

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 18211 - L2 Version 1
Chandra X-Ray Center

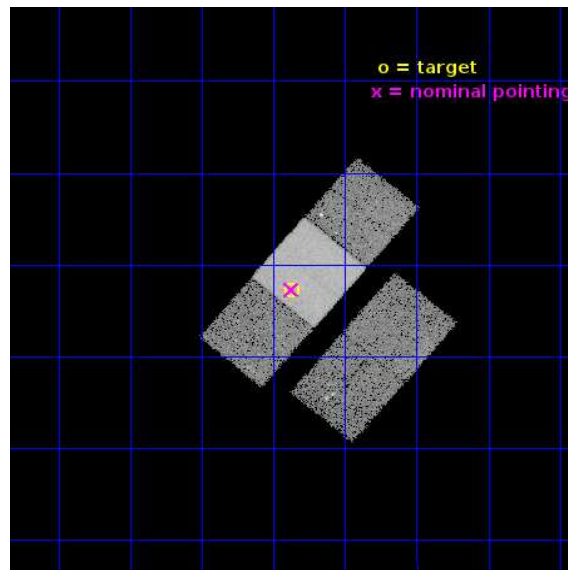
L2 Processing Date : Nov 27 2015

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1 Front

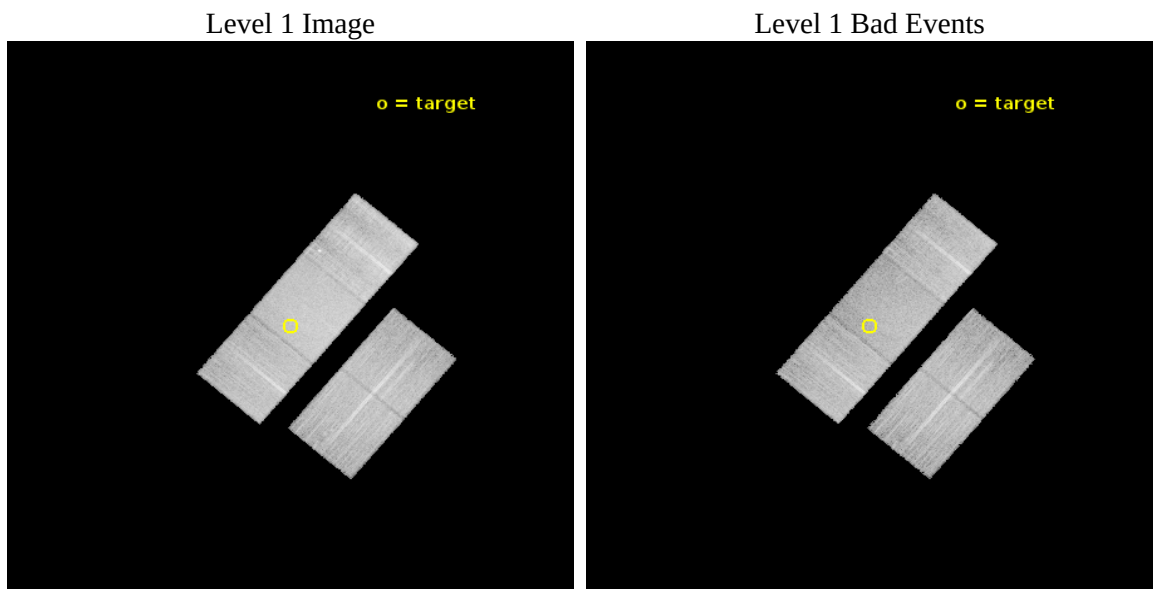
seq_num	703272	Sequence number
obs_id	18211	Observation id
title	Extremely Luminous Dusty Quasars with Unobscured UV Emission: Dual AGN or Extreme Single AGN Systems?	Proposal title
observer	Dr. Roberto Assef	Principal investigator
object	WISEA J022052.13+013711.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.217083	Observer's specified target RA [deg]
dec_targ	1.619889	Observer's specified target Dec [deg]
ra_nom	35.21869303213	Nominal RA [deg]
dec_nom	1.6213475721234	Nominal Dec [deg]
roll_nom	310.15657935922	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20044.393303037	Sum of GTIs [s]
livetime	19782.498548065	Livetime [s]
ontime2	20044.229143023	Sum of GTIs [s]
ontime3	20044.31122303	Sum of GTIs [s]
ontime6	20041.211182833	Sum of GTIs [s]
ontime7	20044.393303037	Sum of GTIs [s]
ontime8	20041.129132867	Sum of GTIs [s]
l2events	111522	Number of level 2 events



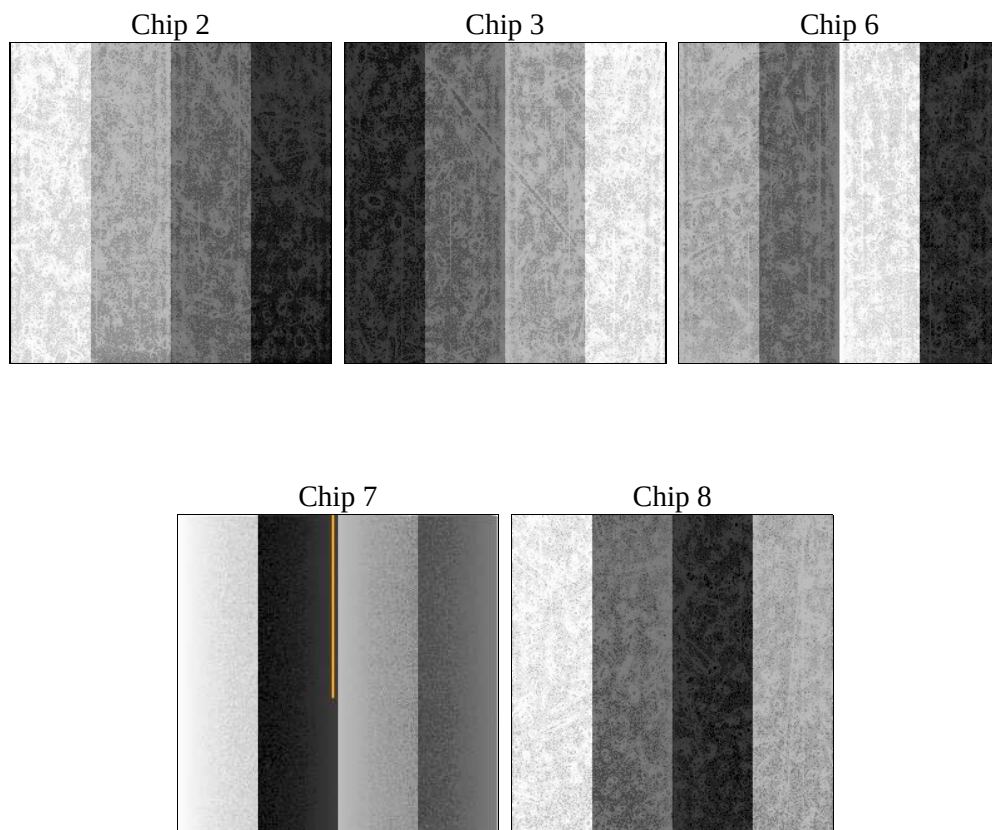
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	20044.393303037	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime2	20044.229143023	Sum of GTIs [s]
date	2015-11-27T11:13:47	Date and time of file creation	ontime3	20044.31122303	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	20041.211182833	Sum of GTIs [s]
			ontime7	20044.393303037	Sum of GTIs [s]
			ontime8	20041.129132867	Sum of GTIs [s]
			l1events	655318	Number of level 1 events

2.1.4 Events

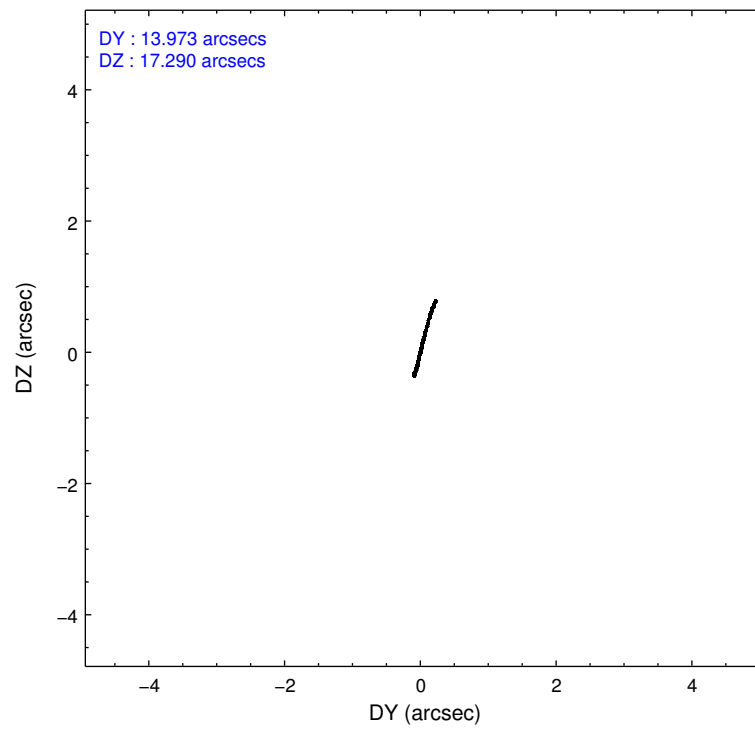
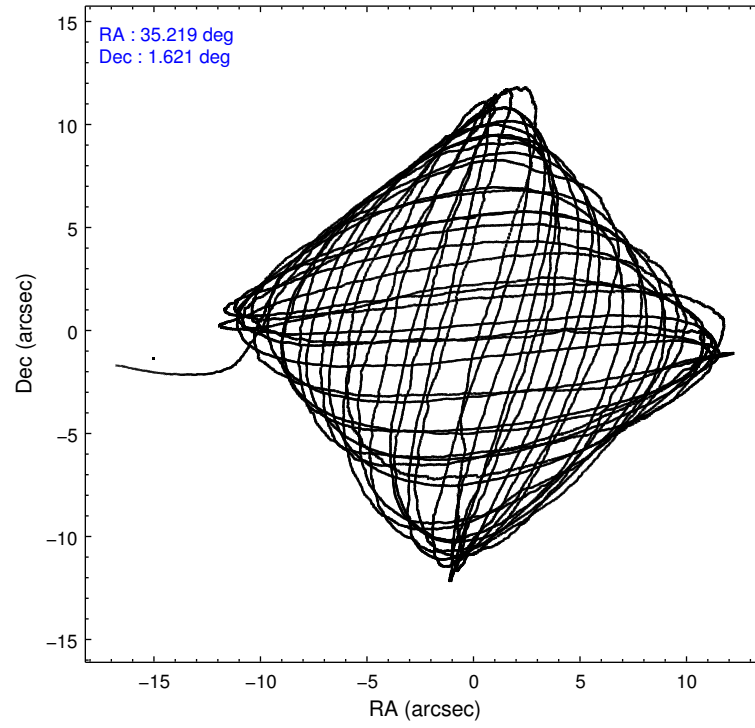
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	114345	110685	121120	153940	155228
rejected events	101778	97942	107509	88202	115108
rejected %	89%	88%	88%	57%	74%

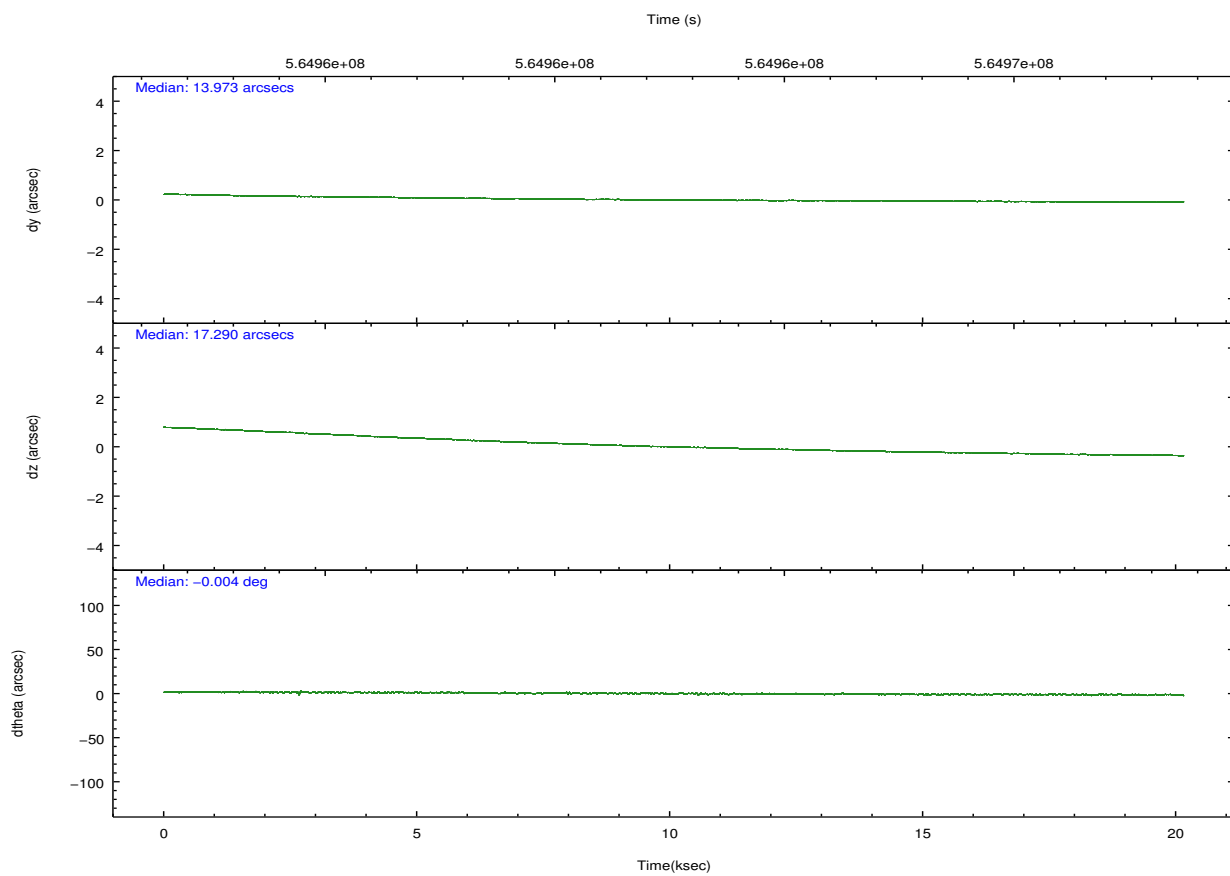
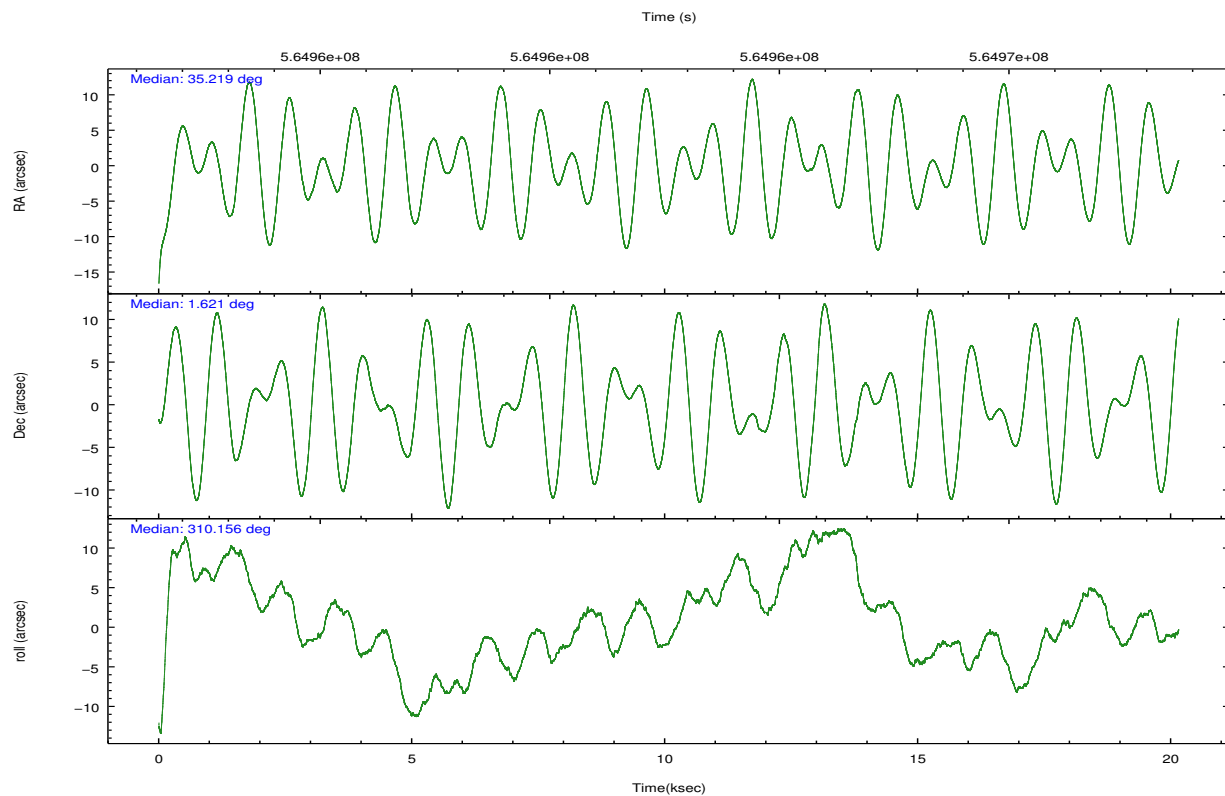
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4529	4575	4626	5339	11142
	3%	4%	3%	3%	7%
grade 1 events	42	67	63	212	110
	0%	0%	0%	0%	0%
grade 2 events	3016	2775	3214	13625	9607
	2%	2%	2%	8%	6%
grade 3 events	1236	1363	1343	5221	4174
	1%	1%	1%	3%	2%
grade 4 events	1287	1304	1324	5220	3881
	1%	1%	1%	3%	2%
grade 5 events	4591	5826	5681	14949	8606
	4%	5%	4%	9%	5%
grade 6 events	2500	2728	3107	36347	11322
	2%	2%	2%	23%	7%
grade 7 events	97144	92047	101762	73027	106386
	84%	83%	84%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	35.192762	35.2186930321301	CCD I2 on	O1	Y
[deg] Pointing Dec	1.630311	1.621347572123438	CCD I3 on	Y	Y
[deg] Pointing Roll	310.000685	310.1565793592152	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	564952673.184000	564951570.0299	CCD S5 on	N	N
Observation start date	2015-11-26T19:16:45	2015-11-26T18:59:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	564972673.184000	564973467.10614	On-chip summing requested	N	N
Observation end date	2015-11-27T00:50:05	2015-11-27T01:04:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



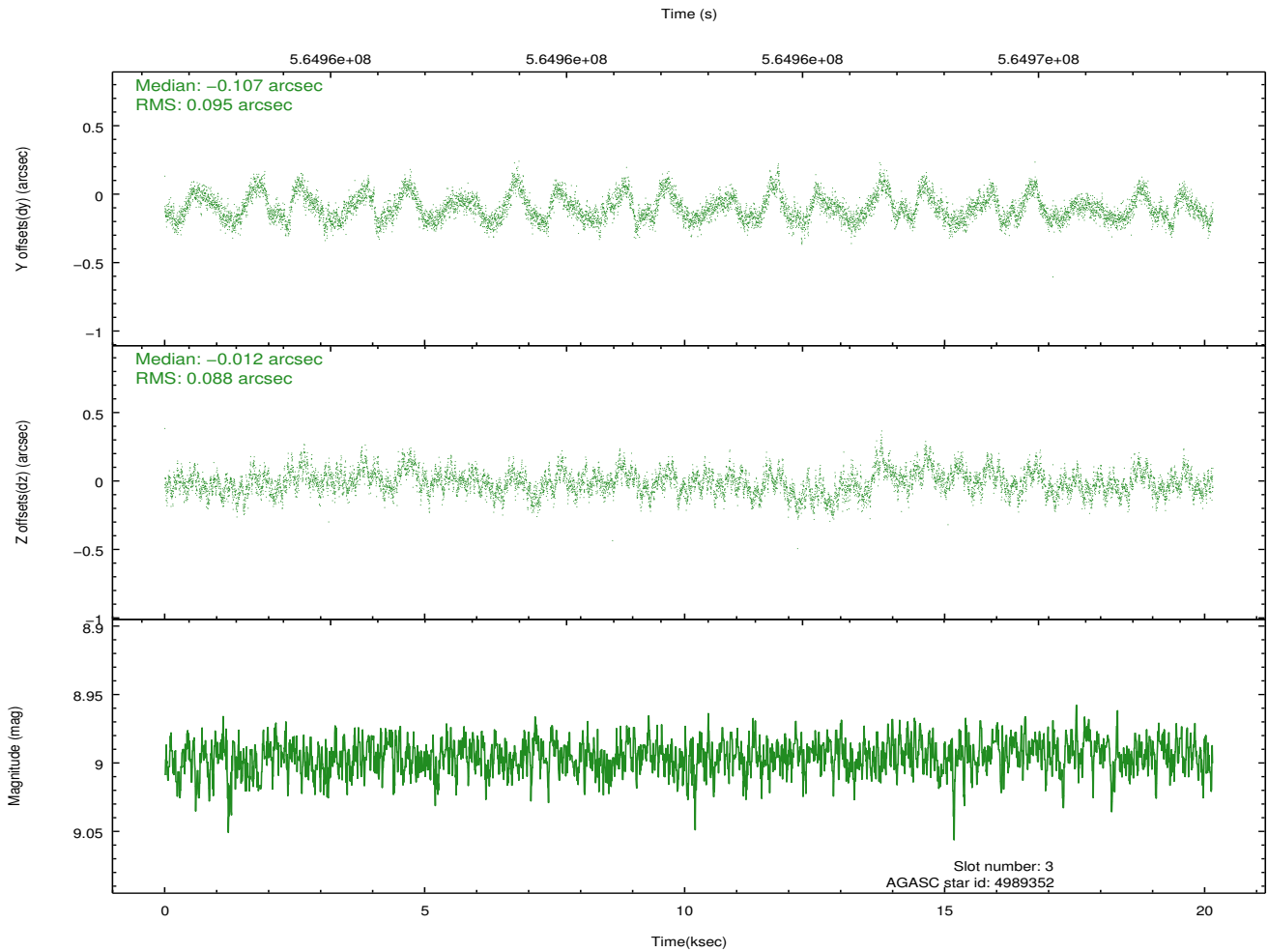
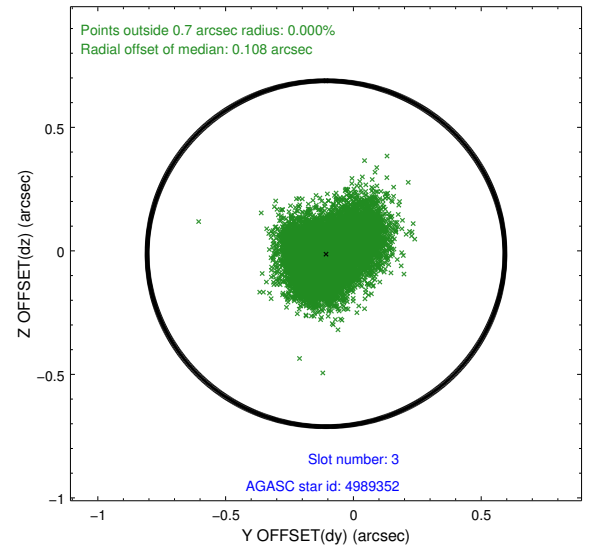
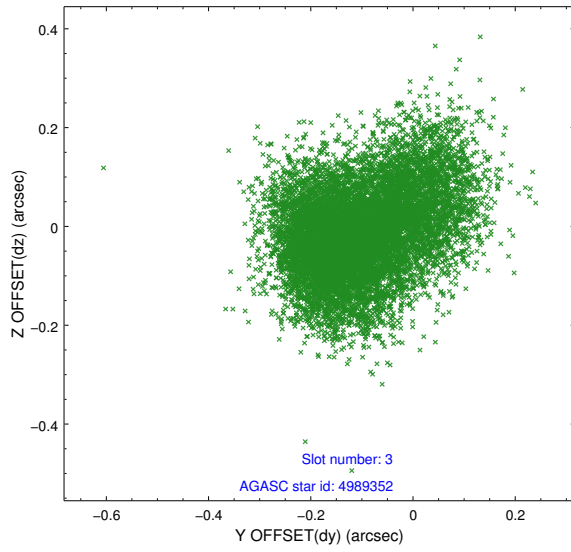


Slot Statistics

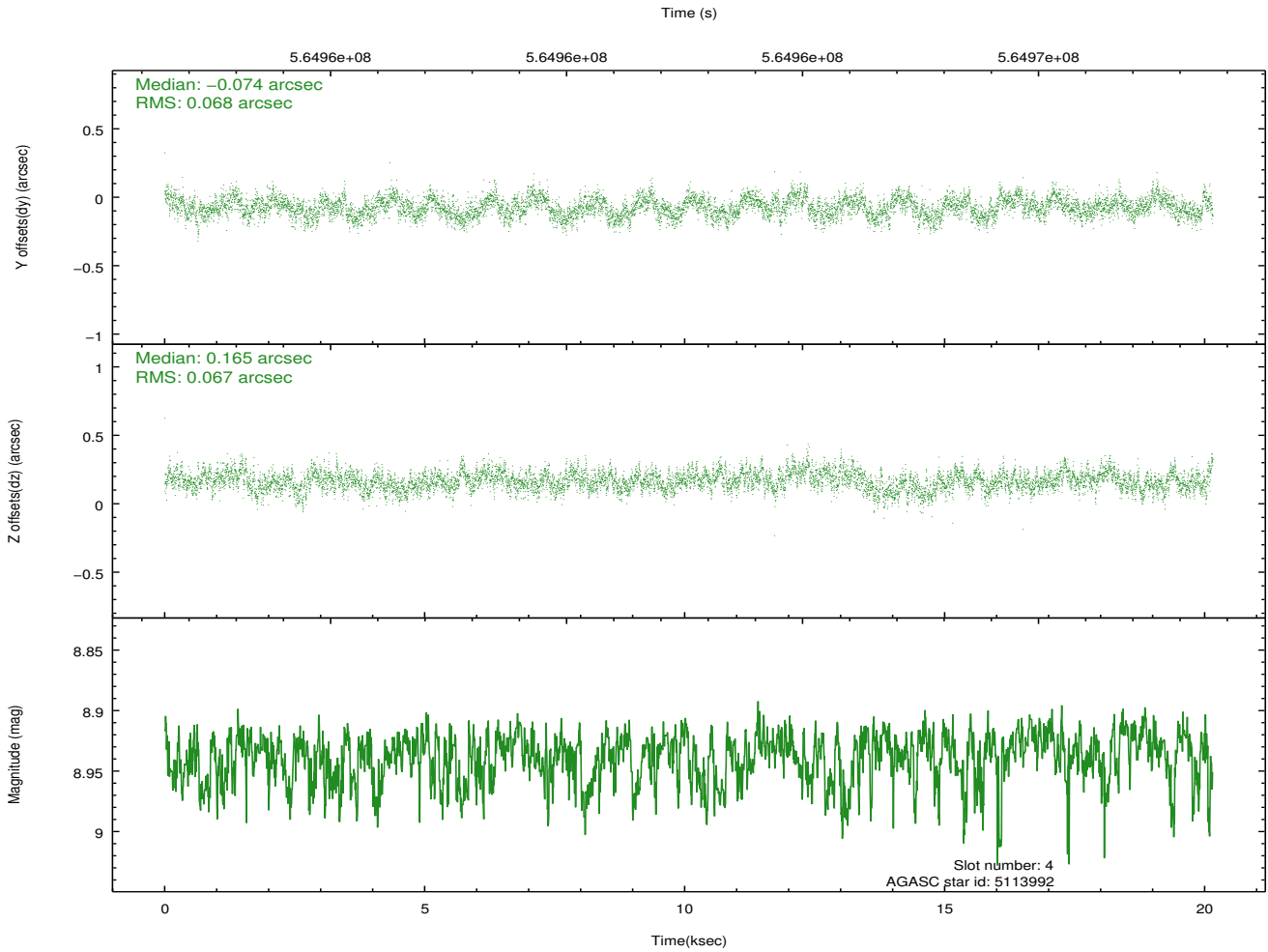
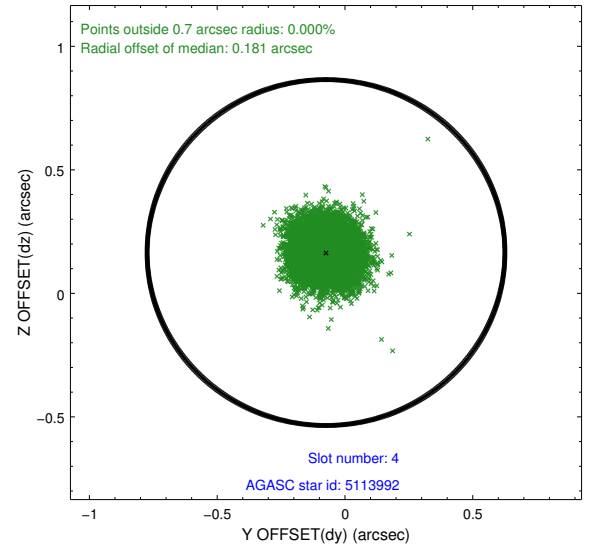
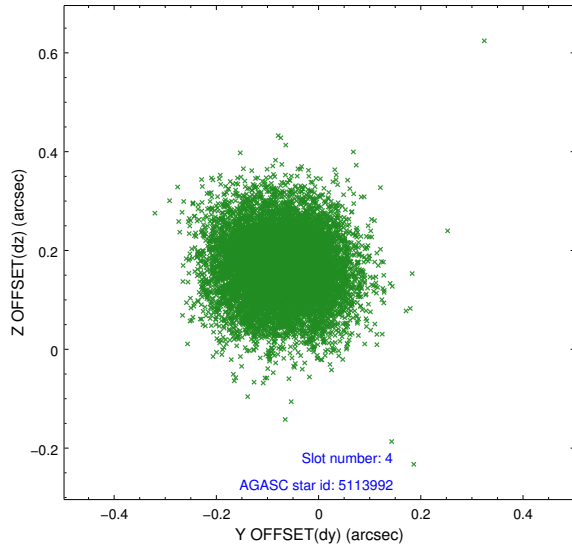
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	4916	-0.125	-0.110	0.014	0.022	0.000000	0.000000	-767.07	-1738.86
1	FID		ACIS-S-4	7.22	4915	0.396	0.090	0.007	0.012	0.000000	0.000000	2146.65	169.61
2	FID		ACIS-S-5	7.24	4917	-0.302	0.030	0.011	0.017	0.000000	0.000000	-1819.84	163.45
3	GUIDE	used	4989352	9.00	9828	-0.107	-0.012	0.137	0.226	34.701469	1.967173	-2064.82	-574.25
4	GUIDE	used	5113992	8.94	9822	-0.074	0.165	0.102	0.162	35.266692	1.031435	1823.00	-1181.67
5	GUIDE	used	5114592	9.65	9819	0.001	0.108	0.152	0.257	35.191954	1.402754	626.61	-528.89
6	GUIDE	used	5113104	8.93	9825	0.064	0.027	0.140	0.238	35.108626	1.589275	-78.85	-325.12
7	GUIDE	used	5114296	9.63	9790	0.111	-0.293	0.160	0.259	35.167650	1.120375	1348.95	-1249.37

2.4 Star Slots

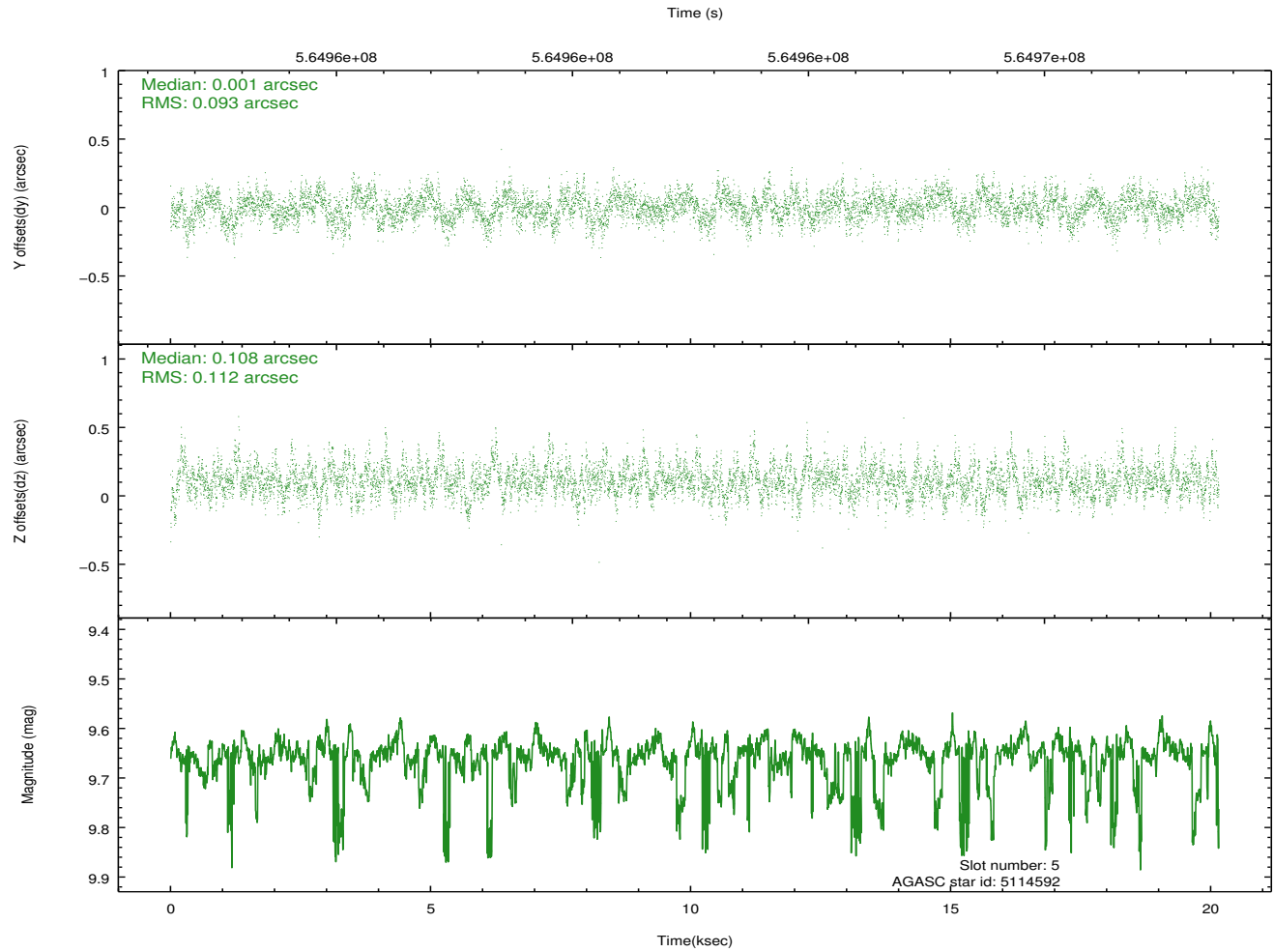
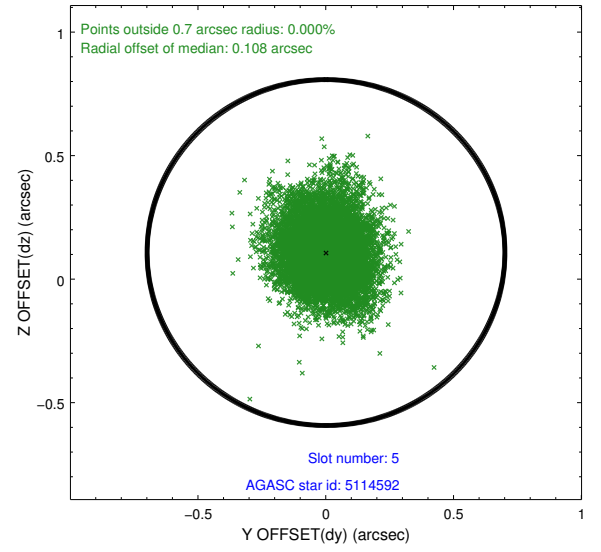
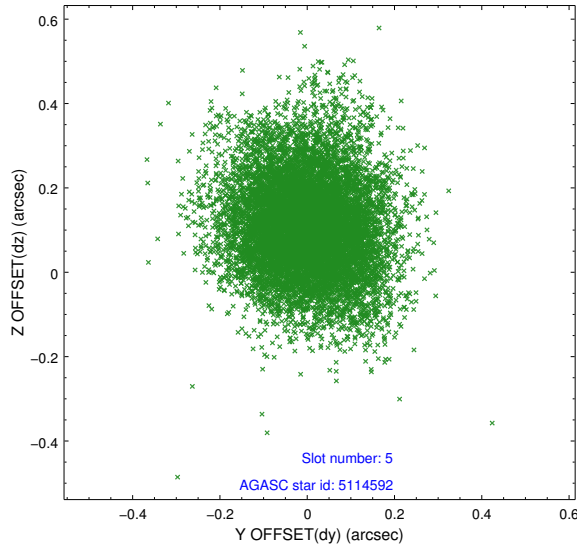
2.4.1 Slot 3



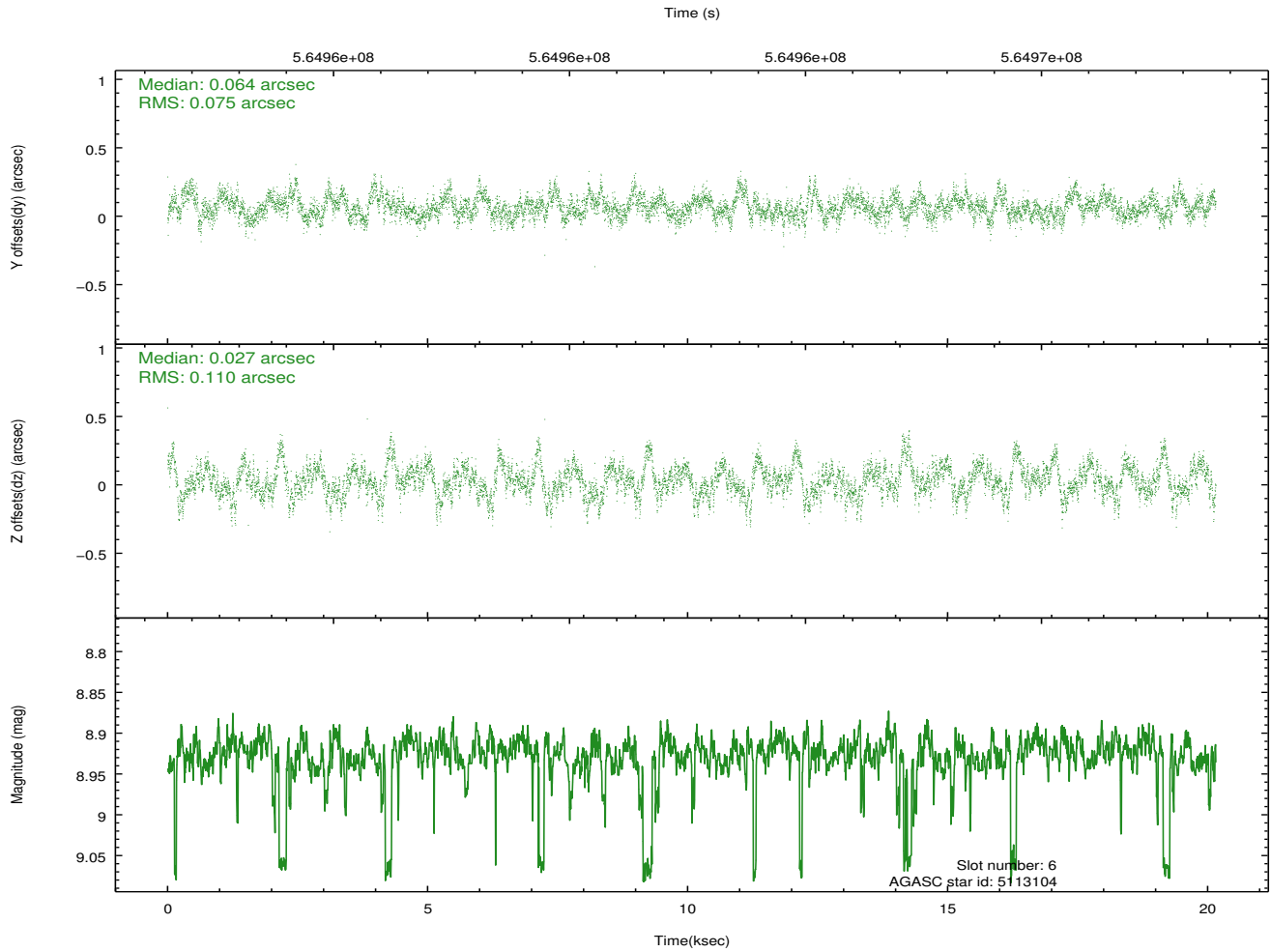
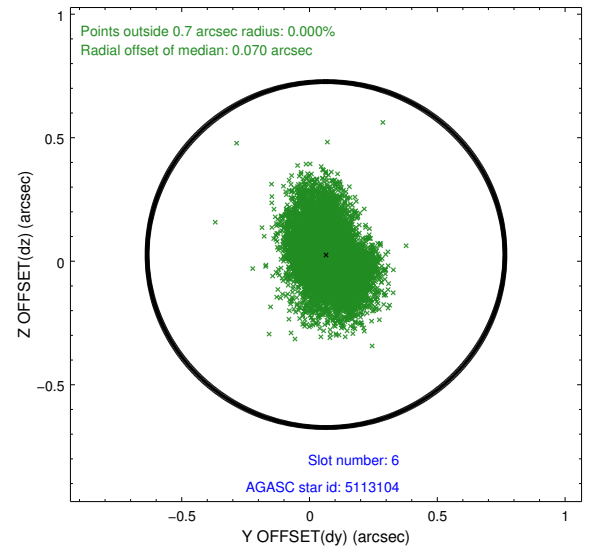
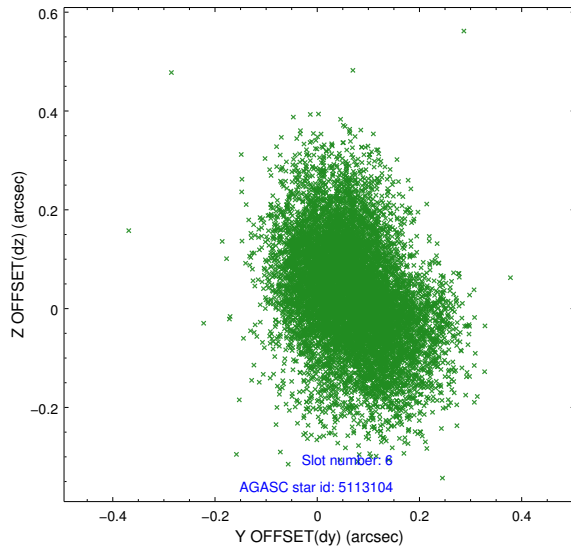
2.4.2 Slot 4



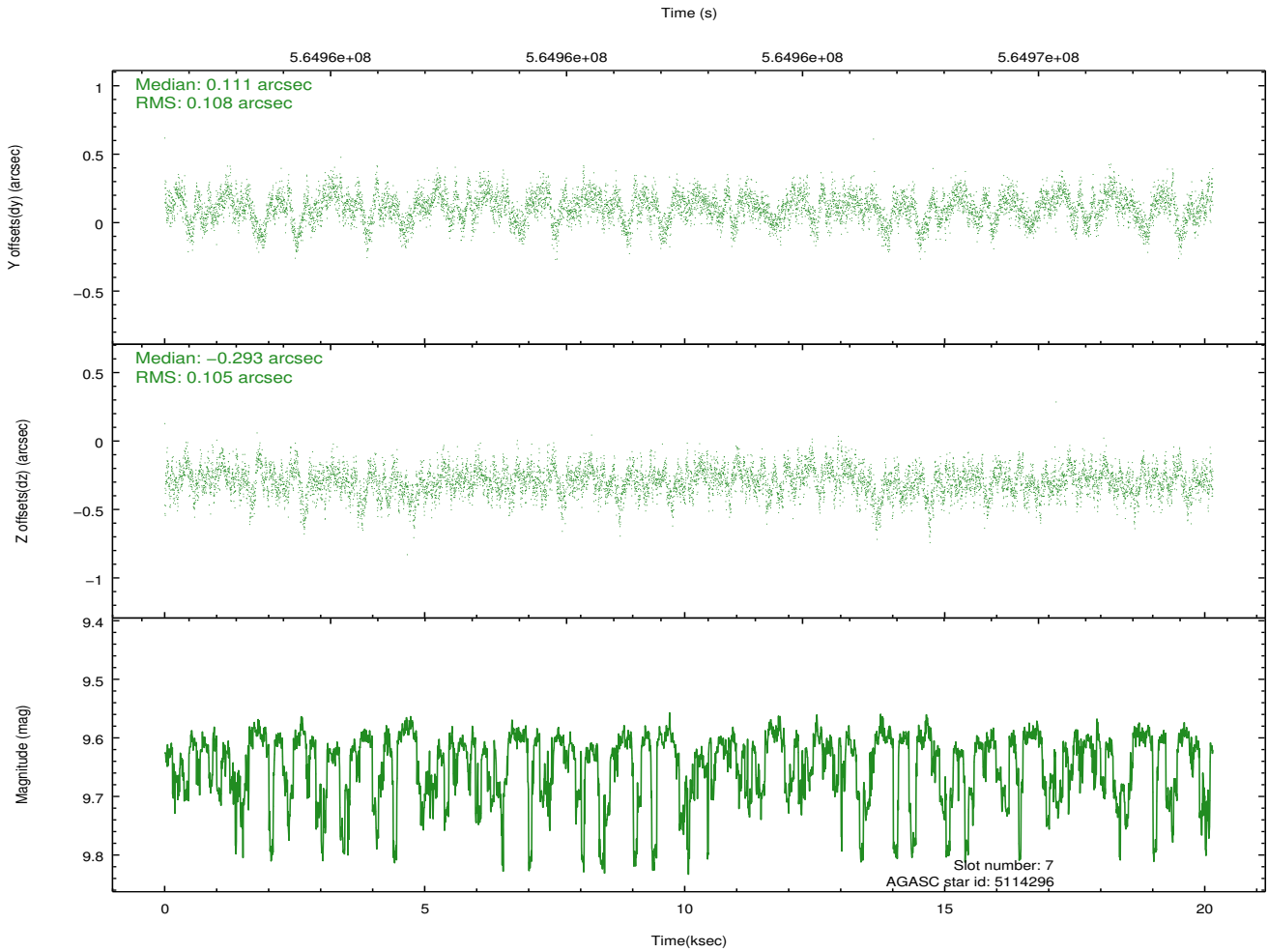
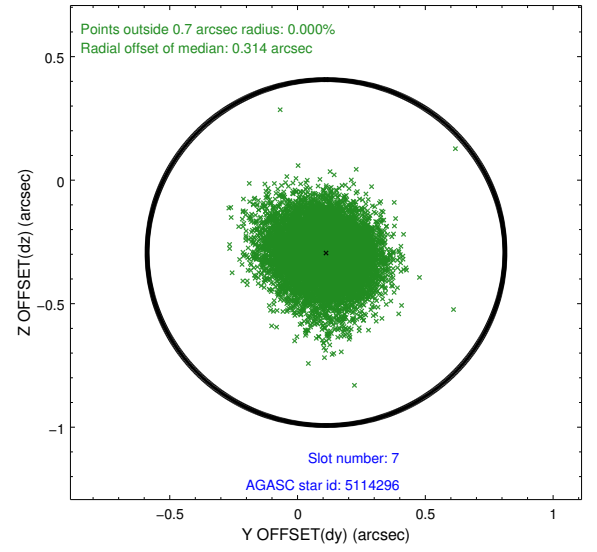
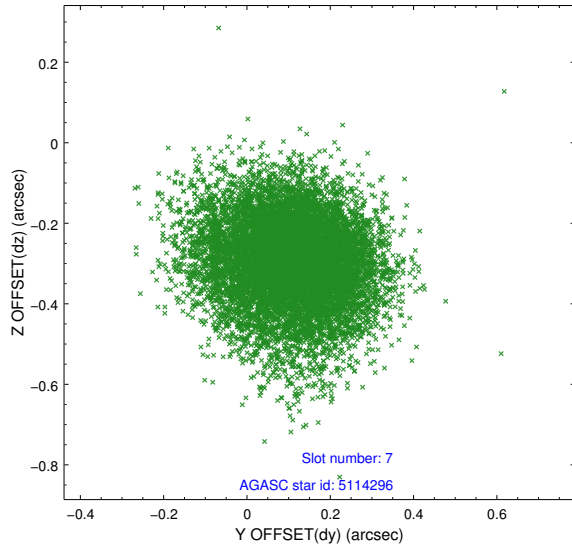
2.4.3 Slot 5



2.4.4 Slot 6

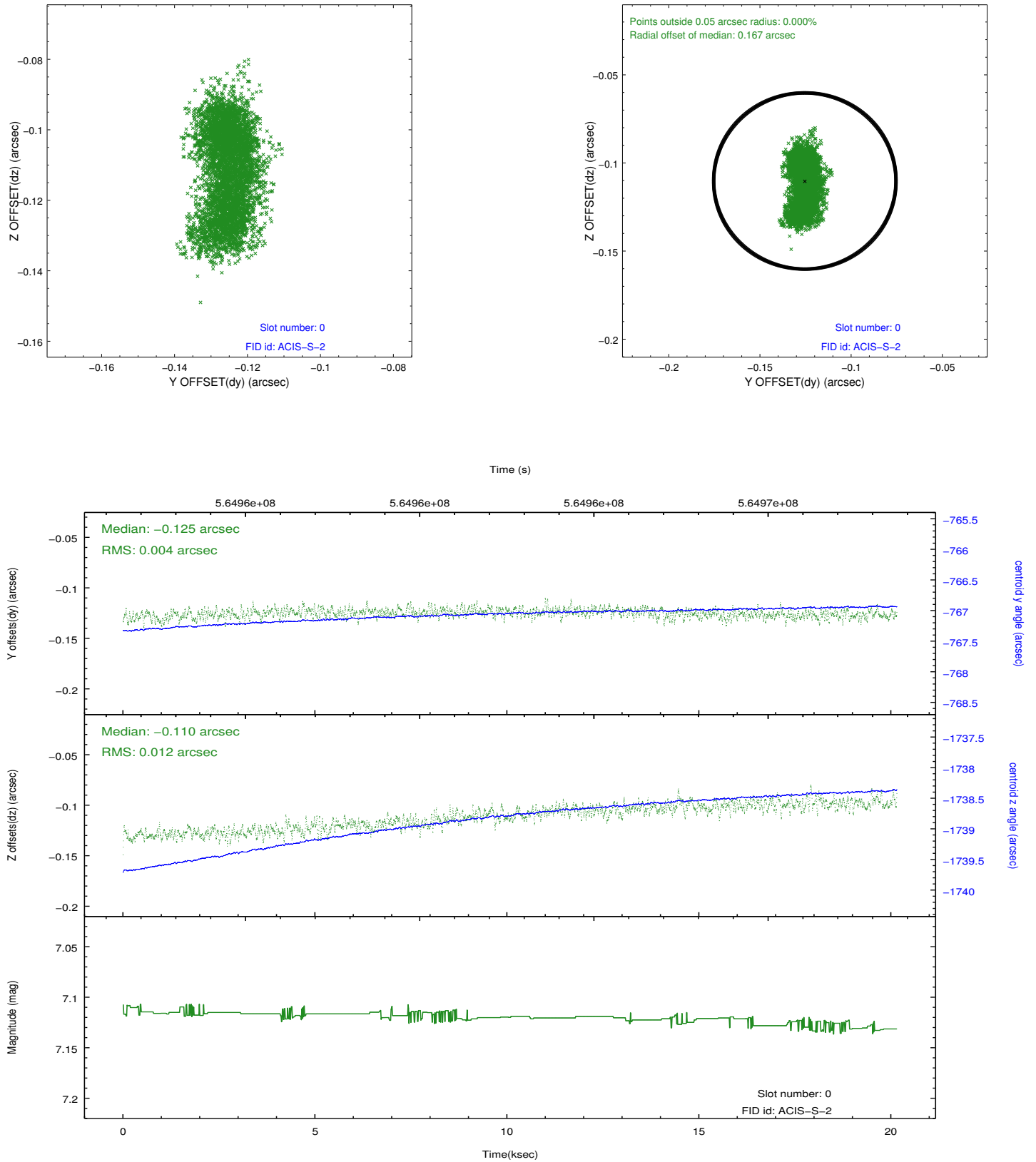


2.4.5 Slot 7

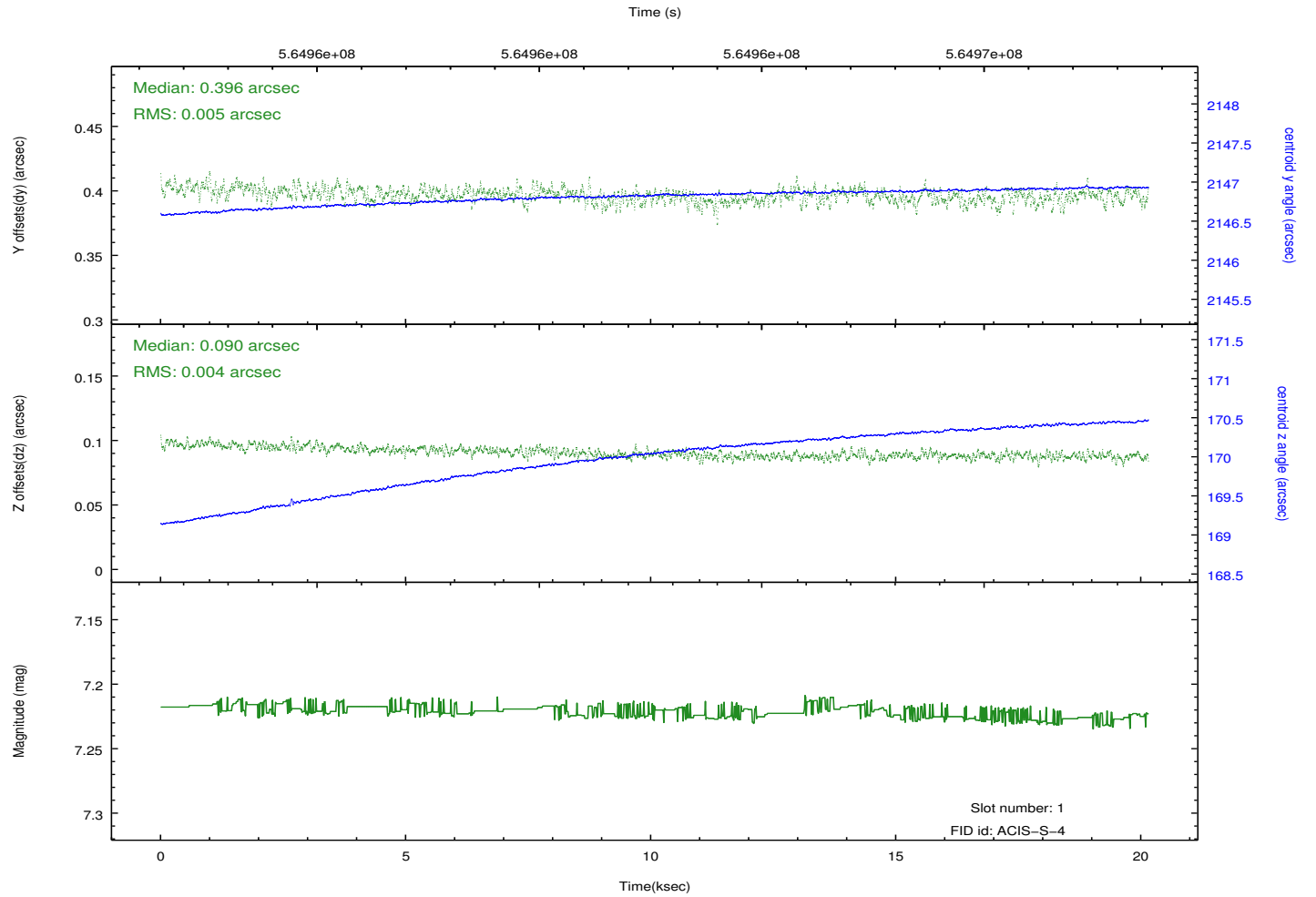
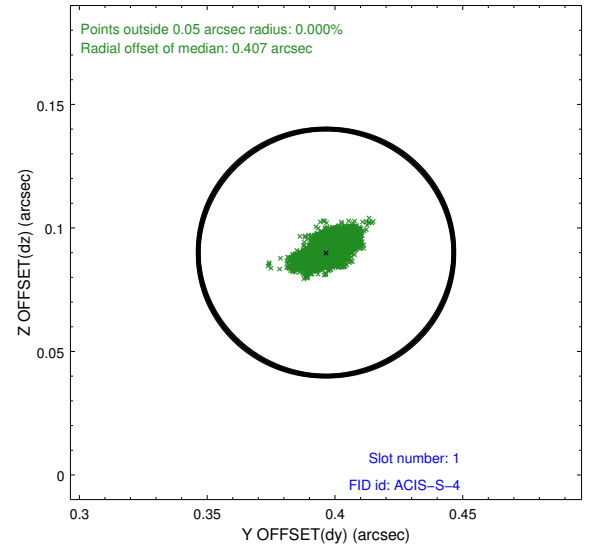
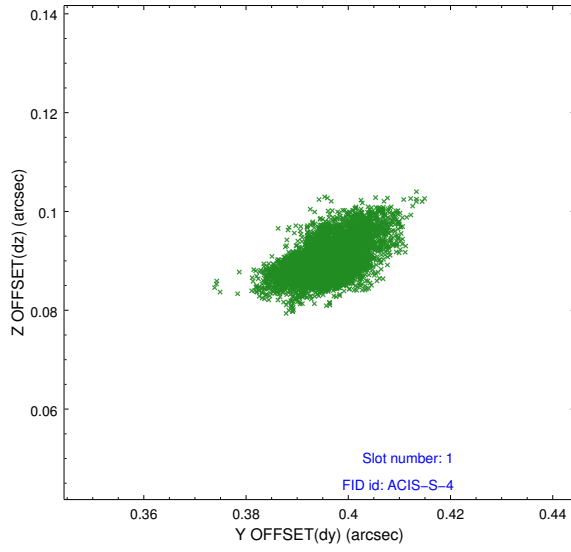


2.5 FID Slots

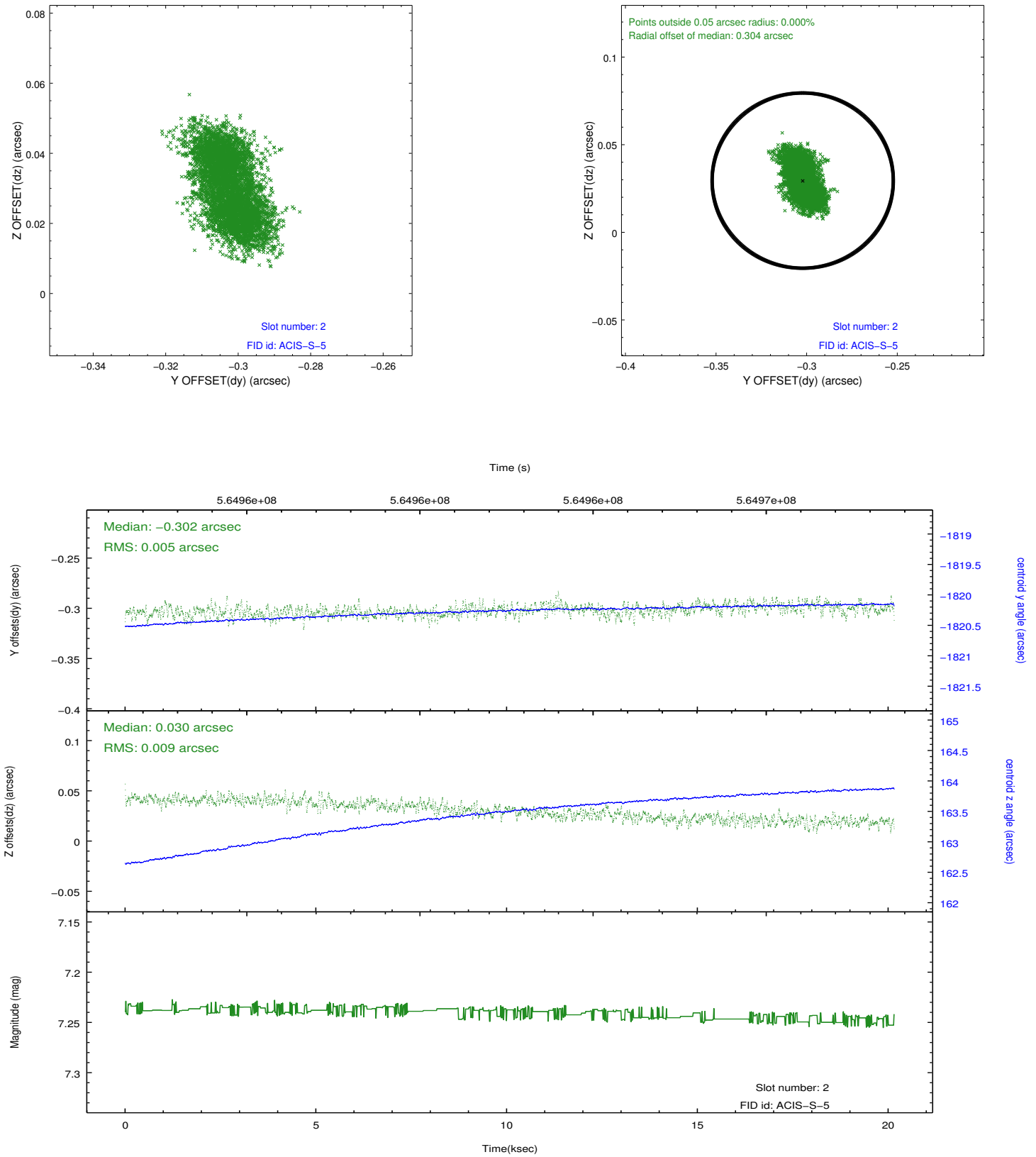
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.044393303037

A.2 Comments