

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3944 - L2 Version 3
Chandra X-Ray Center

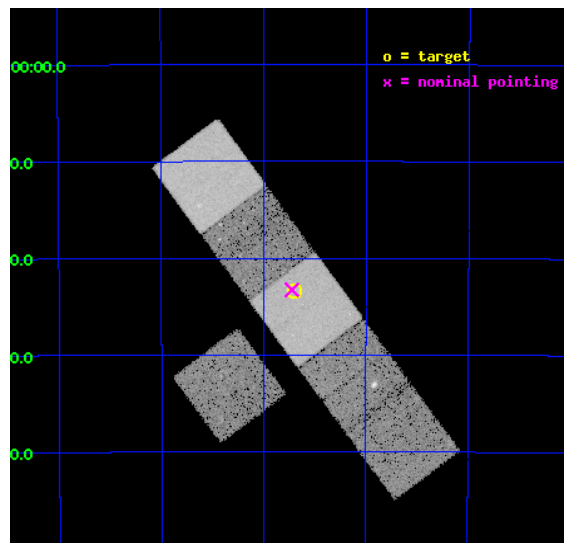
L2 Processing Date : Nov 1 2012

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1 Front

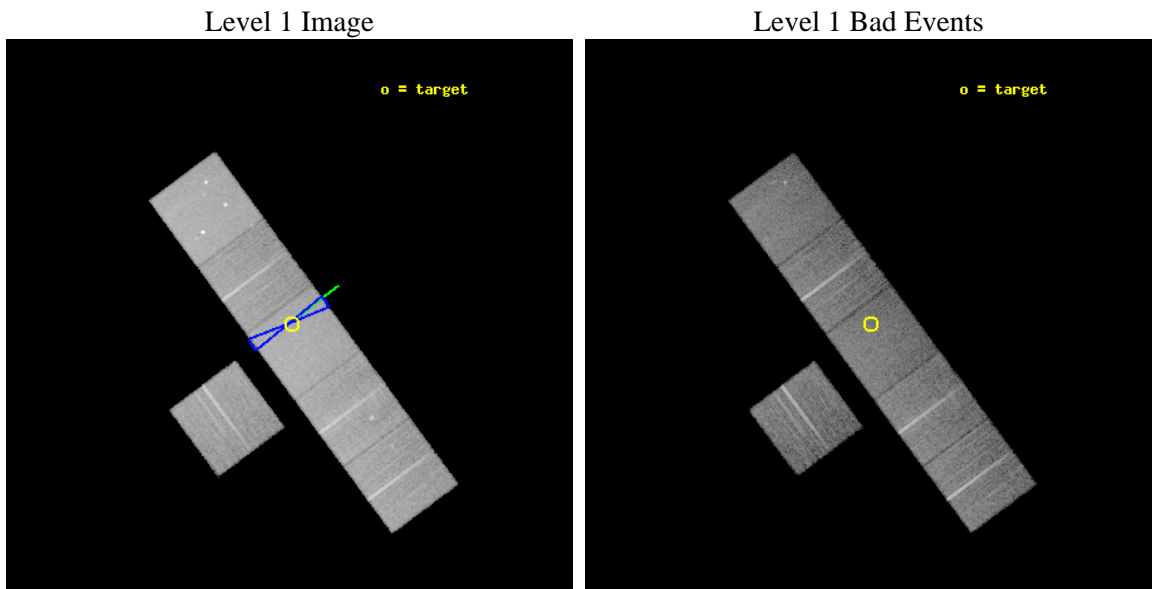
seq_num	600318	Sequence number
obs_id	3944	Observation id
title	LYMAN-ALPHA BLOBS AND THE FORMATION OF STRUCTURE AT HIGH REDSHIFT	
observer	Dr. Gerard Williger	Principal investigator
object	CLUS 214228-442029	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	325.675833	Observer's specified target RA [deg]
dec_targ	-44.39	Observer's specified target Dec [deg]
ra_nom	325.68101960406	Nominal RA [deg]
dec_nom	-44.387764913576	Nominal Dec [deg]
roll_nom	53.499293466784	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19307.616148144	Sum of GTIs [s]
livetime	19063.131486826	Livetime [s]
ontime3	19304.25205785	Sum of GTIs [s]
ontime5	19307.575108141	Sum of GTIs [s]
ontime6	19301.052107573	Sum of GTIs [s]
ontime7	19307.616148144	Sum of GTIs [s]
ontime8	19307.451988161	Sum of GTIs [s]
ontime9	19307.657188147	Sum of GTIs [s]
l2events	195298	Number of level 2 events



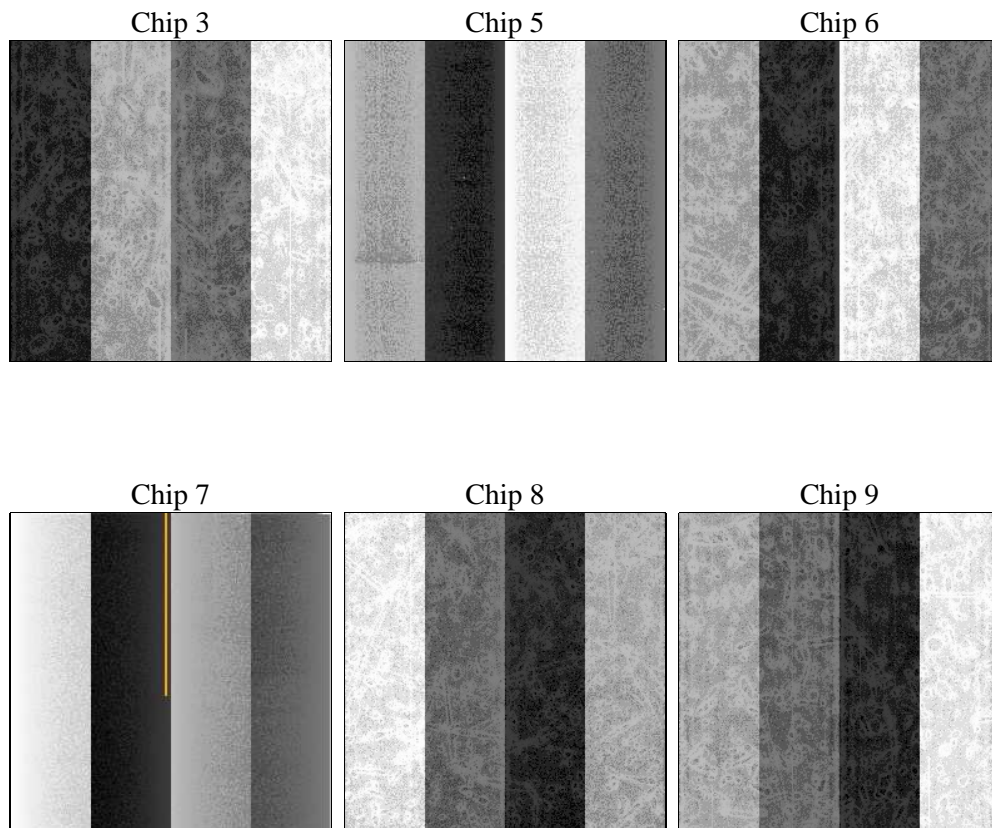
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19439.634000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19307.616148144	Sum of GTIs [s]
caldbver	4.5.2	 	ontime3	19304.25205785	Sum of GTIs [s]
date	2012-11-01T04:46:36	Date and time of file creation	ontime5	19307.575108141	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	19301.052107573	Sum of GTIs [s]
			ontime7	19307.616148144	Sum of GTIs [s]
			ontime8	19307.451988161	Sum of GTIs [s]
			ontime9	19307.657188147	Sum of GTIs [s]
			l1events	849584	Number of level 1 events

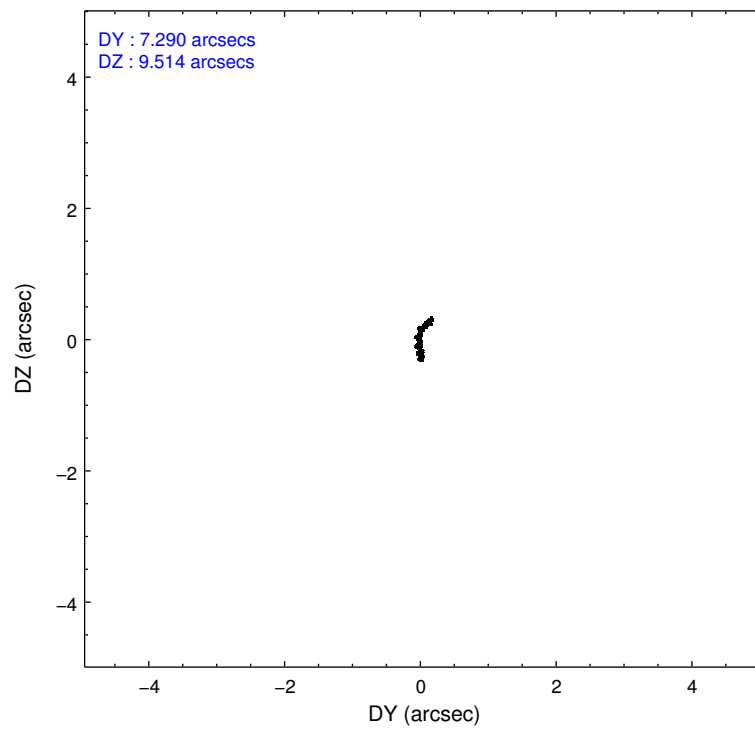
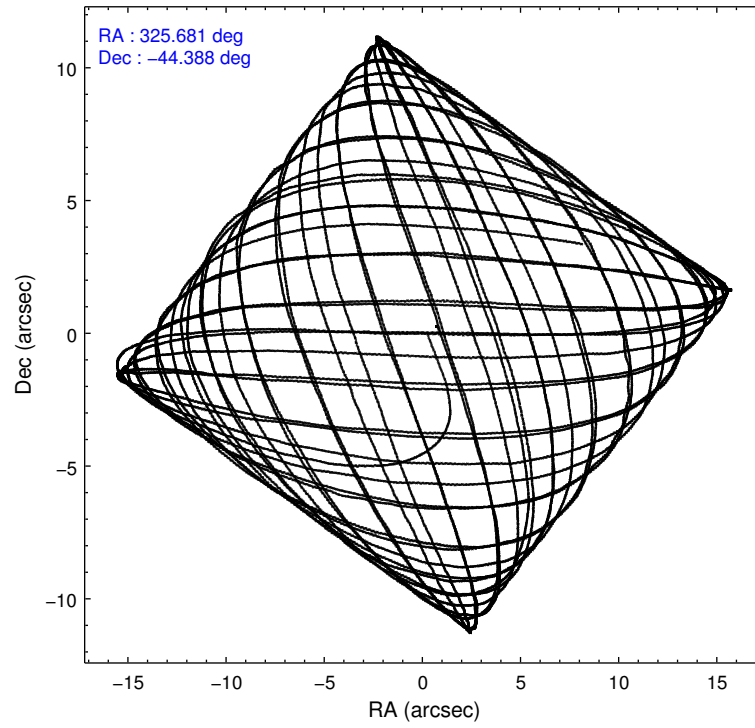
2.1.4 Events

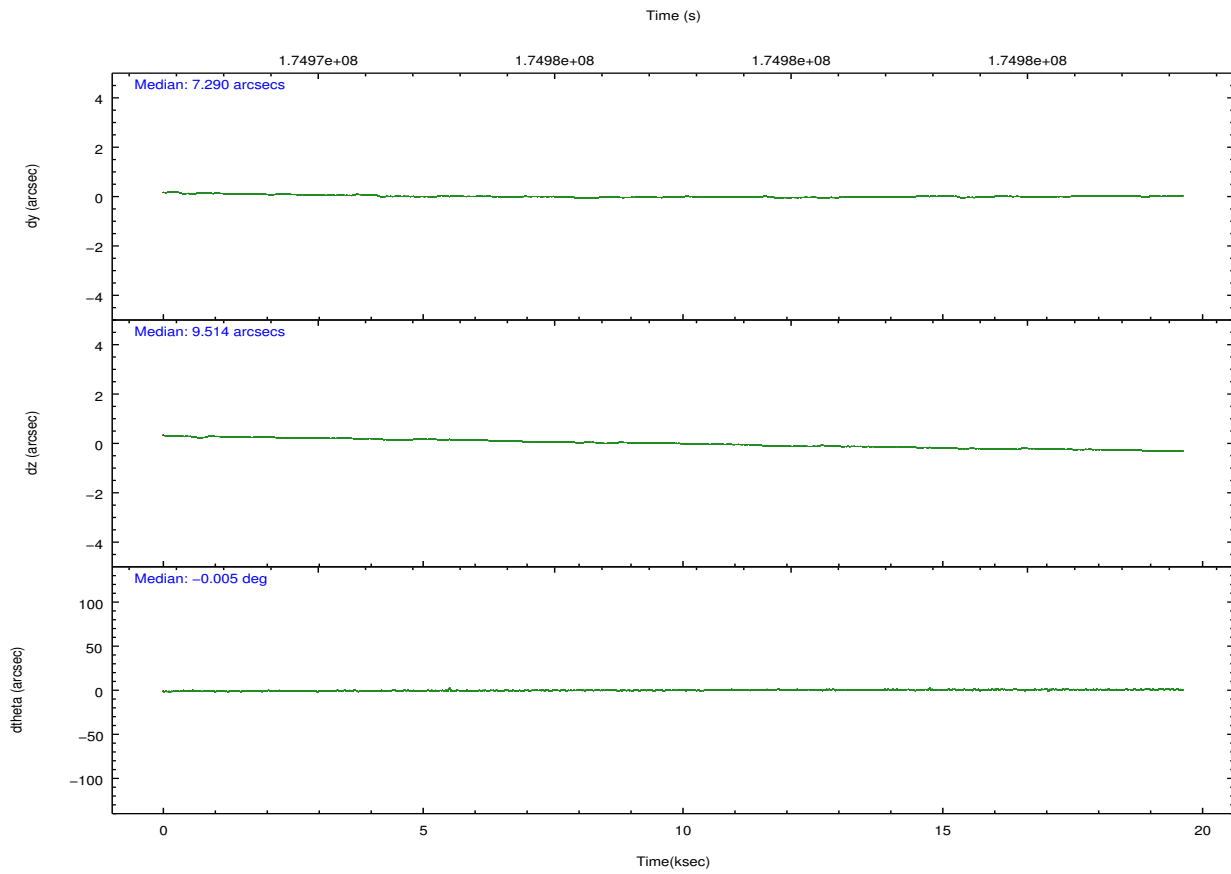
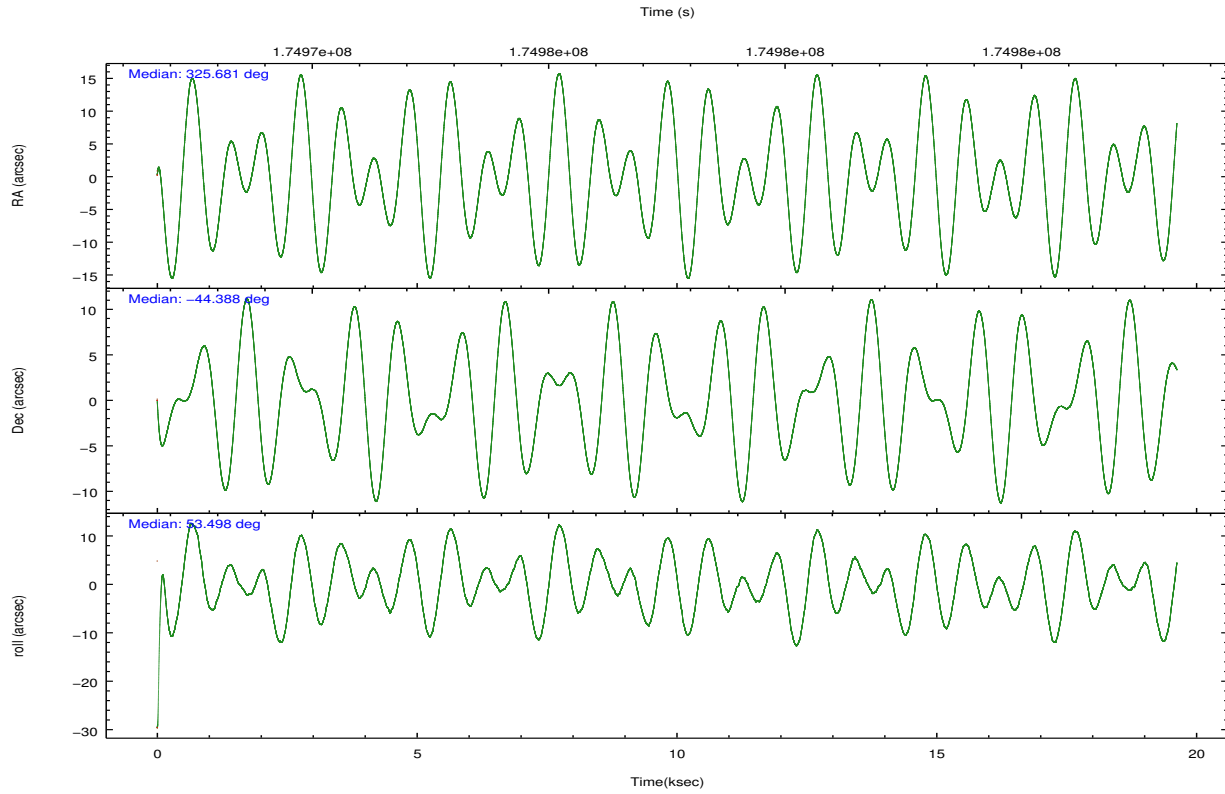
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	116126	180495	119481	161697	148271	123514	grade 0 events	6066	11776	6120	6484	10476	6283
rejected events	102213	95765	104751	94345	116664	108585		5%	6%	5%	4%	7%	5%
rejected %	88%	53%	87%	58%	78%	87%	grade 1 events	66	163	46	144	98	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	2606	24470	2978	13142	6836	2859
								2%	13%	2%	8%	4%	2%
							grade 3 events	1433	3374	1396	5927	3220	1499
								1%	1%	1%	3%	2%	1%
							grade 4 events	1402	3030	1419	6042	3139	1389
								1%	1%	1%	3%	2%	1%
							grade 5 events	5139	13091	5414	15399	7074	5914
								4%	7%	4%	9%	4%	4%
							grade 6 events	2414	42103	2822	35778	7942	2904
								2%	23%	2%	22%	5%	2%
							grade 7 events	97000	82488	99286	78781	109486	102585
								83%	45%	83%	48%	73%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-356789	ACIS-356789	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	325.677268	325.6810196040636	Subarray requested	NONE	NONE
[deg] Pointing Dec	-44.414859	-44.38776491357556	Alternating exposures requested	N	N
[deg] Pointing Roll	53.340057	53.49929346678378	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	60.000000	60.000000			
[deg] Roll tolerance	9.000000	9.000000			
Roll constraint allows 180D rotation	Y	Y			
[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			
[s] Observation start time (MET)	174967877.184000	174966830.54339			
Observation start date	2003-07-19T02:10:13	2003-07-19T01:53:50			
[s] Observation end time (MET)	174987316.184000	174987631.38177			
Observation end date	2003-07-19T07:34:12	2003-07-19T07:40:31			
Read mode	TIMED	TIMED			

2.3 Aspect





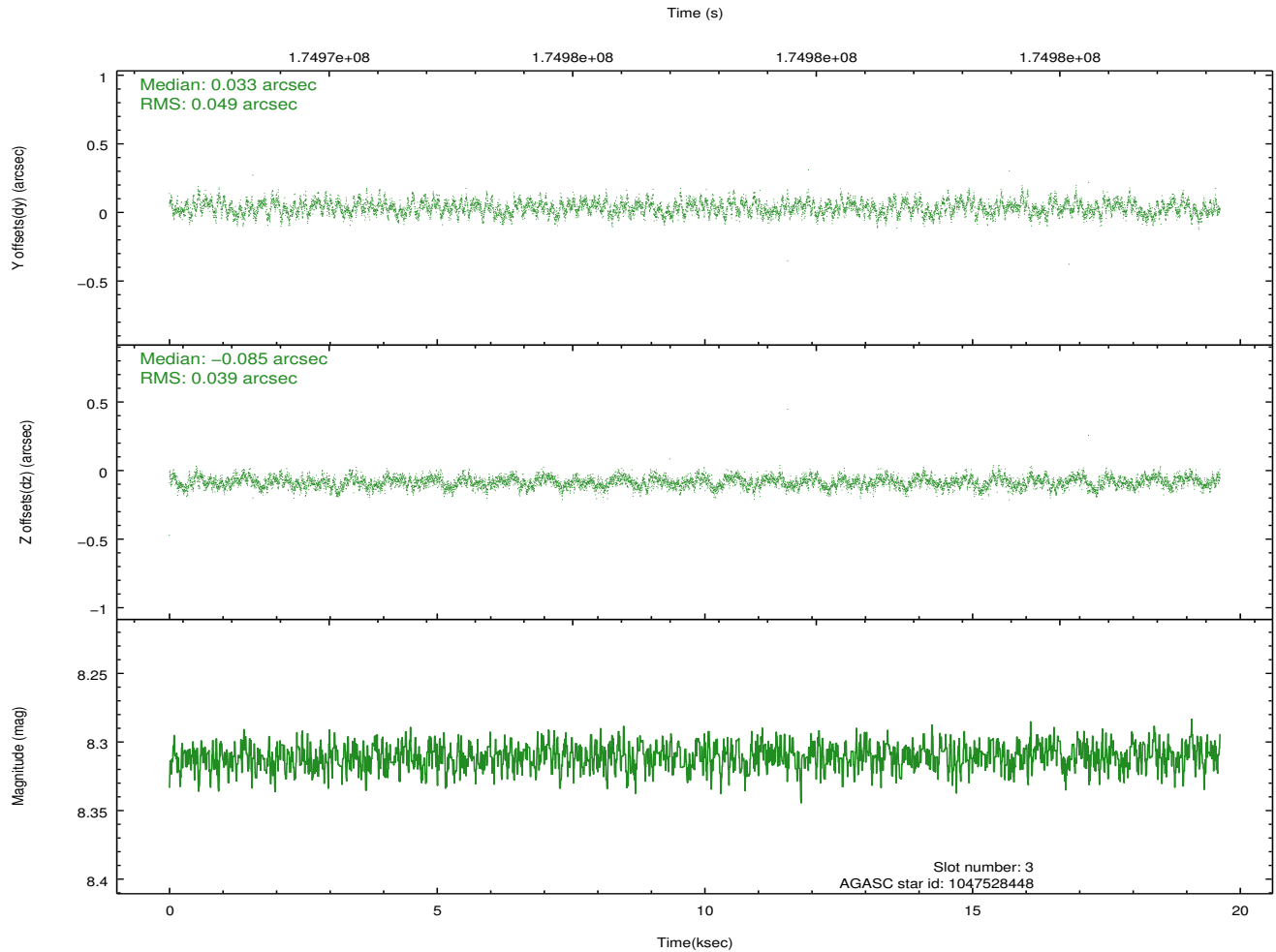
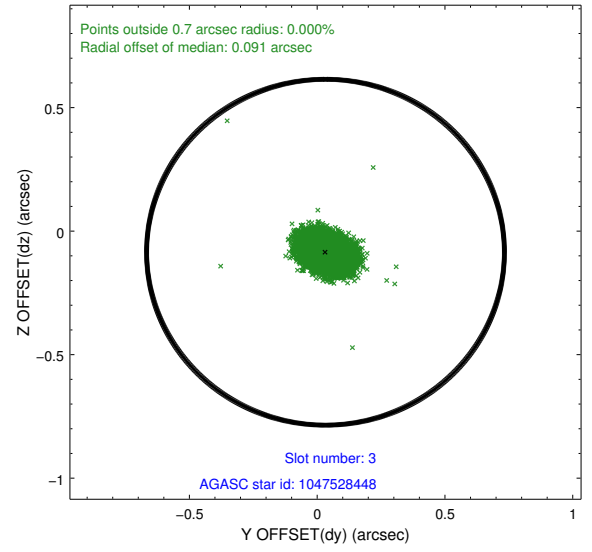
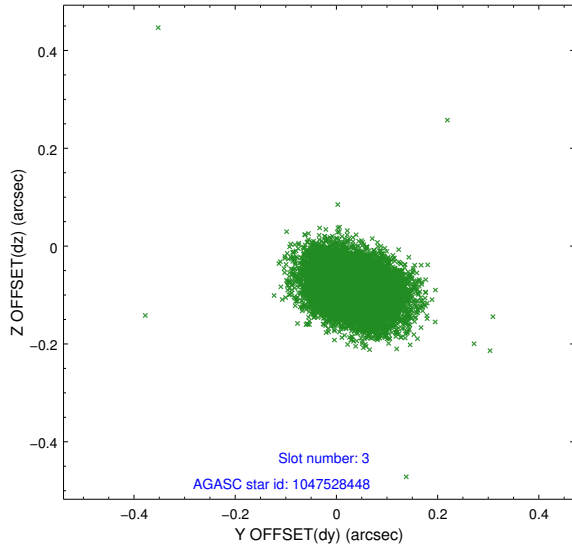
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4786	-0.037	-0.029	0.008	0.013	0.000000	0.000000	-760.07	-1730.78
1	FID	ACIS-S-4	7.20	4787	0.069	0.026	0.006	0.010	0.000000	0.000000	2153.19	177.60
2	FID	ACIS-S-5	7.23	4787	-0.063	0.012	0.009	0.014	0.000000	0.000000	-1812.72	171.42
3	GUIDE	1047528448	8.31	9573	0.033	-0.085	0.066	0.106	324.884357	-44.582415	-1705.30	1264.86
4	GUIDE	1047660664	8.66	9571	-0.027	-0.137	0.071	0.113	325.639757	-44.216764	514.43	503.52
5	GUIDE	1047661800	9.92	9568	0.060	0.156	0.109	0.177	325.702038	-44.957062	-1527.66	-1215.81
6	GUIDE	1047664568	9.83	9568	0.019	0.073	0.123	0.197	326.227415	-44.482821	643.86	-1282.46
7	GUIDE	1047665120	9.80	9564	-0.083	0.002	0.168	0.261	325.815369	-43.973085	1489.49	662.37

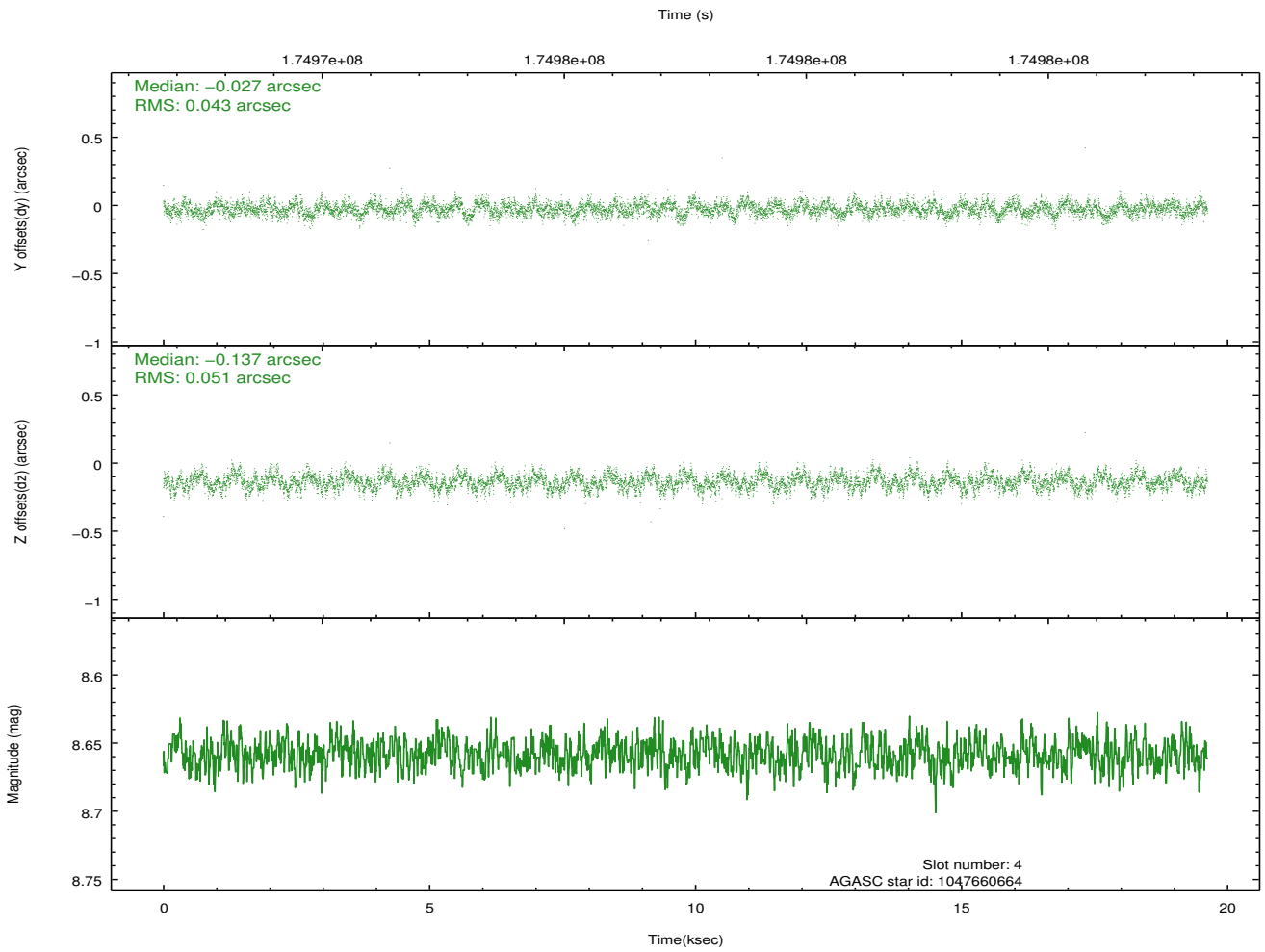
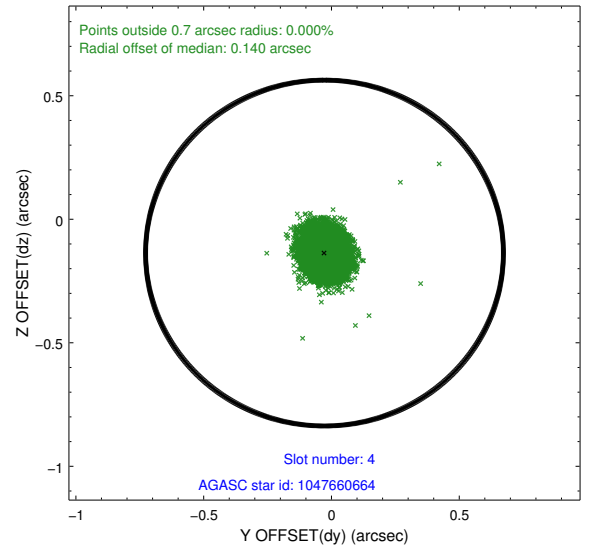
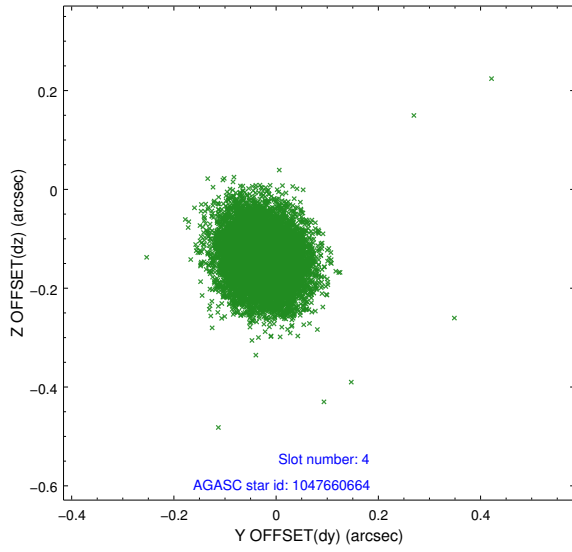
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2.4 Star Slots

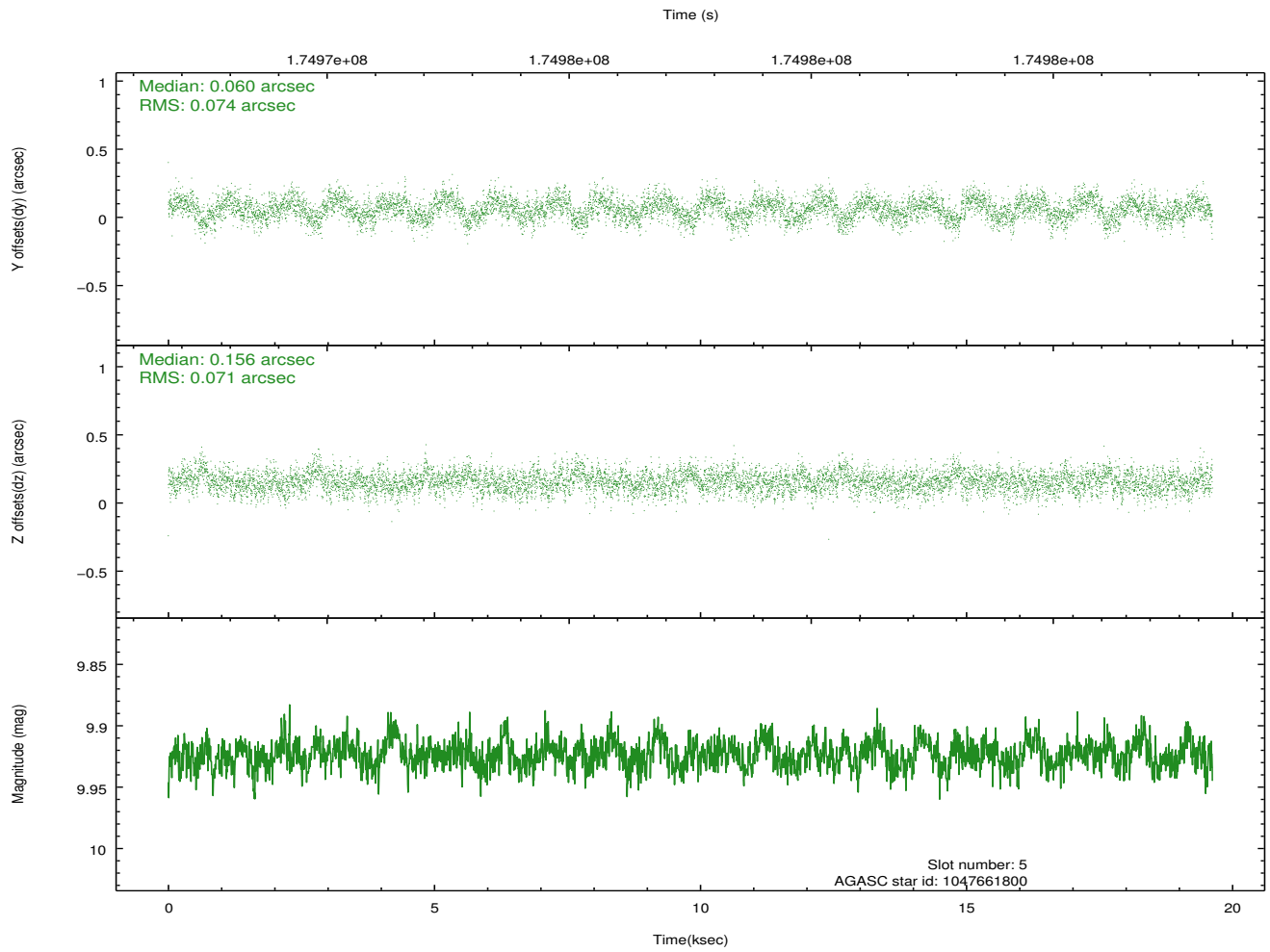
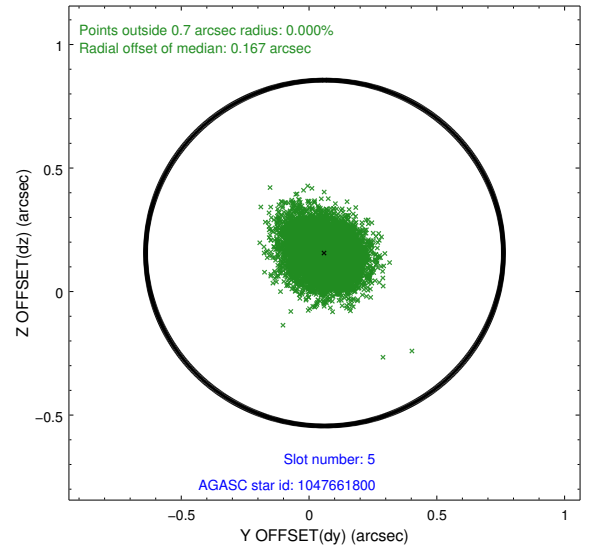
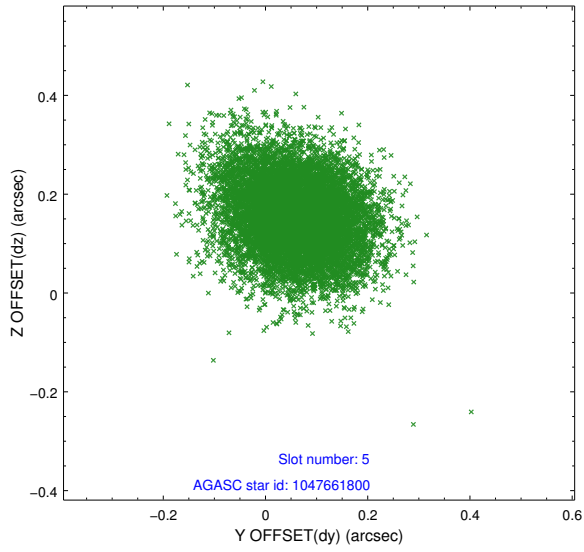
2.4.1 Slot 3



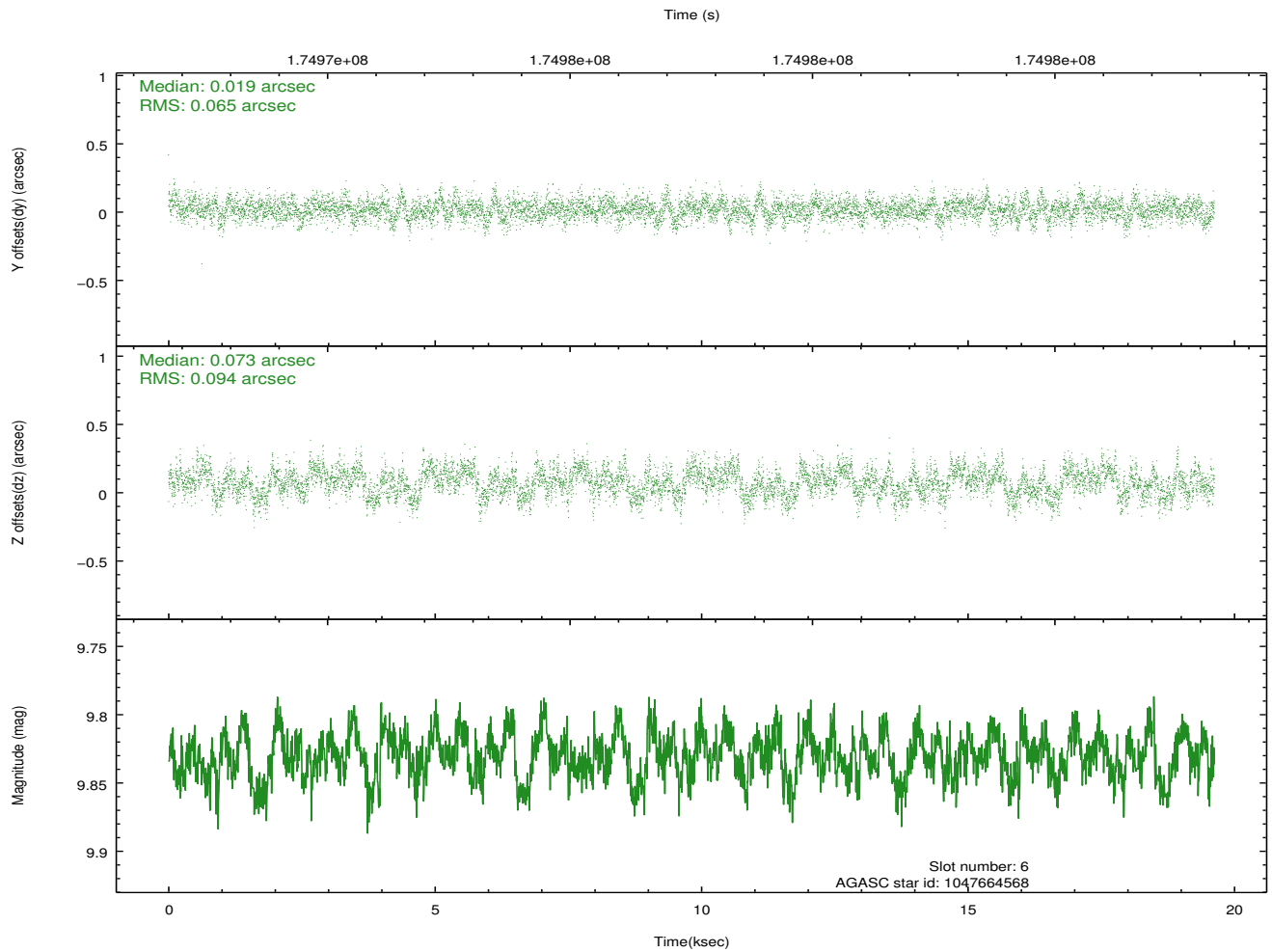
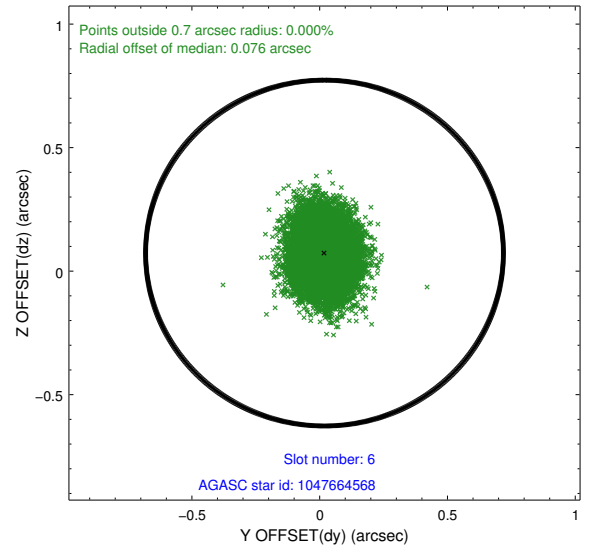
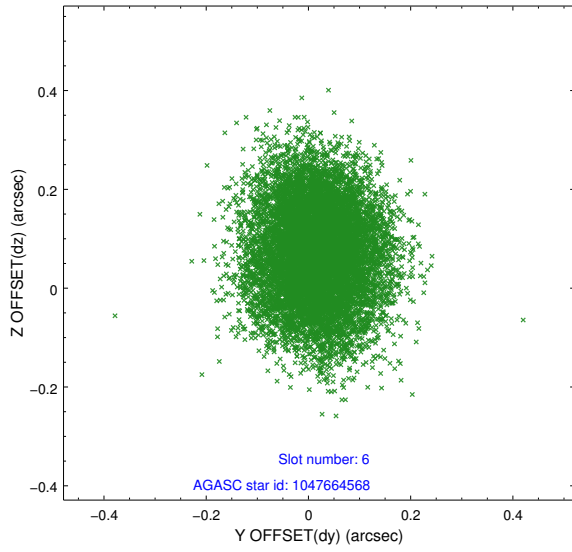
2.4.2 Slot 4



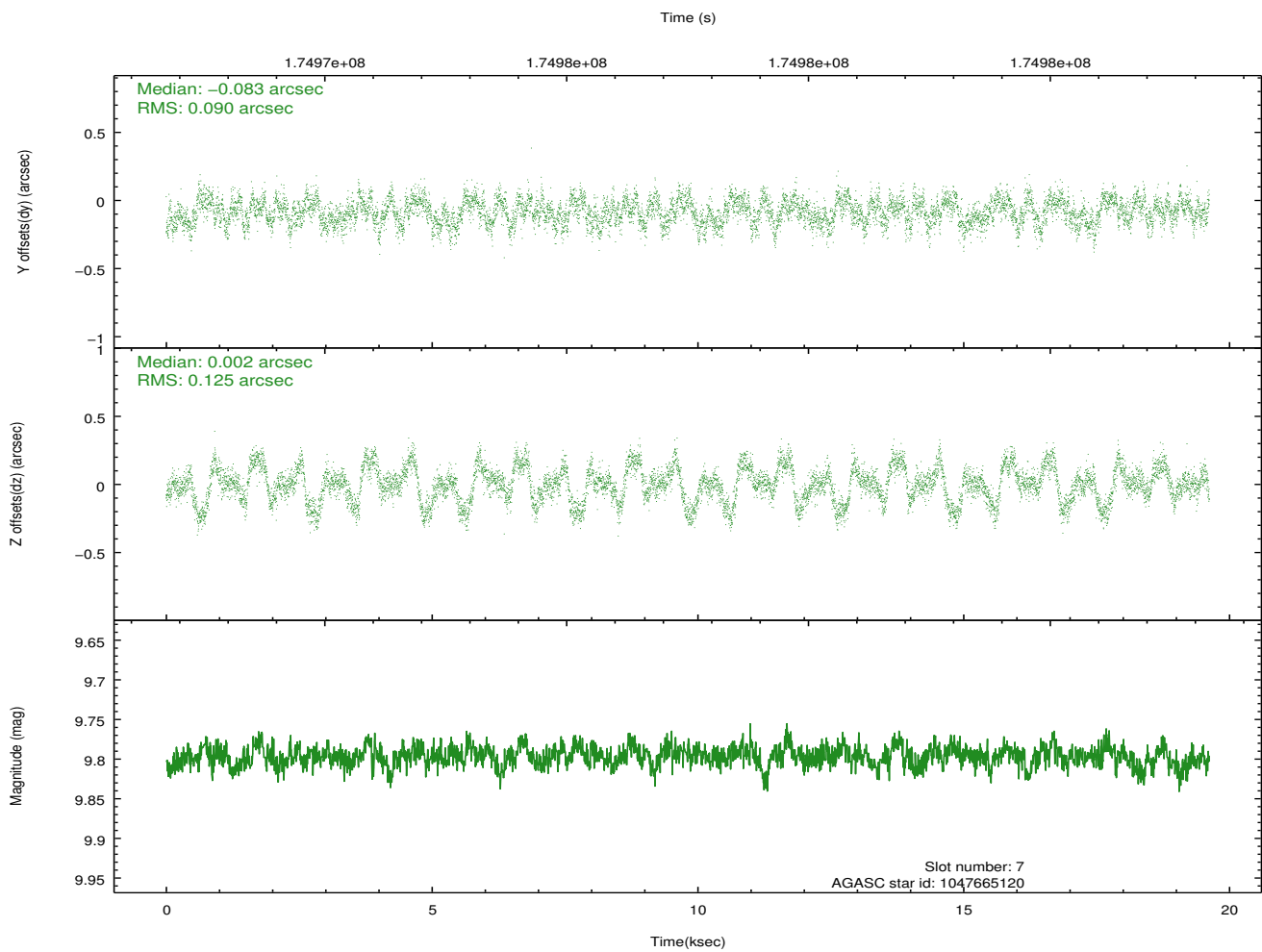
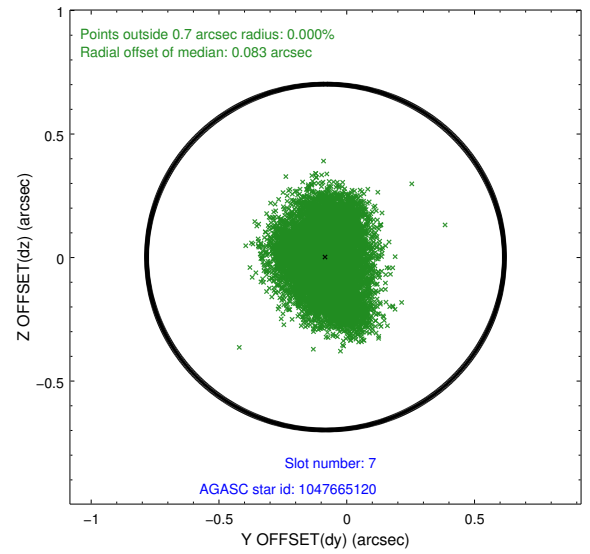
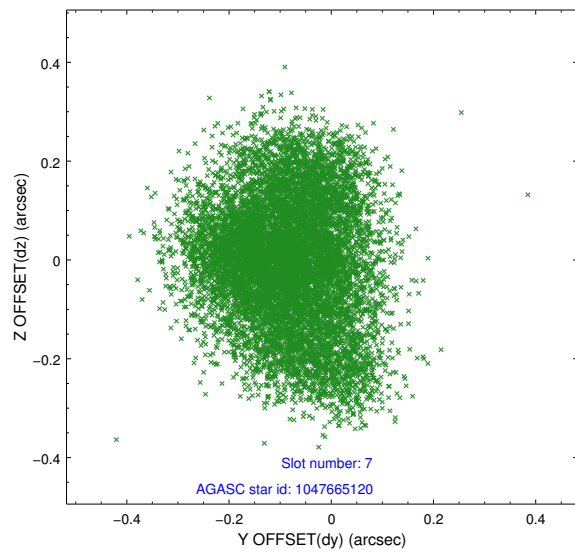
2.4.3 Slot 5



2.4.4 Slot 6

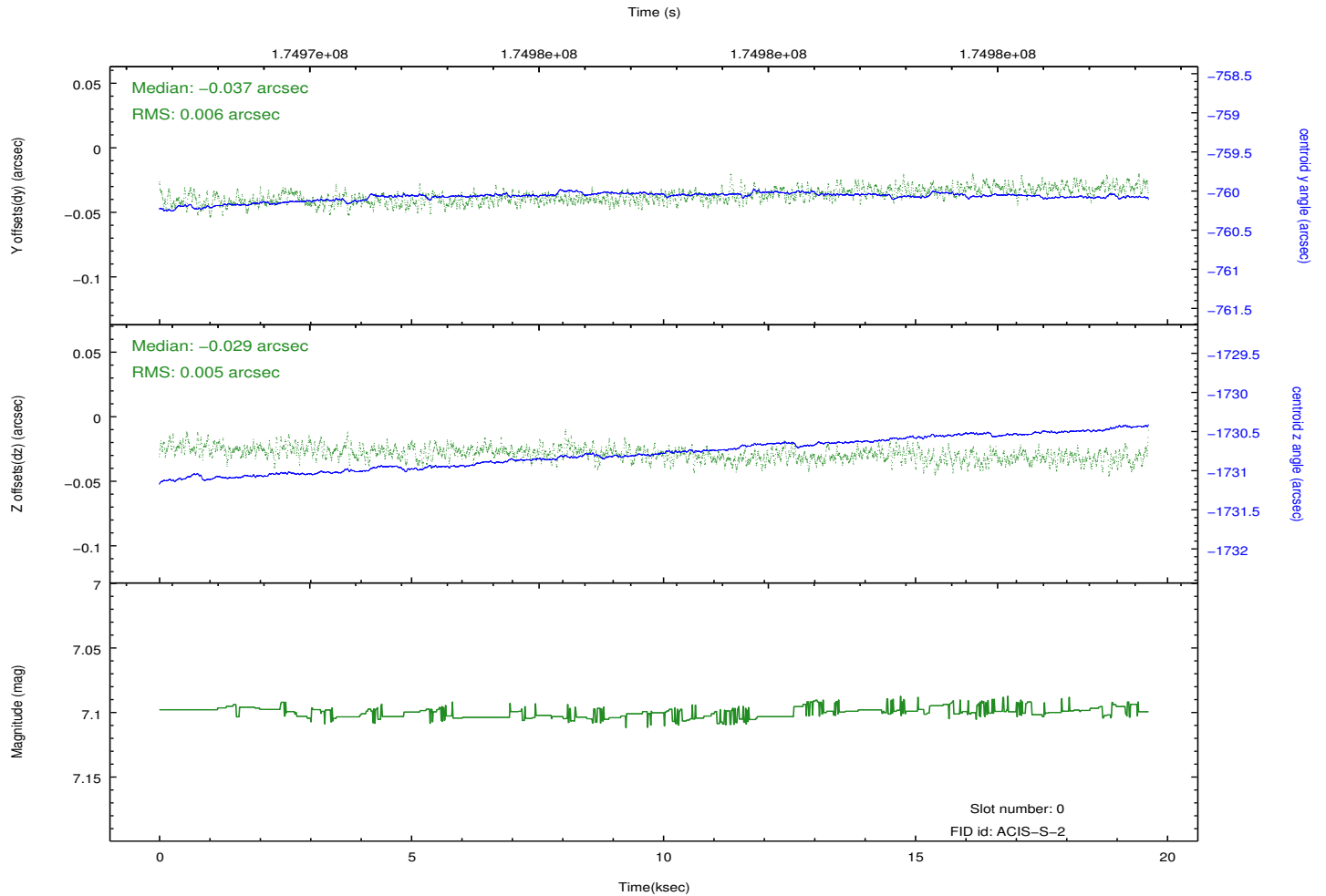
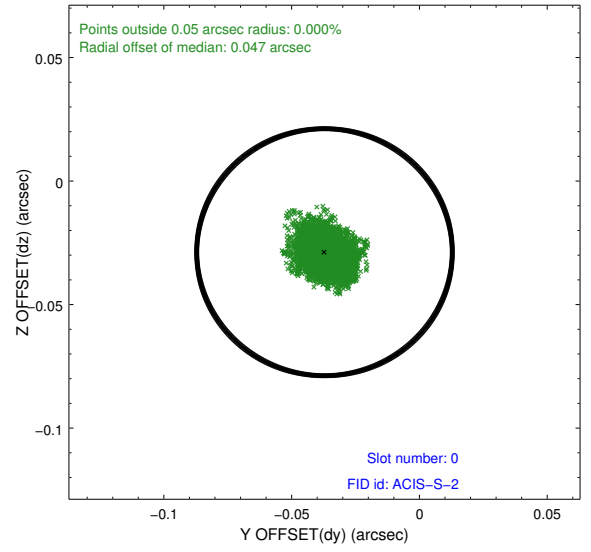
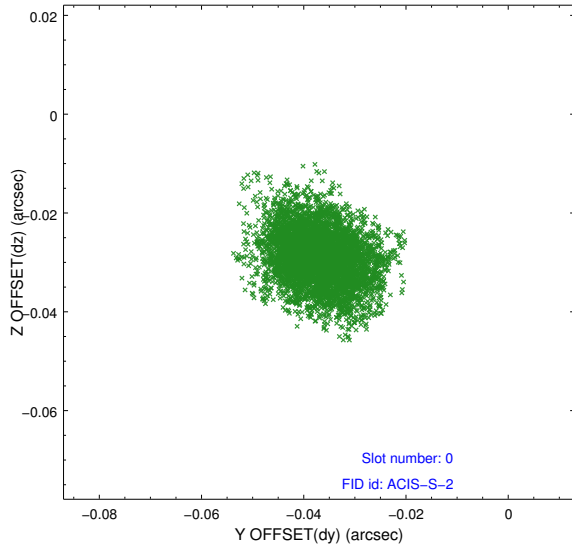


2.4.5 Slot 7

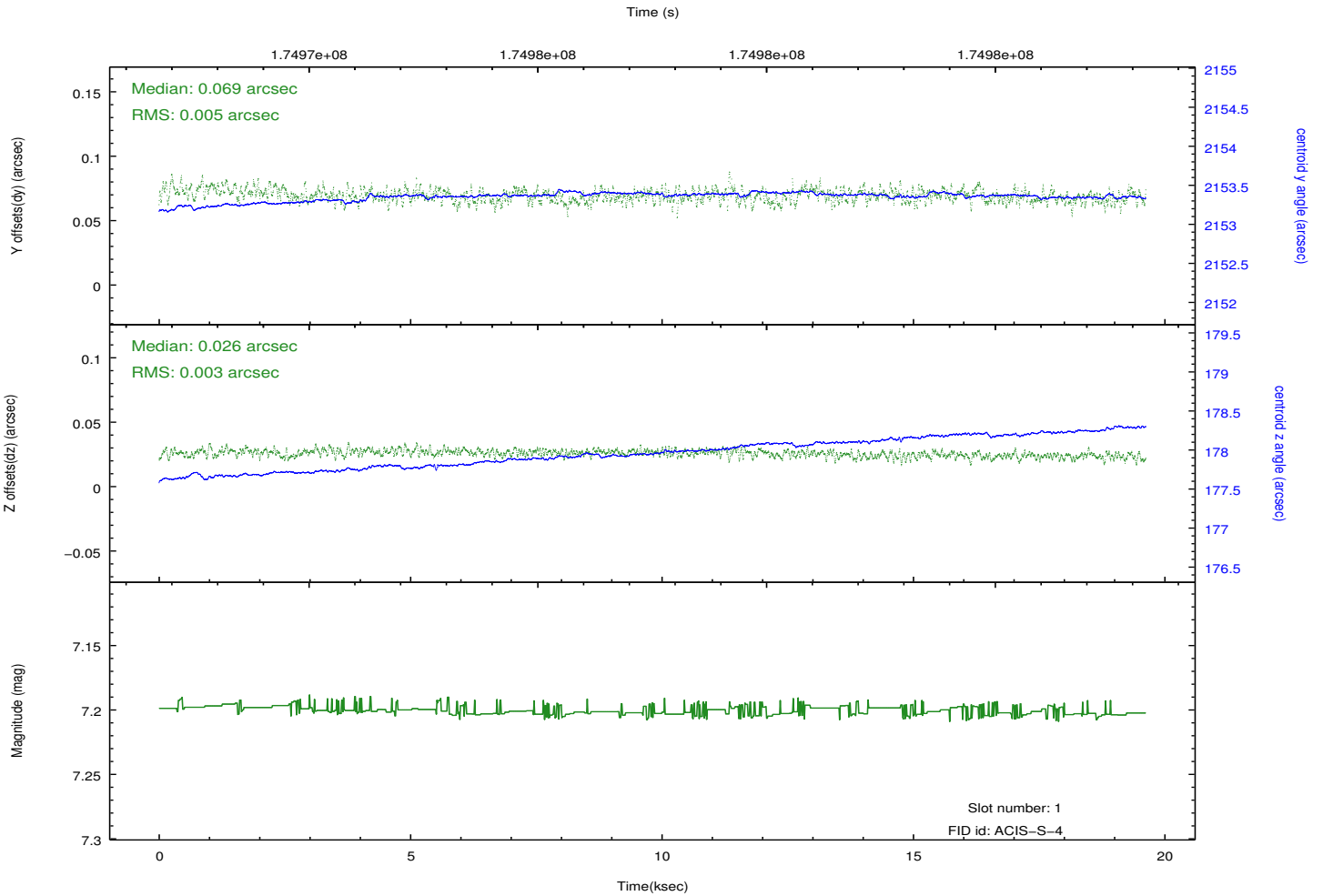
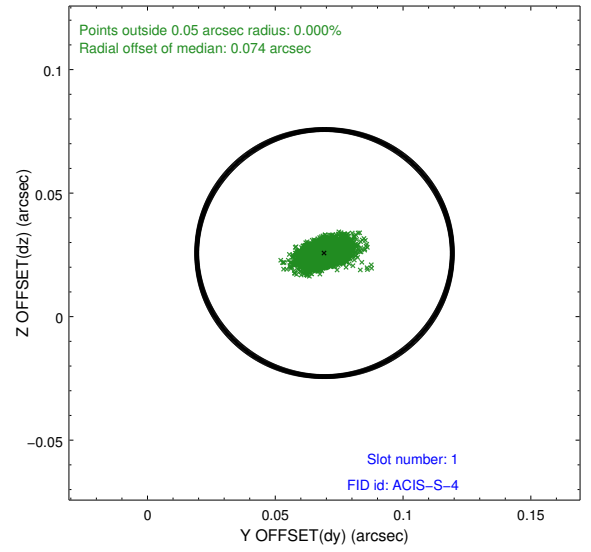
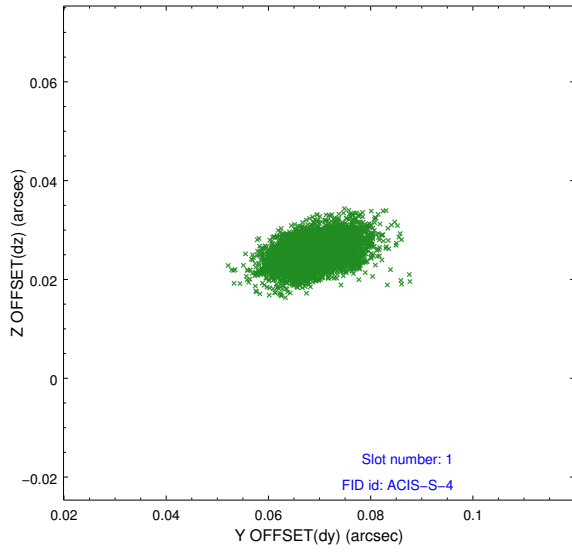


2.5 FID Slots

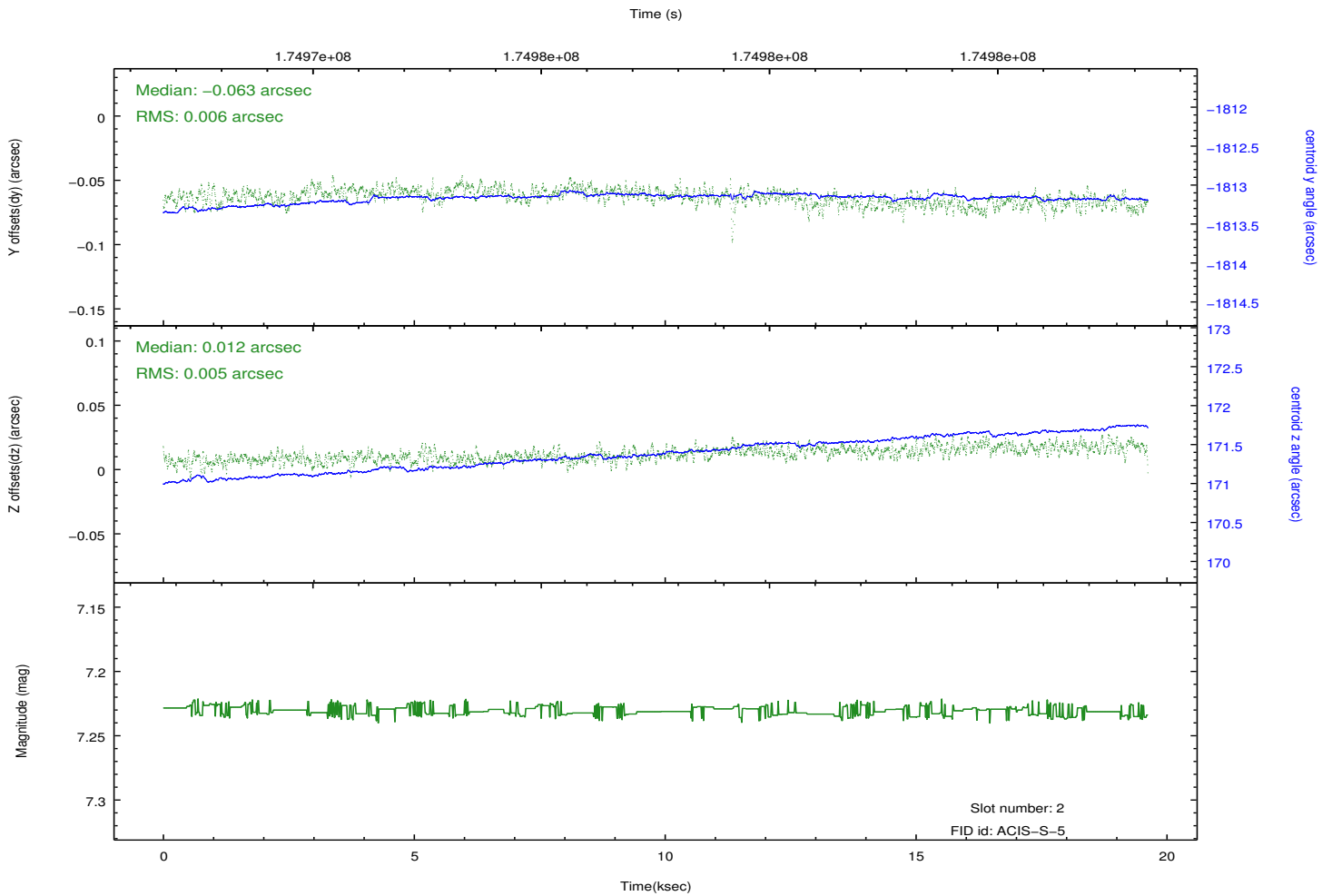
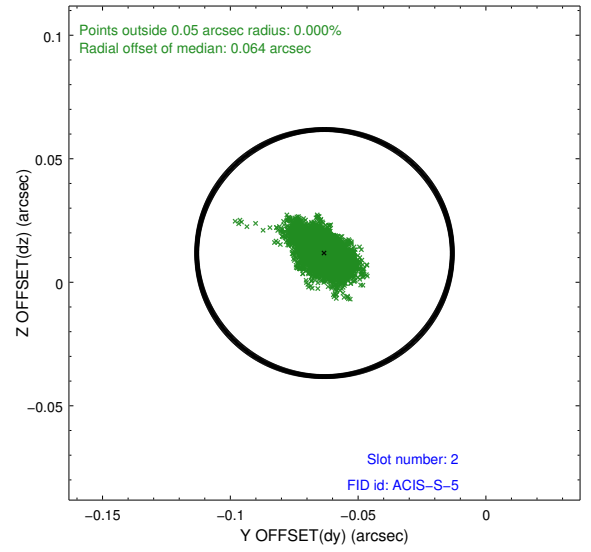
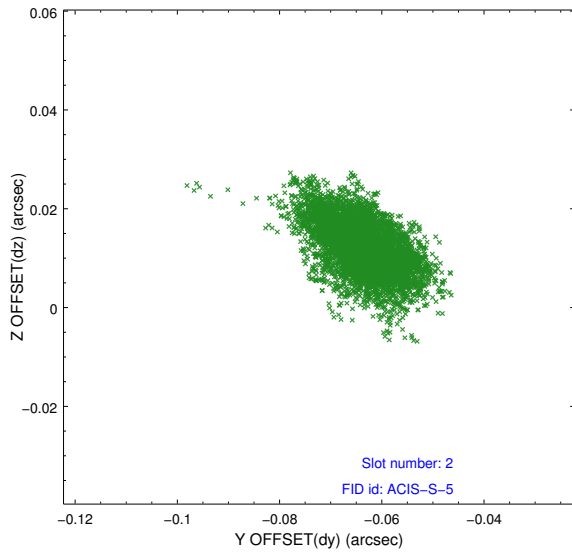
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.308

A.2 Comments

Roll constraint satisfied.