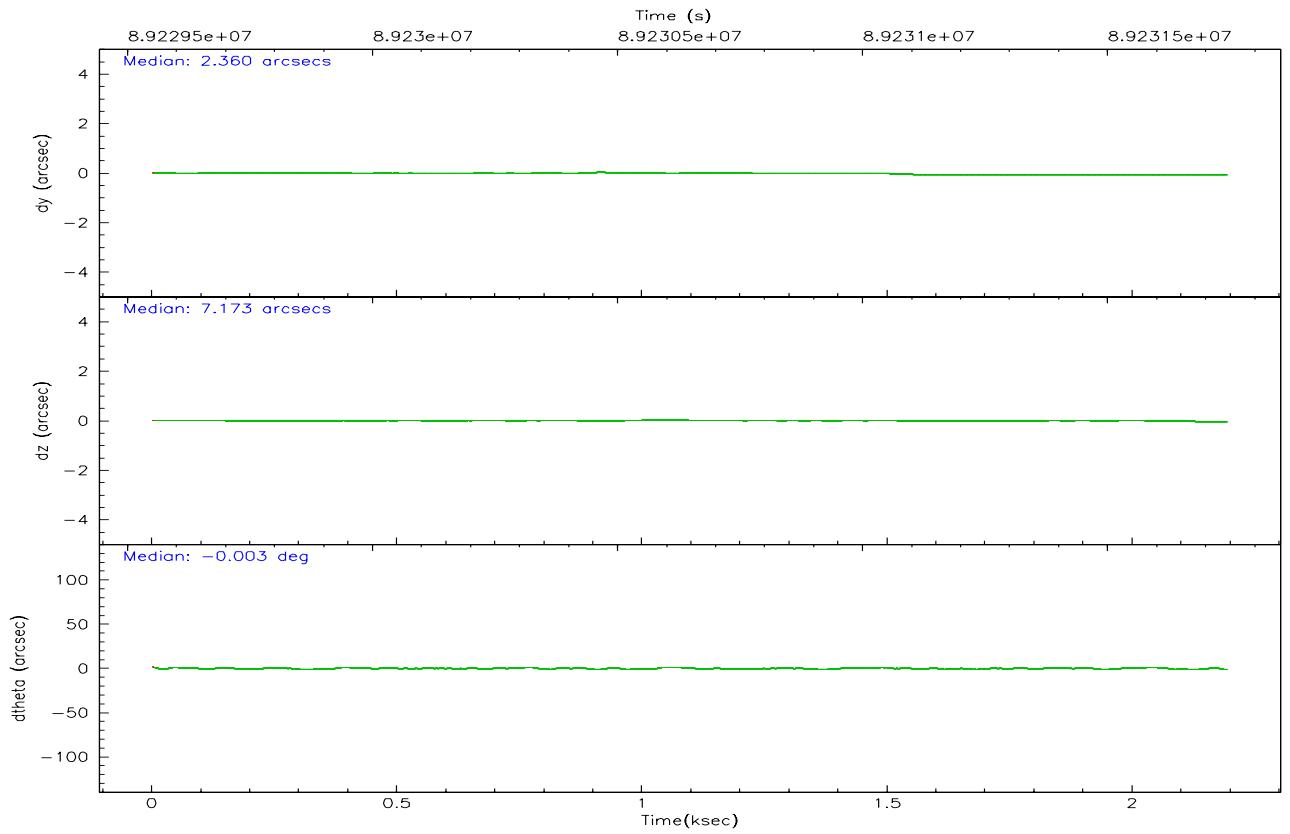
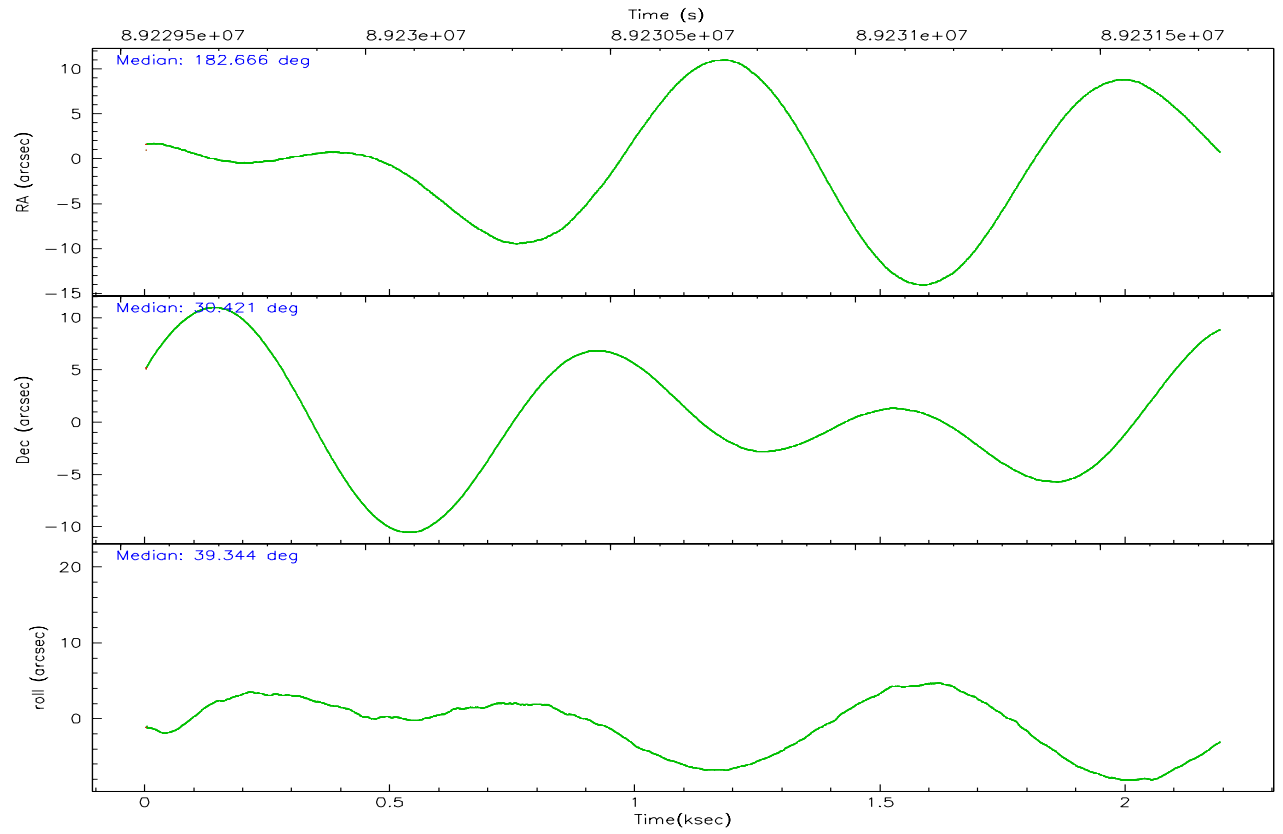
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	582	552	922	606	623	889
	5%	5%	6%	5%	4%	5%
grade 1 events	4	4	65	5	9	14
	0%	0%	0%	0%	0%	0%
grade 2 events	283	250	1956	270	1249	546
	2%	2%	13%	2%	9%	3%
grade 3 events	116	99	319	141	534	270
	1%	0%	2%	1%	3%	1%
grade 4 events	109	125	292	109	571	262
	0%	1%	1%	1%	4%	1%
grade 5 events	358	382	1184	429	1213	500
	3%	3%	8%	4%	8%	3%
grade 6 events	231	210	3606	250	2910	747
	2%	2%	24%	2%	21%	4%
grade 7 events	9845	8292	6292	8469	6406	12752
	85%	83%	42%	82%	47%	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	182.654900	182.6660119782464	Subarray requested	NONE	NONE
Pointing Dec	30.394997	30.4208187203538	Alternating exposures requested	N	N
Pointing Roll	39.199475	39.35047262611283	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	89229748.184000	89229274.25538801			
Observation start date	2000-10-29T18:01:24	2000-10-29T17:54:34			
Observation end time	89231748.184000	89232442.01800799			
Observation end date	2000-10-29T18:34:44	2000-10-29T18:47:22			
Read mode	TIMED	TIMED			

2.3 Aspect



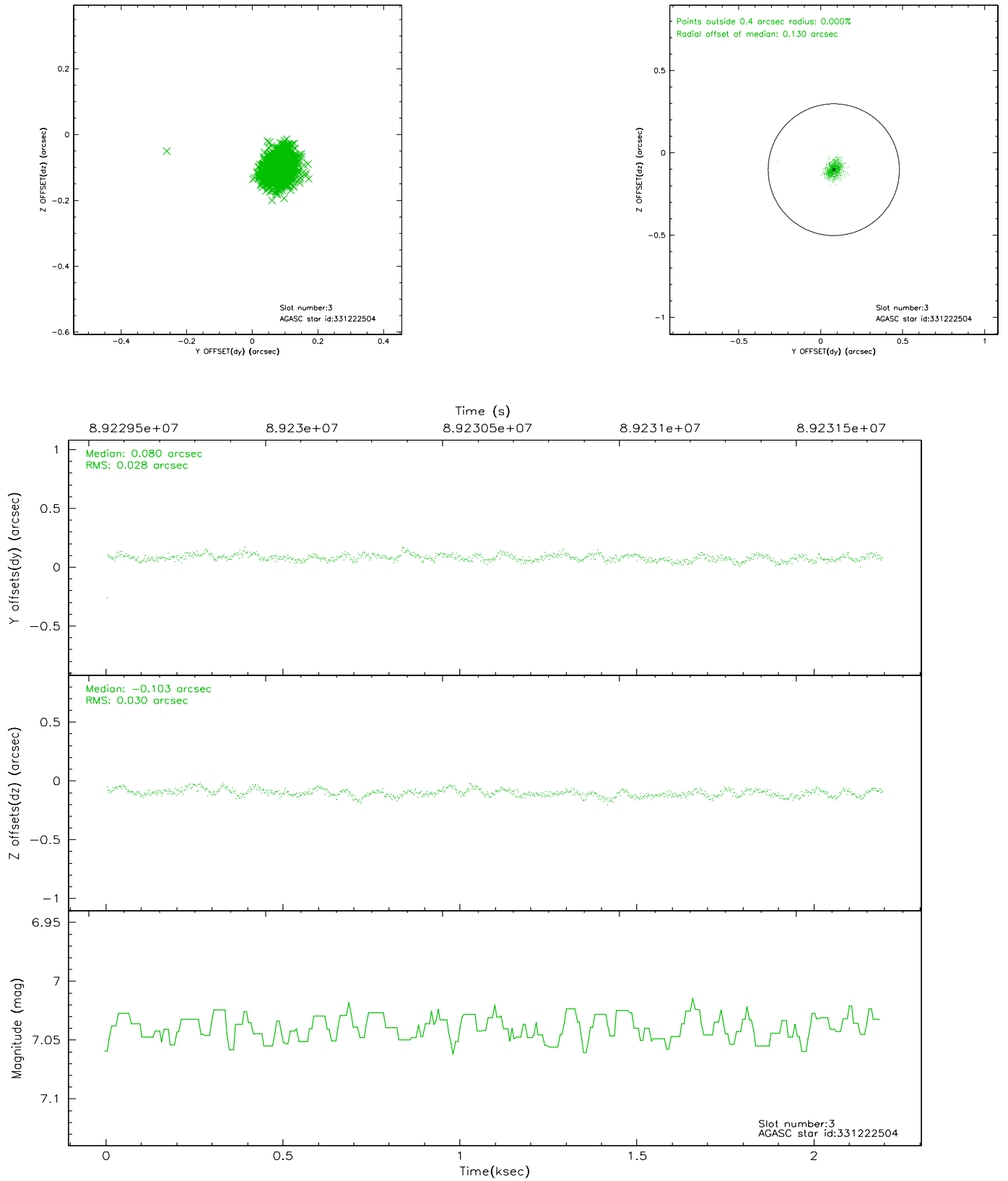


Slot Statistics

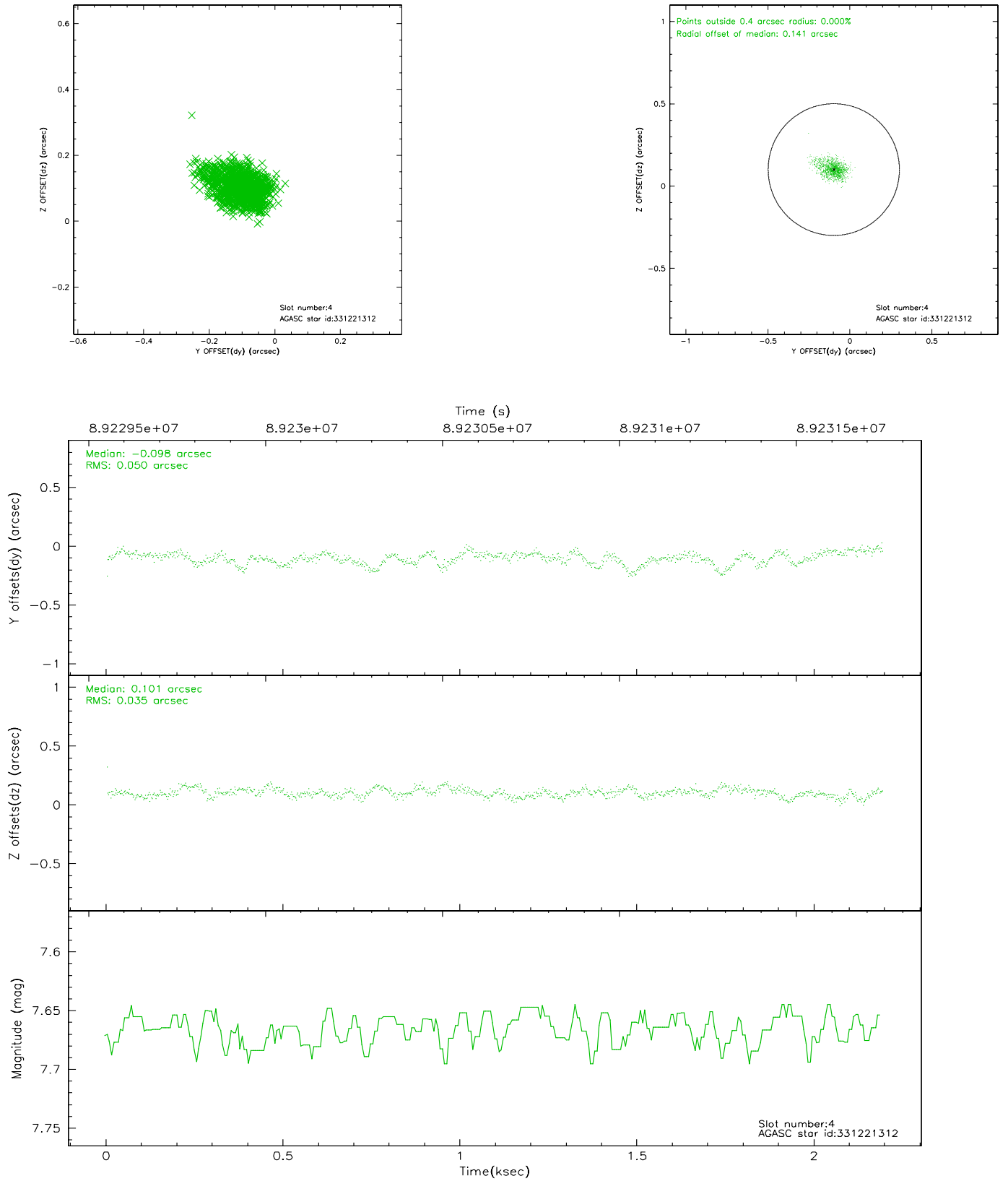
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	535	-0.002	0.020	0.006	0.011	0.000000	0.000000	-754.99	-1728.31
1	FID	ACIS-S-4	7.20	535	-0.076	-0.004	0.004	0.007	0.000000	0.000000	2156.89	177.05
2	FID	ACIS-S-5	7.24	535	0.048	-0.007	0.006	0.010	0.000000	0.000000	-1803.93	174.14
3	GUIDE	331222504	7.04	1070	0.080	-0.103	0.043	0.069	182.064211	30.275360	-1692.75	830.41
4	GUIDE	331221312	7.67	1070	-0.098	0.101	0.062	0.108	183.320402	30.283044	1350.50	-1614.07
5	GUIDE	331224640	7.84	1070	0.110	-0.066	0.103	0.144	181.937429	30.420434	-1662.92	1482.48
6	GUIDE	331220584	8.31	1070	-0.226	0.106	0.067	0.108	183.394357	30.562466	2160.08	-973.94
7	GUIDE	331223656	9.35	1069	0.140	-0.050	0.083	0.133	182.518902	30.395784	-323.57	268.37

2.4 Star Slots

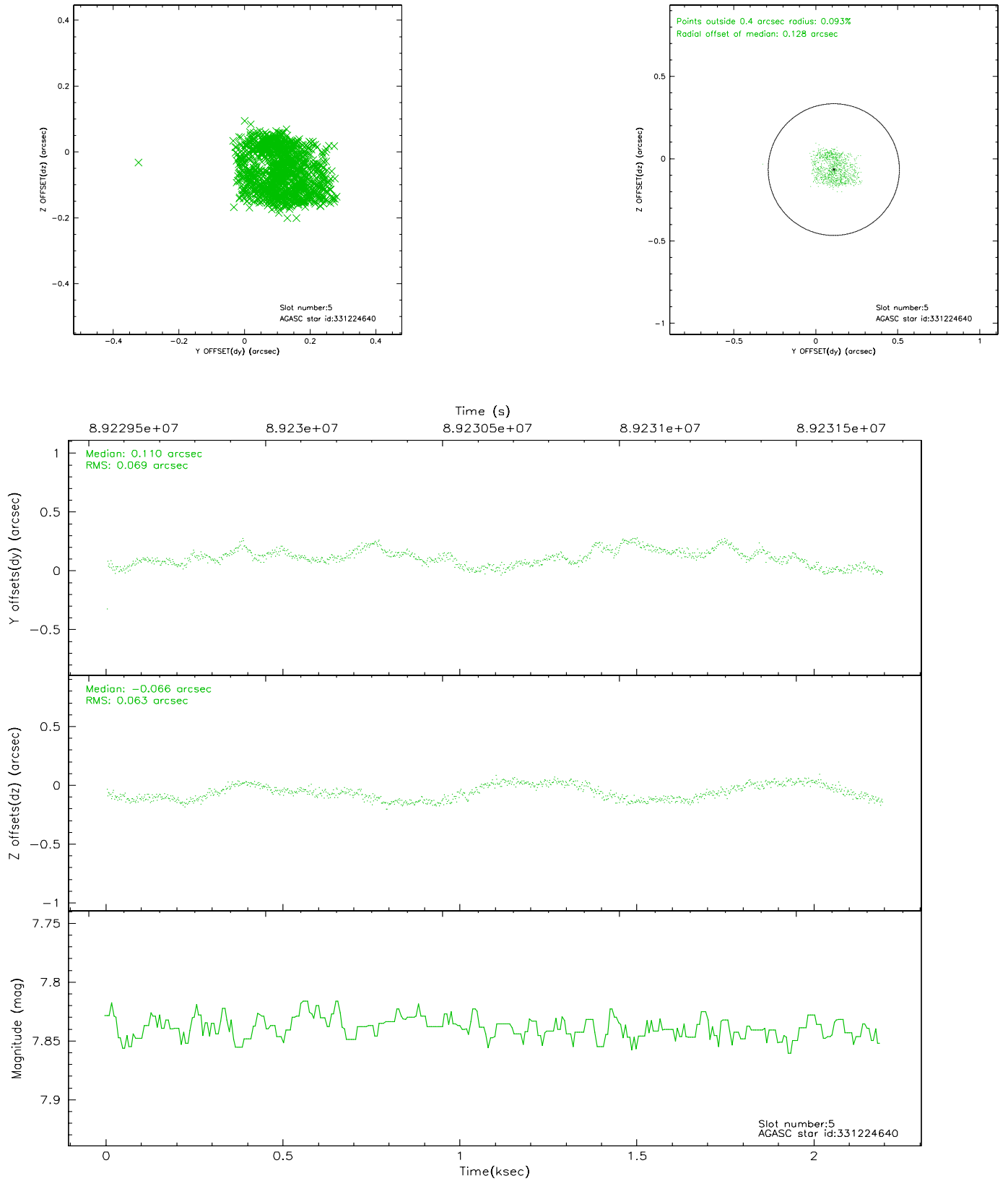
2.4.1 Slot 3



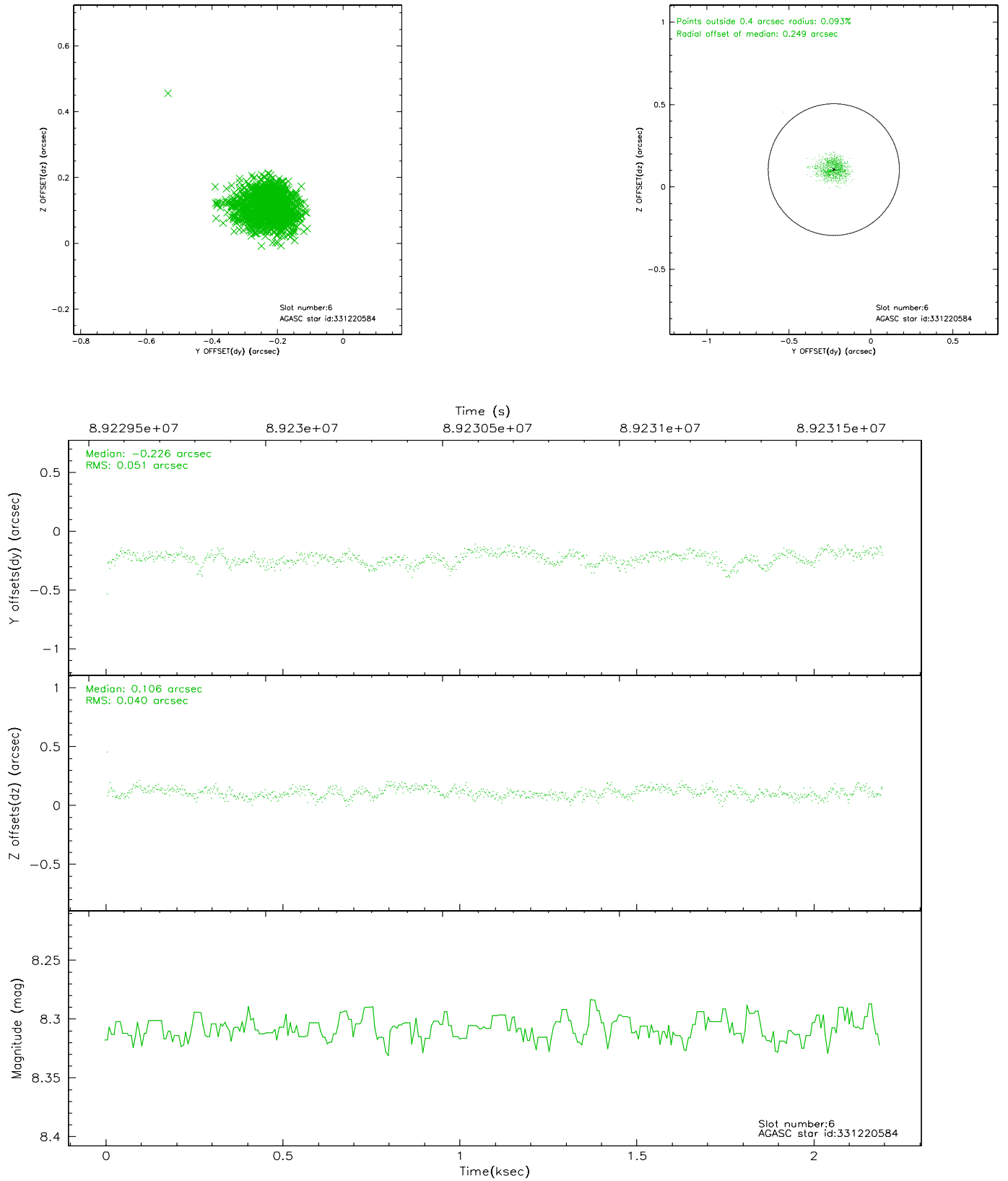
2.4.2 Slot 4



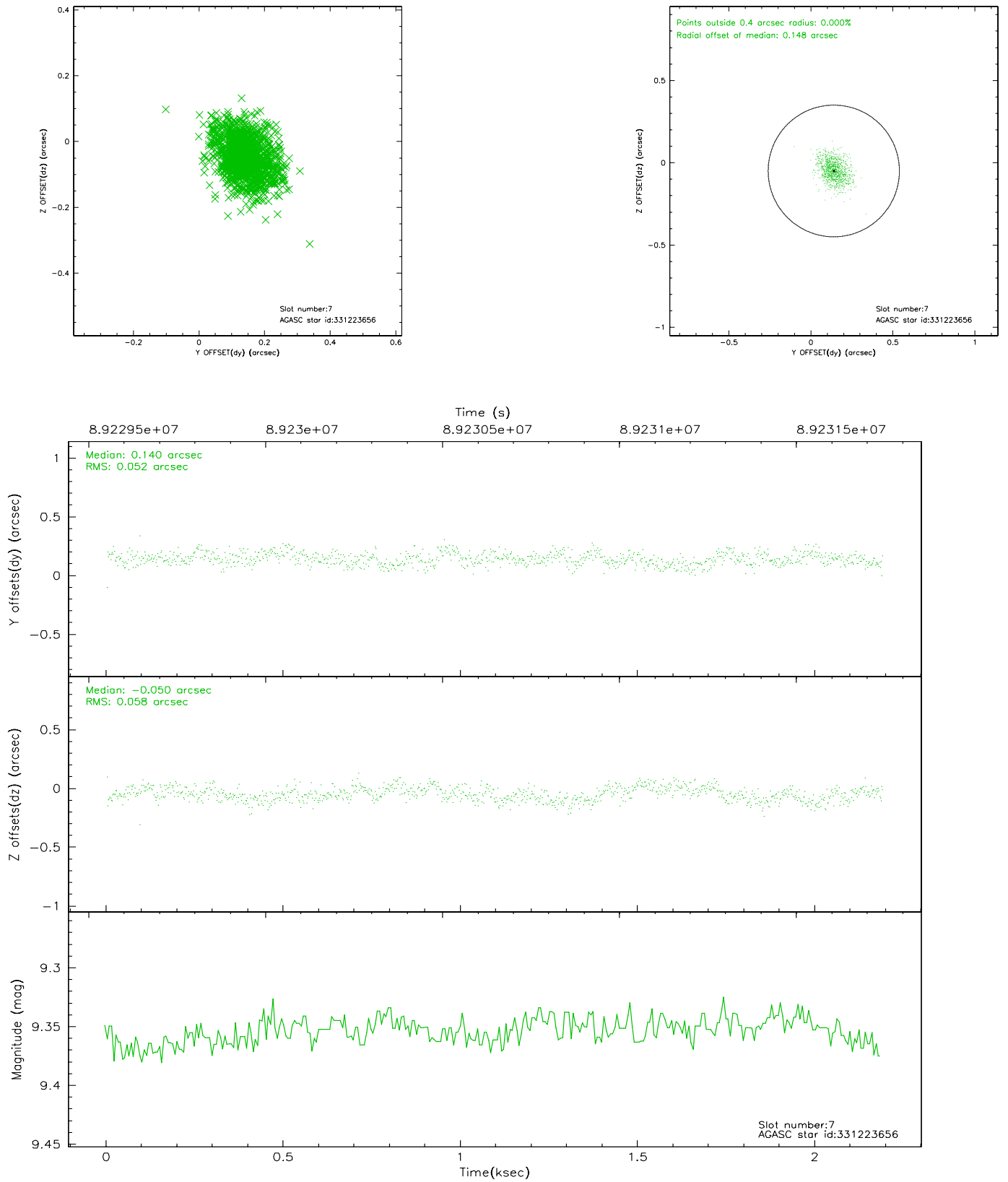
2.4.3 Slot 5



2.4.4 Slot 6

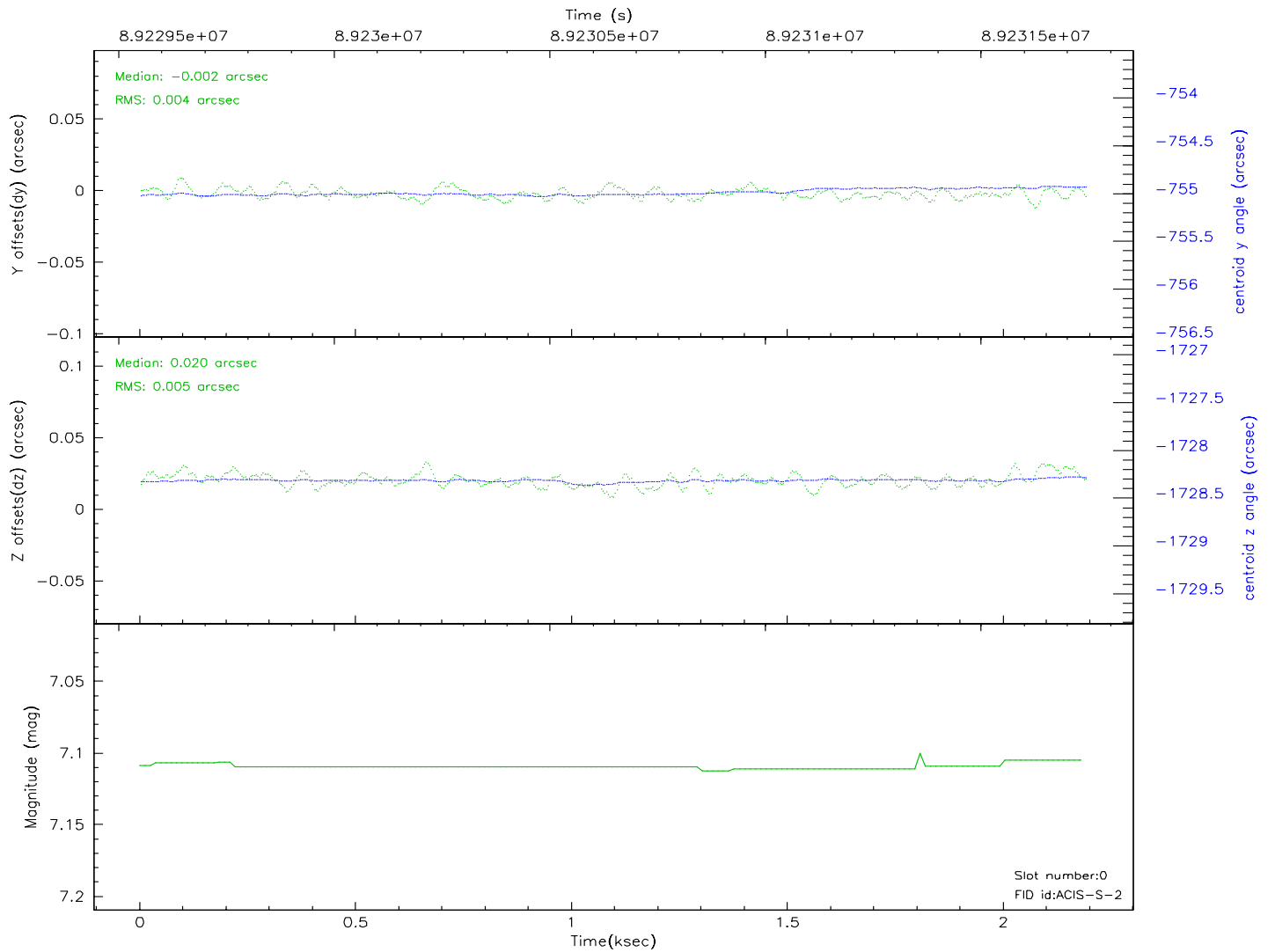
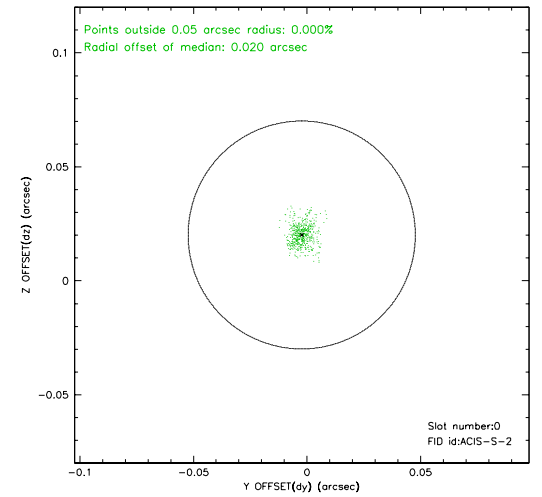
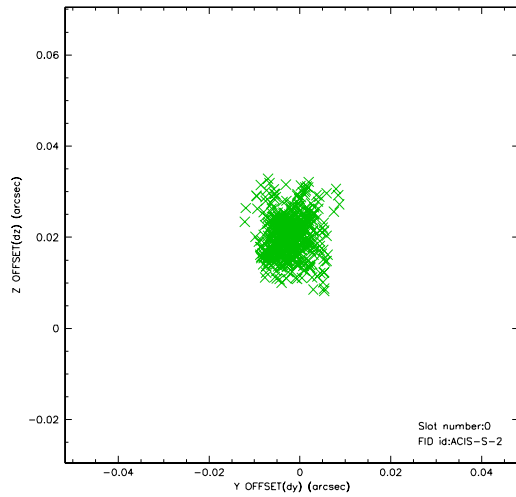


2.4.5 Slot 7

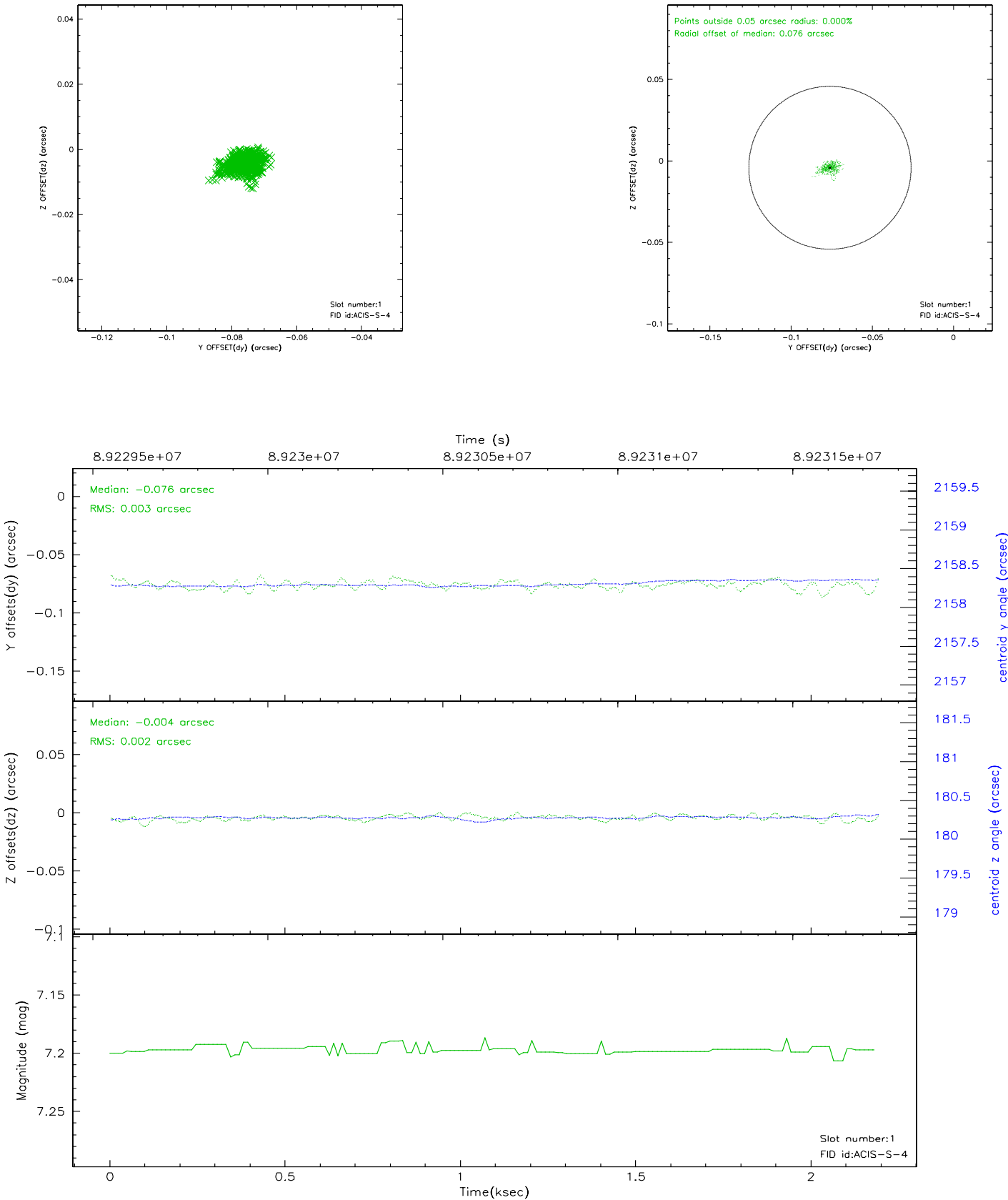


2.5 FID Slots

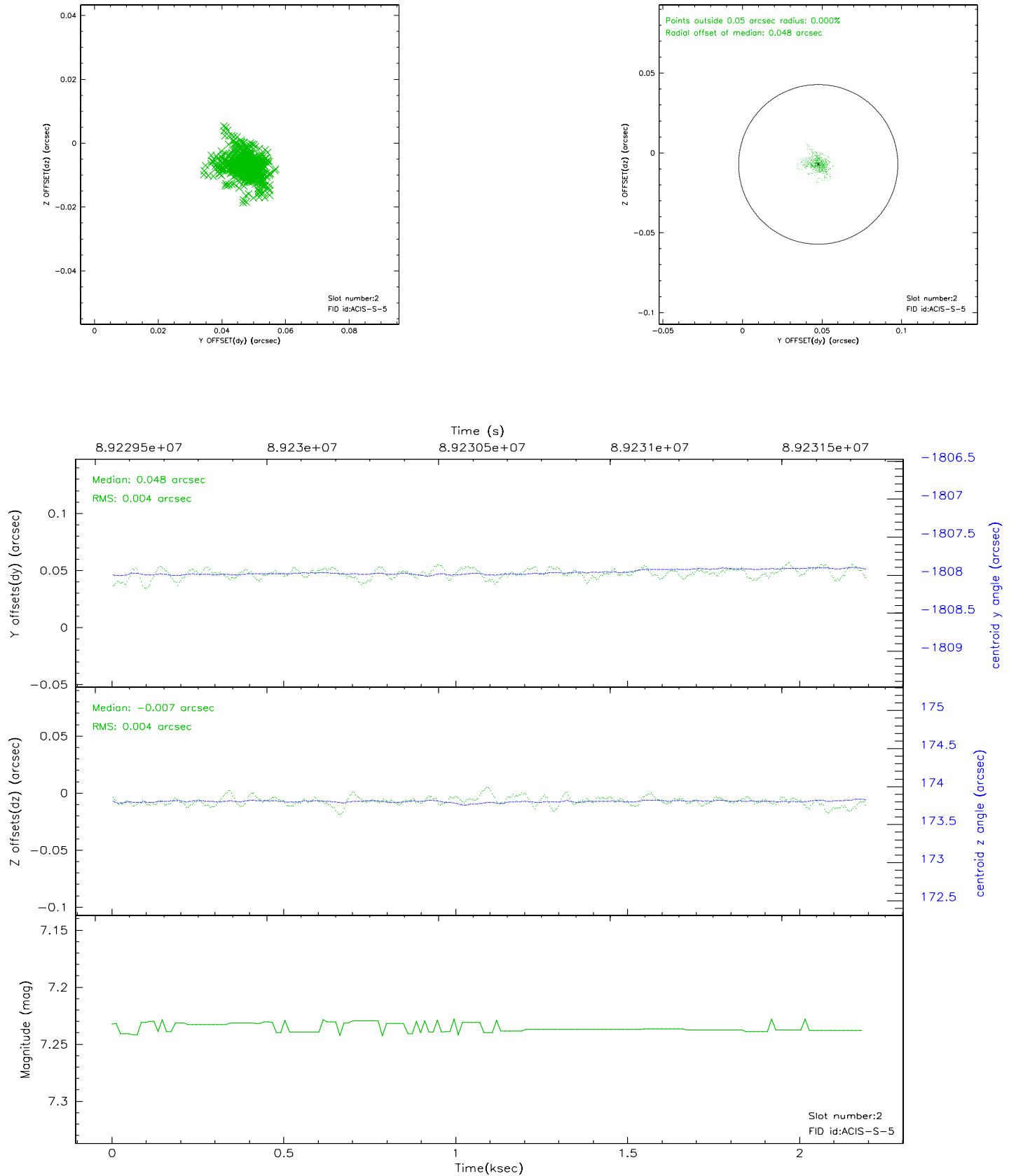
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

18.56 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.76

A.2 Comments