

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13668 - L2 Version 1
Chandra X-Ray Center

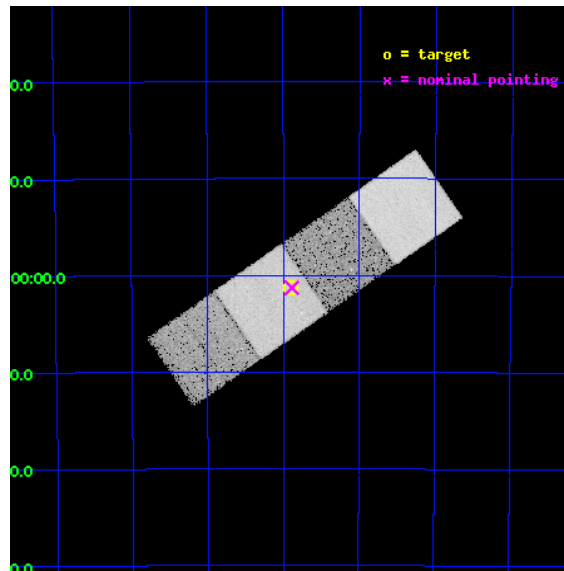
L2 Processing Date : Jul 10 2012

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1 Front

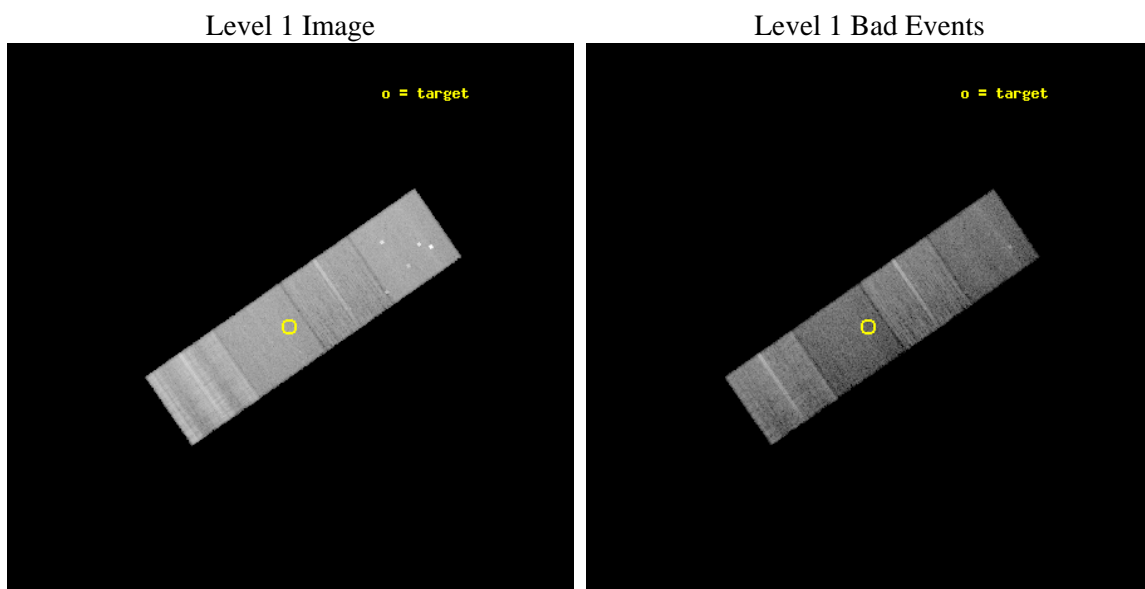
seq_num	200818	Sequence number
obs_id	13668	Observation id
title	Testing Star-Planet Interaction in Solar Analogs	Proposal title
observer	Brendan Miller	Principal investigator
object	HD 30177	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.476667	Observer's specified target RA [deg]
dec_targ	-58.02075	Observer's specified target Dec [deg]
ra_nom	70.471474434626	Nominal RA [deg]
dec_nom	-58.021910658322	Nominal Dec [deg]
roll_nom	145.27138295354	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.100115895	Sum of GTIs [s]
livetime	14872.211229171	Livetime [s]
ontime5	15069.100115895	Sum of GTIs [s]
ontime6	15065.959125519	Sum of GTIs [s]
ontime7	15069.100115895	Sum of GTIs [s]
ontime8	15069.100115895	Sum of GTIs [s]
l2events	156208	Number of level 2 events



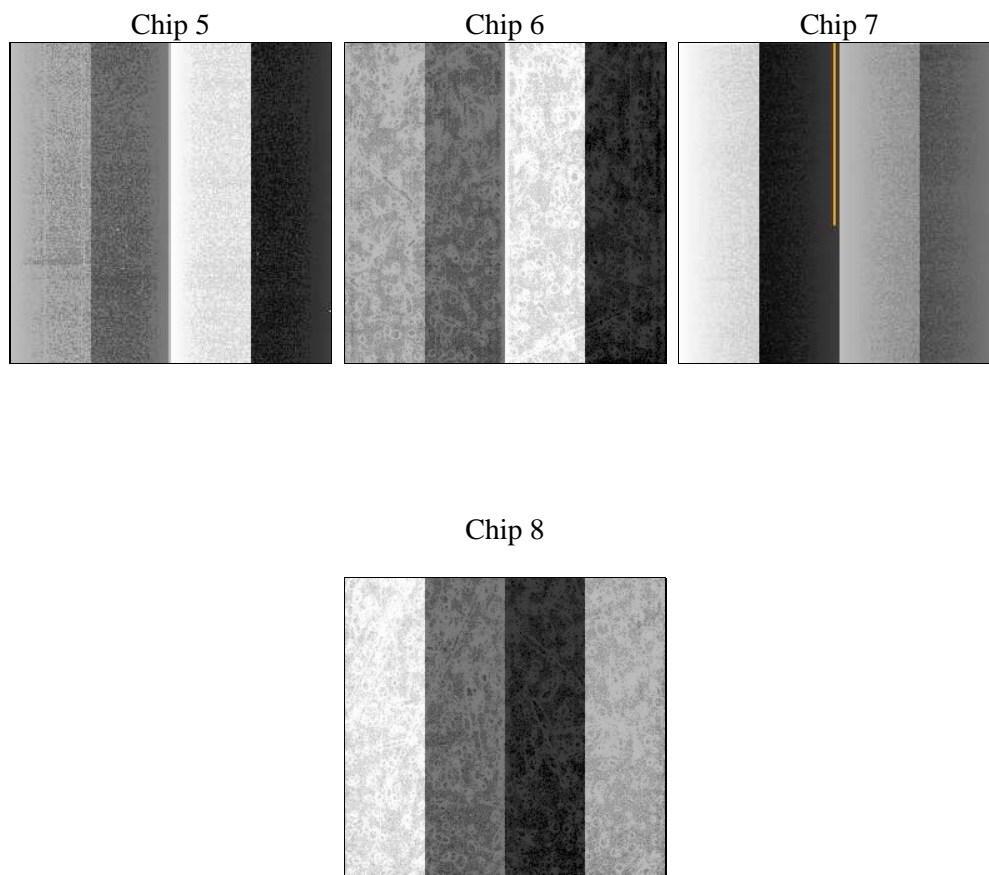
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15069.100115895	Sum of GTIs [s]
caldsver	4.5.0	 	ontime5	15069.100115895	Sum of GTIs [s]
date	2012-07-10T07:25:36	Date and time of file creation	ontime6	15065.959125519	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15069.100115895	Sum of GTIs [s]
			ontime8	15069.100115895	Sum of GTIs [s]
			l1events	576140	Number of level 1 events

2.1.4 Events

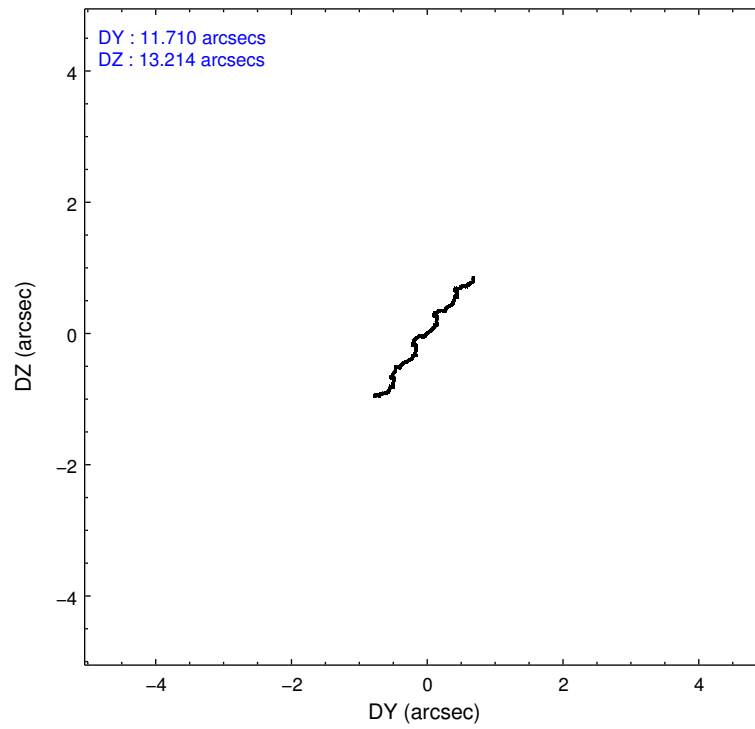
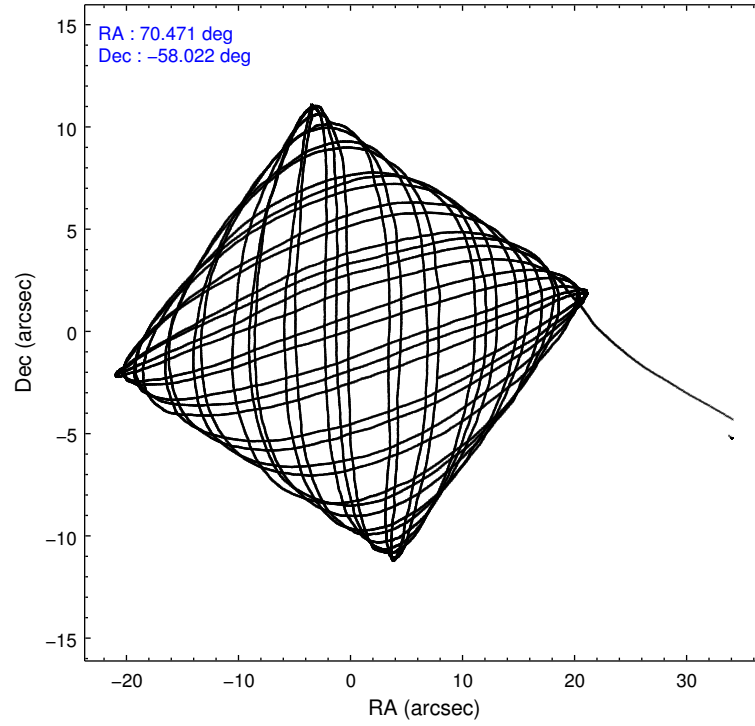
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	156953	112750	120778	185659
rejected events	72888	98773	61872	105153
rejected %	46%	87%	51%	56%

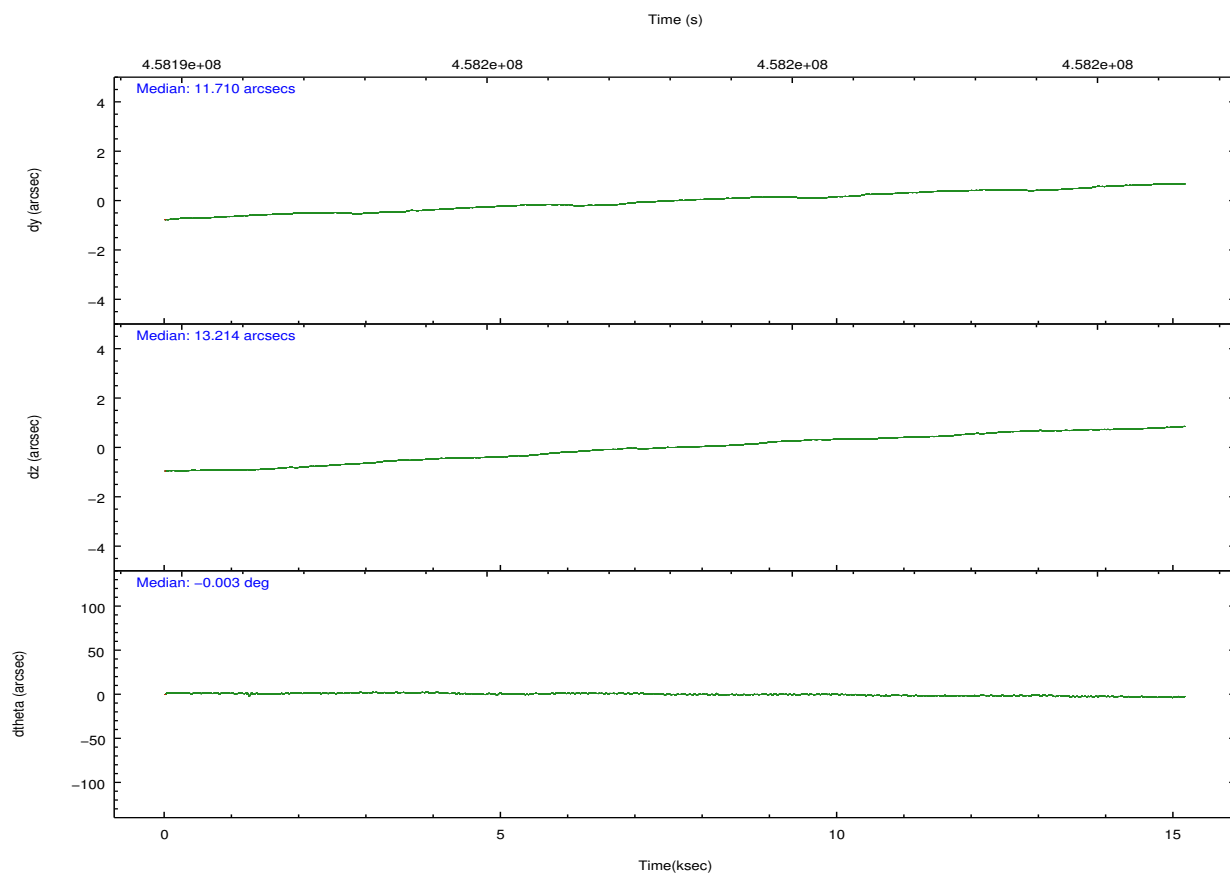
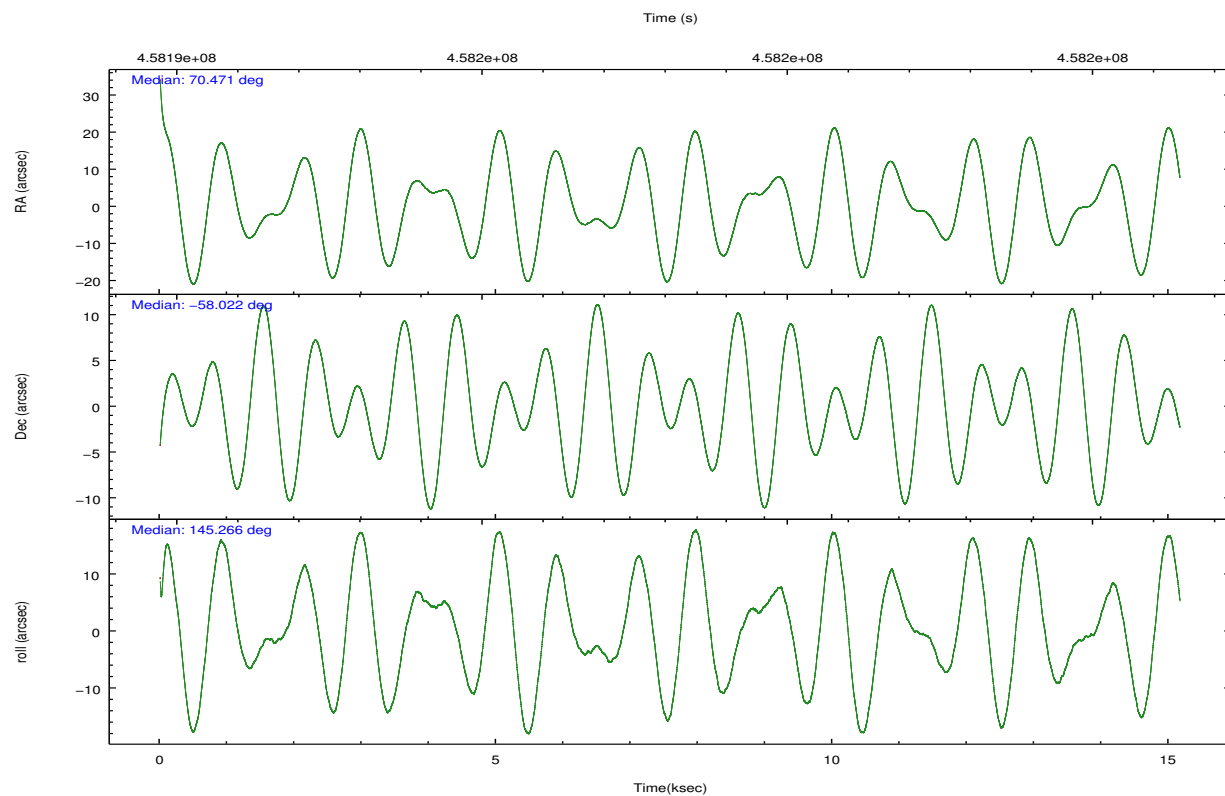
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11304	5899	6159	27419
	7%	5%	5%	14%
grade 1 events	635	44	169	266
	0%	0%	0%	0%
grade 2 events	28124	3043	12983	13751
	17%	2%	10%	7%
grade 3 events	3330	1220	5160	12106
	2%	1%	4%	6%
grade 4 events	3181	1170	5235	11147
	2%	1%	4%	6%
grade 5 events	10604	3960	11497	6452
	6%	3%	9%	3%
grade 6 events	38143	2649	29381	16093
	24%	2%	24%	8%
grade 7 events	61632	94765	50194	98425
	39%	84%	41%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	70.522902	70.47147443462569	CCD I2 on	N	N
[deg] Pointing Dec	-58.023787	-58.02191065832207	CCD I3 on	N	N
[deg] Pointing Roll	145.158392	145.271382953544	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O3	Y
[s] Observation start time (MET)	458190676.184000	458189360.70128	CCD S5 on	N	N
Observation start date	2012-07-09T03:10:09	2012-07-09T02:49:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	458205676.184000	458206203.50218	On-chip summing requested	N	N
Observation end date	2012-07-09T07:20:09	2012-07-09T07:30:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



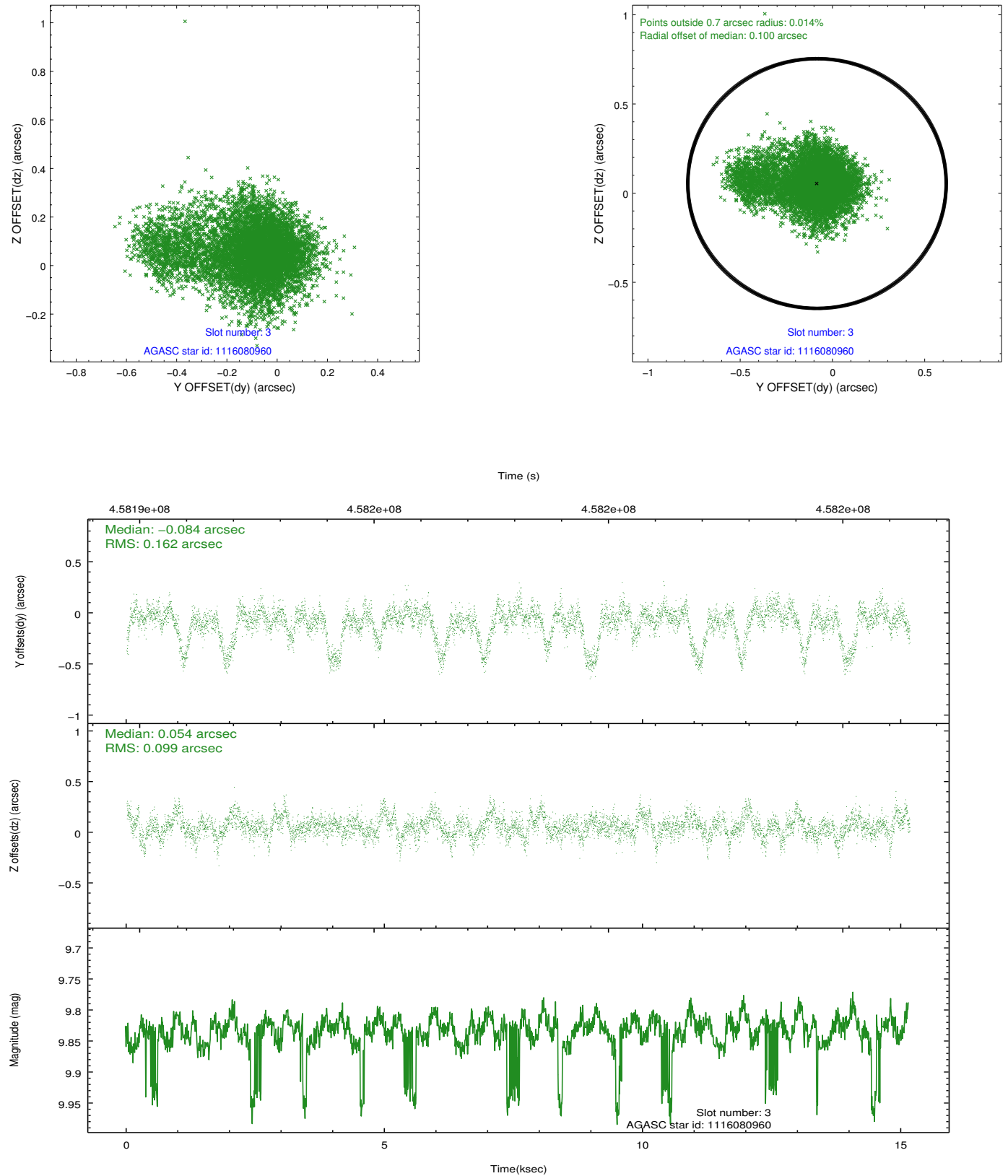


Slot Statistics

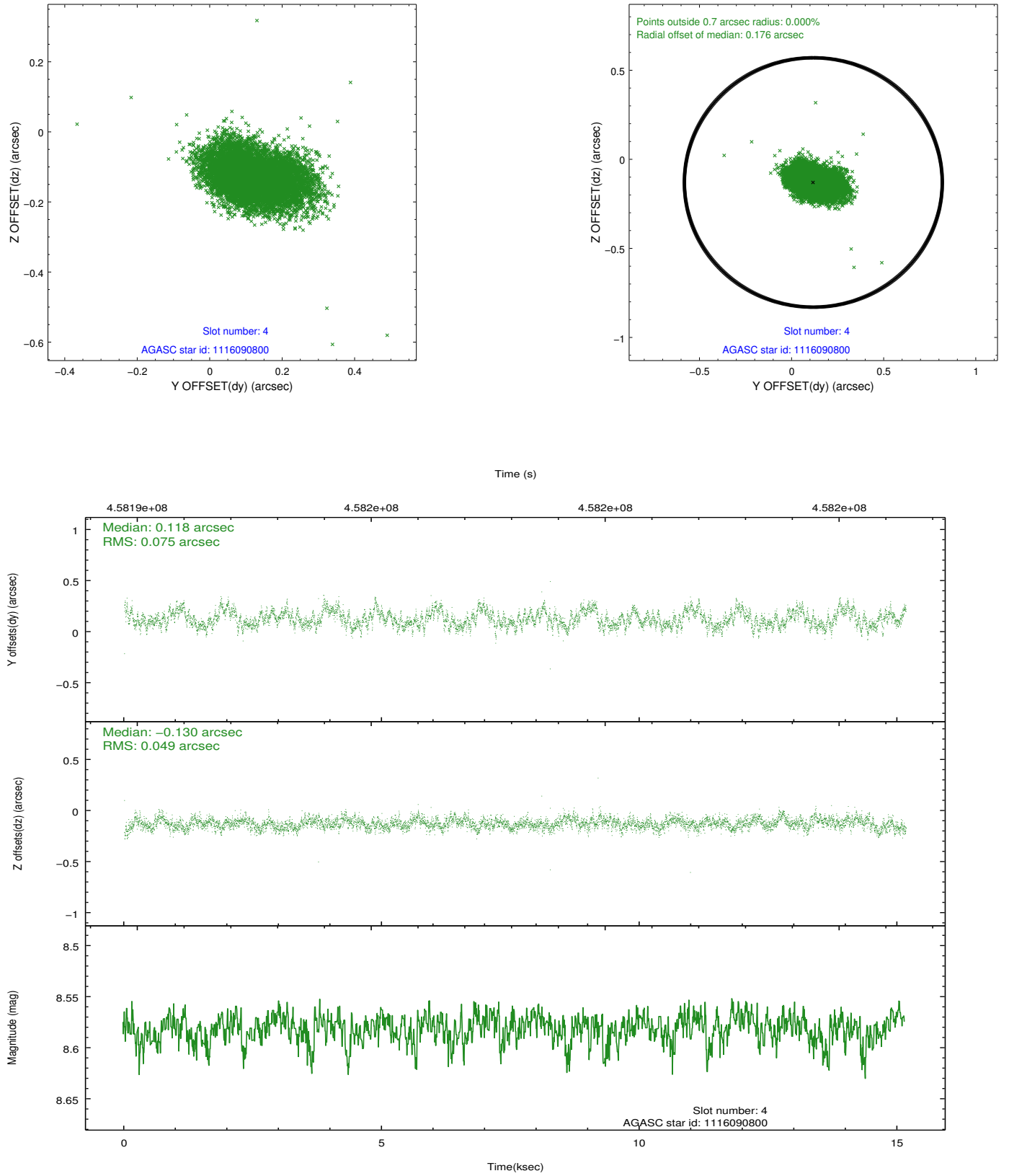
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	3699	-0.049	-0.053	0.011	0.021	0.000000	0.000000	-764.63	-1734.56
1	FID	ACIS-S-4	7.07	3698	0.185	0.037	0.014	0.025	0.000000	0.000000	2148.77	173.68
2	FID	ACIS-S-5	7.11	3699	-0.169	0.024	0.016	0.025	0.000000	0.000000	-1817.19	167.71
3	GUIDE	1116080960	9.83	7302	-0.084	0.054	0.183	0.379	69.975130	-57.670033	1590.85	-438.65
4	GUIDE	1116090800	8.58	7393	0.118	-0.130	0.095	0.154	70.863529	-58.789564	-2097.13	1901.00
5	GUIDE	1116092832	6.55	7398	-0.180	-0.278	0.090	0.145	69.531505	-58.203815	1165.28	1618.03
6	GUIDE	1116209408	9.67	7388	0.142	0.191	0.133	0.210	71.132876	-57.576712	-49.33	-1988.37
7	GUIDE	1116210520	9.46	7389	0.032	0.162	0.135	0.209	71.862089	-58.077153	-2216.04	-1277.83

2.4 Star Slots

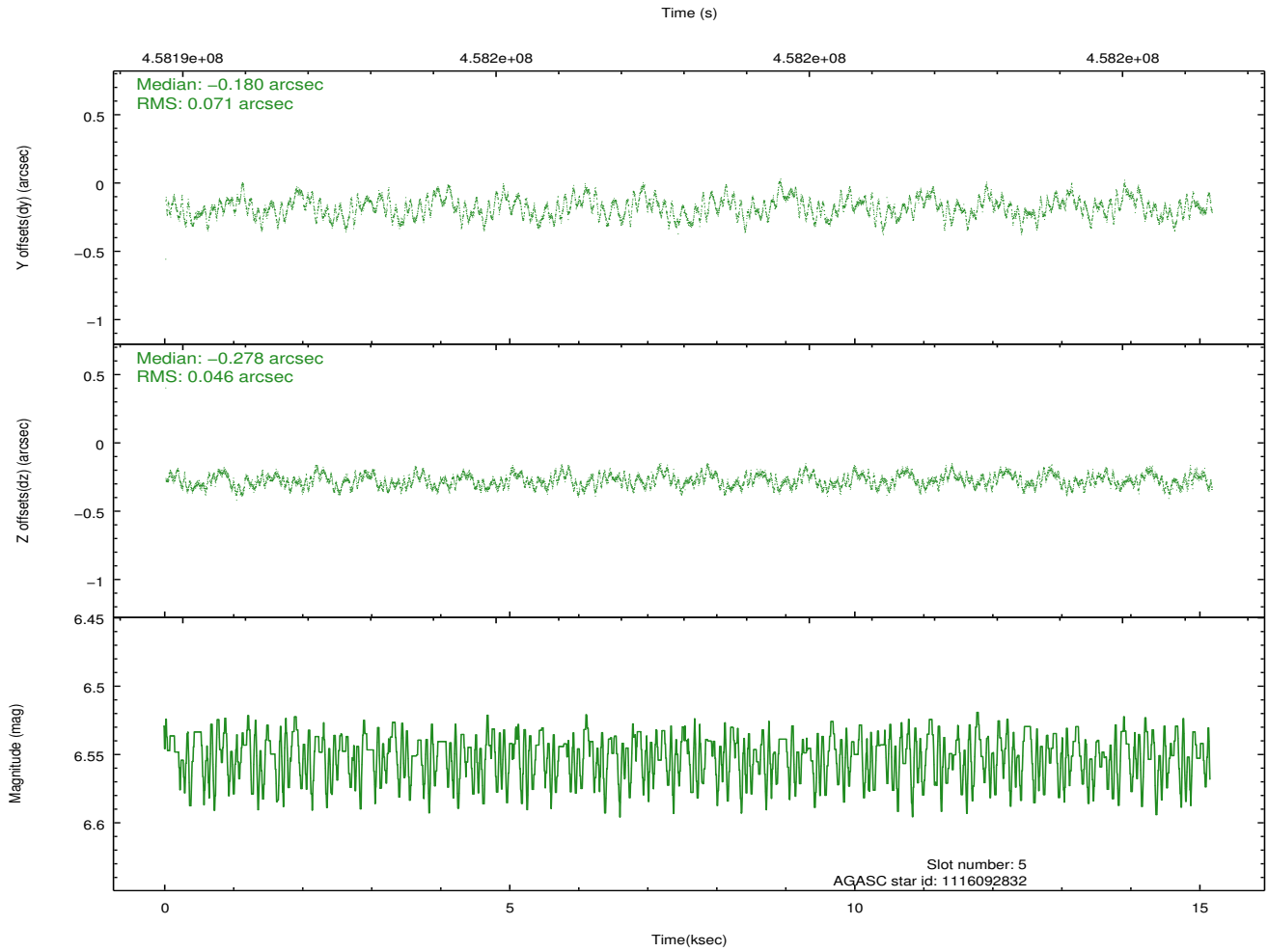
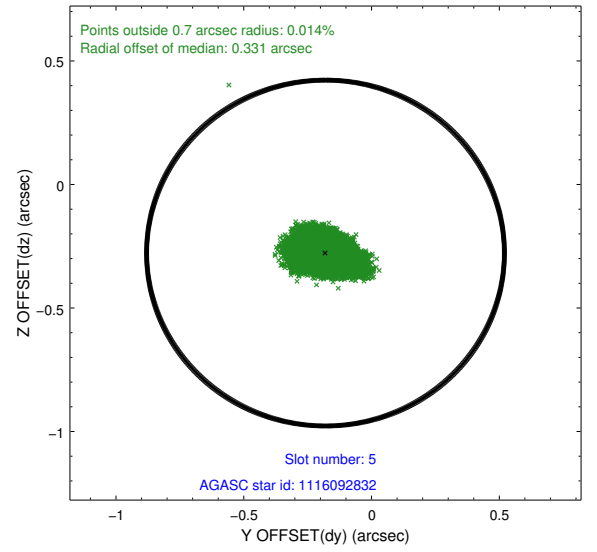
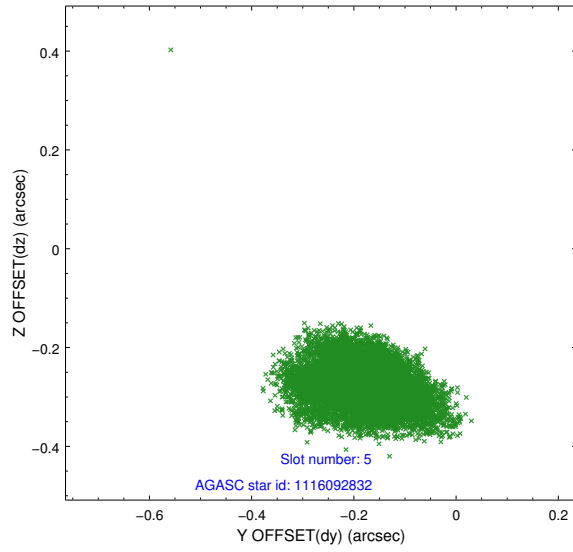
2.4.1 Slot 3



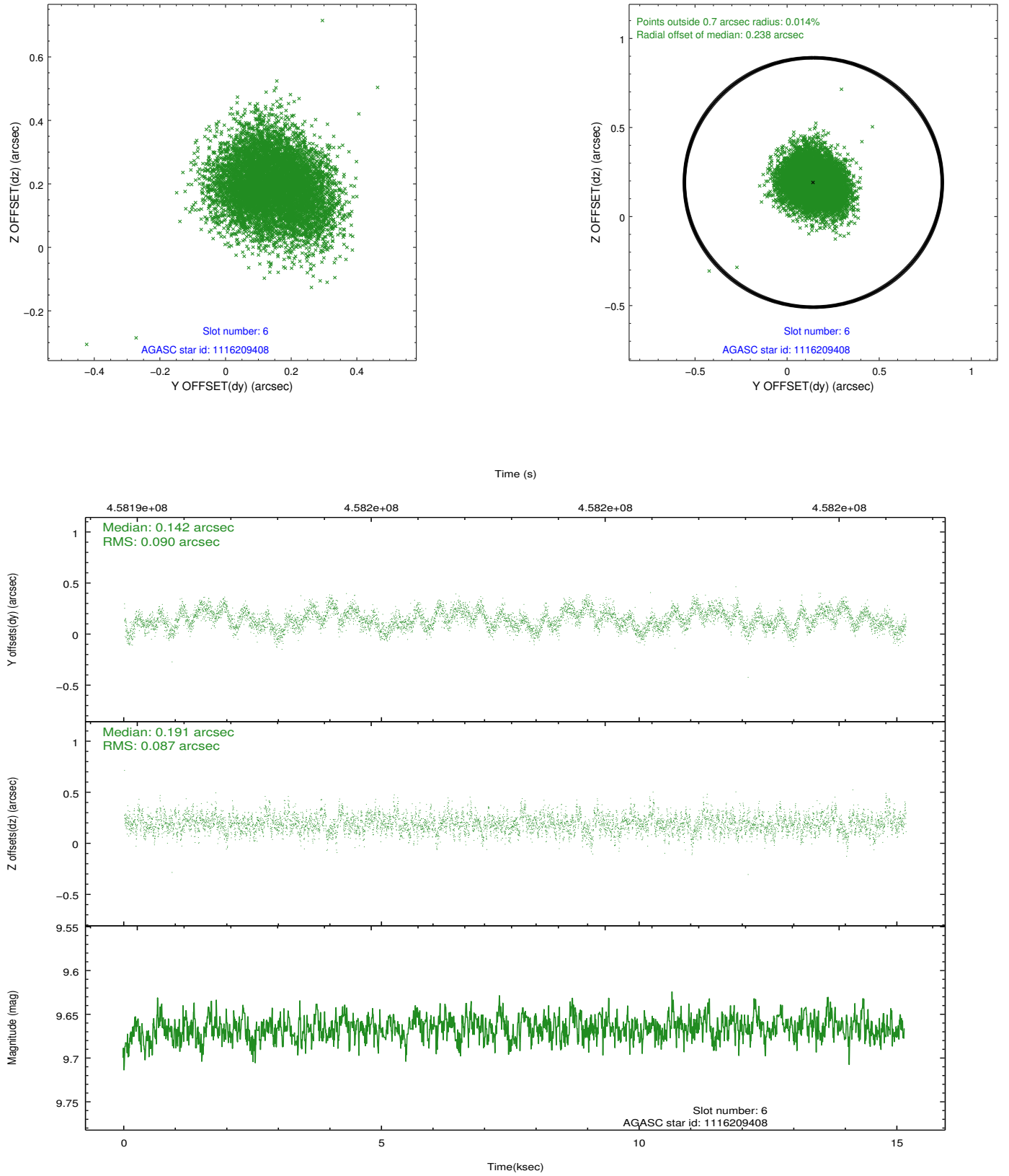
2.4.2 Slot 4



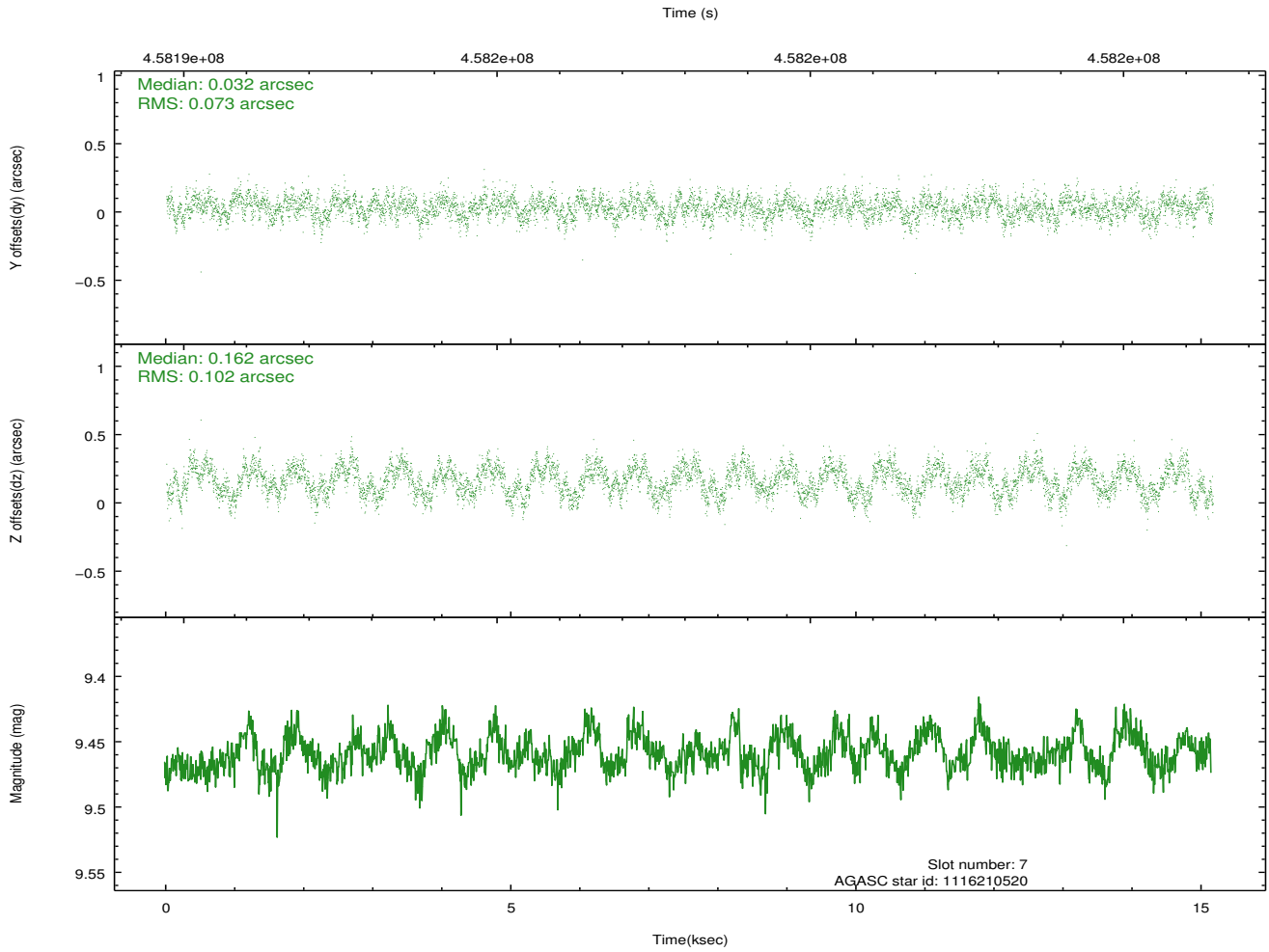
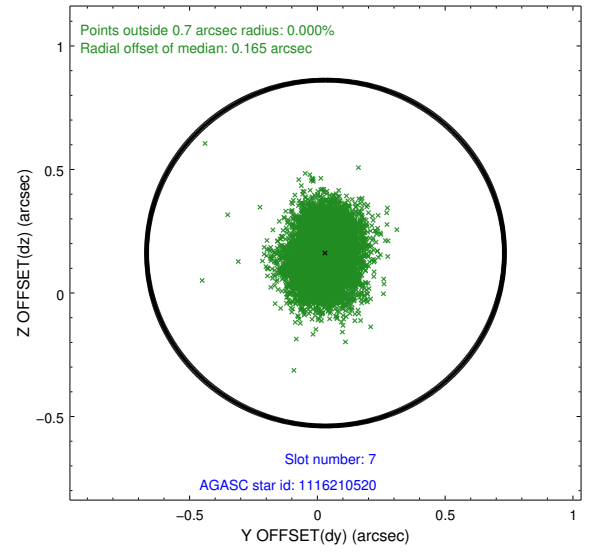
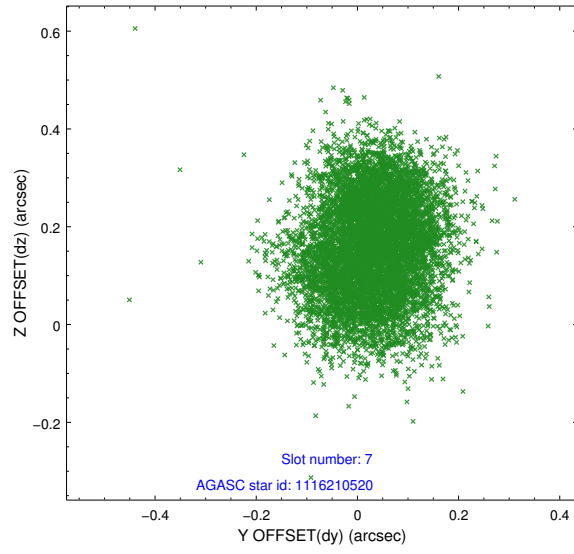
2.4.3 Slot 5



2.4.4 Slot 6

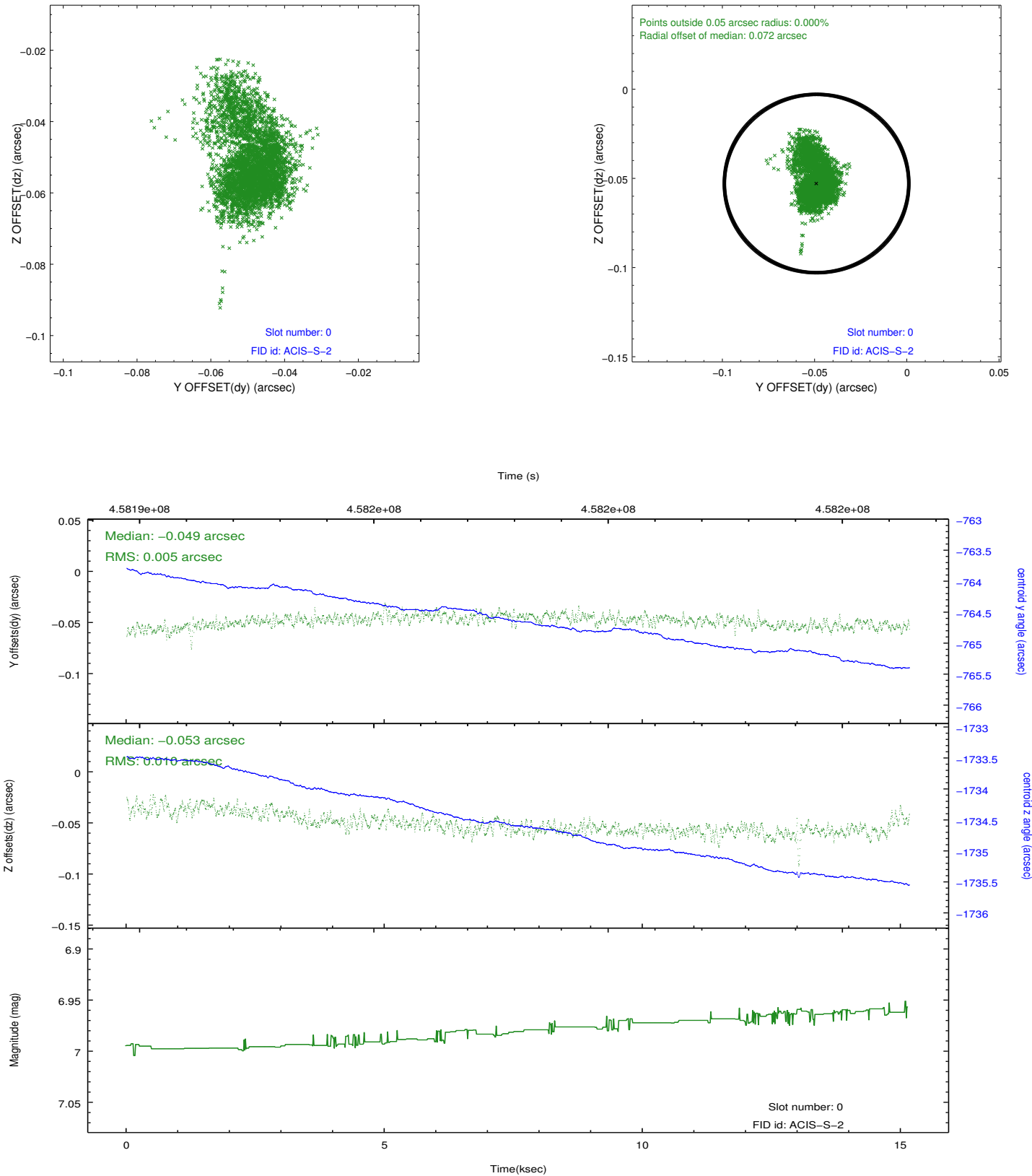


2.4.5 Slot 7

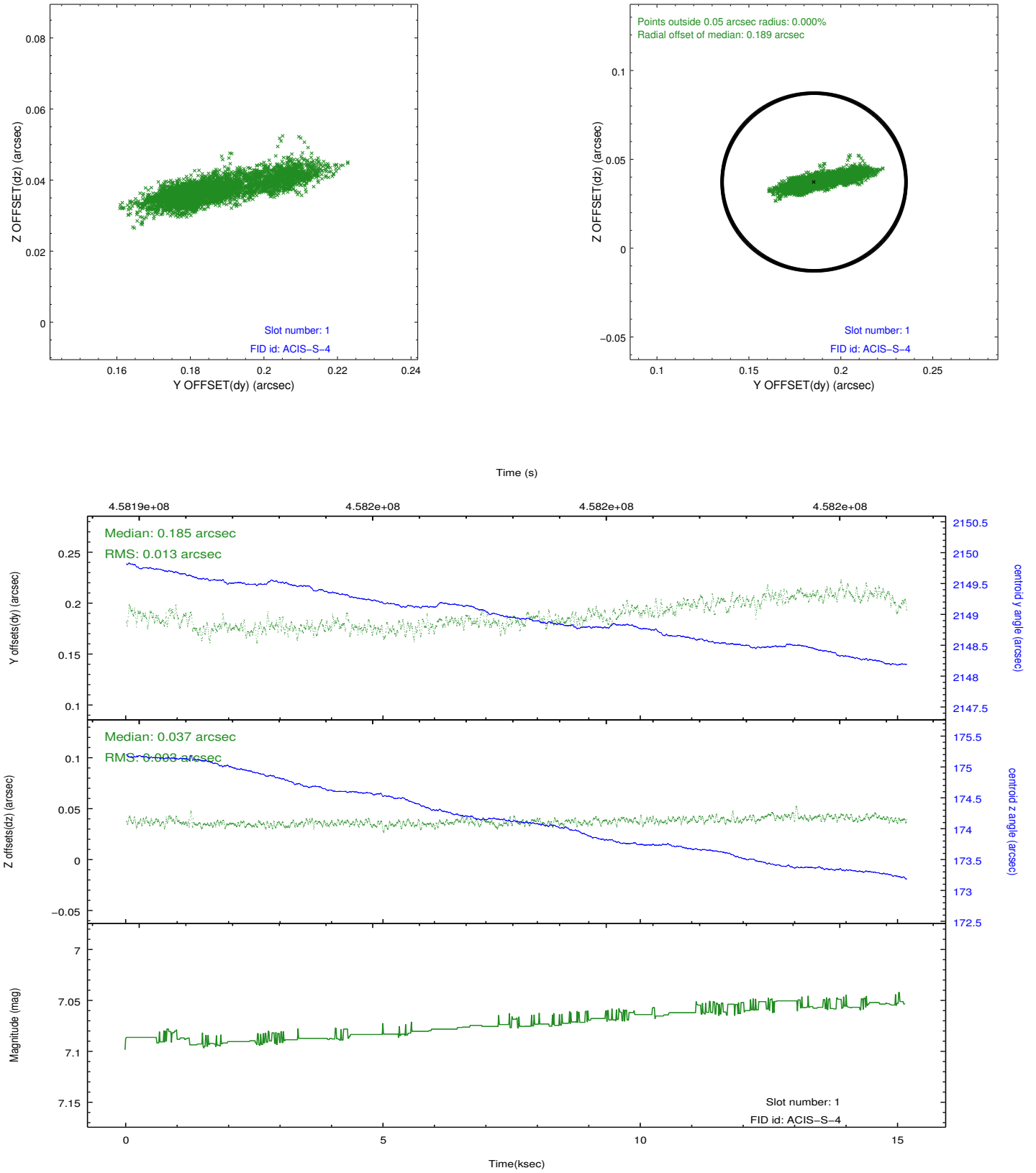


2.5 FID Slots

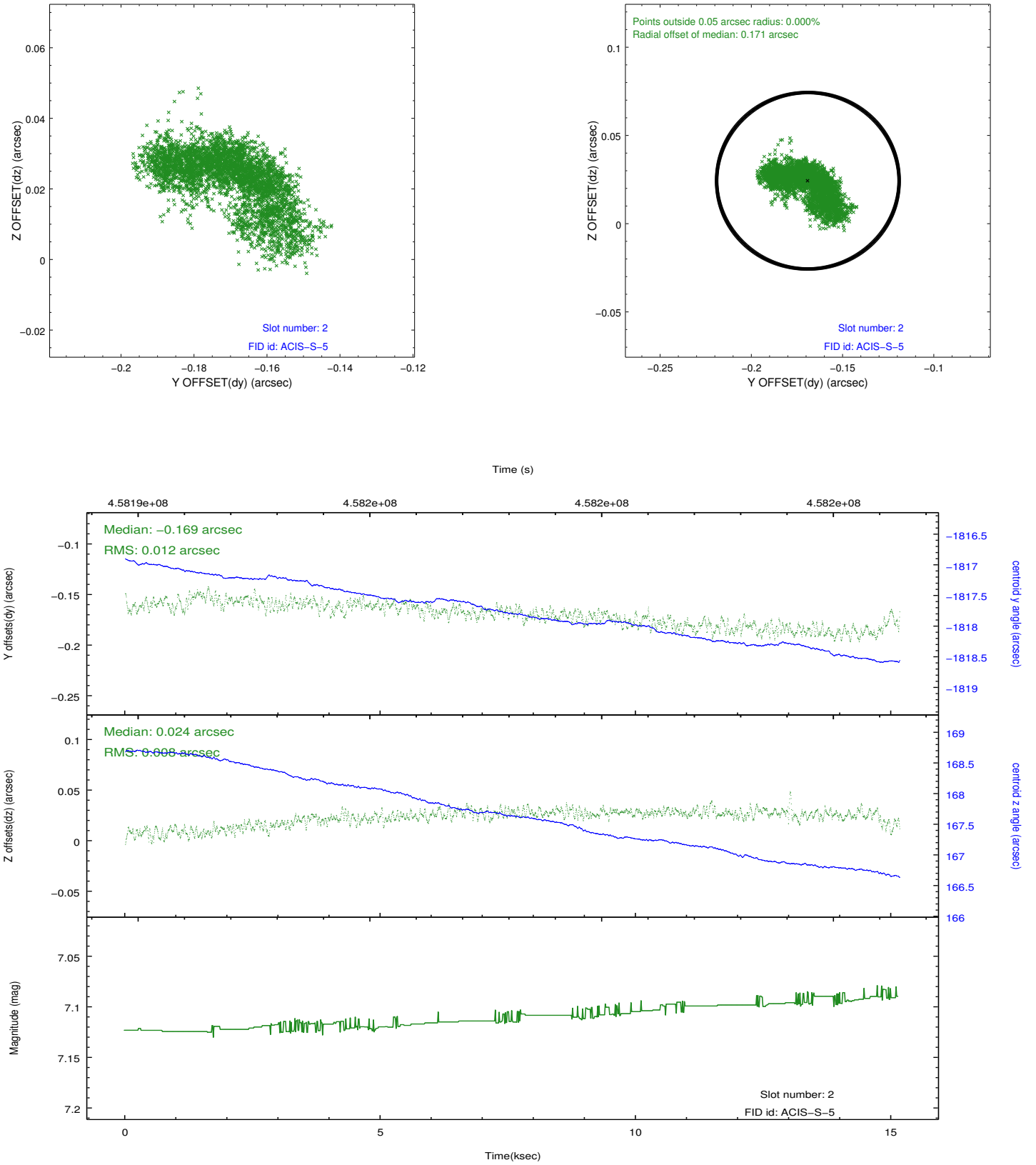
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.069100115895

A.2 Comments