

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5427 - L2 Version 3
Chandra X-Ray Center

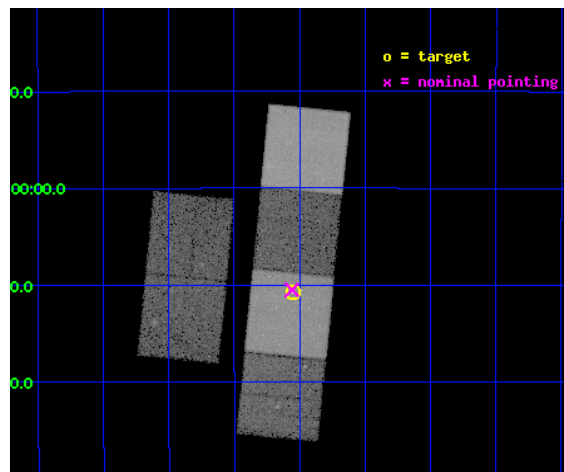
L2 Processing Date : Dec 23 2012

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1 Front

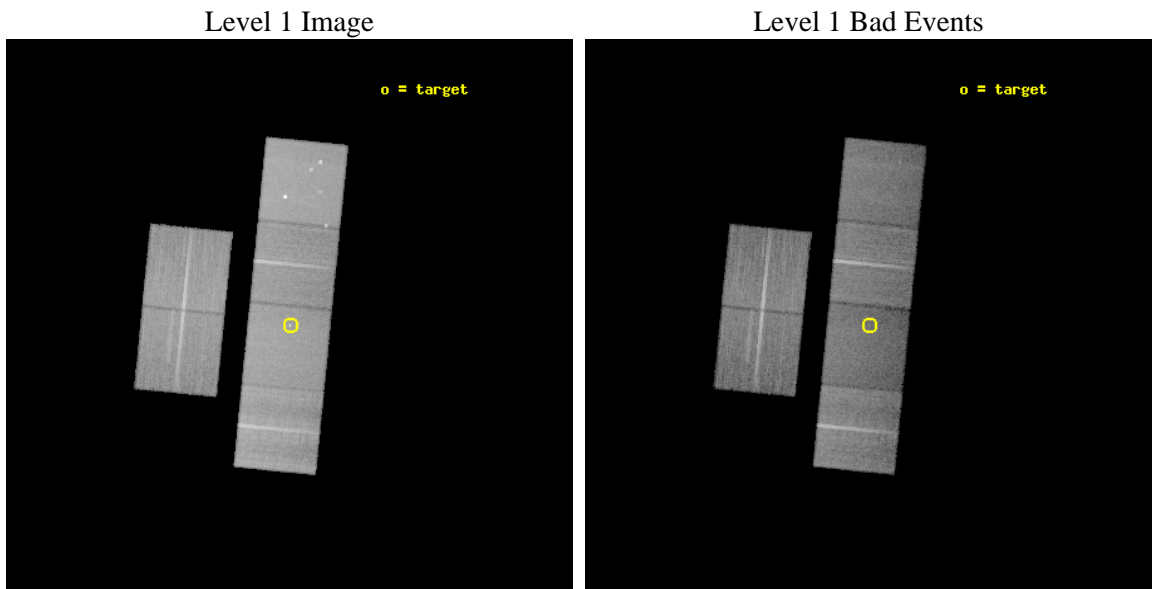
seq_num	200360	Sequence number
obs_id	5427	Observation id
title	Planet-Induced Activity Enhancements in the HD 179949 System	Propo
observer	Dr. Steven Saar	Principal investigator
object	HD 179949	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.888333	Observer's specified target RA [deg]
dec_targ	-24.179361	Observer's specified target Dec [deg]
ra_nom	288.88973573858	Nominal RA [deg]
dec_nom	-24.175166725459	Nominal Dec [deg]
roll_nom	95.657203259859	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29958.399888396	Sum of GTIs [s]
livetime	29579.048590227	Livetime [s]
ontime2	29945.435937285	Sum of GTIs [s]
ontime3	29948.572558582	Sum of GTIs [s]
ontime5	29958.377549618	Sum of GTIs [s]
ontime6	29958.336509615	Sum of GTIs [s]
ontime7	29958.399888396	Sum of GTIs [s]
ontime8	29958.254429638	Sum of GTIs [s]
l2events	270958	Number of level 2 events



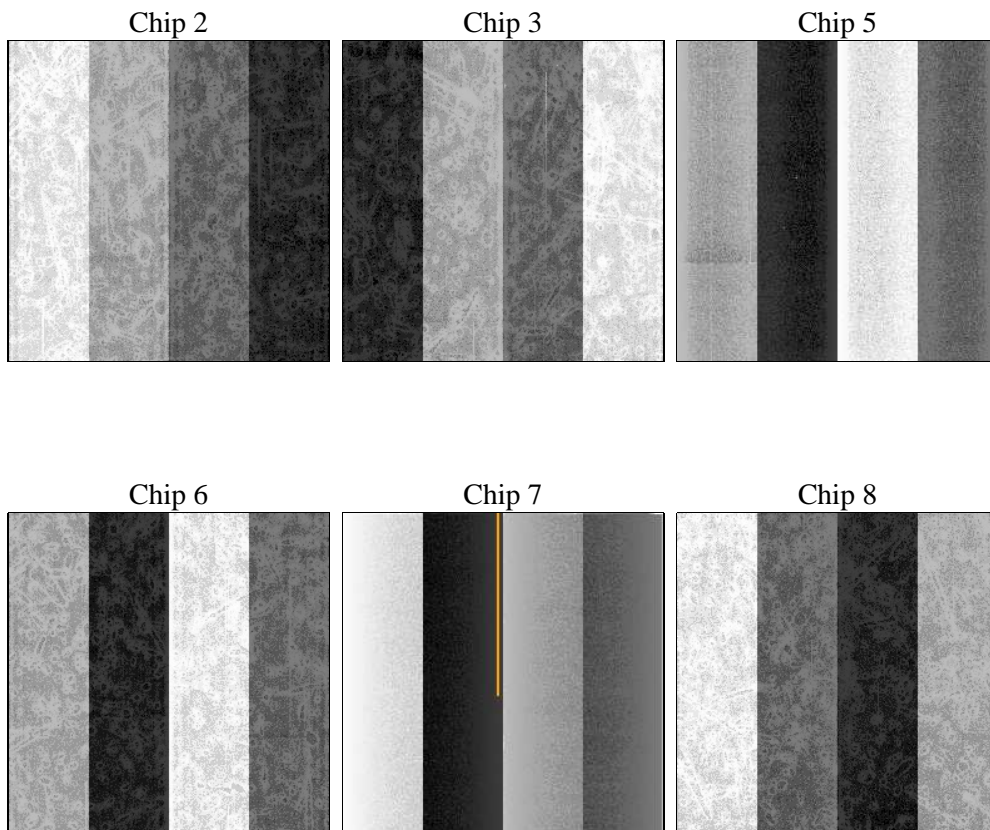
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	29958.399888396	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	29945.435937285	Sum of GTIs [s]
date	2012-12-23T19:12:25	Date and time of file creation	ontime3	29948.572558582	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	29958.377549618	Sum of GTIs [s]
			ontime6	29958.336509615	Sum of GTIs [s]
			ontime7	29958.399888396	Sum of GTIs [s]
			ontime8	29958.254429638	Sum of GTIs [s]
			l1events	1198536	Number of level 1 events

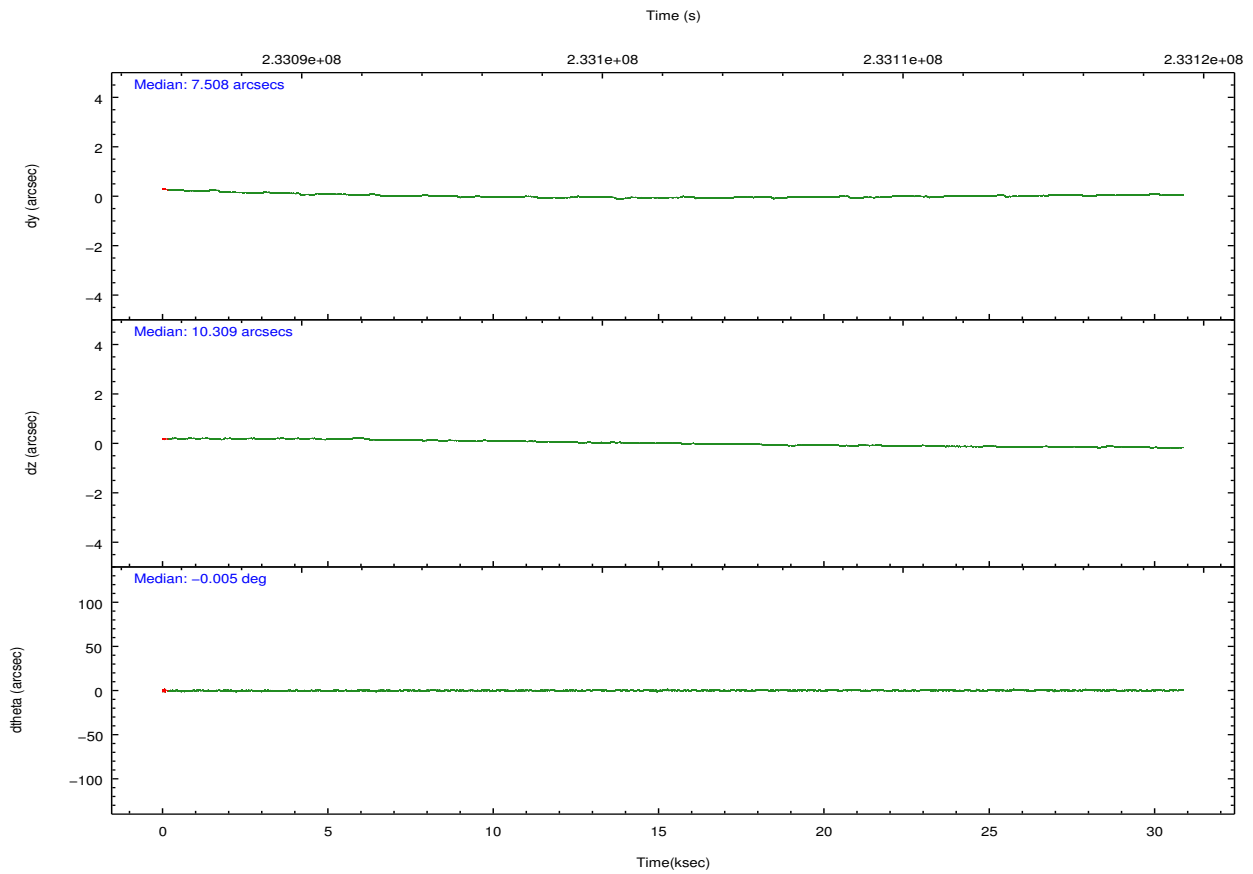
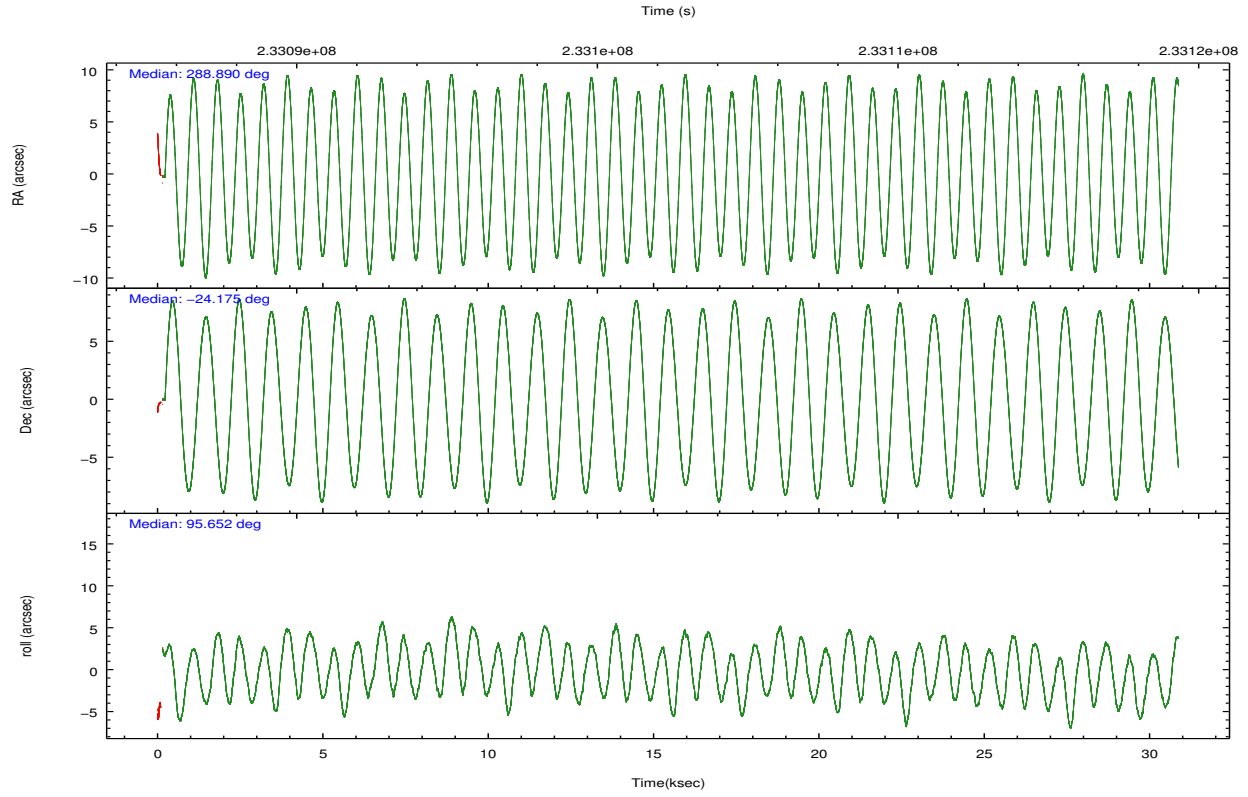
2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	189787	166560	245913	172013	201436	222827	grade 0 events	6728	6612	17750	7357	9825	16890
rejected events	171854	149379	120689	152634	107277	169729		3%	3%	7%	4%	4%	7%
rejected %	90%	89%	49%	88%	53%	76%	grade 1 events	94	105	400	78	194	169
								0%	0%	0%	0%	0%	0%
							grade 2 events	4090	3584	35046	3910	19213	11563
								2%	2%	14%	2%	9%	5%
							grade 3 events	1906	1920	5548	2088	8776	5987
								1%	1%	2%	1%	4%	2%
							grade 4 events	1969	1836	5267	2043	8775	5538
								1%	1%	2%	1%	4%	2%
							grade 5 events	6067	7038	19346	7142	21124	10271
								3%	4%	7%	4%	10%	4%
							grade 6 events	3241	3231	61626	3983	47584	13127
								1%	1%	25%	2%	23%	5%
							grade 7 events	165692	142234	100930	145412	85945	159282
								87%	85%	41%	84%	42%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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
[deg] Pointing RA	288.907458	288.8897357385817	Subarray requested	NONE	NONE
[deg] Pointing Dec	-24.197101	-24.17516672545939	Alternating exposures requested	N	N
[deg] Pointing Roll	95.507835	95.65720325985907	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
Phase constraints	Y	Y			
[d] Phase period	3.092455	3.092455			
[d] Phase epoch (MJD)	52891.020000	52891.020000			
Phase start	0.740000	0.740000			
Phase end	0.860000	0.860000			
Phase start error	0.030000	0.030000			
Phase end error	0.030000	0.030000			
[s] Observation start time (MET)	233087786.184000	233086425.13829			
Observation start date	2005-05-21T18:35:22	2005-05-21T18:13:45			
[s] Observation end time (MET)	233117786.184000	233119236.92729			
Observation end date	2005-05-22T02:55:22	2005-05-22T03:20:36			
Read mode	TIMED	TIMED			

2.3 Aspect



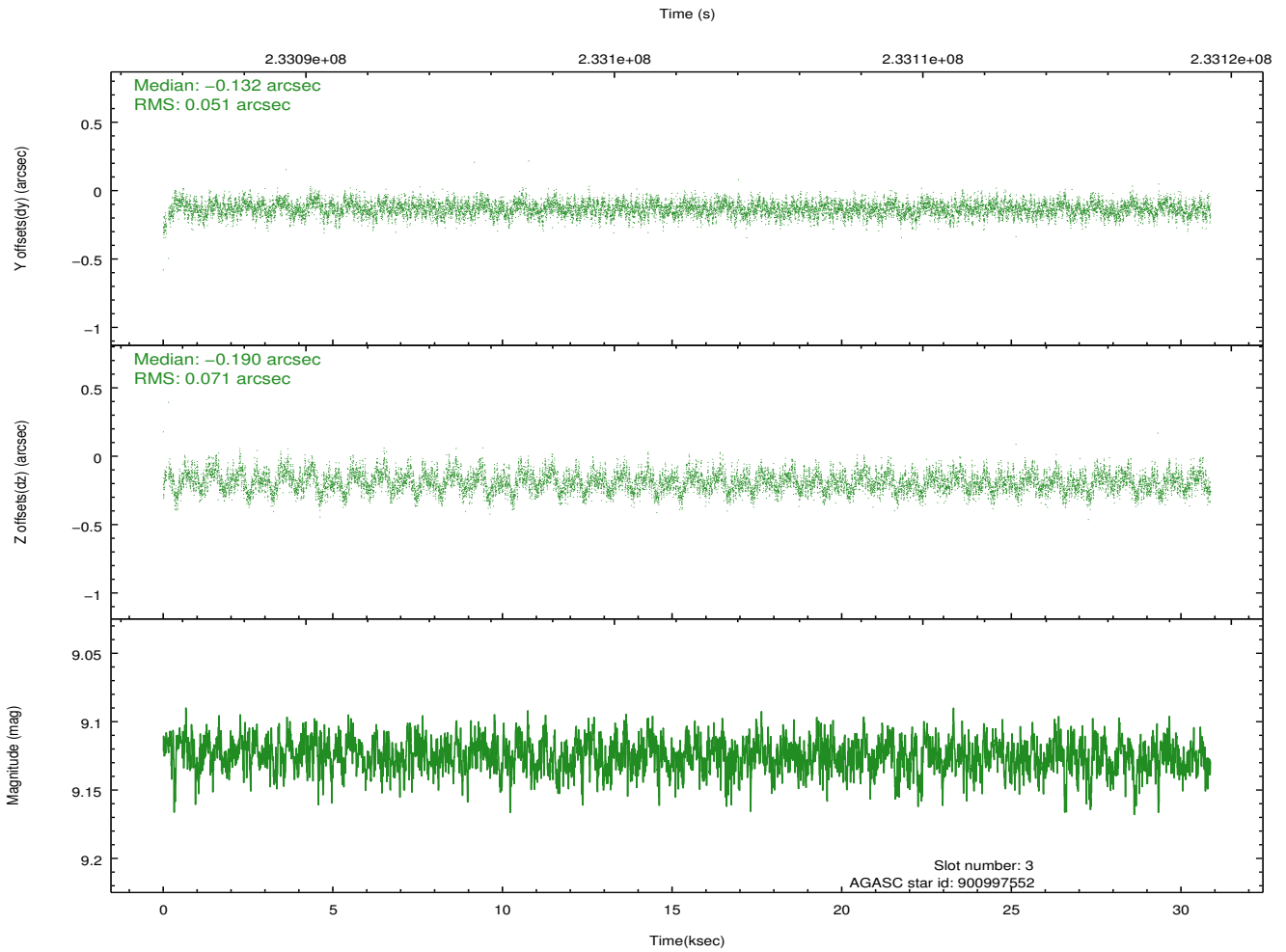
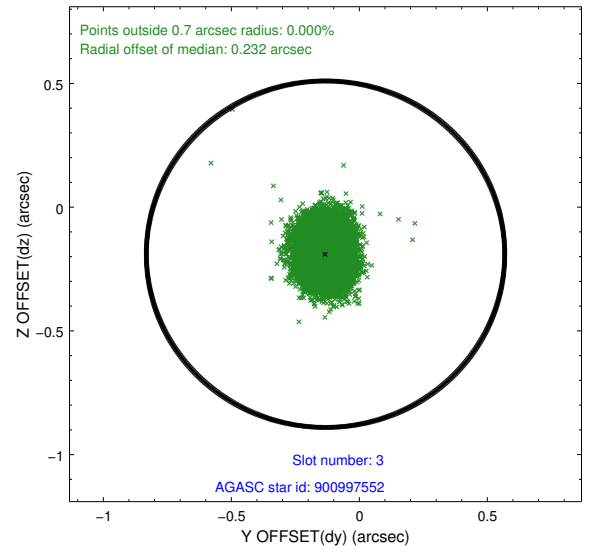
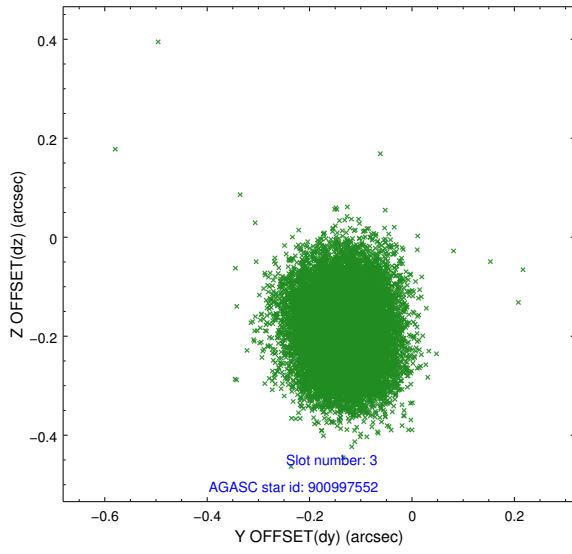
Slot Statistics

	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	7.10	7514	-0.046	-0.013	0.007
	FID	ACIS-S-4	7.21	7512	0.096	0.026	0.007
	FID	ACIS-S-5	7.23	7514	-0.082	-0.004	0.008
	GUIDE	900997552	9.12	15019	-0.132	-0.190	0.093
	GUIDE	901144560	8.68	15024	-0.093	0.181	0.074
	GUIDE	901514880	8.92	15027	0.117	-0.196	0.064
	GUIDE	901647096	9.15	15023	0.110	0.210	0.089
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

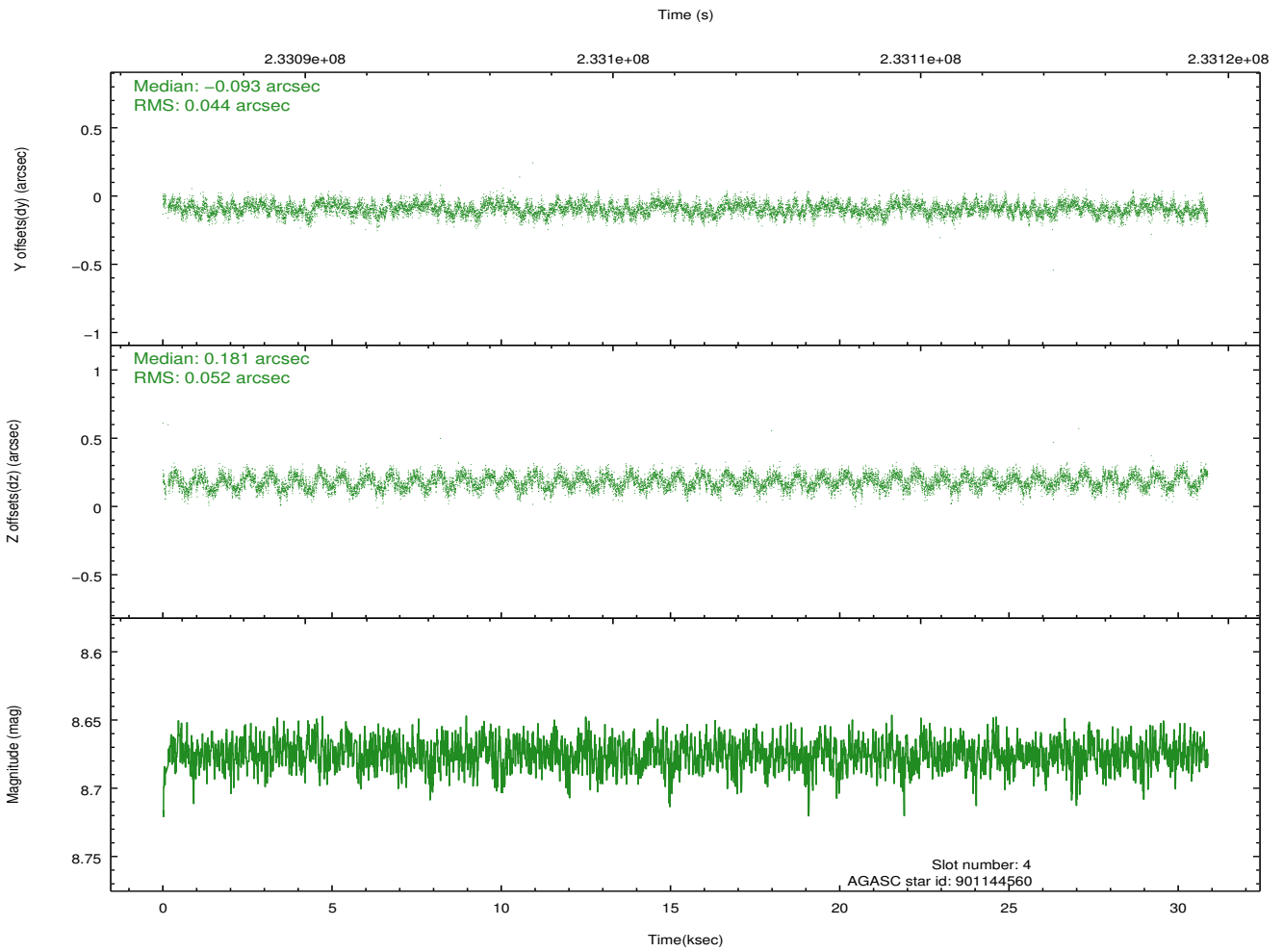
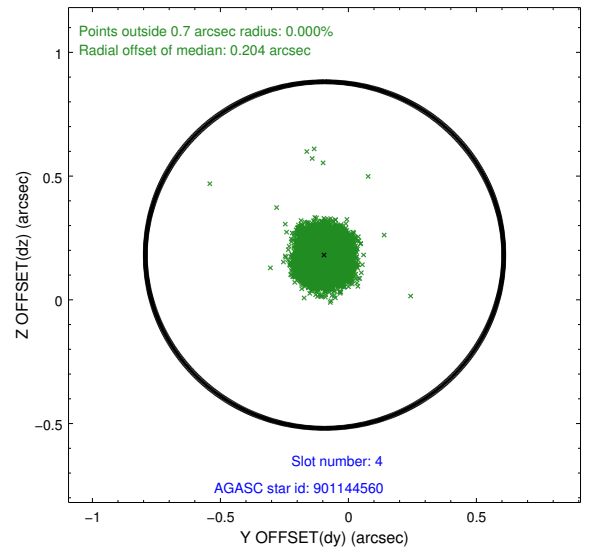
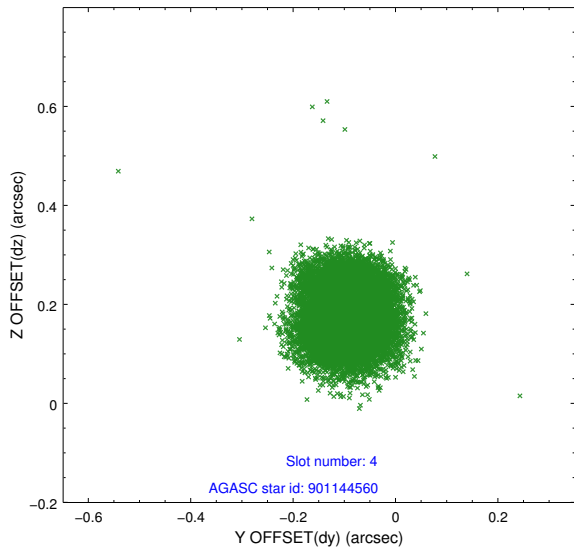
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2.4 Star Slots

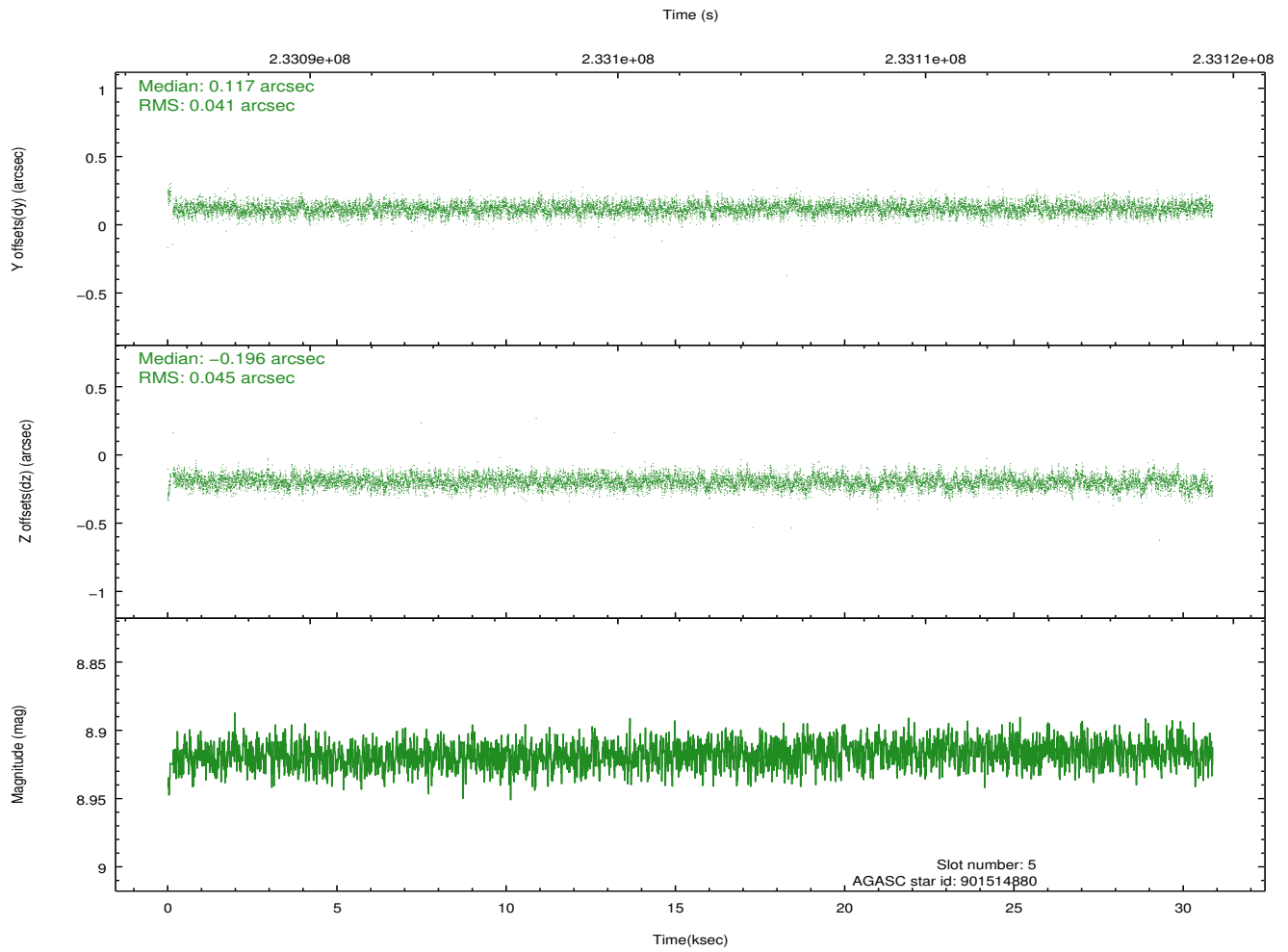
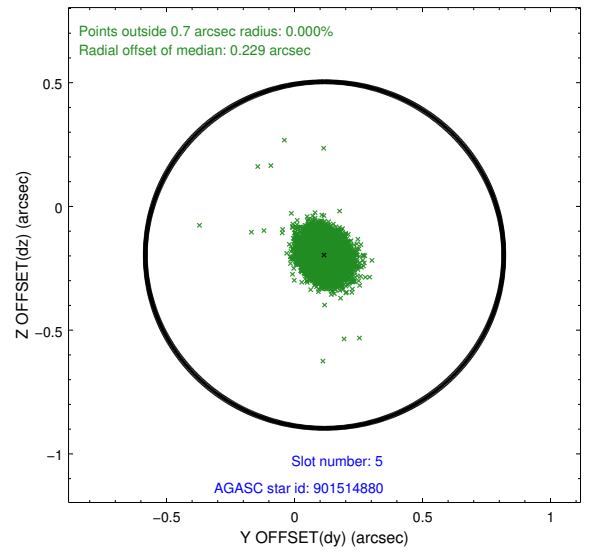
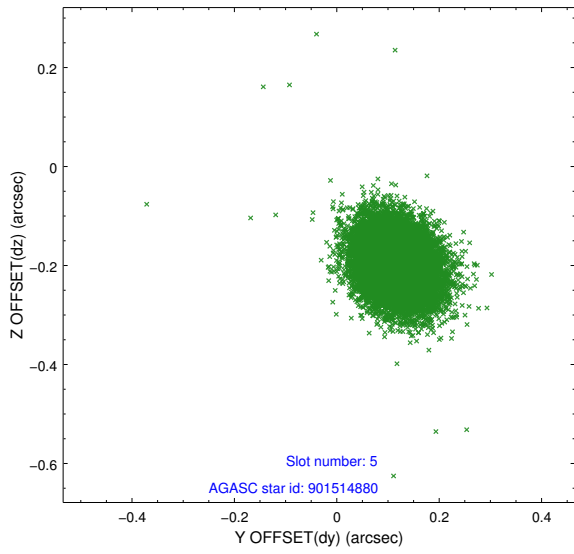
2.4.1 Slot 3



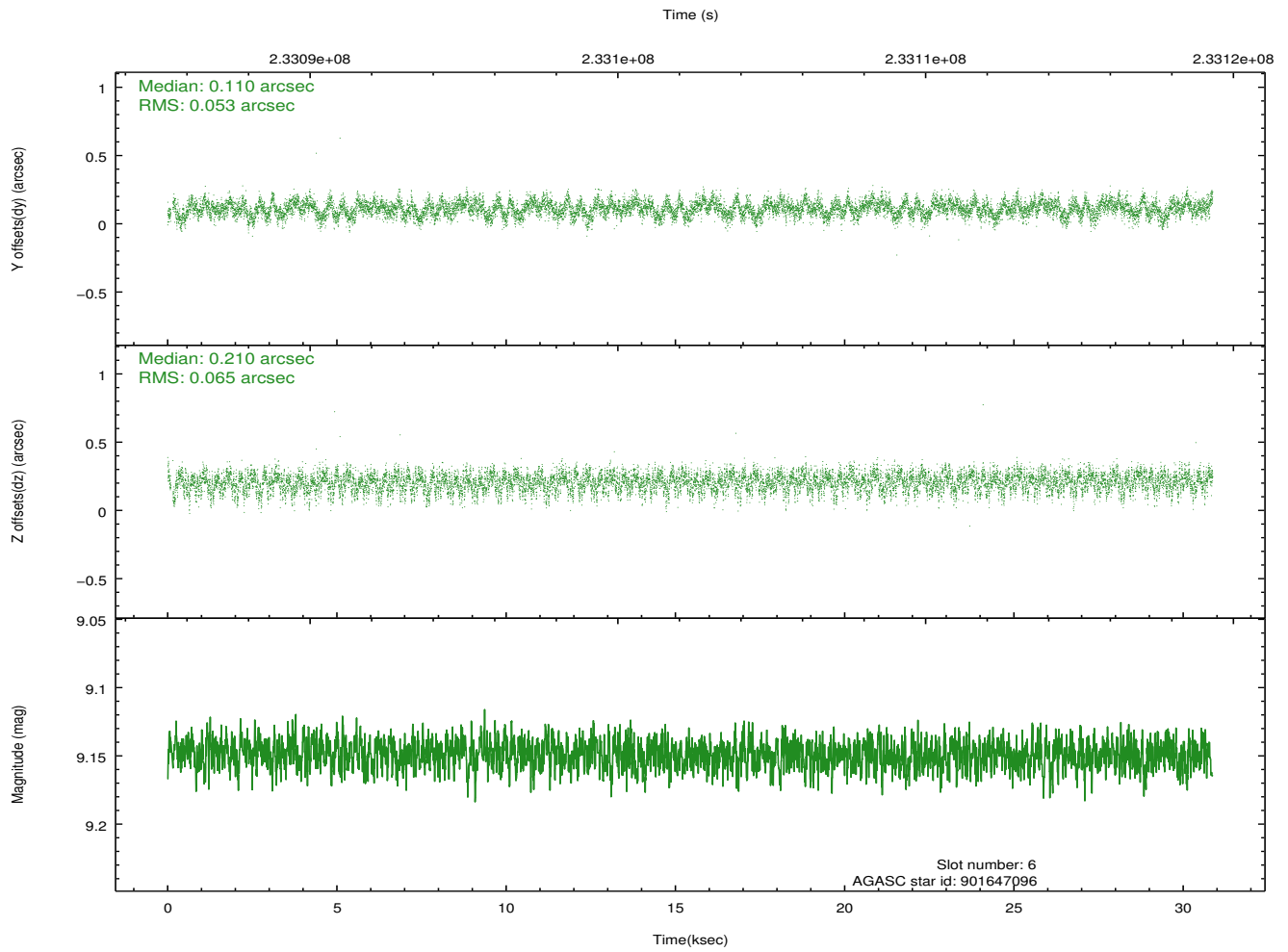
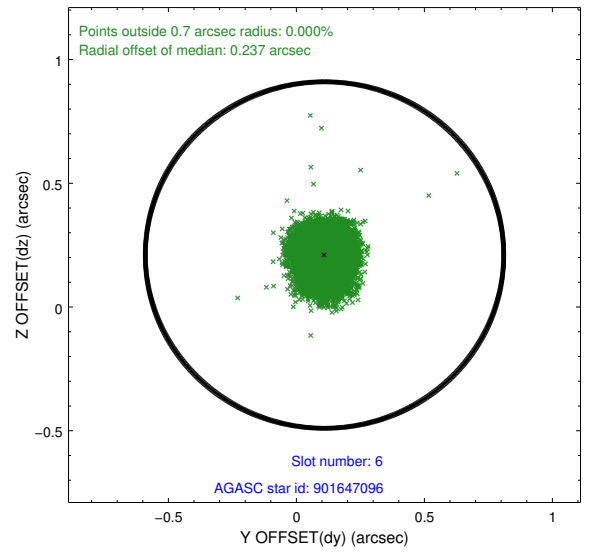
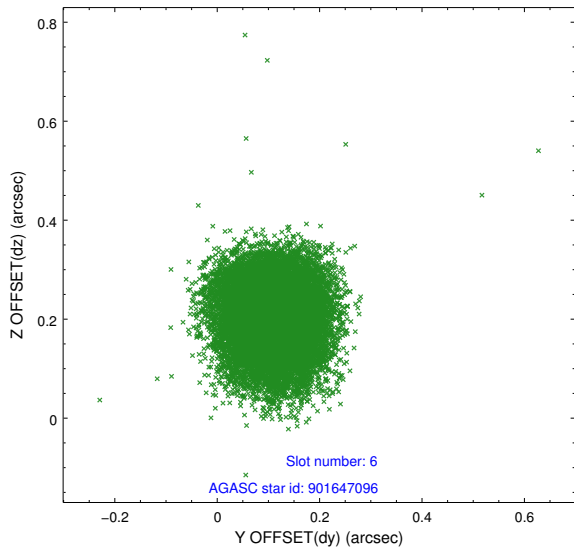
2.4.2 Slot 4



2.4.3 Slot 5

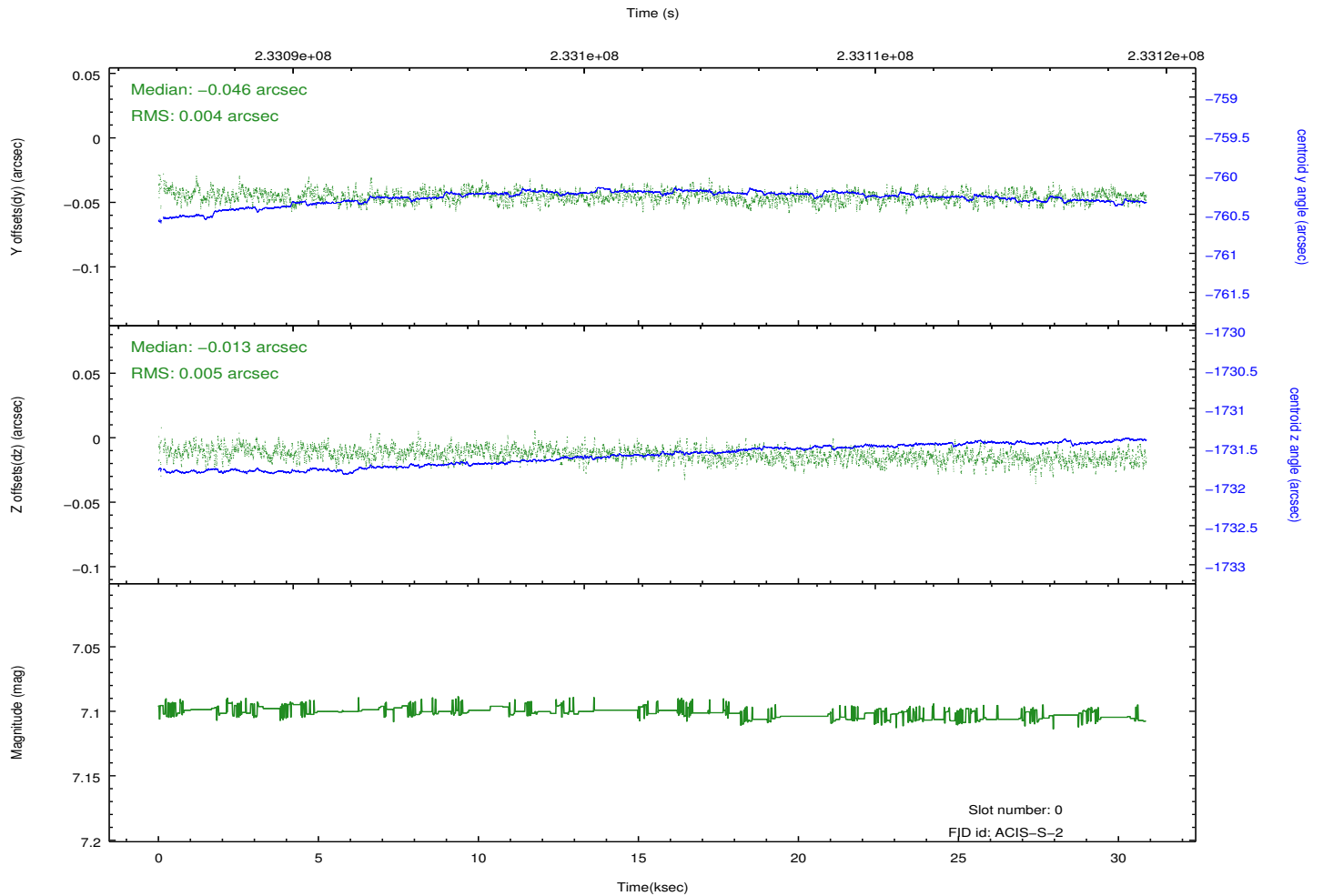
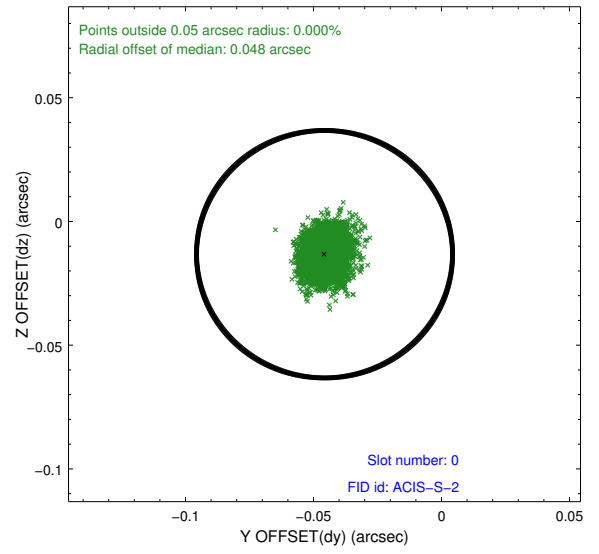
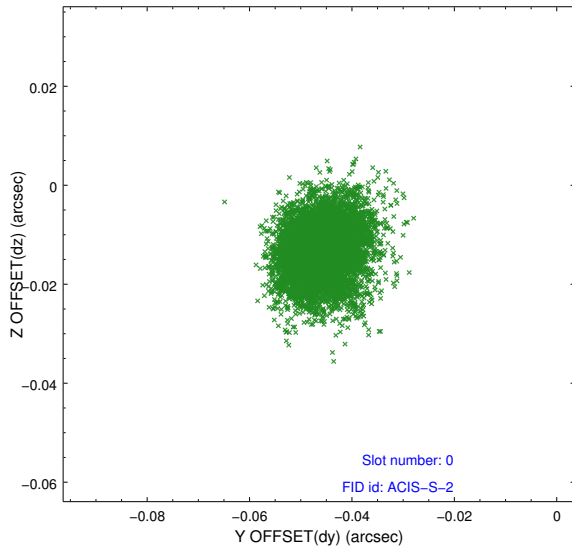


2.4.4 Slot 6

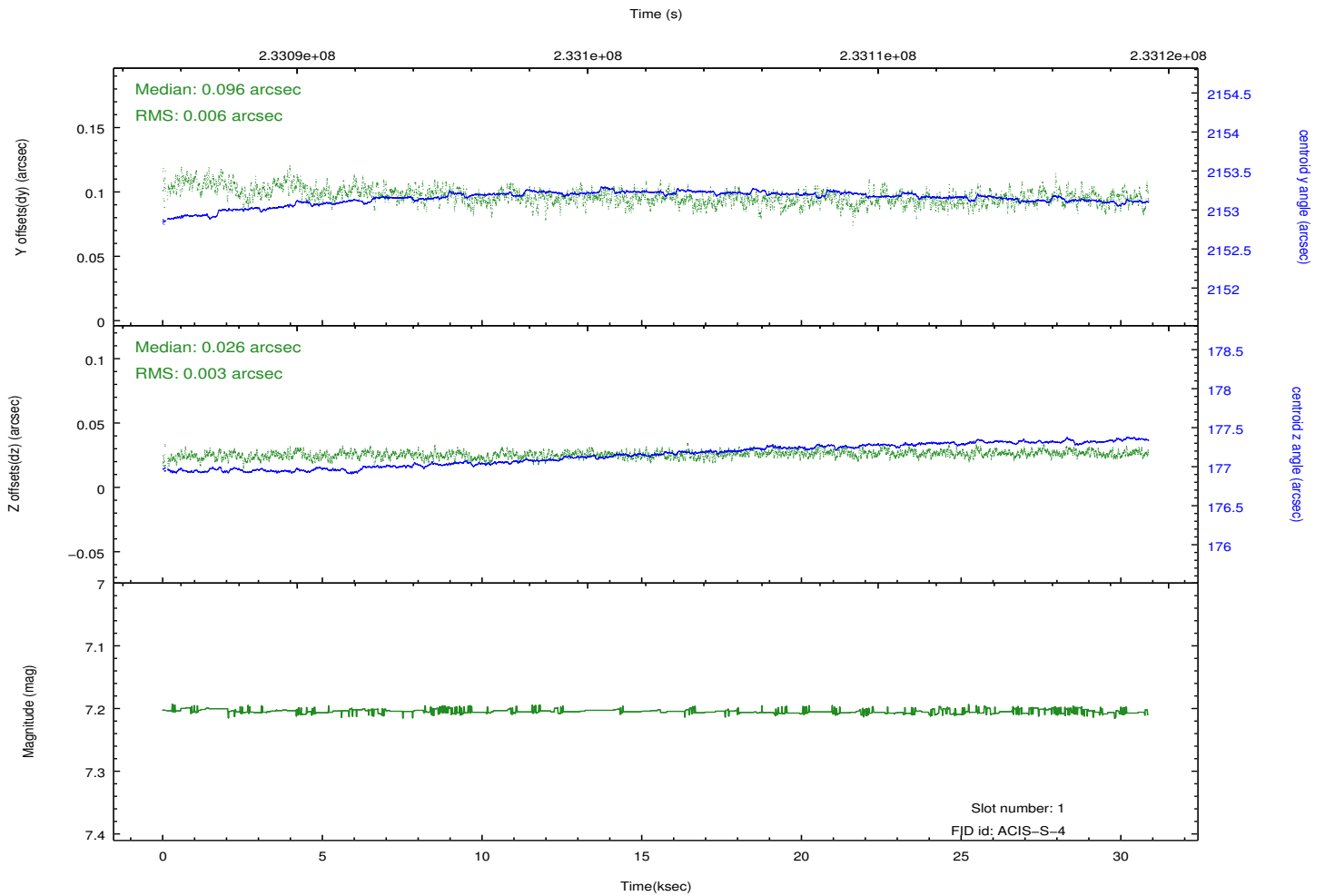
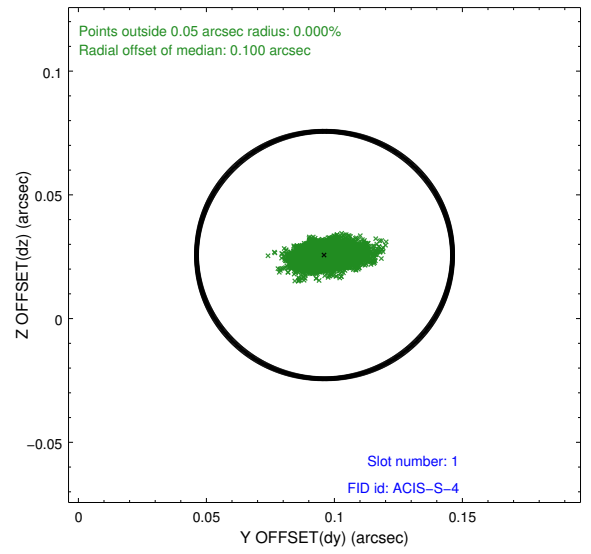
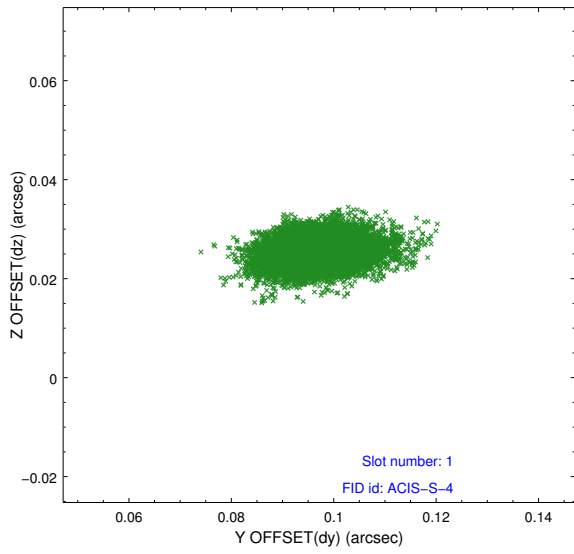


2.5 FID Slots

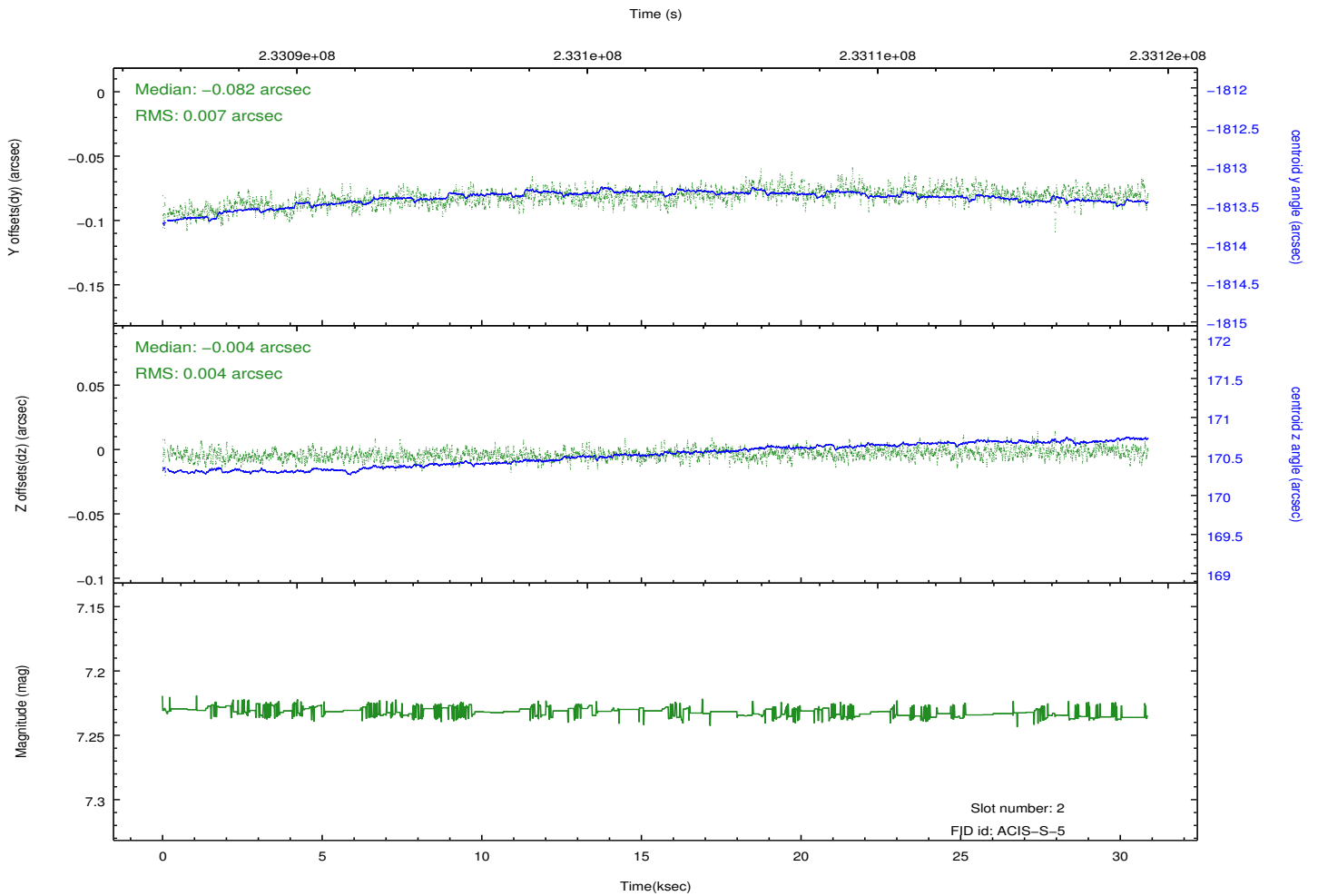
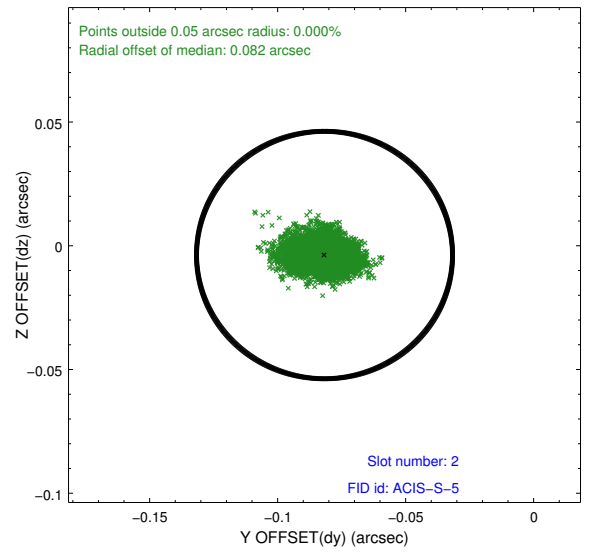
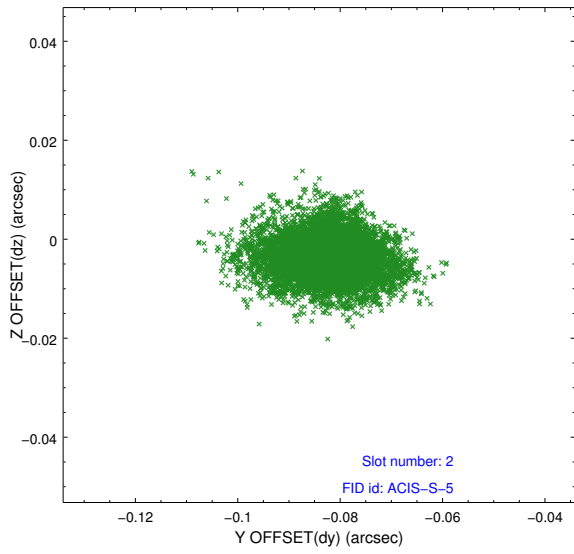
2.5.1 Slot 0



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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.95839

A.2 Comments

Joint Proposal: HST