

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1633 - L2 Version 3
Chandra X-Ray Center

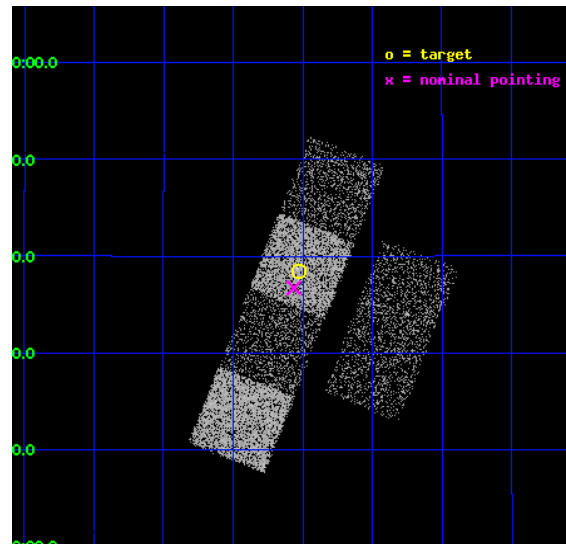
L2 Processing Date : Sep 7 2012

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1 Front

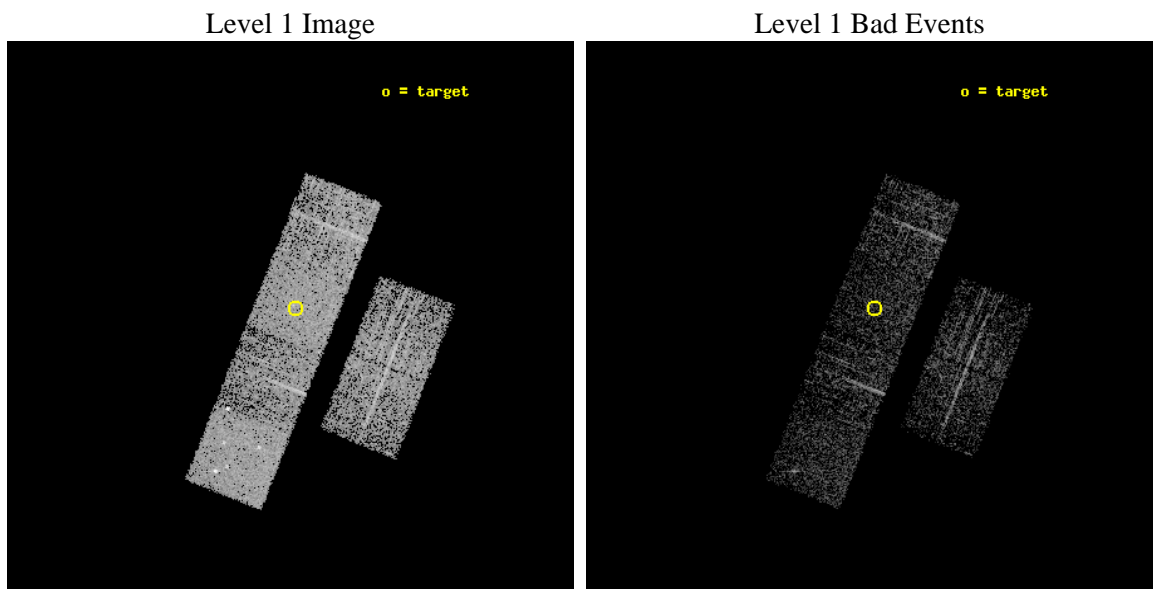
seq_num	700249	Sequence number
obs_id	1633	Observation id
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC 660	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	25.756667	Observer's specified target RA [deg]
dec_targ	13.63975	Observer's specified target Dec [deg]
ra_nom	25.765914110096	Nominal RA [deg]
dec_nom	13.612112971523	Nominal Dec [deg]
roll_nom	291.66822696256	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1939.2000017911	Sum of GTIs [s]
livetime	1914.6446837224	Livetime [s]
ontime2	1939.2000017911	Sum of GTIs [s]
ontime3	1939.2000017911	Sum of GTIs [s]
ontime5	1939.2000017911	Sum of GTIs [s]
ontime6	1939.2000017911	Sum of GTIs [s]
ontime7	1939.2000017911	Sum of GTIs [s]
ontime8	1939.2000017911	Sum of GTIs [s]
l2events	17806	Number of level 2 events



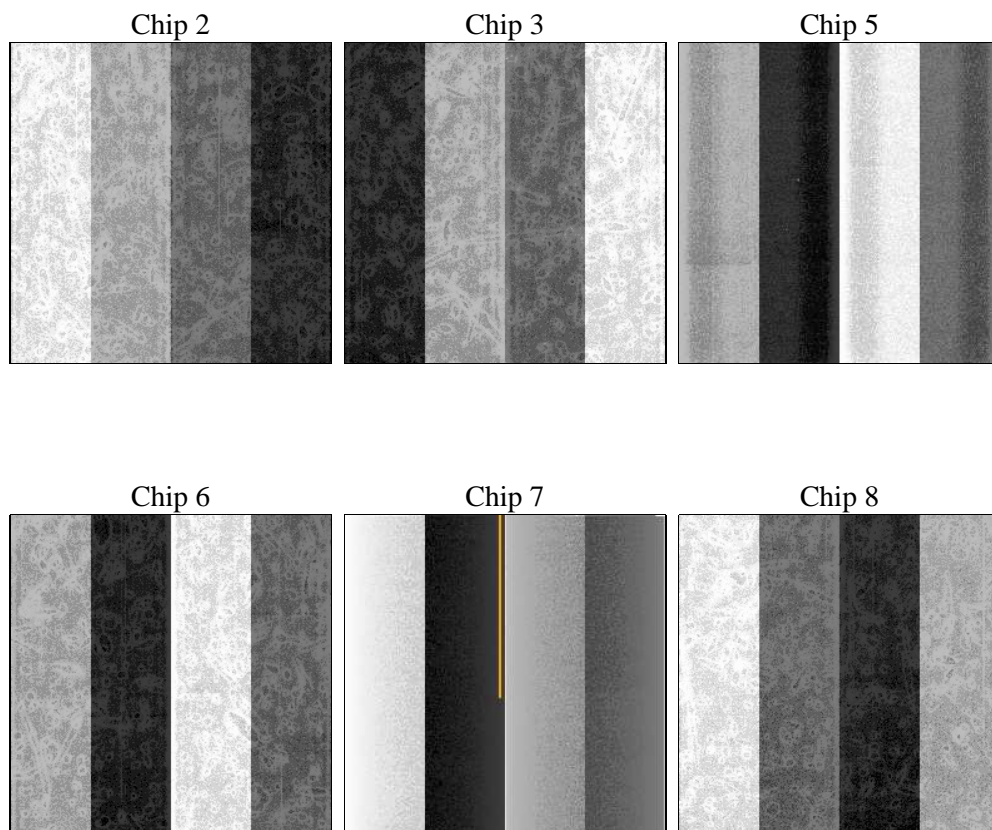
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1939.2000017911	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1939.2000017911	Sum of GTIs [s]
date	2012-09-07T04:43:43	Date and time of file creation	ontime3	1939.2000017911	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1939.2000017911	Sum of GTIs [s]
			ontime6	1939.2000017911	Sum of GTIs [s]
			ontime7	1939.2000017911	Sum of GTIs [s]
			ontime8	1939.2000017911	Sum of GTIs [s]
			l1events	81270	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10693	11679	17241	11174	14873	15610
rejected events	9374	10330	8962	9718	8644	11876
rejected %	87%	88%	51%	86%	58%	76%

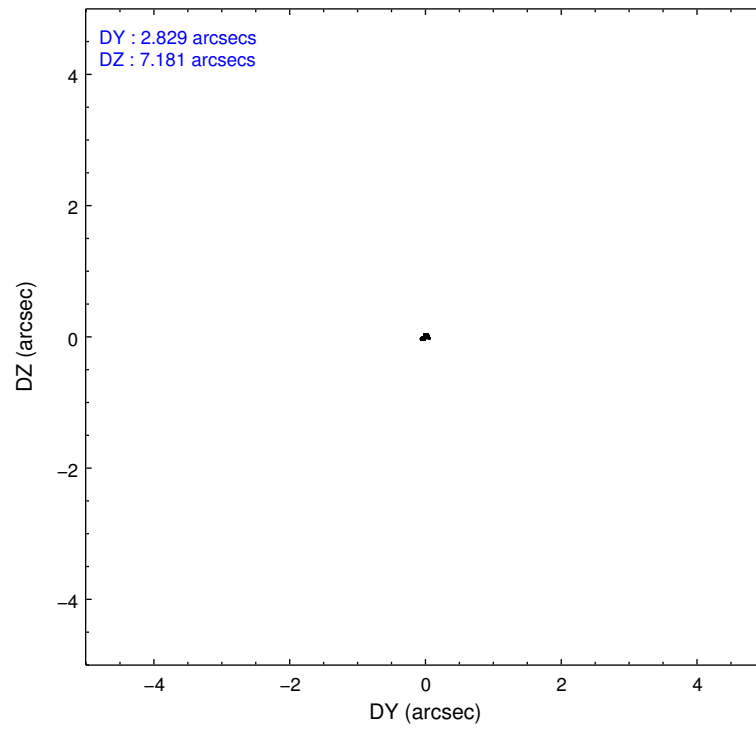
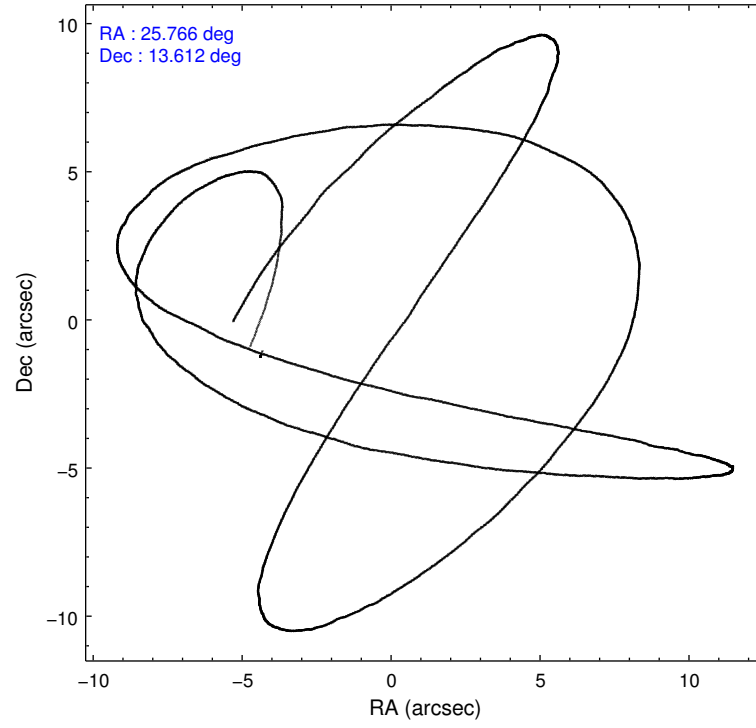
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	567	597	1741	611	659	1293
	5%	5%	10%	5%	4%	8%
grade 1 events	9	2	66	11	18	8
	0%	0%	0%	0%	0%	0%
grade 2 events	309	291	2120	302	1270	709
	2%	2%	12%	2%	8%	4%
grade 3 events	115	105	348	137	587	476
	1%	0%	2%	1%	3%	3%
grade 4 events	123	115	281	139	583	435
	1%	0%	1%	1%	3%	2%
grade 5 events	383	424	1255	487	1393	591
	3%	3%	7%	4%	9%	3%
grade 6 events	205	243	3800	270	3143	824
	1%	2%	22%	2%	21%	5%
grade 7 events	8982	9902	7630	9217	7220	11274
	83%	84%	44%	82%	48%	72%

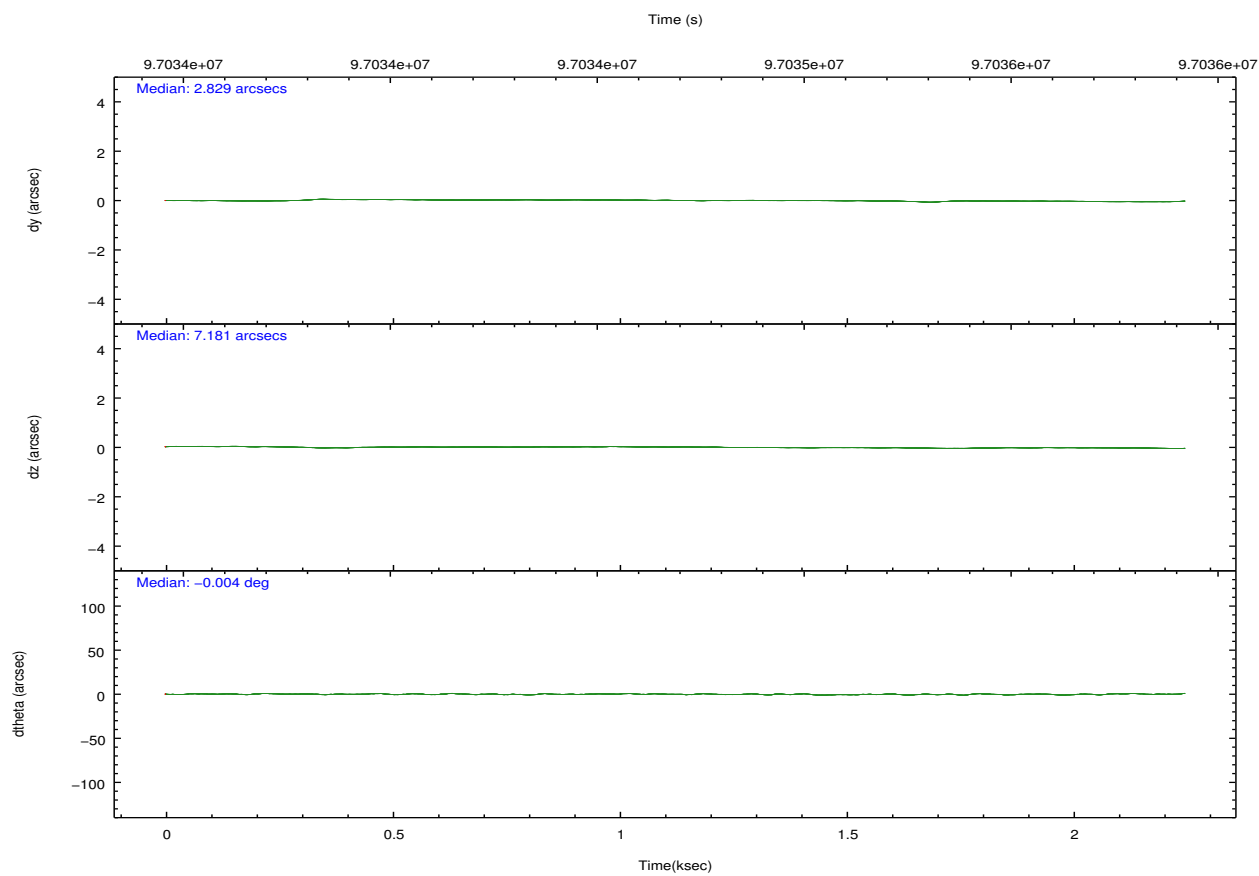
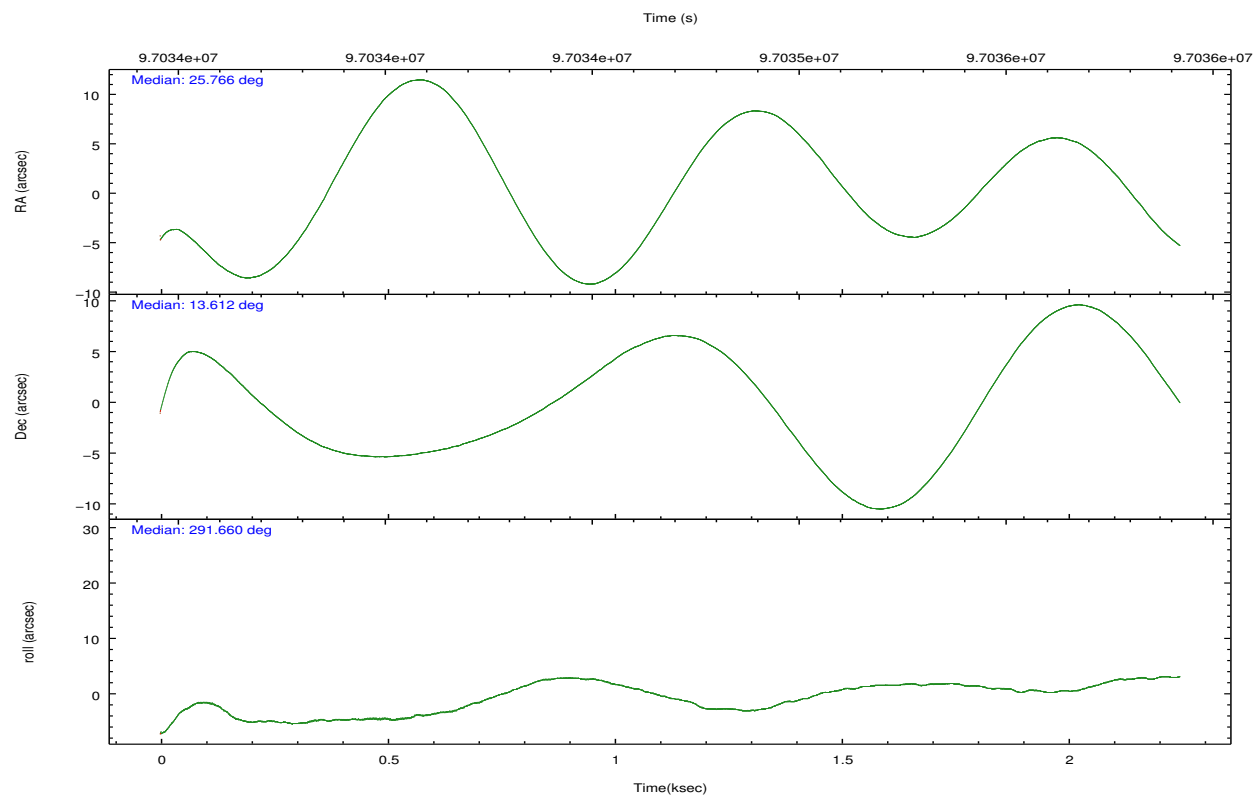
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	25.743805	25.76591411009621
[deg] Pointing Dec	13.628734	13.612112971523
[deg] Pointing Roll	291.516846	291.6682269625578
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	97033812.184000	97032805.57856099
Observation start date	2001-01-28T01:49:08	2001-01-28T01:33:25
[s] Observation end time (MET)	97035812.184000	97036123.50368799
Observation end date	2001-01-28T02:22:28	2001-01-28T02:28:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



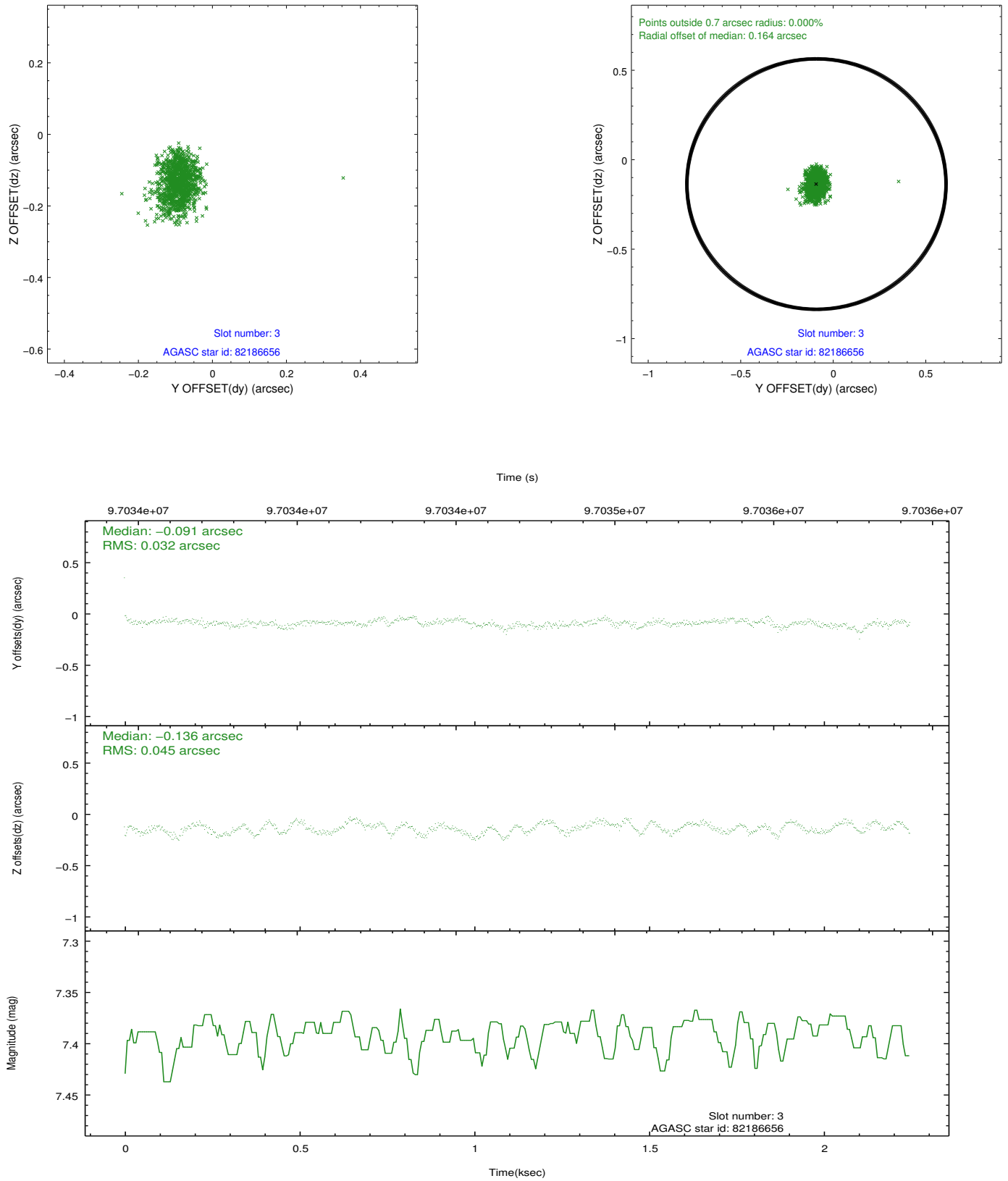


Slot Statistics

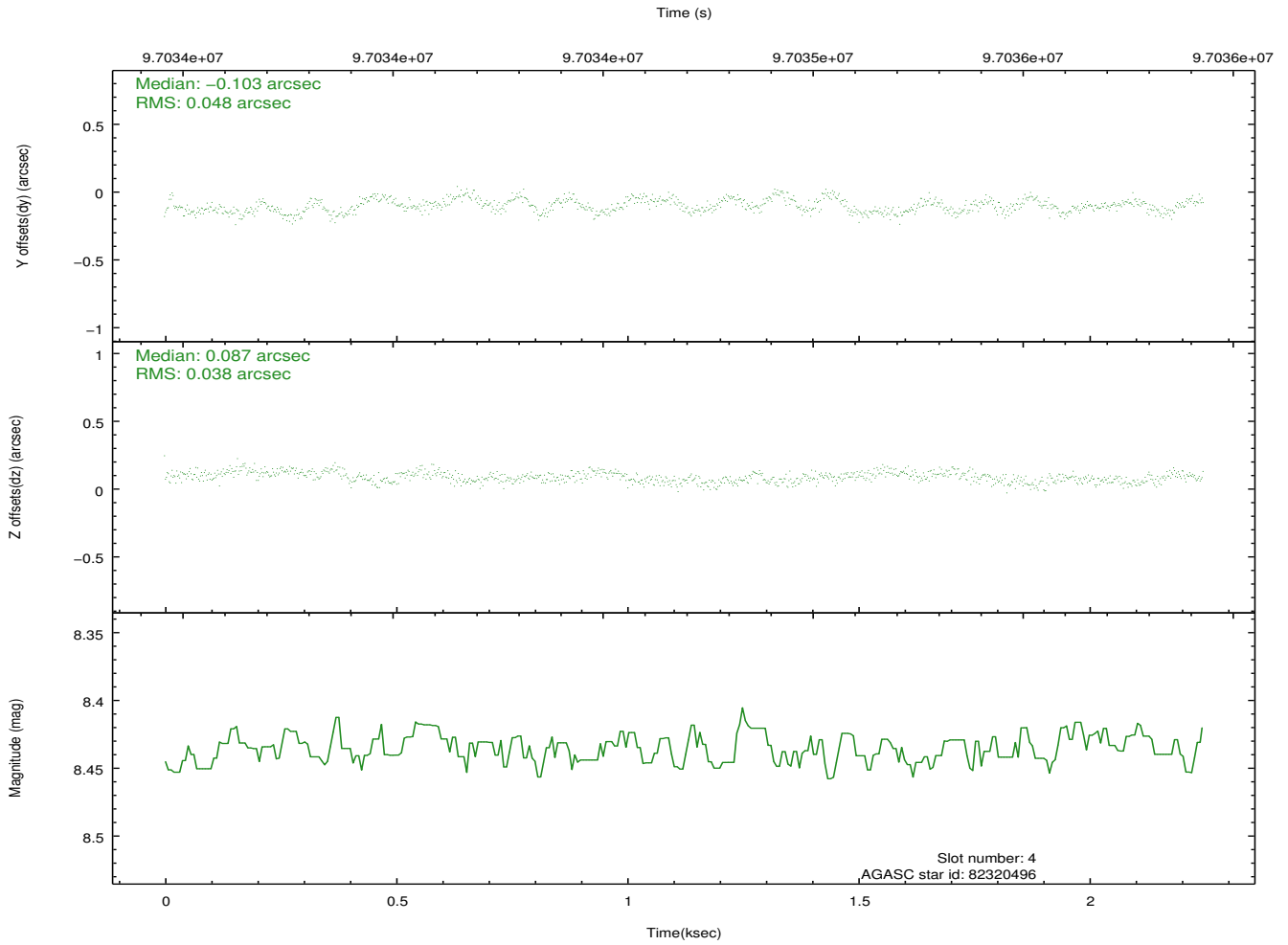
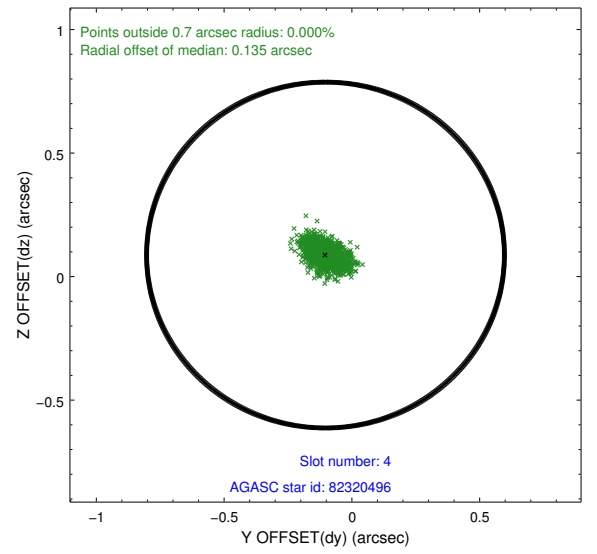
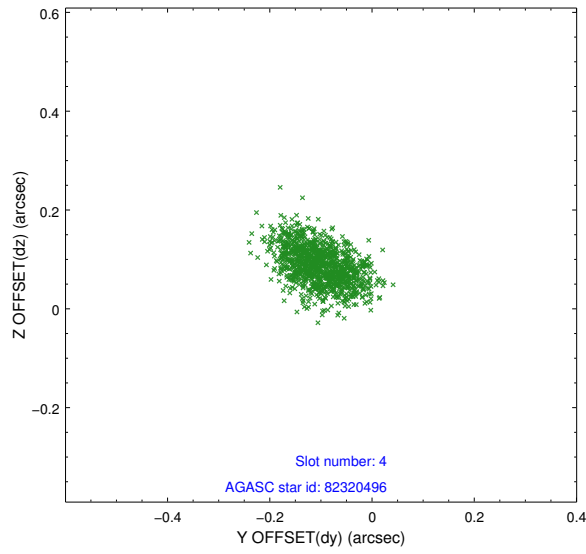
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	549	0.003	0.014	0.007	0.012	0.000000	0.000000	-755.47	-1728.28
1	FID	ACIS-S-4	7.20	549	-0.068	-0.005	0.005	0.009	0.000000	0.000000	2156.44	177.18
2	FID	ACIS-S-5	7.24	549	0.033	0.000	0.007	0.012	0.000000	0.000000	-1804.55	174.17
3	GUIDE	82186656	7.39	1097	-0.091	-0.136	0.058	0.093	25.268579	13.773450	-1094.07	-1354.17
4	GUIDE	82320496	8.44	1097	-0.103	0.087	0.066	0.105	26.104669	14.056528	-971.37	1736.57
5	GUIDE	82189408	8.87	1097	-0.003	-0.050	0.072	0.121	25.276758	13.237916	707.95	-2036.20
6	GUIDE	82319672	9.05	1097	0.055	0.069	0.077	0.123	25.615508	13.734038	-515.19	-279.90
7	GUIDE	82320864	9.60	1095	0.139	0.029	0.097	0.159	25.985283	13.465729	856.56	571.61

2.4 Star Slots

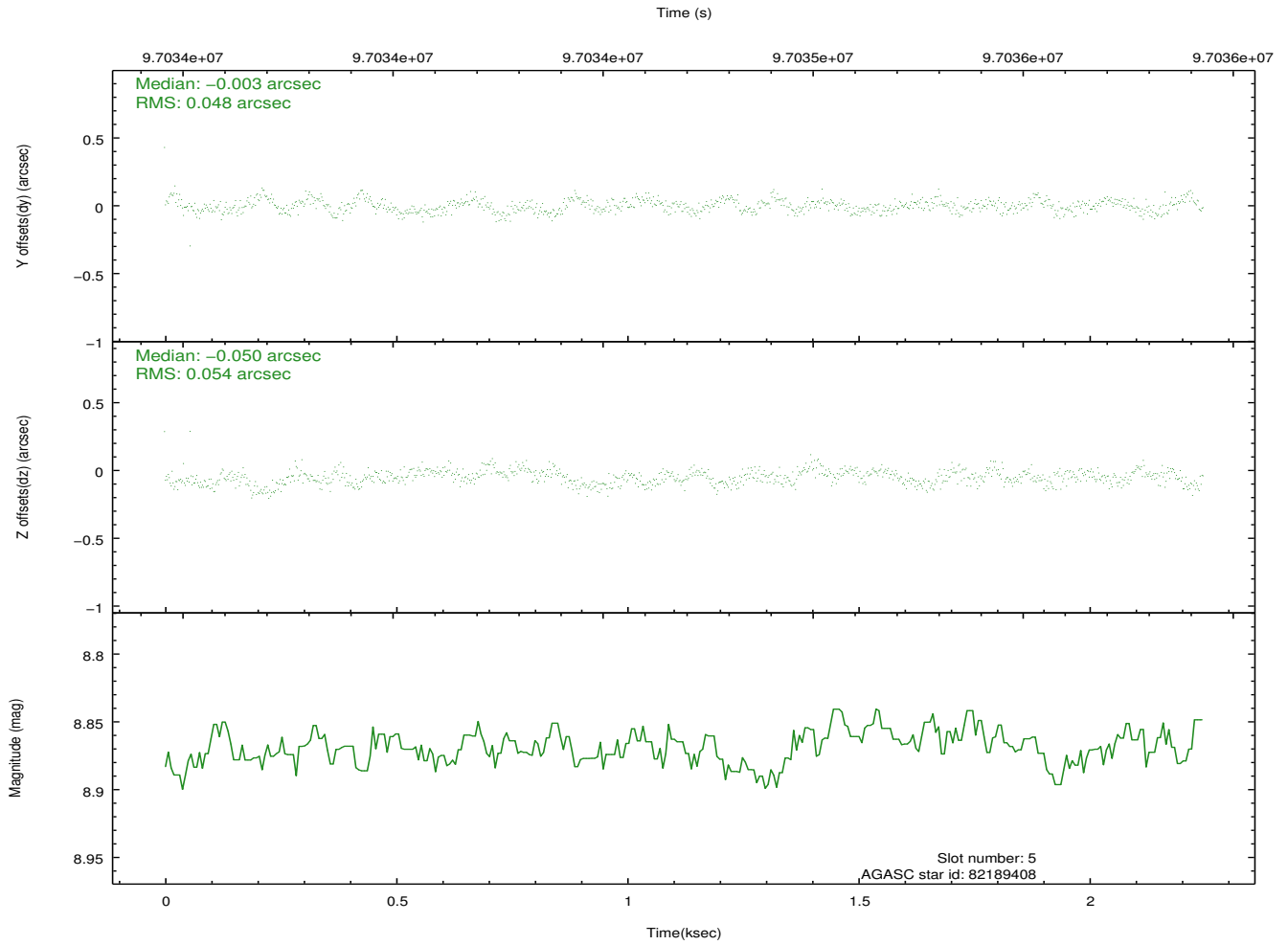
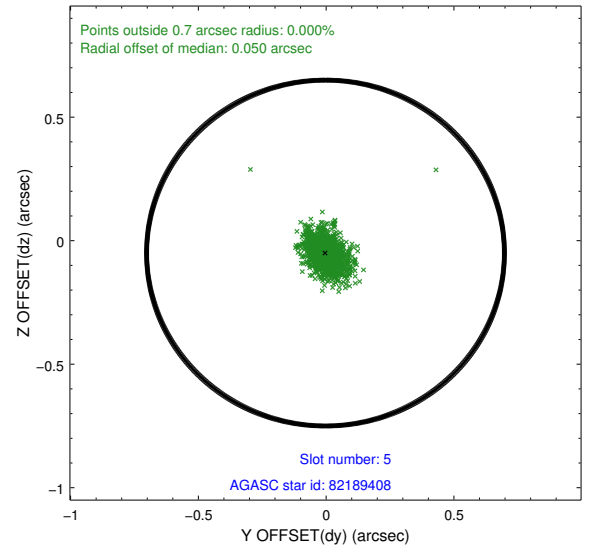
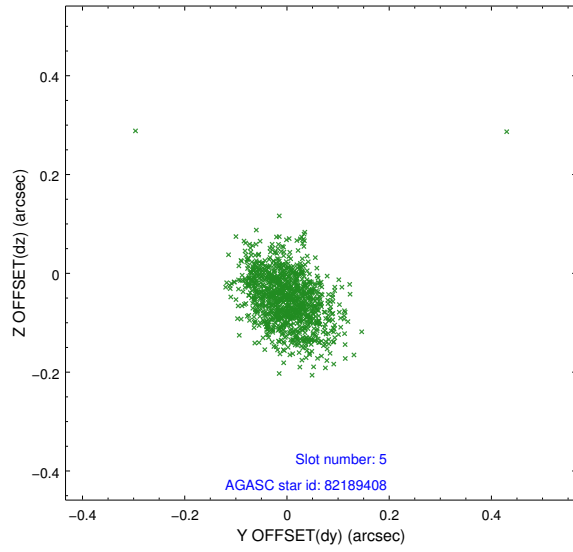
2.4.1 Slot 3



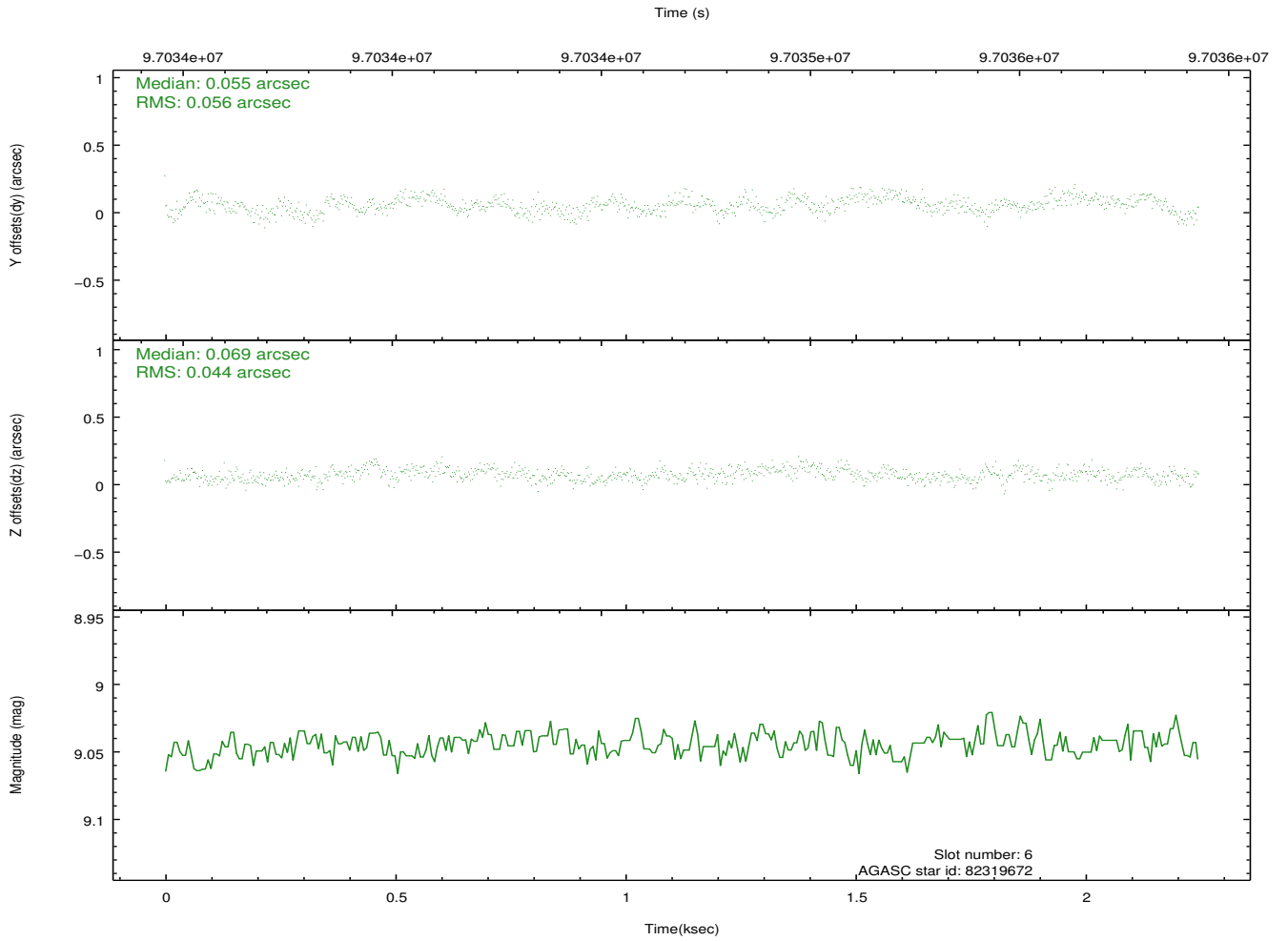
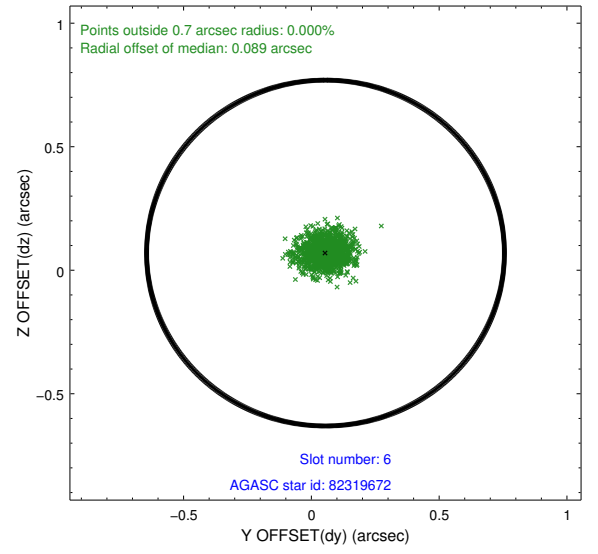
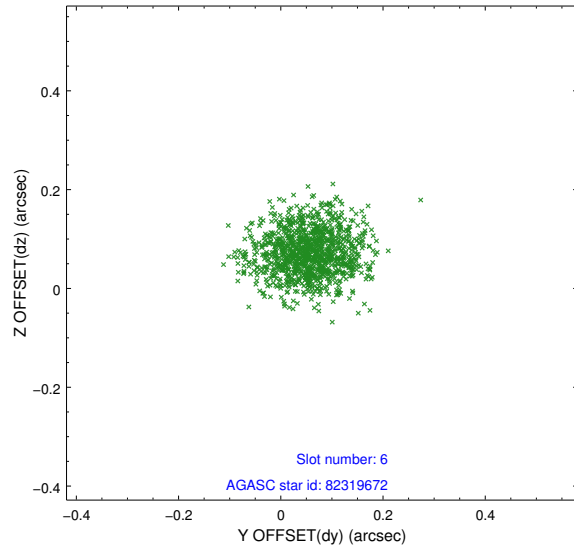
2.4.2 Slot 4



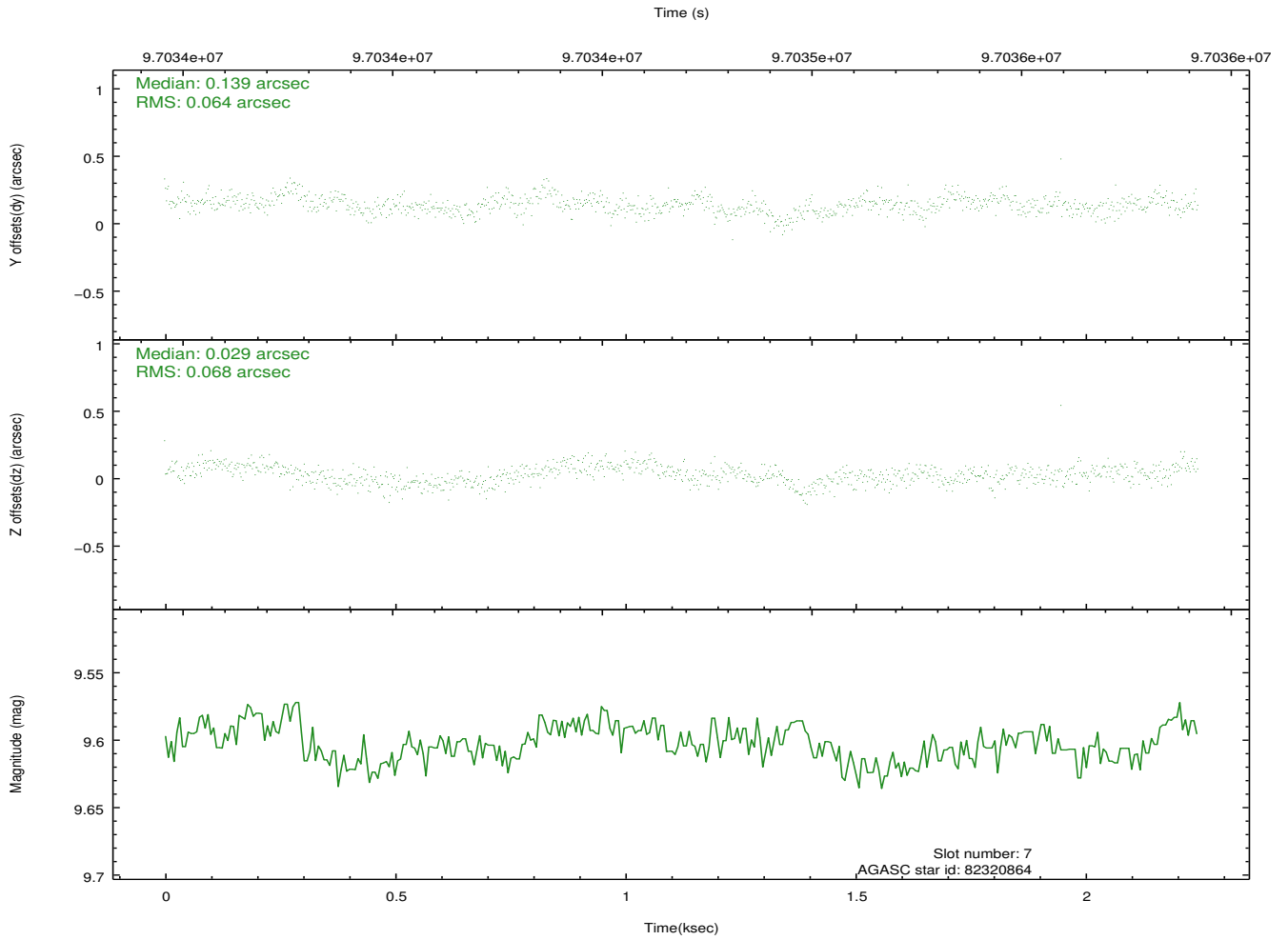
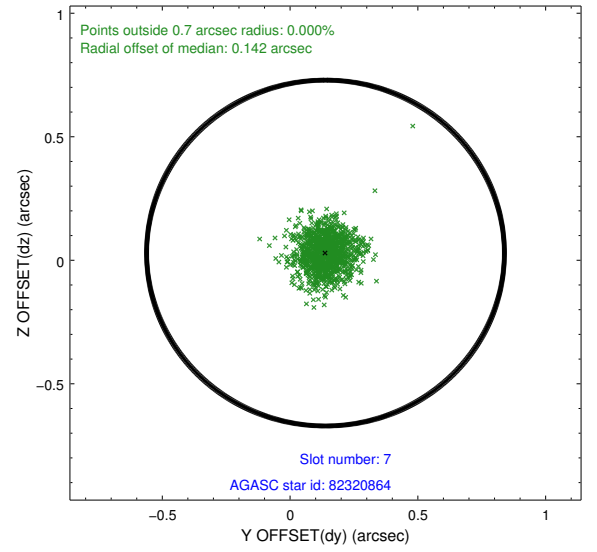
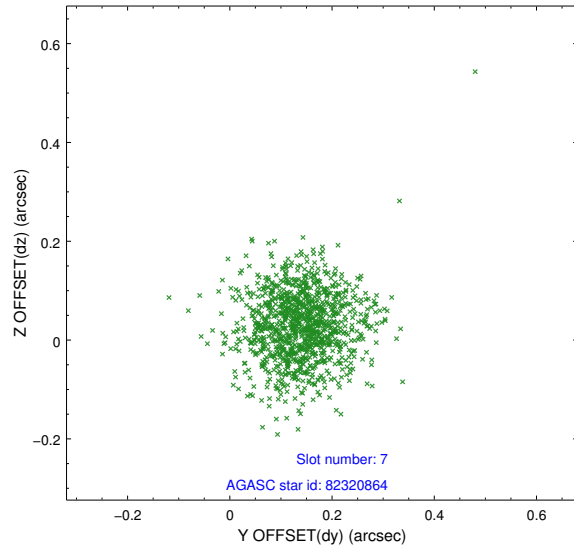
2.4.3 Slot 5



2.4.4 Slot 6

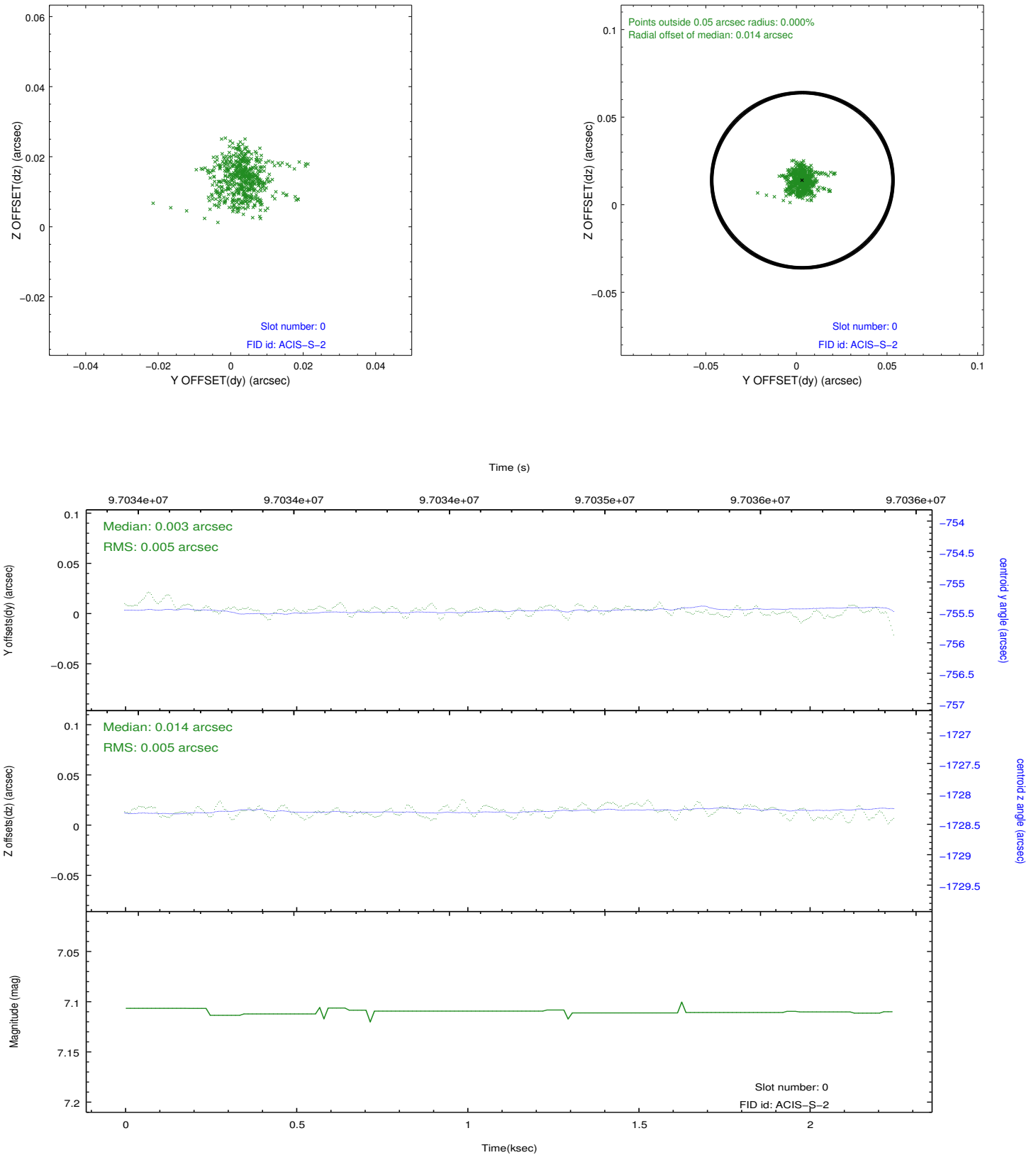


2.4.5 Slot 7

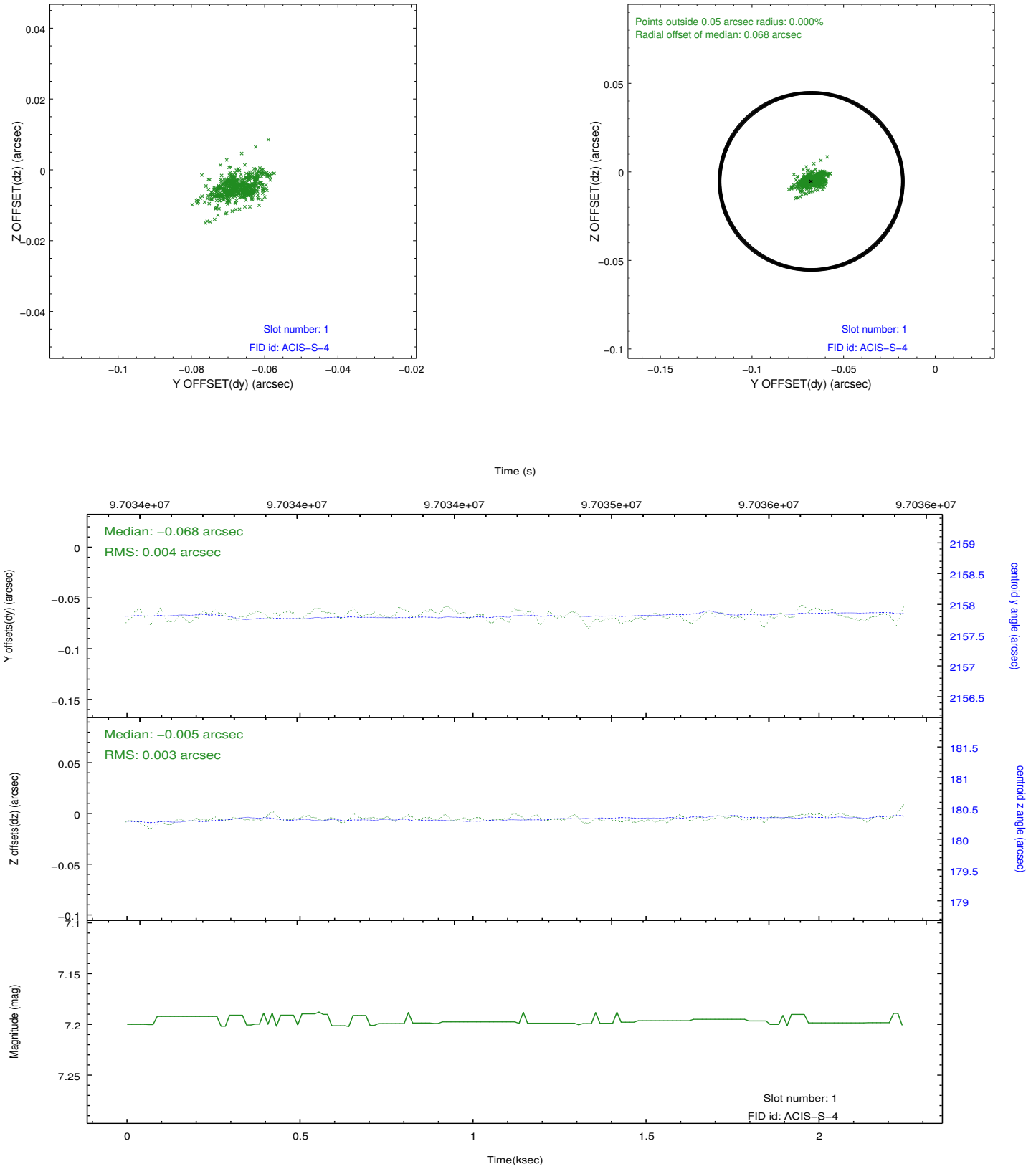


2.5 FID Slots

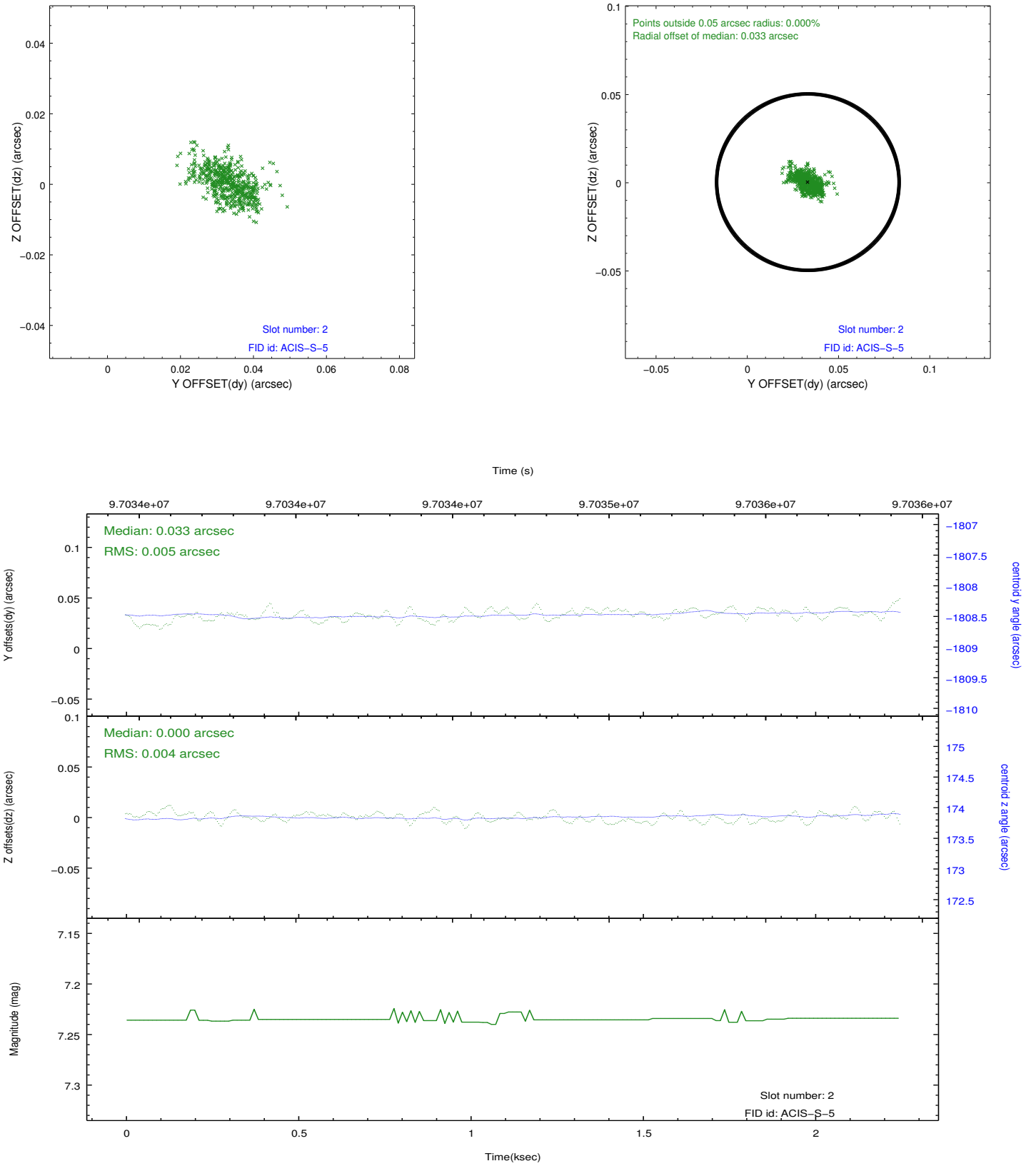
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.942

A.2 Comments

Charge time for this observation remains at previous value of 1.942 ksec.