

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9318 - L2 Version 2
Chandra X-Ray Center

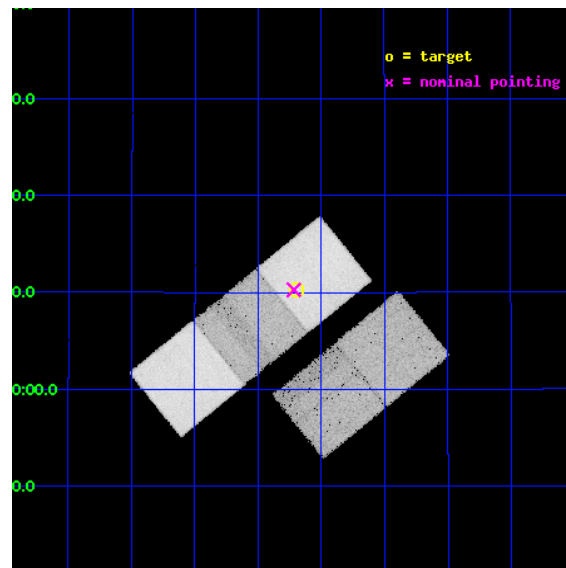
L2 Processing Date : May 7 2012

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1 Front

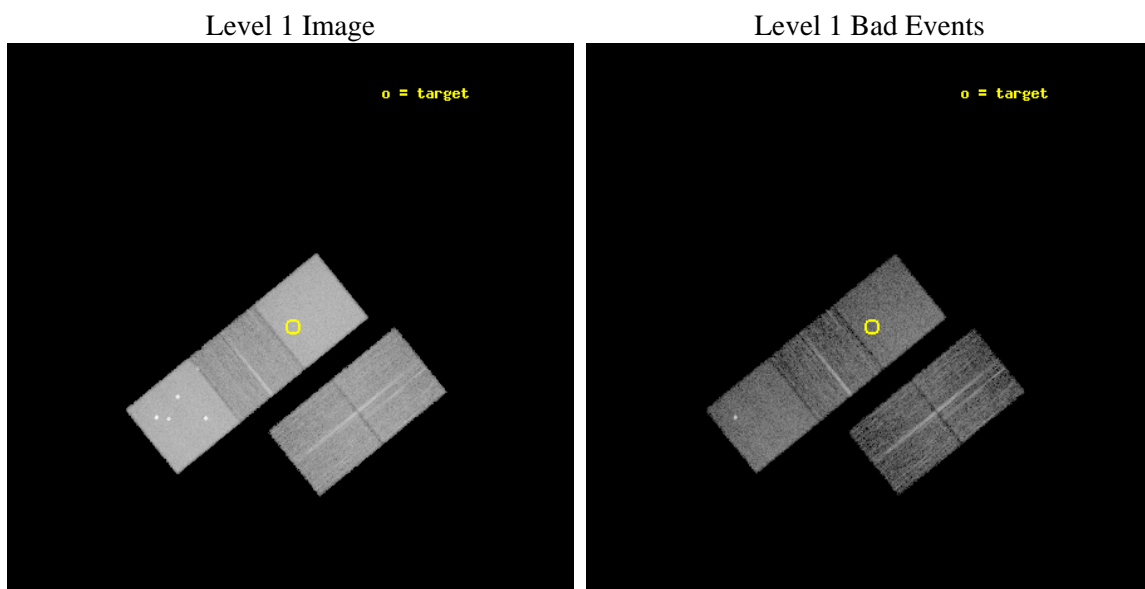
seq_num	701758	Sequence number
obs_id	9318	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C436	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	326.04875	Observer's specified target RA [deg]
dec_targ	28.171917	Observer's specified target Dec [deg]
ra_nom	326.05421062474	Nominal RA [deg]
dec_nom	28.171228042288	Nominal Dec [deg]
roll_nom	320.91659431367	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8143.7000626326	Sum of GTIs [s]
livetime	8037.2966260095	Livetime [s]
ontime2	6411.0913014412	Sum of GTIs [s]
ontime3	6536.6898727417	Sum of GTIs [s]
ontime5	8143.7000626326	Sum of GTIs [s]
ontime6	6552.3542509079	Sum of GTIs [s]
ontime7	8143.7000626326	Sum of GTIs [s]
l2events	259763	Number of level 2 events



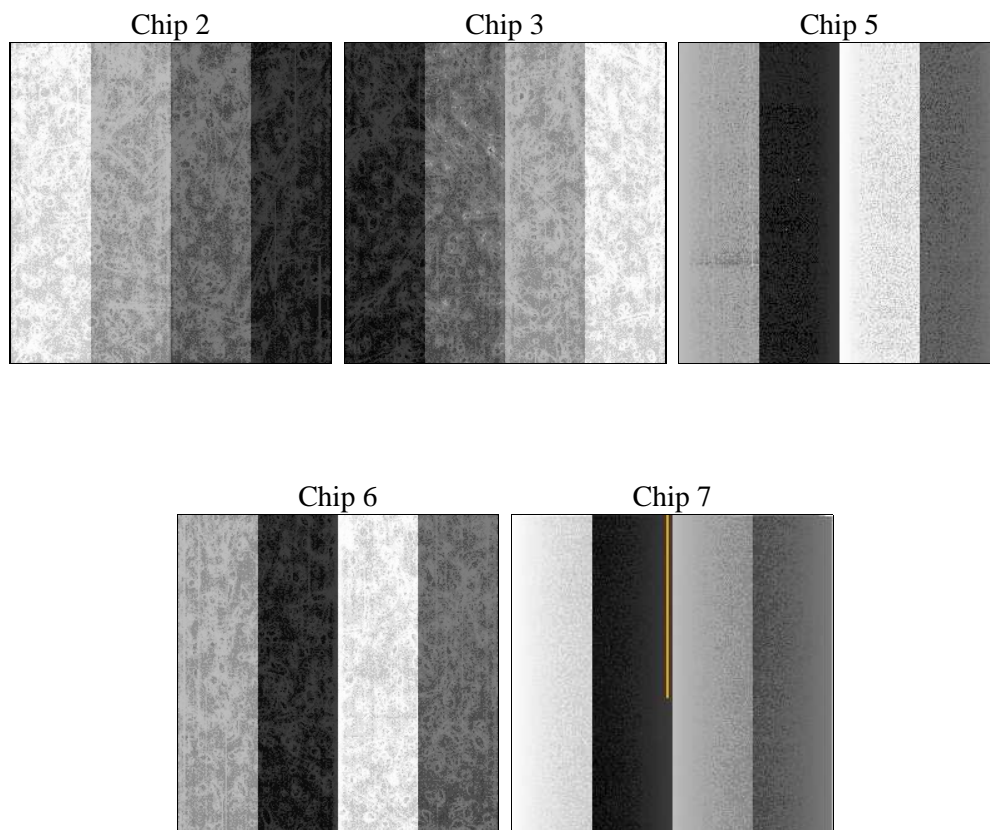
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7999.954000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8143.7000626326	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	6411.0913014412	Sum of GTIs [s]
date	2012-05-07T17:17:22	Date and time of file creation	ontime3	6536.6898727417	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8143.7000626326	Sum of GTIs [s]
			ontime6	6552.3542509079	Sum of GTIs [s]
			ontime7	8143.7000626326	Sum of GTIs [s]
			l1events	604362	Number of level 1 events

2.1.4 Events

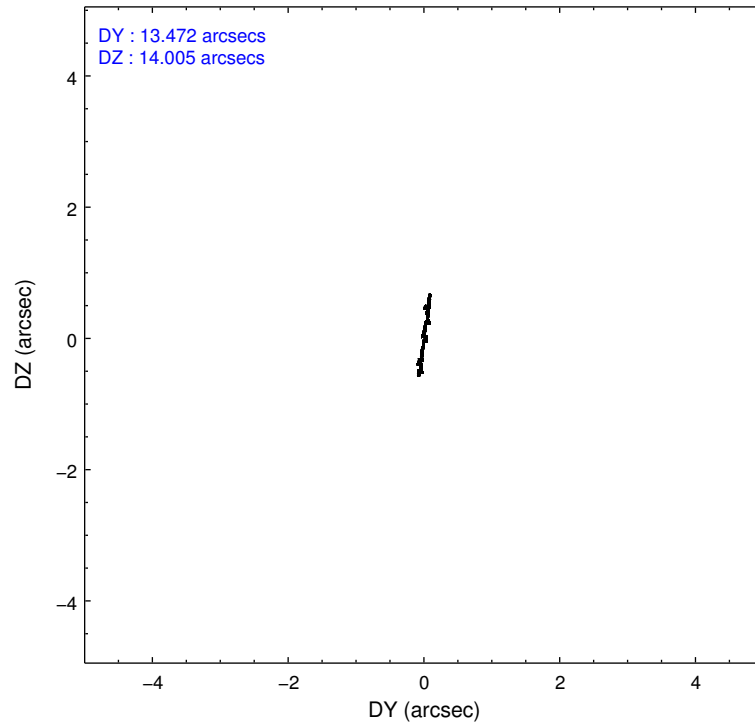
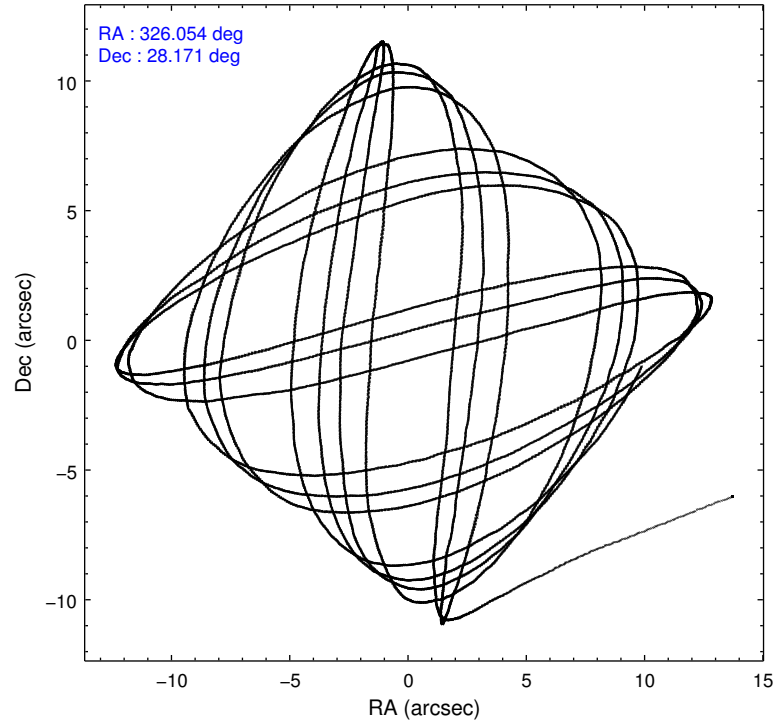
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	79285	85172	183692	88050	168163
rejected events	56231	59406	78156	61120	72658
rejected %	70%	69%	42%	69%	43%

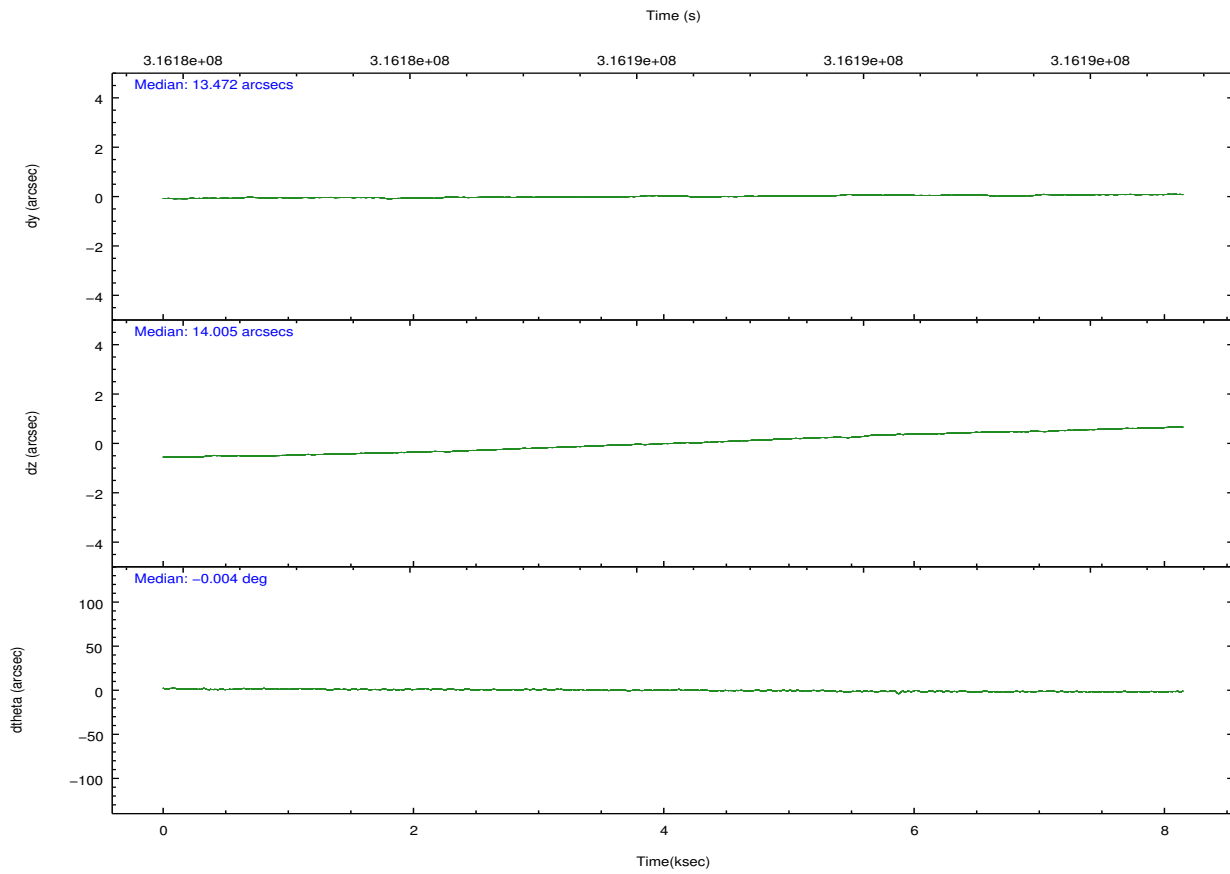
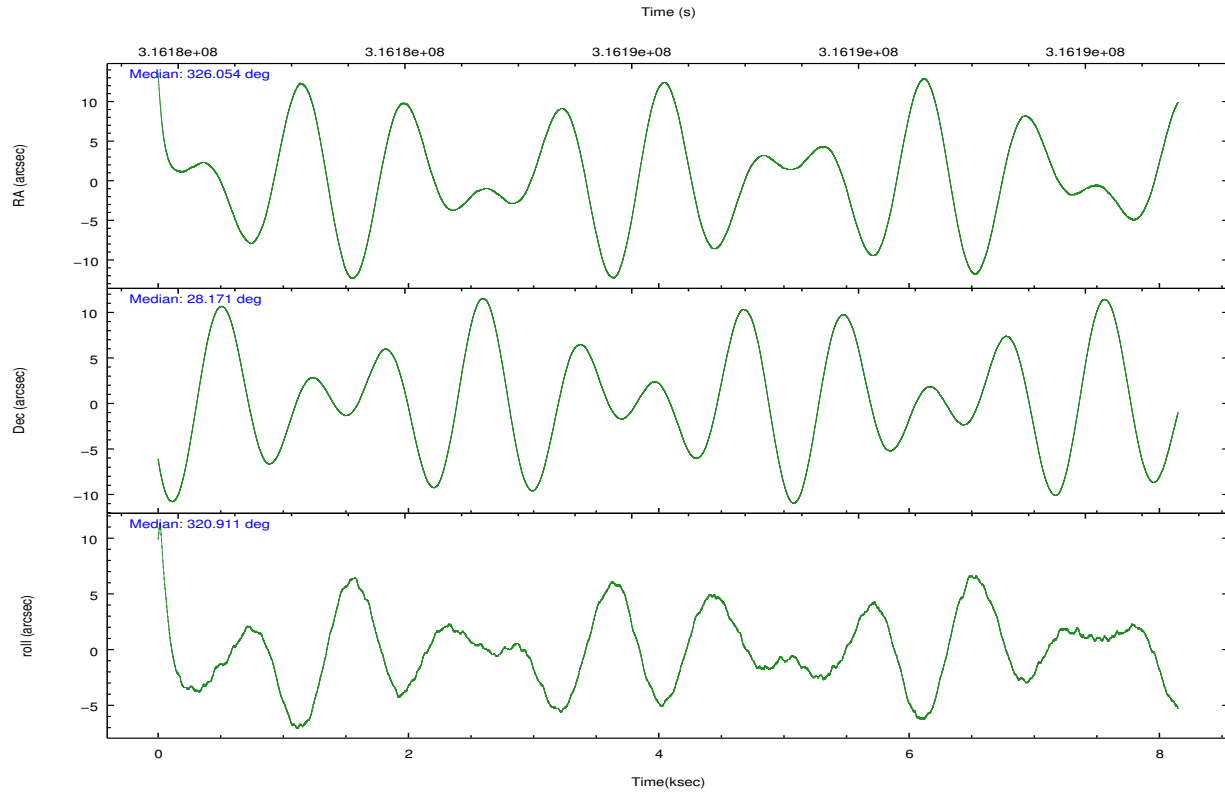
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	14494	16390	15958	15912	10387
	18%	19%	8%	18%	6%
grade 1 events	121	126	1085	89	154
	0%	0%	0%	0%	0%
grade 2 events	3794	4118	34712	5289	18686
	4%	4%	18%	6%	11%
grade 3 events	1422	1506	3911	1403	7375
	1%	1%	2%	1%	4%
grade 4 events	1333	1508	3836	1389	7468
	1%	1%	2%	1%	4%
grade 5 events	2541	3126	9721	3229	11136
	3%	3%	5%	3%	6%
grade 6 events	2758	2984	50673	3745	54384
	3%	3%	27%	4%	32%
grade 7 events	52822	55414	63796	56994	58573
	66%	65%	34%	64%	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	326.023518	326.0542106247381	CCD I2 on	Y	Y
[deg] Pointing Dec	28.175239	28.17122804228826	CCD I3 on	Y	Y
[deg] Pointing Roll	320.774443	320.9165943136744	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	Y	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	N	N
[s] Observation start time (MET)	316182389.184000	316181202.84679	CCD S5 on	N	N
Observation start date	2008-01-08T12:25:24	2008-01-08T12:06:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	316190389.184000	316190611.32224	On-chip summing requested	N	N
Observation end date	2008-01-08T14:38:44	2008-01-08T14:43:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



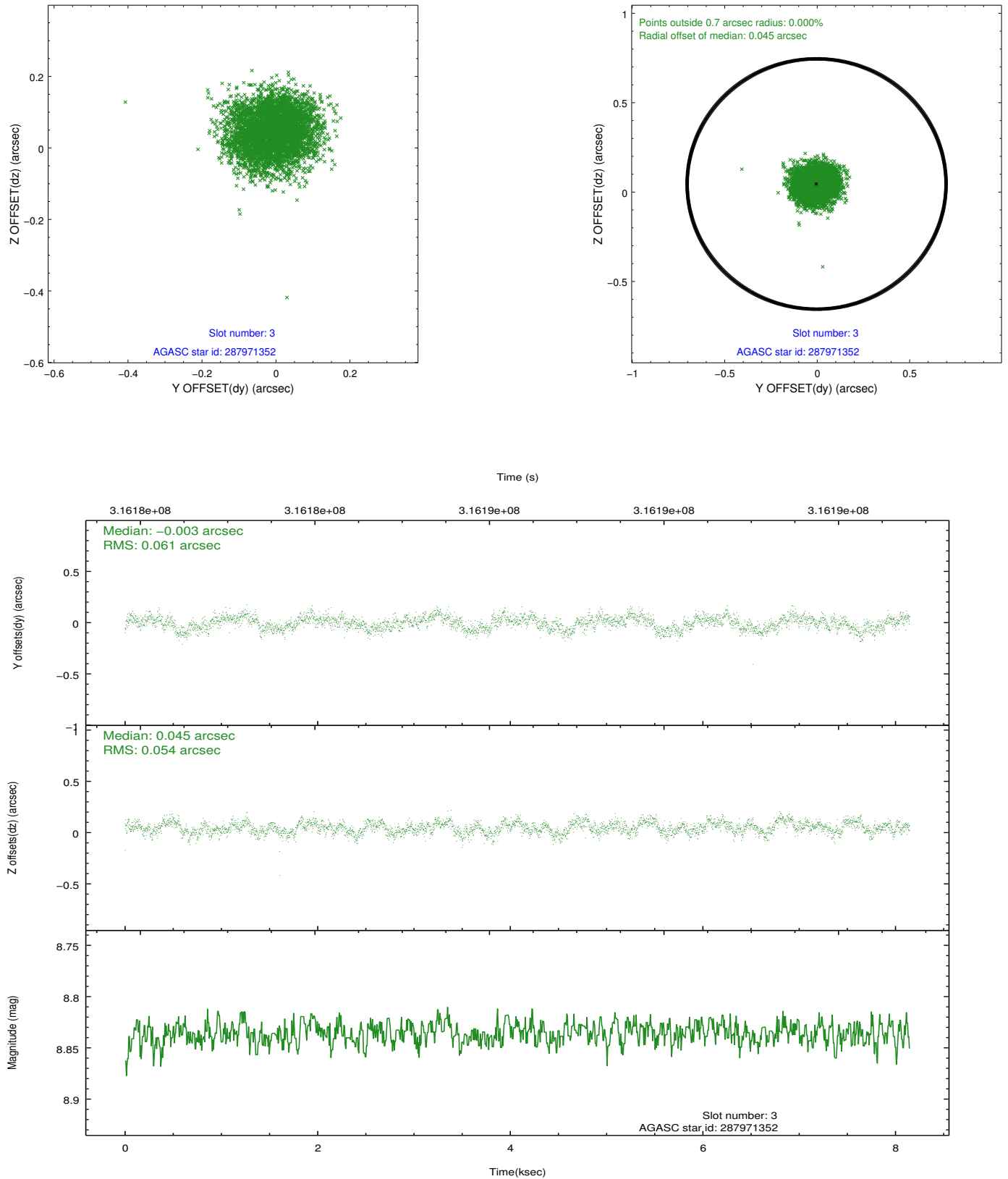


Slot Statistics

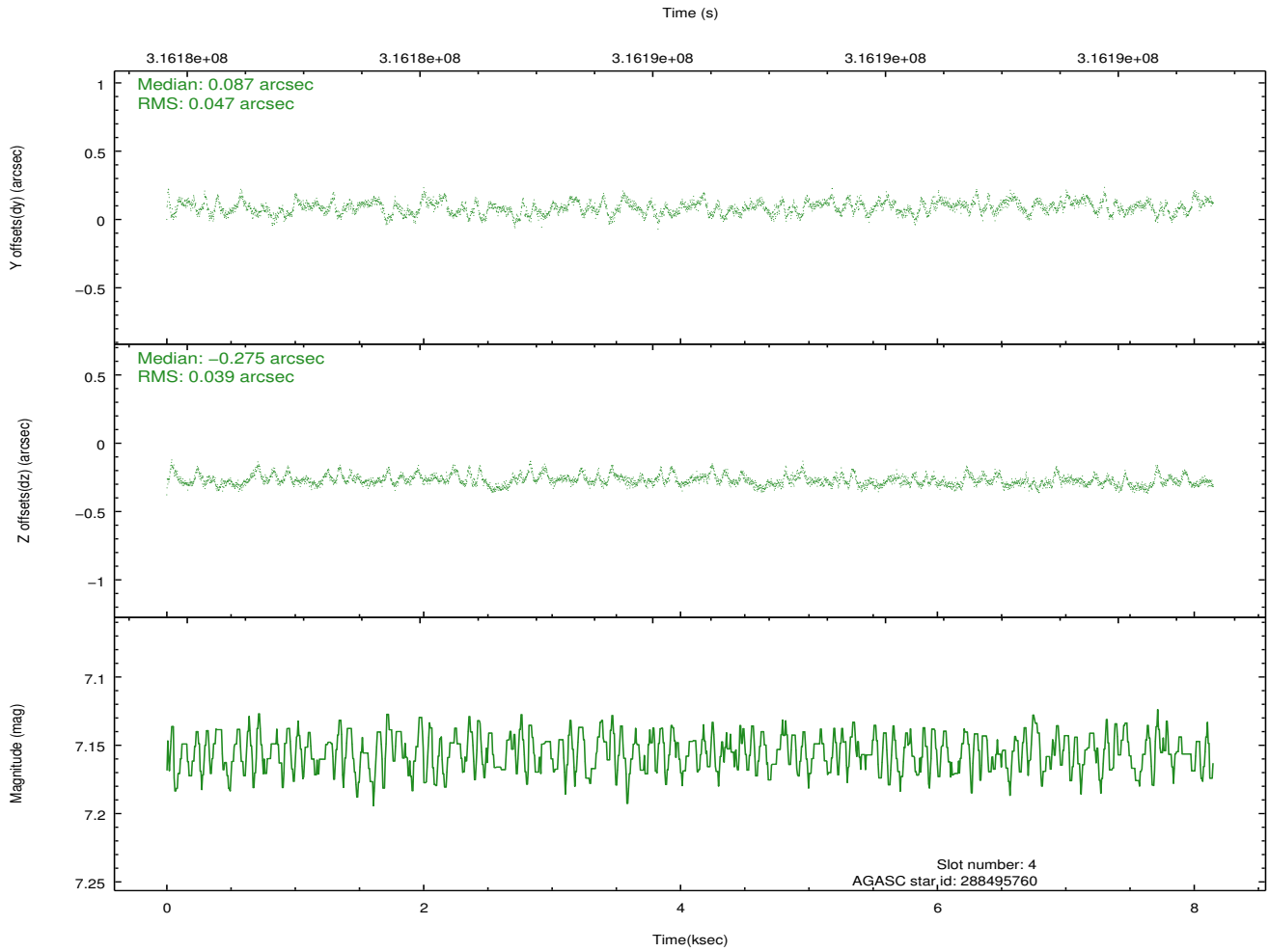
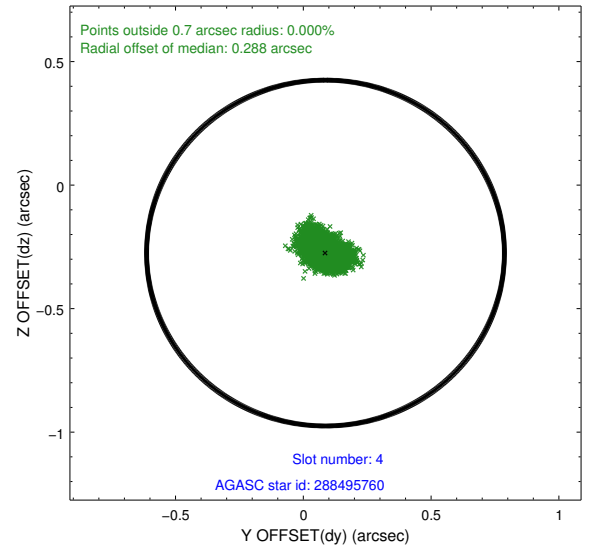
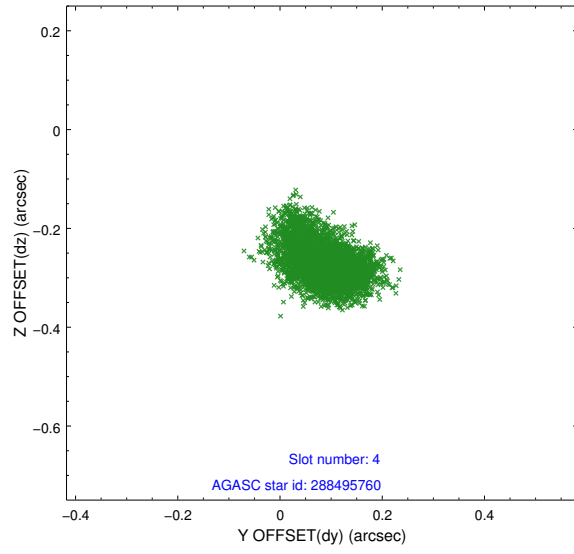
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1988	-0.048	-0.061	0.017	0.029	0.000000	0.000000	-766.44	-1735.44
1	FID	ACIS-S-4	7.19	1988	0.177	0.038	0.007	0.014	0.000000	0.000000	2146.74	172.45
2	FID	ACIS-S-5	7.23	1988	-0.163	0.032	0.016	0.028	0.000000	0.000000	-1818.53	166.86
3	GUIDE	287971352	8.84	3973	-0.003	0.045	0.087	0.136	326.115416	27.691792	1327.67	-1162.77
4	GUIDE	288495760	7.16	3975	0.087	-0.275	0.064	0.109	326.079931	28.781601	-1242.22	1803.15
5	GUIDE	288498264	8.76	3974	-0.125	0.201	0.092	0.153	325.561232	28.420154	-1693.49	-239.71
6	GUIDE	289671072	9.05	3972	0.135	-0.077	0.078	0.130	326.623494	27.793243	2346.62	146.78
7	GUIDE	289670904	8.29	3968	-0.086	0.102	0.058	0.094	326.829741	28.091753	2168.70	1393.43

2.4 Star Slots

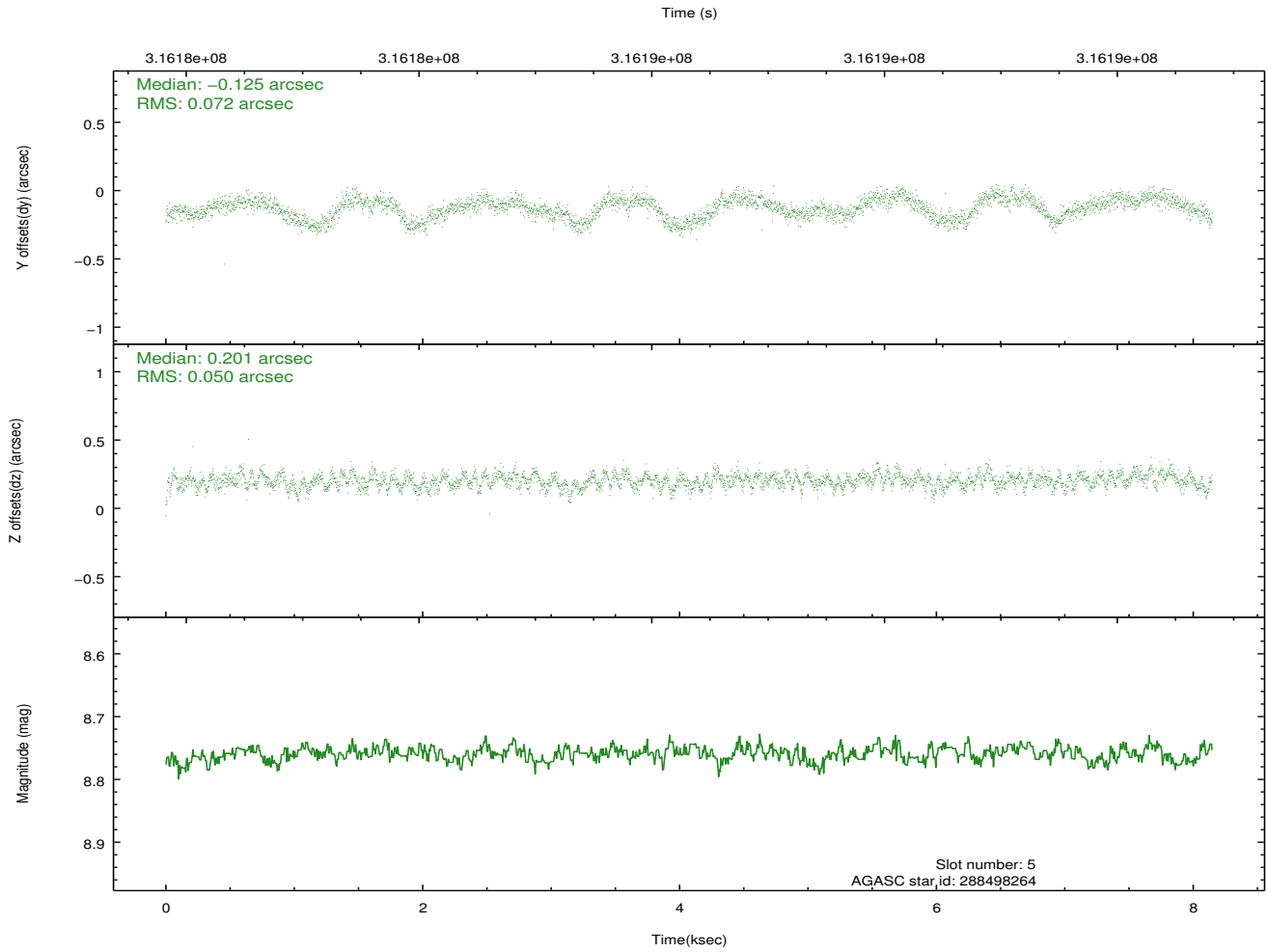
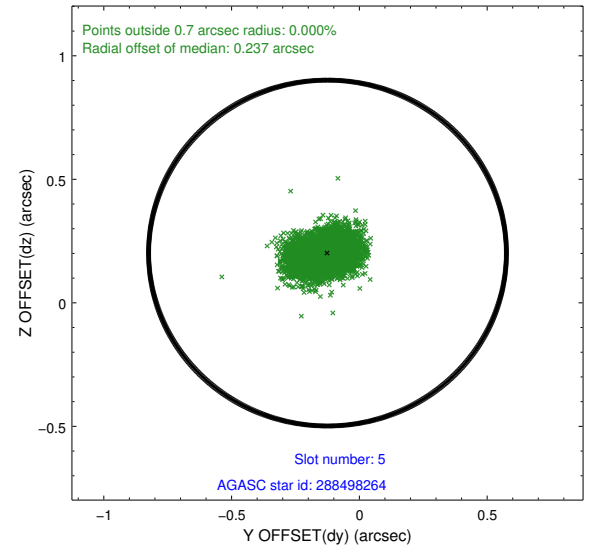
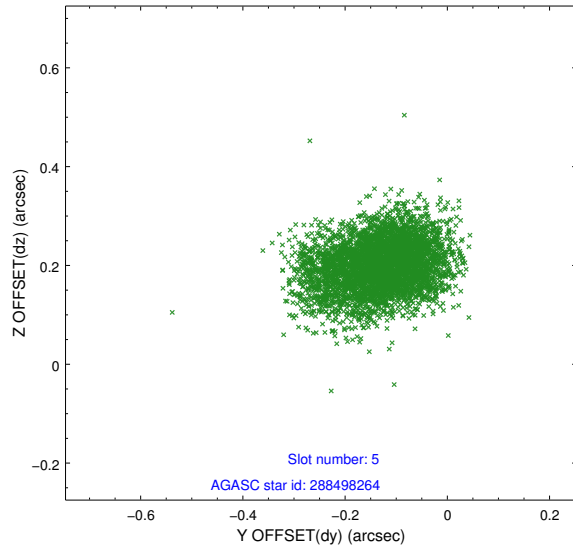
2.4.1 Slot 3



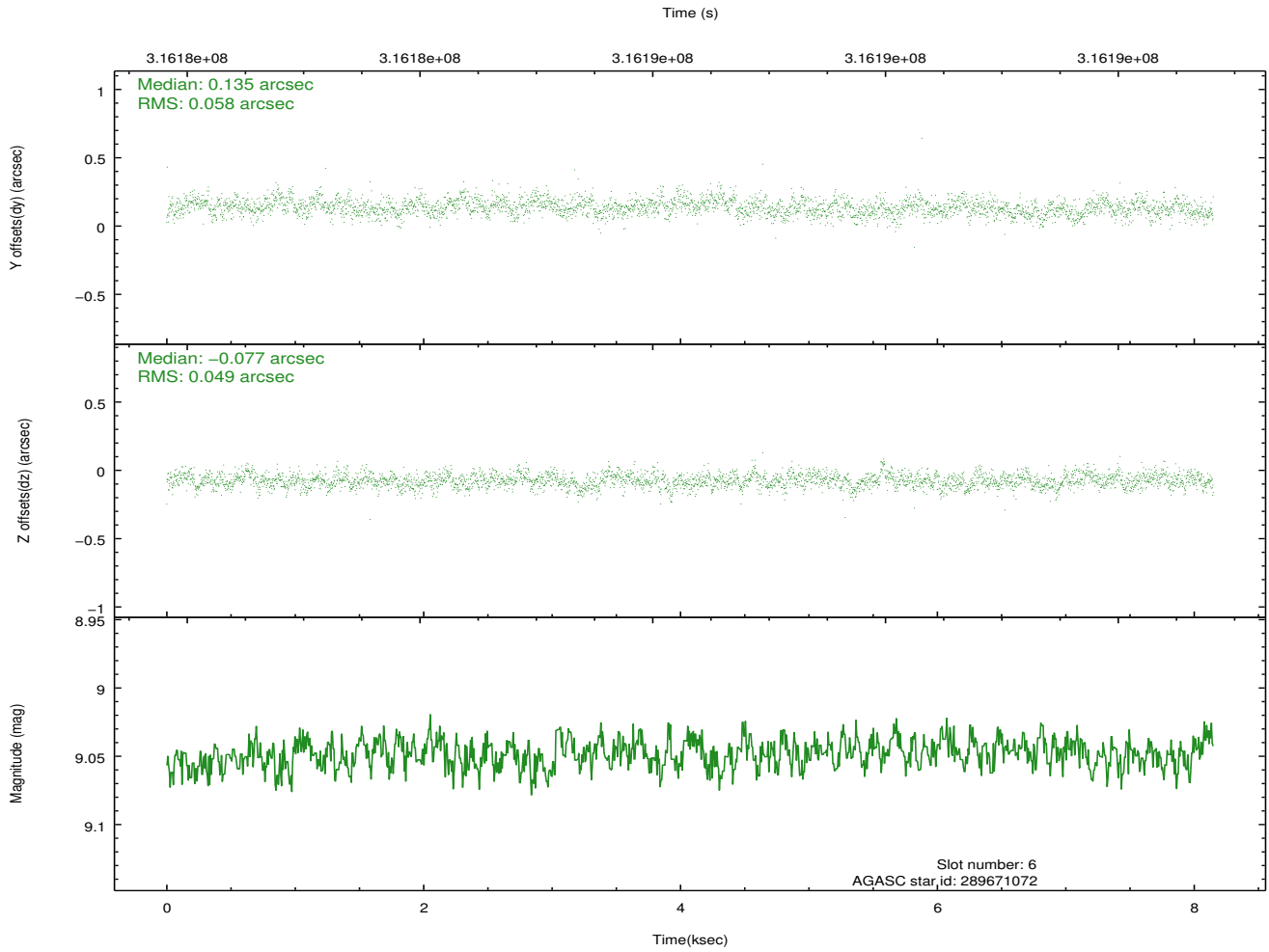
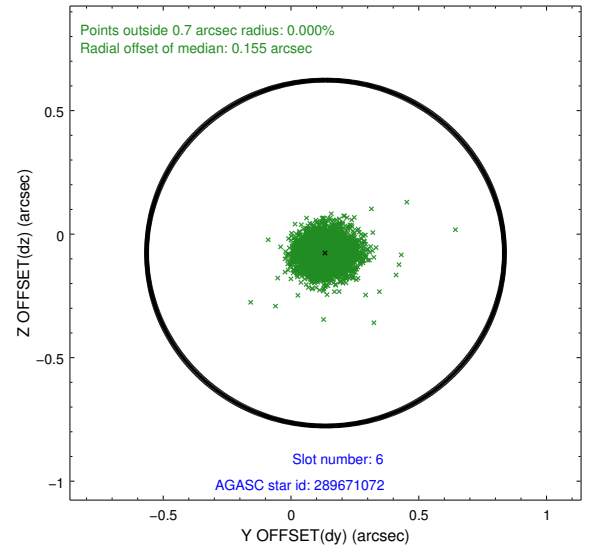
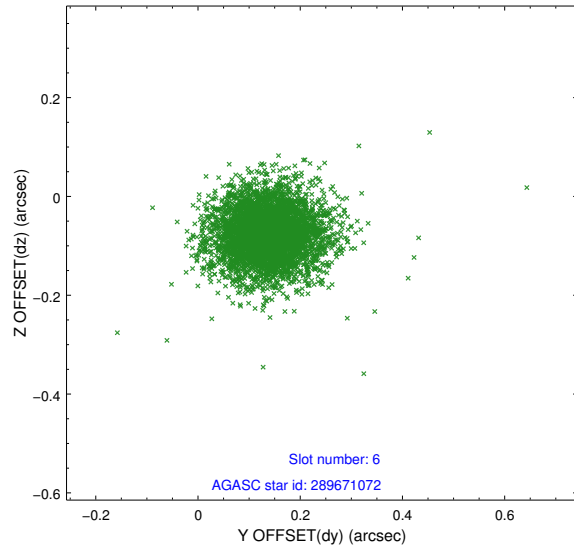
2.4.2 Slot 4



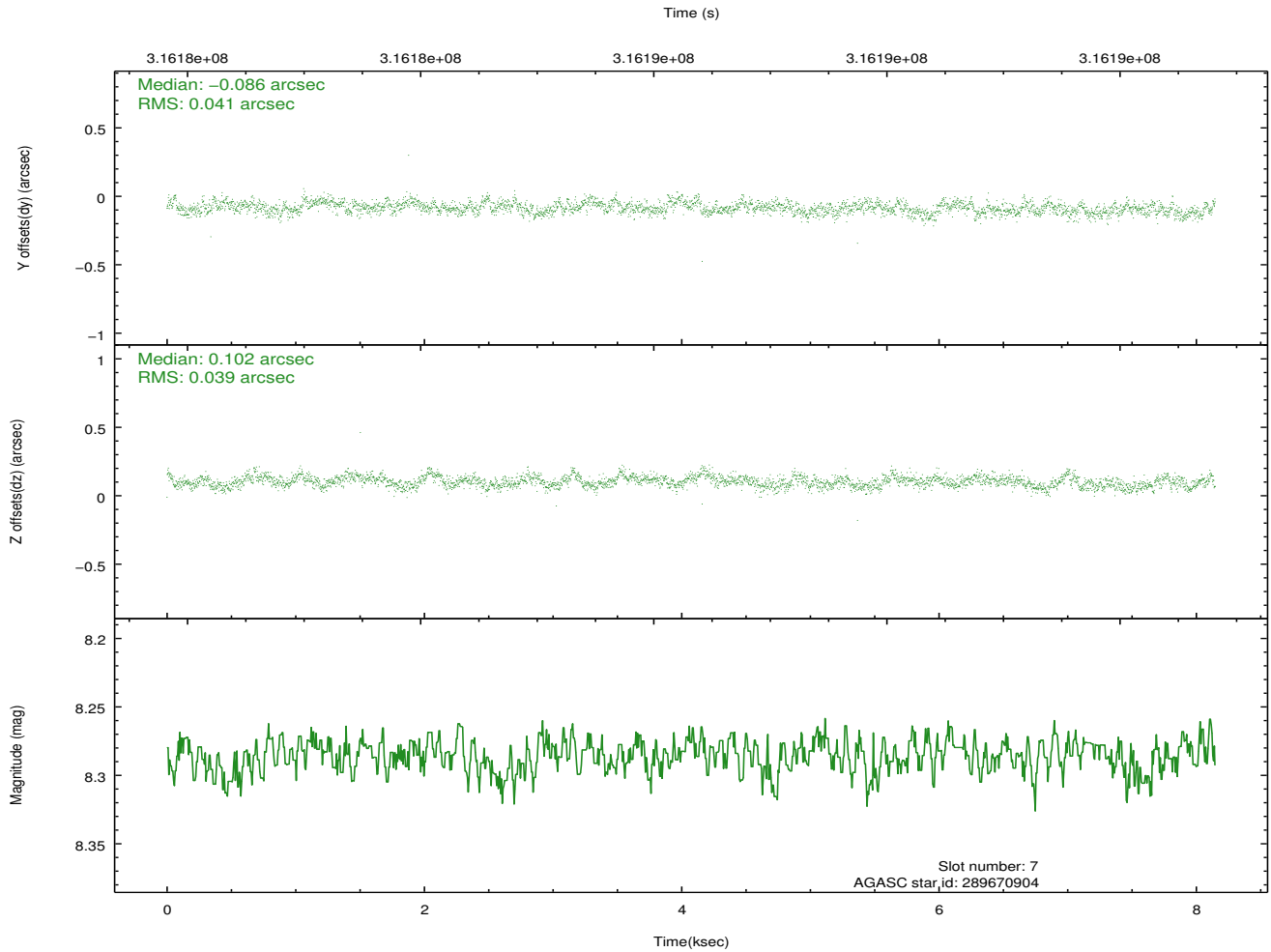
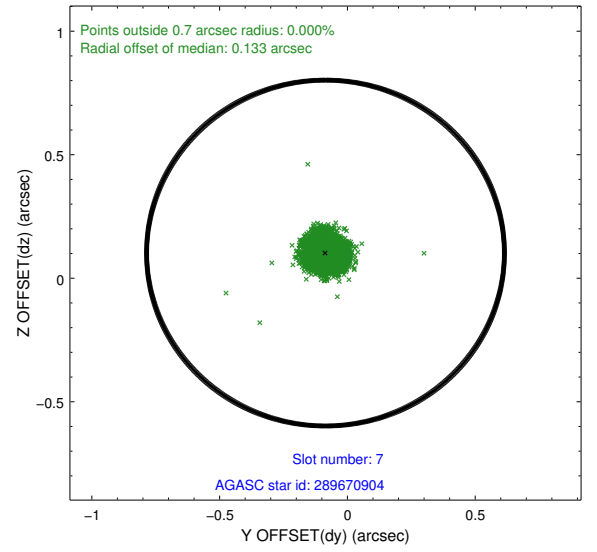
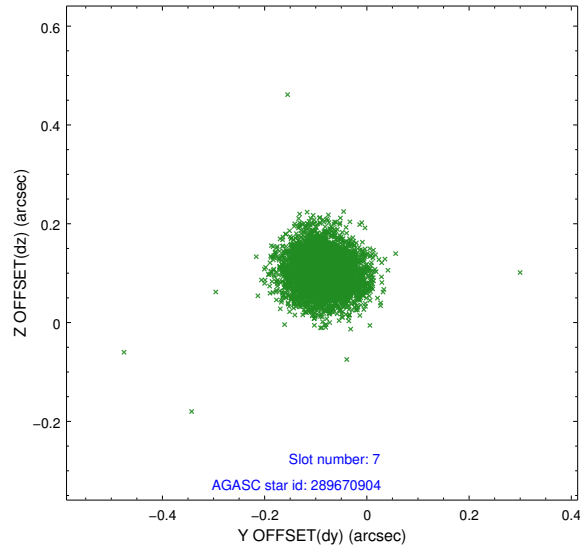
2.4.3 Slot 5



2.4.4 Slot 6

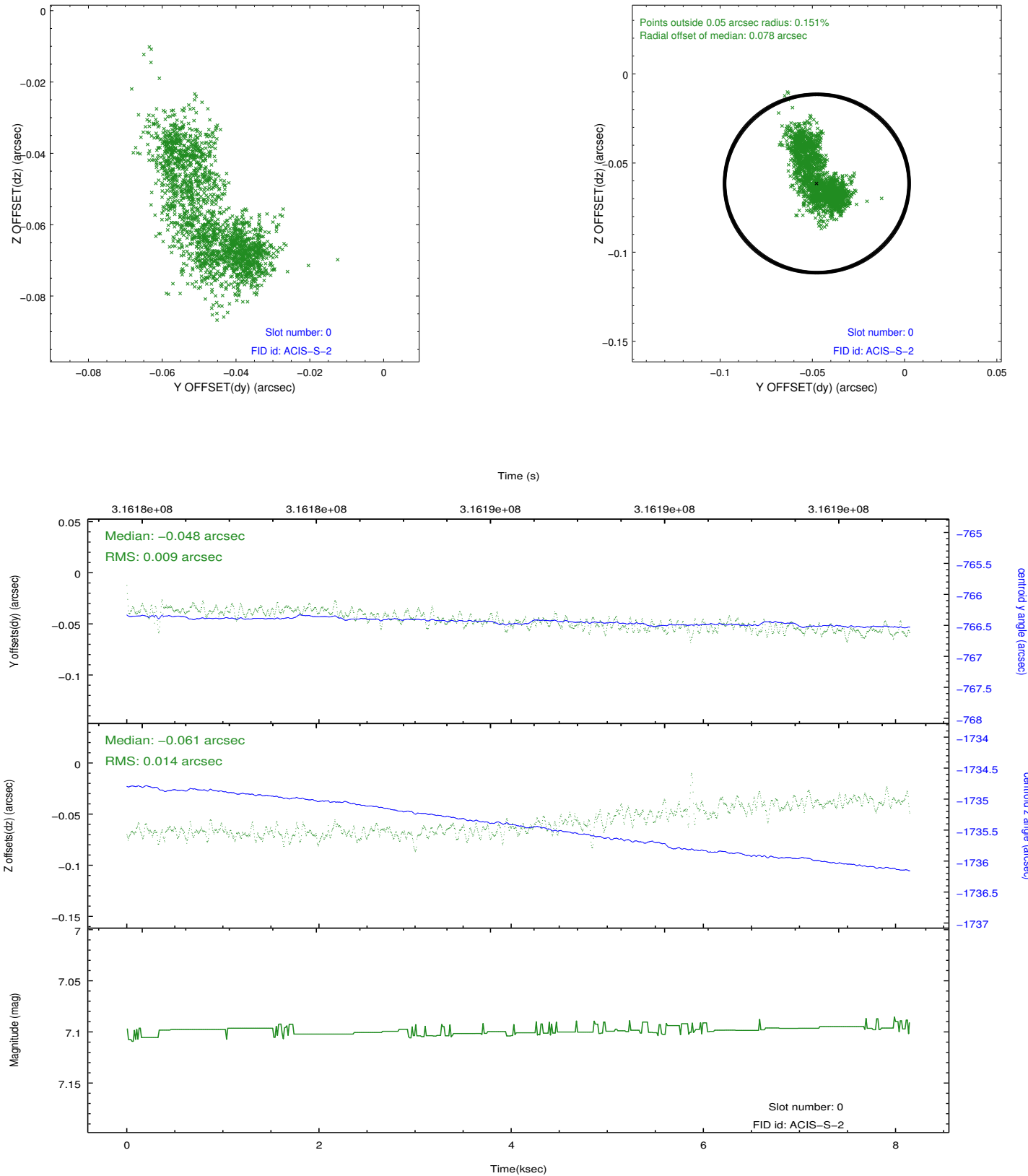


2.4.5 Slot 7

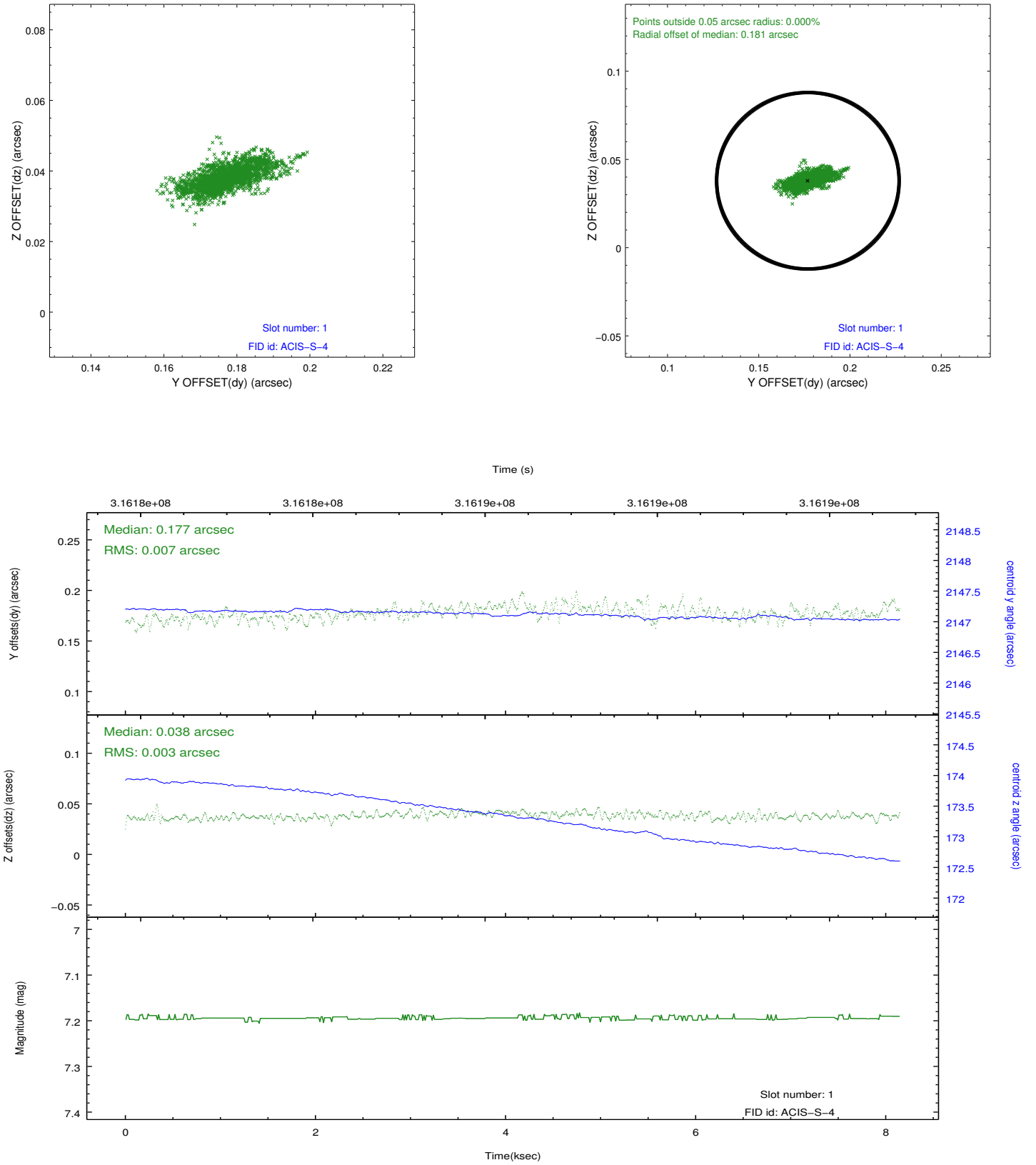


2.5 FID Slots

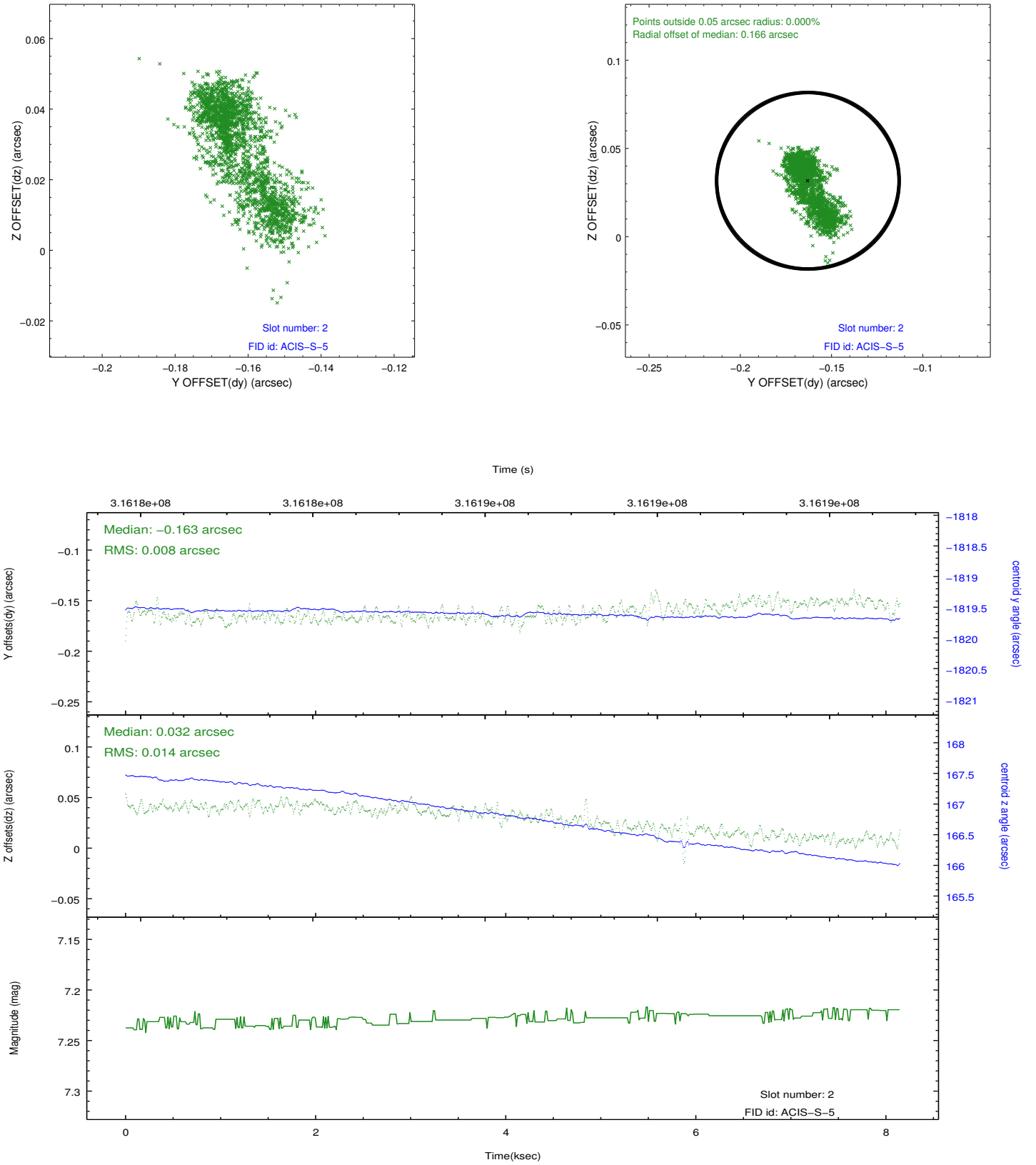
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.14370006

A.2 Comments