

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5180 - L2 Version 3
Chandra X-Ray Center

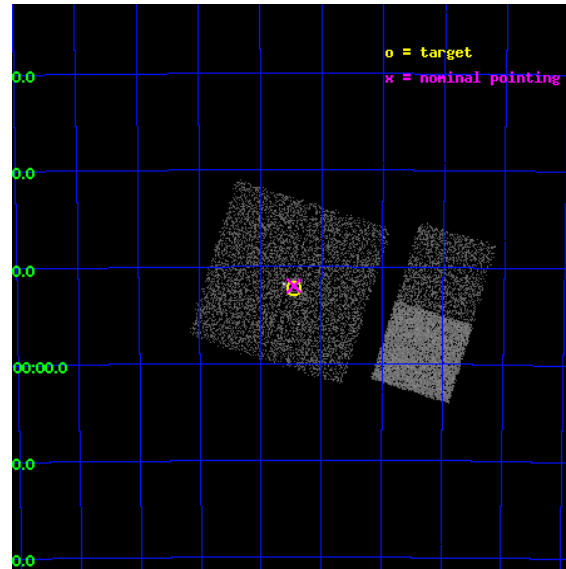
L2 Processing Date : Nov 12 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

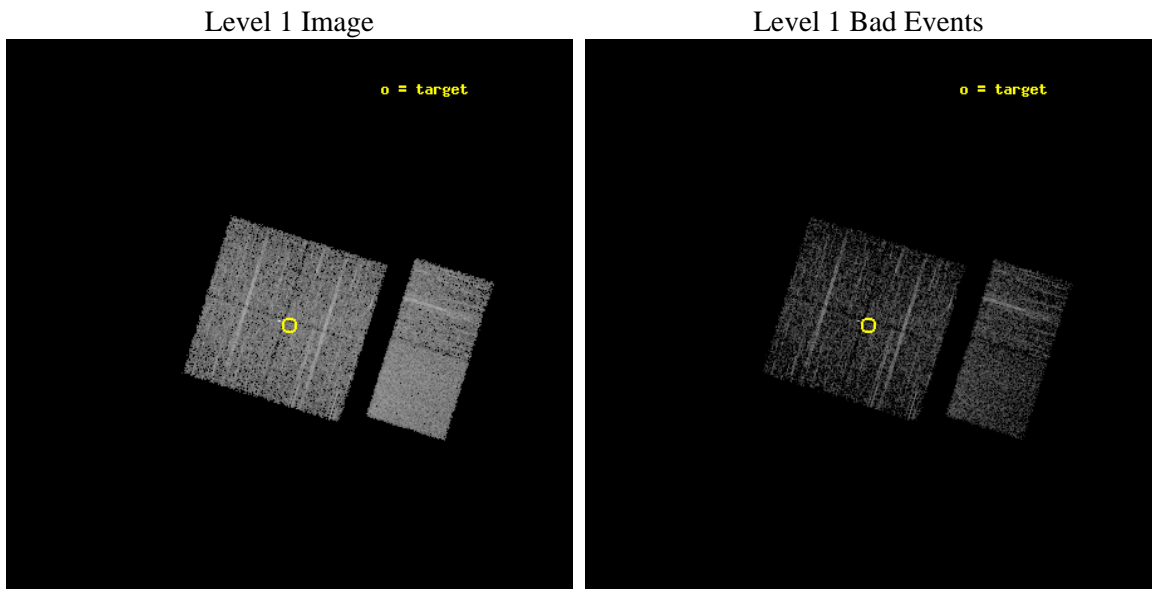
seq_num	200288	Sequence number
obs_id	5180	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HR 7012	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.362083	Observer's specified target RA [deg]
dec_targ	-64.870833	Observer's specified target Dec [deg]
ra_nom	281.36323081333	Nominal RA [deg]
dec_nom	-64.866311161632	Nominal Dec [deg]
roll_nom	107.39779570249	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2982.3999888897	Sum of GTIs [s]
livetime	2944.6350444447	Livetime [s]
ontime0	2982.3999888897	Sum of GTIs [s]
ontime1	2982.3999888897	Sum of GTIs [s]
ontime2	2982.3999888897	Sum of GTIs [s]
ontime3	2982.3999888897	Sum of GTIs [s]
ontime6	2982.3999888897	Sum of GTIs [s]
ontime7	2982.3999888897	Sum of GTIs [s]
l2events	22512	Number of level 2 events



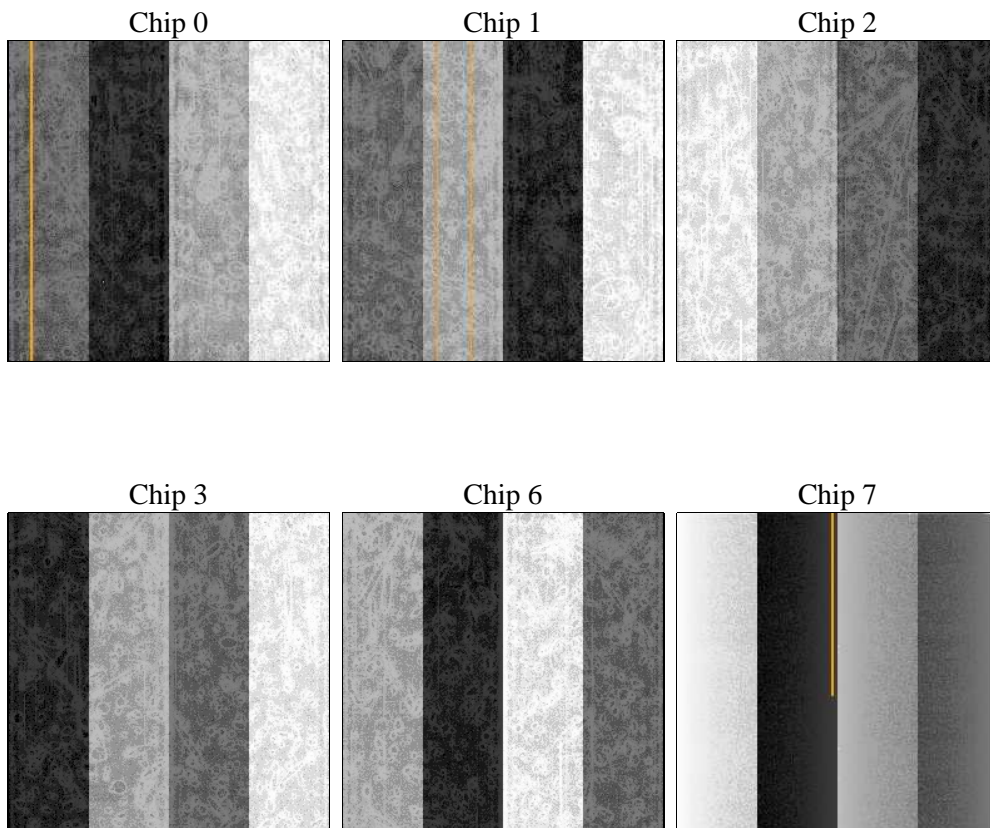
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2982.3999888897	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	2982.3999888897	Sum of GTIs [s]
date	2012-11-12T17:09:34	Date and time of file creation	ontime1	2982.3999888897	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2982.3999888897	Sum of GTIs [s]
			ontime3	2982.3999888897	Sum of GTIs [s]
			ontime6	2982.3999888897	Sum of GTIs [s]
			ontime7	2982.3999888897	Sum of GTIs [s]
			l1events	124363	Number of level 1 events

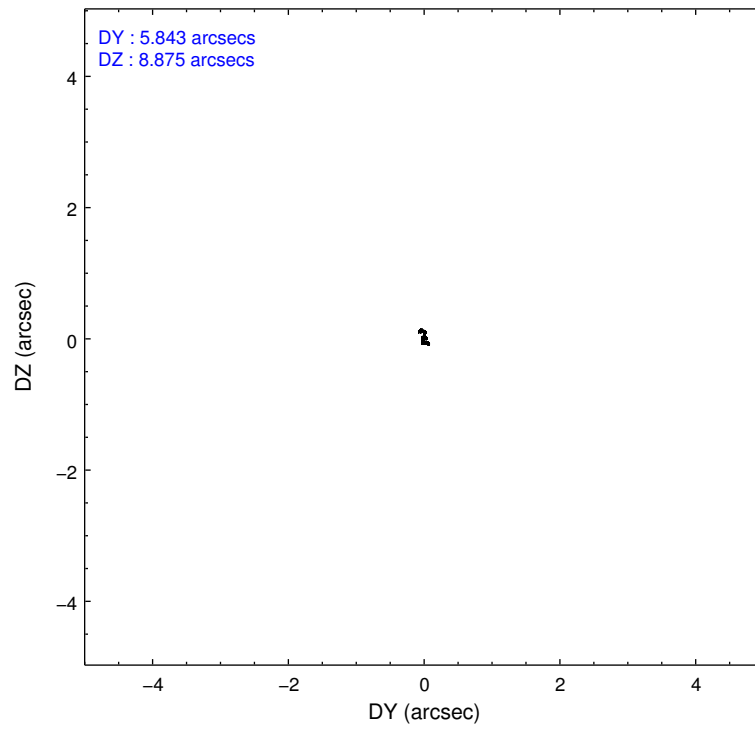
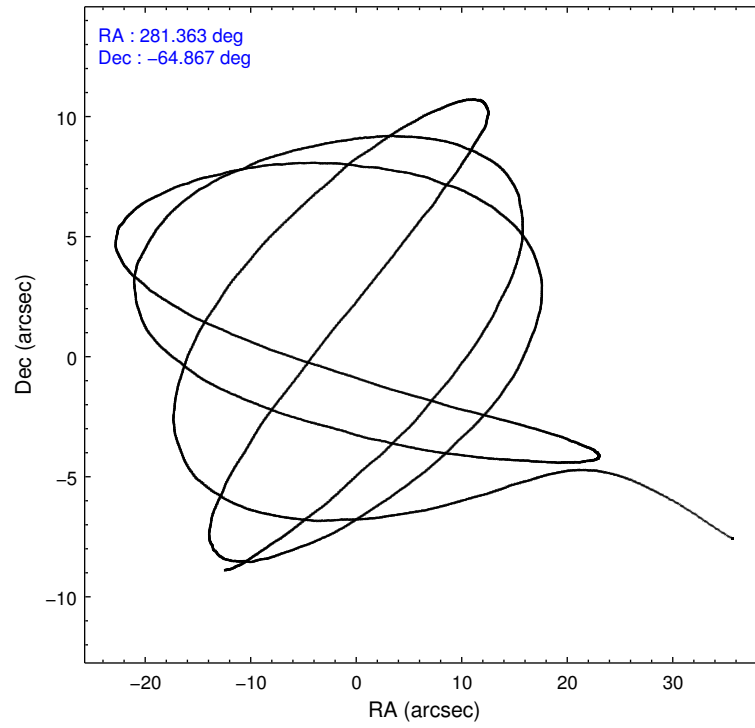
2.1.4 Events

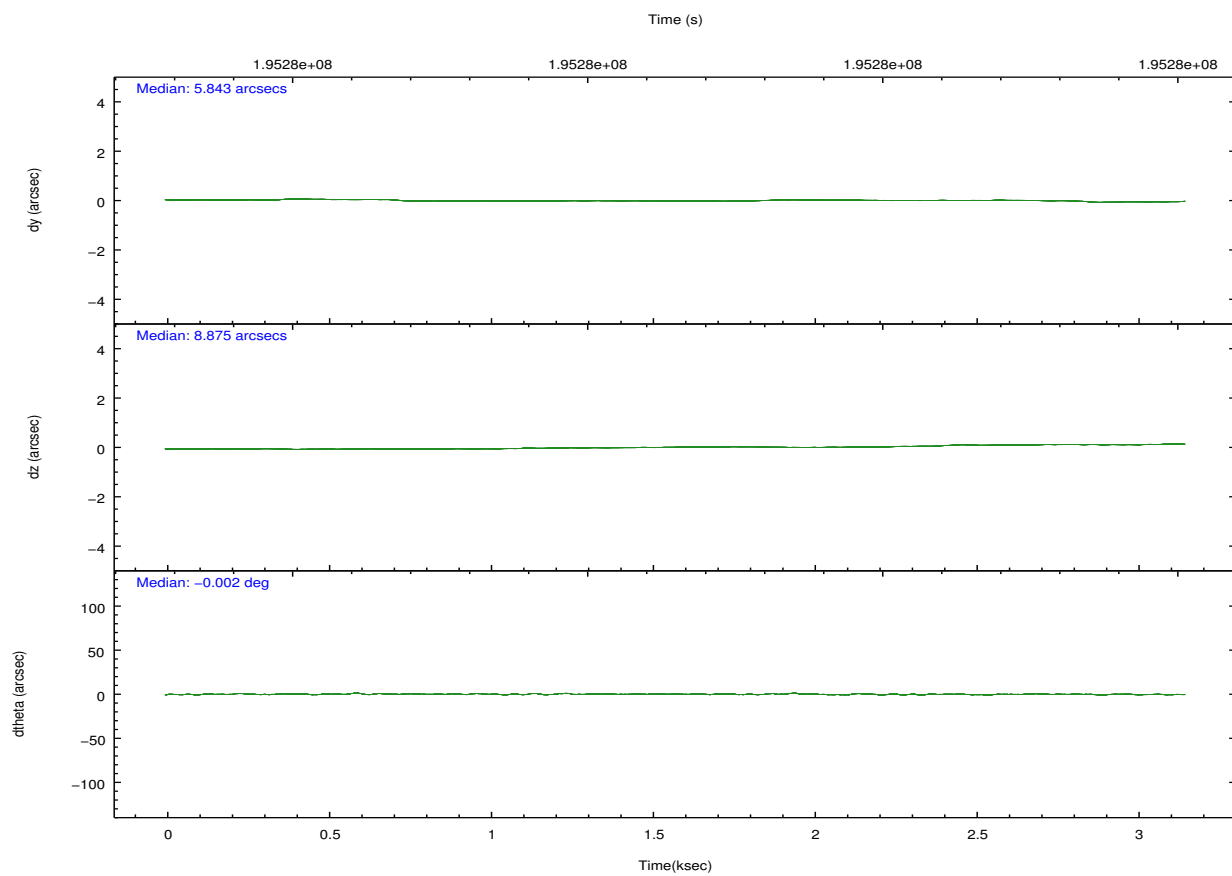
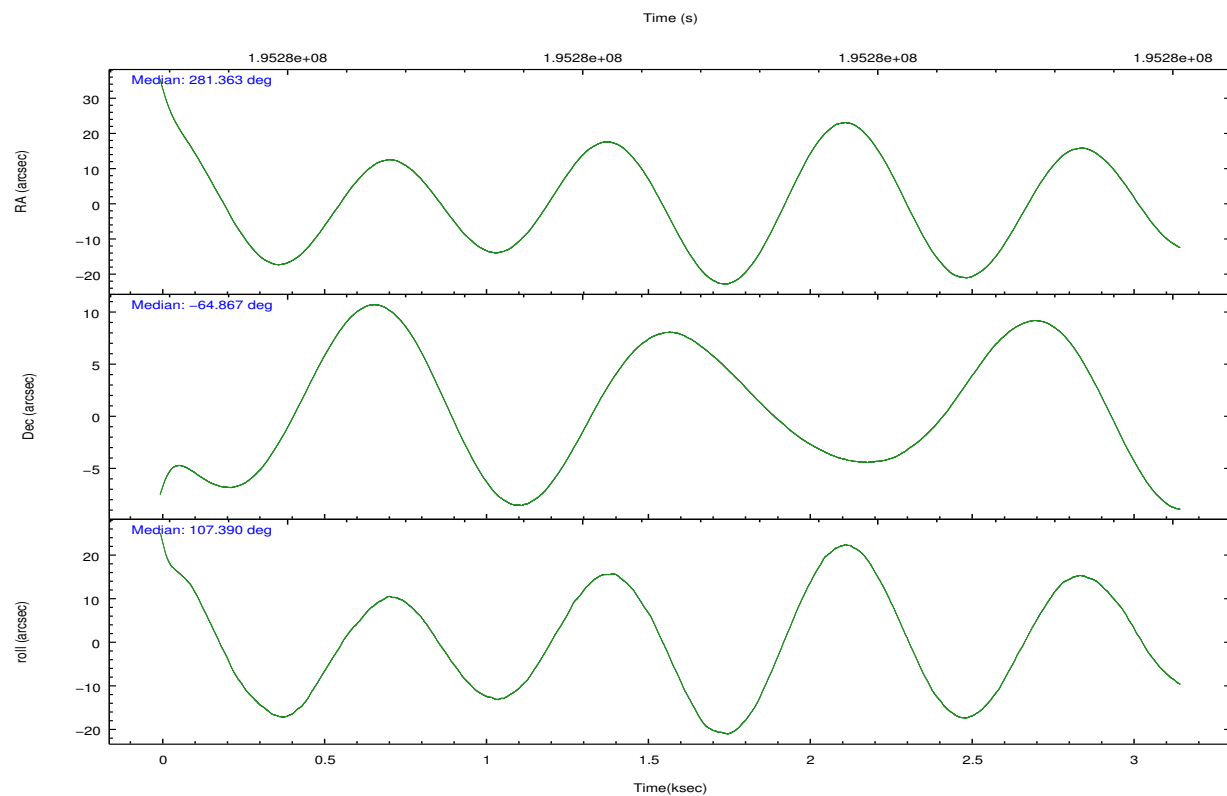
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17685	19215	19582	19672	20810	27399	grade 0 events	1110	1524	1190	1143	1011	1025
rejected events	15159	15831	17112	17255	18356	16124		6%	7%	6%	5%	4%	3%
rejected %	85%	82%	87%	87%	88%	58%	grade 1 events	18	116	8	6	8	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	525	696	483	420	525	2222
								2%	3%	2%	2%	2%	8%
							grade 3 events	250	328	193	215	234	1001
								1%	1%	0%	1%	1%	3%
							grade 4 events	214	310	211	231	221	1031
								1%	1%	1%	1%	1%	3%
							grade 5 events	846	932	721	917	975	2625
								4%	4%	3%	4%	4%	9%
							grade 6 events	430	531	393	415	472	6017
								2%	2%	2%	2%	2%	21%
							grade 7 events	14292	14778	16383	16325	17364	13447
								80%	76%	83%	82%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	281.410802	281.3632308133308	Subarray requested	NONE	NONE
[deg] Pointing Dec	-64.884660	-64.86631116163213	Alternating exposures requested	N	N
[deg] Pointing Roll	107.232206	107.3977957024875	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	195277870.184000	195276767.20898			
Observation start date	2004-03-10T03:50:06	2004-03-10T03:32:47			
[s] Observation end time (MET)	195280870.184000	195281512.95919			
Observation end date	2004-03-10T04:40:06	2004-03-10T04:51:52			
Read mode	TIMED	TIMED			

2.3 Aspect



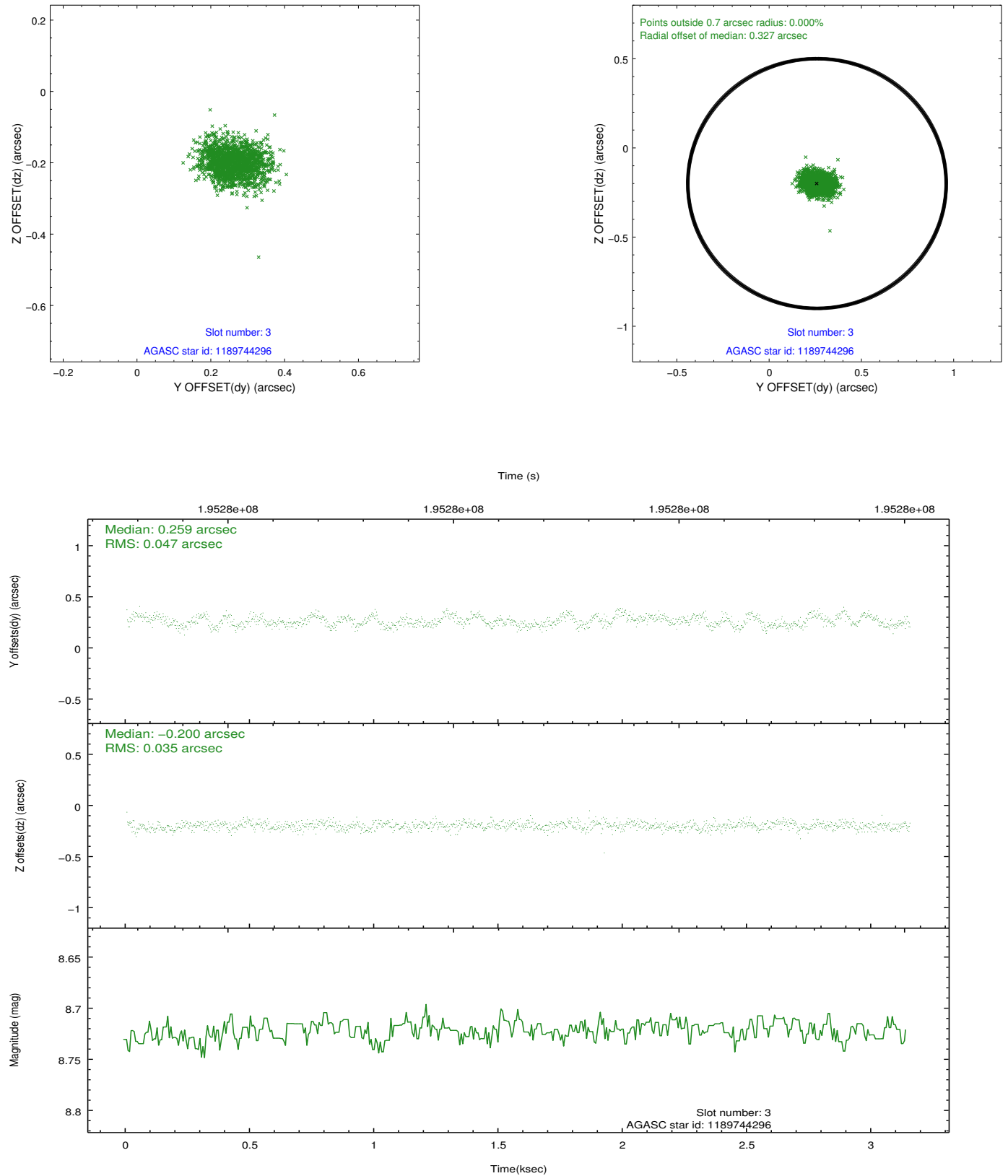


Slot Statistics

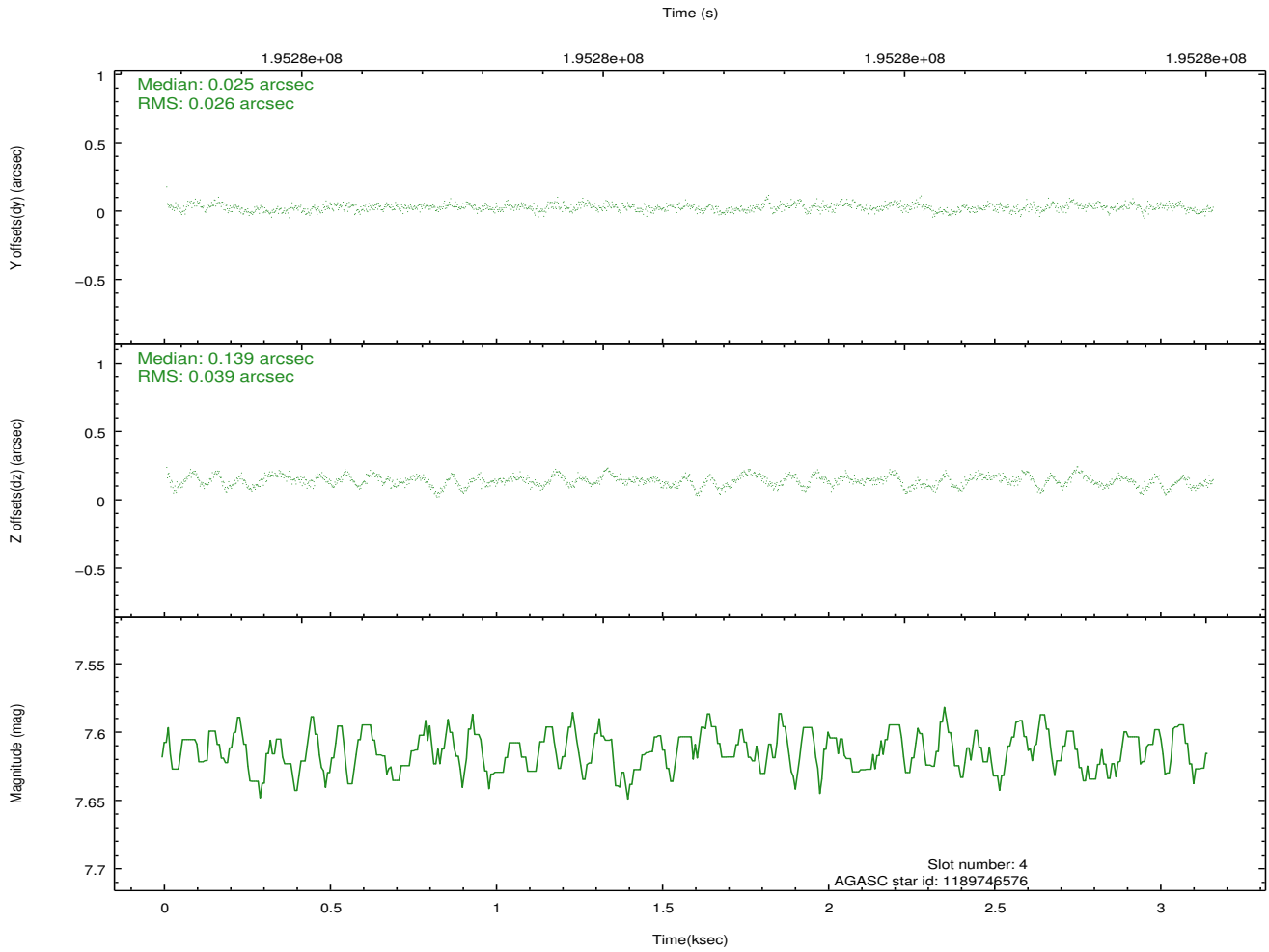
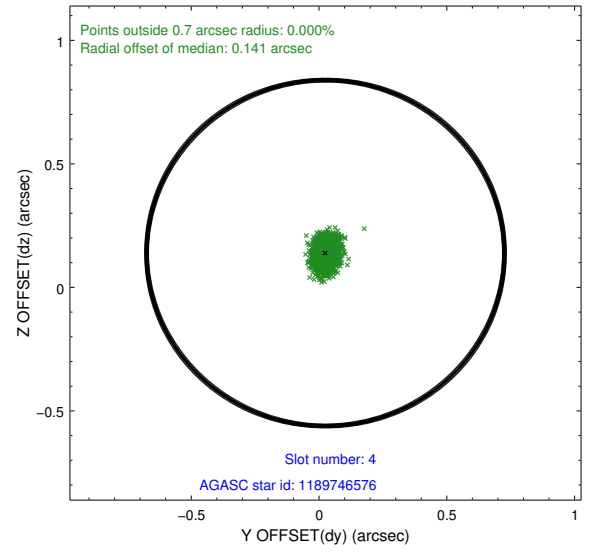
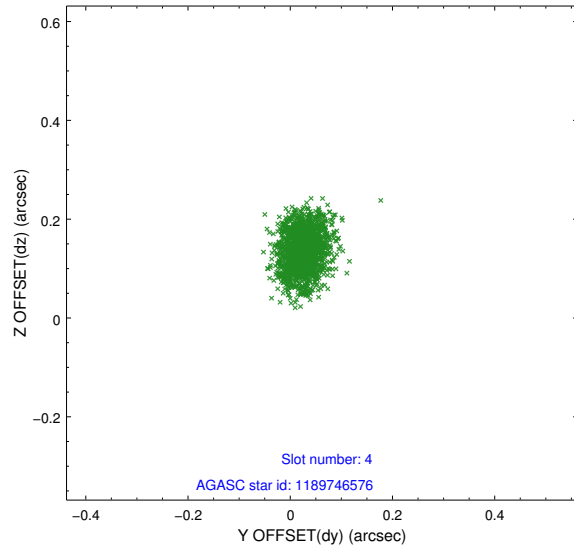
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	769	0.011	0.041	0.007	0.011	0.000000	0.000000	933.88	-832.28
1	FID	ACIS-I-5	7.23	769	-0.156	0.040	0.006	0.010	0.000000	0.000000	-1813.27	1064.19
2	FID	ACIS-I-6	7.26	769	0.054	-0.011	0.007	0.011	0.000000	0.000000	397.27	1710.94
3	GUIDE	1189744296	8.72	1538	0.259	-0.200	0.063	0.102	280.481024	-65.523860	-1796.28	2008.99
4	GUIDE	1189746576	7.62	1538	0.025	0.139	0.050	0.081	282.384889	-64.790084	-128.57	-1522.39
5	GUIDE	1189750376	9.49	1537	0.080	0.263	0.091	0.148	282.722285	-64.899089	-661.87	-1891.93
6	GUIDE	1189753928	7.98	1538	-0.188	-0.127	0.061	0.097	280.013070	-64.725745	1159.91	1888.30
7	GUIDE	1189745648	8.75	1537	-0.178	-0.073	0.068	0.106	280.511862	-64.323531	2335.47	745.60

2.4 Star Slots

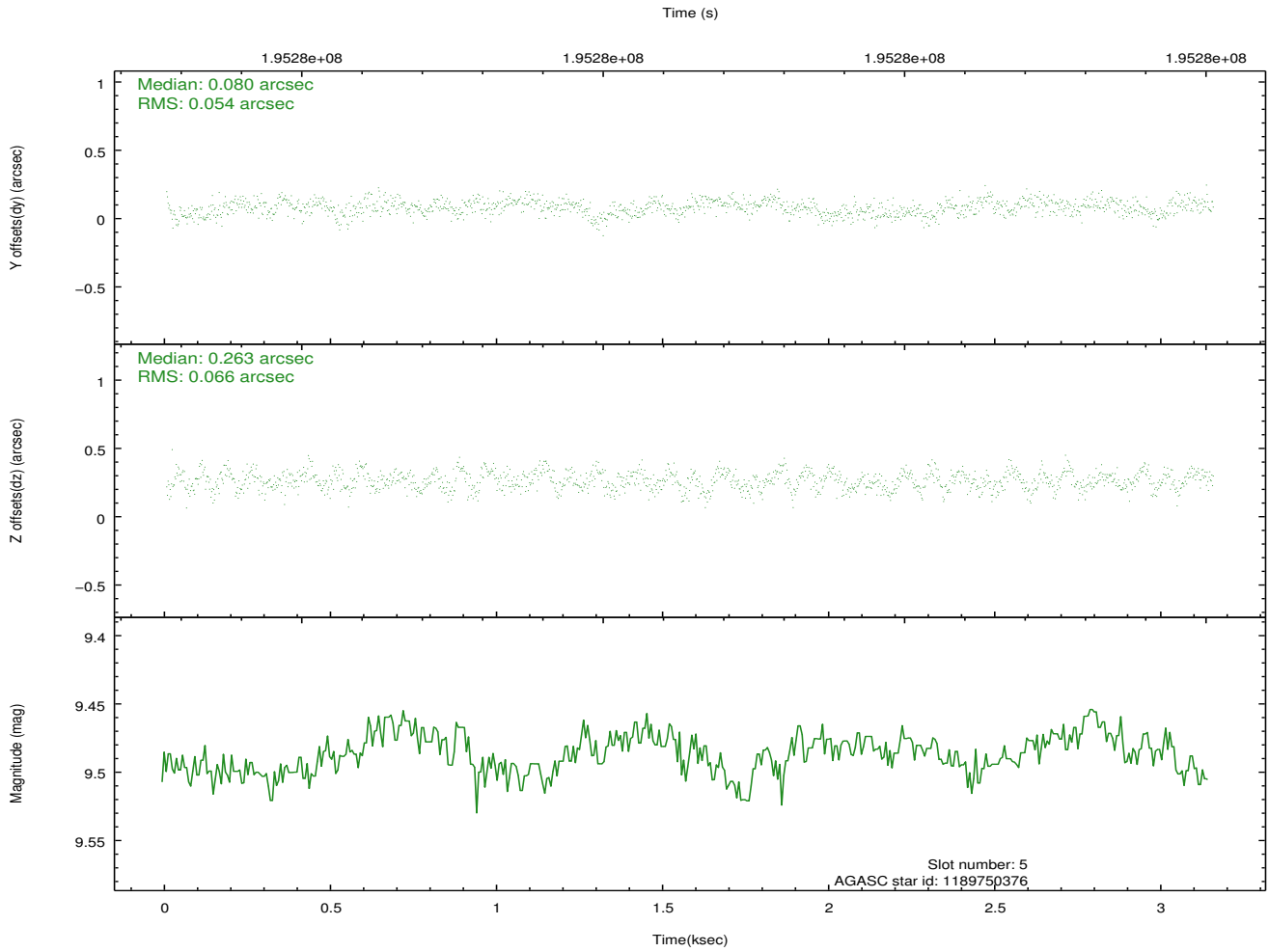
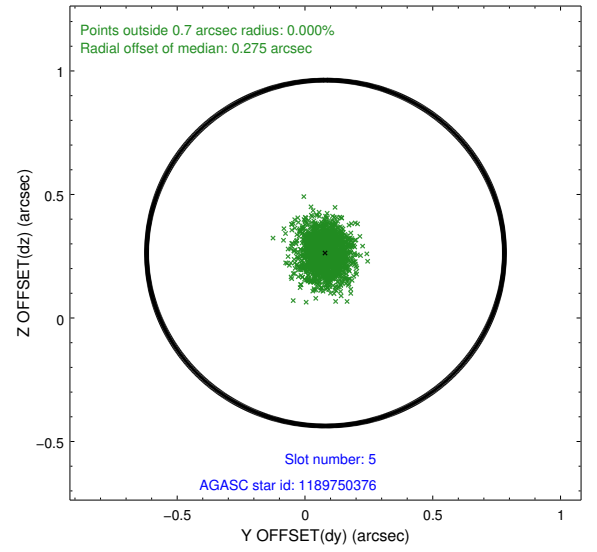
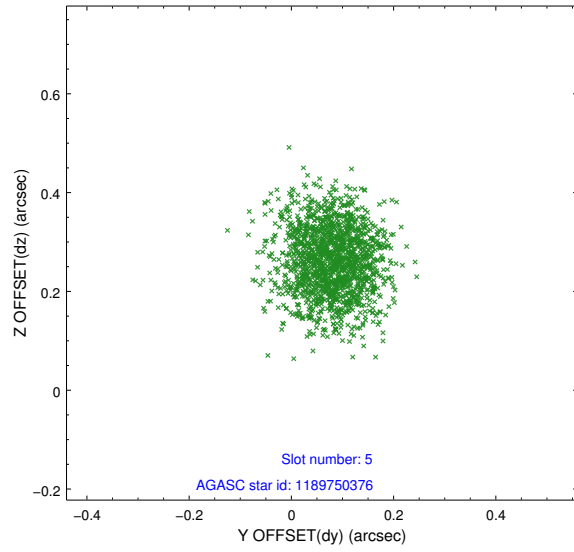
2.4.1 Slot 3



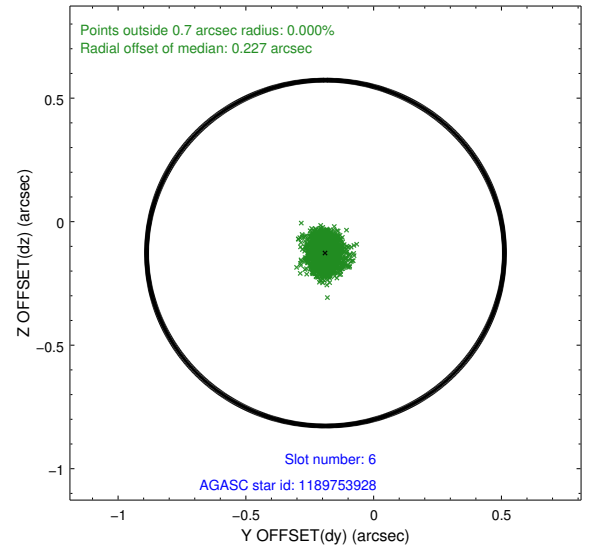
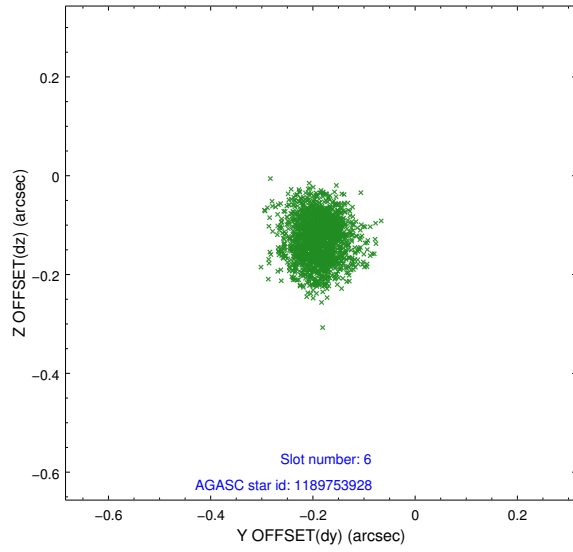
2.4.2 Slot 4



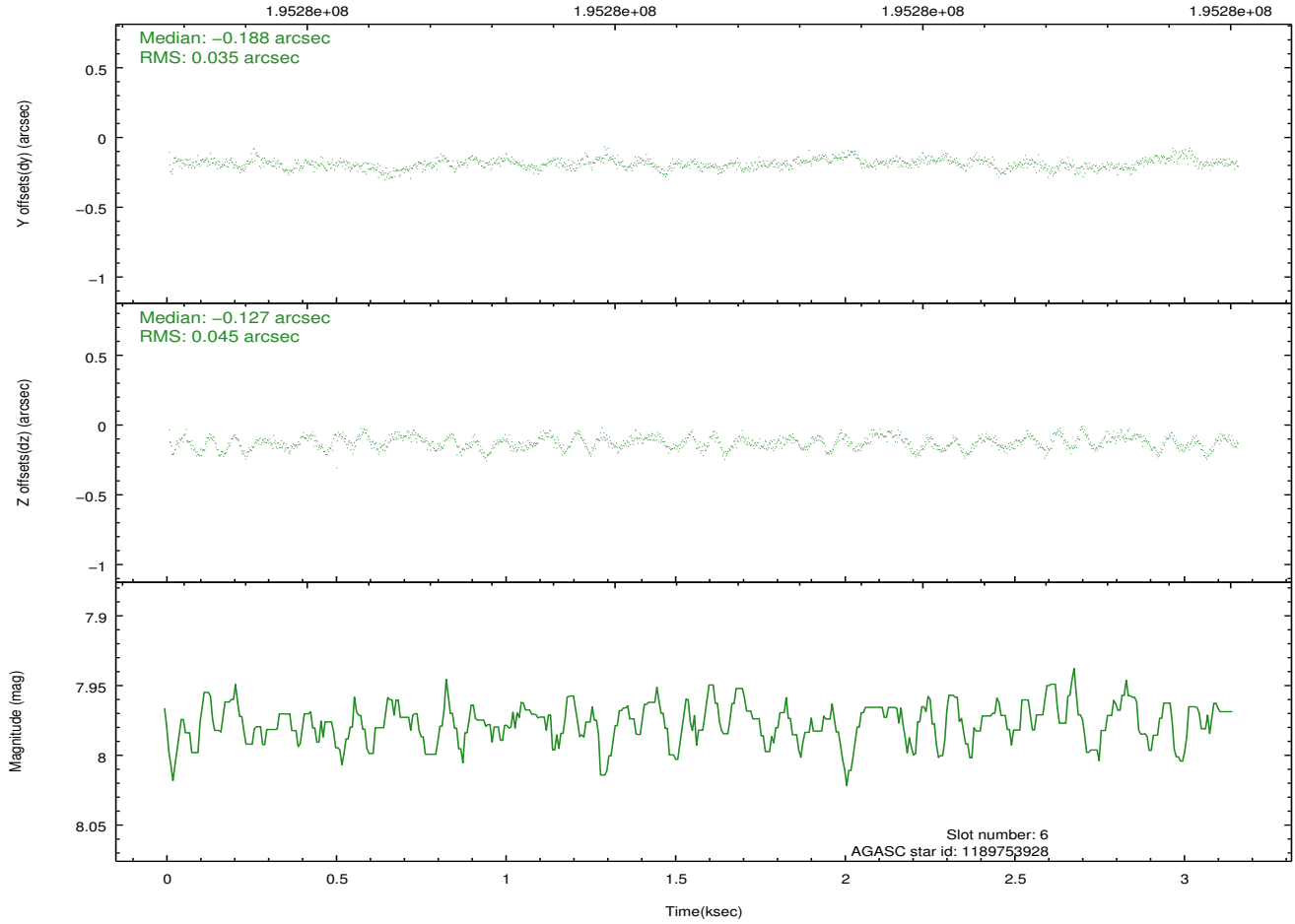
2.4.3 Slot 5



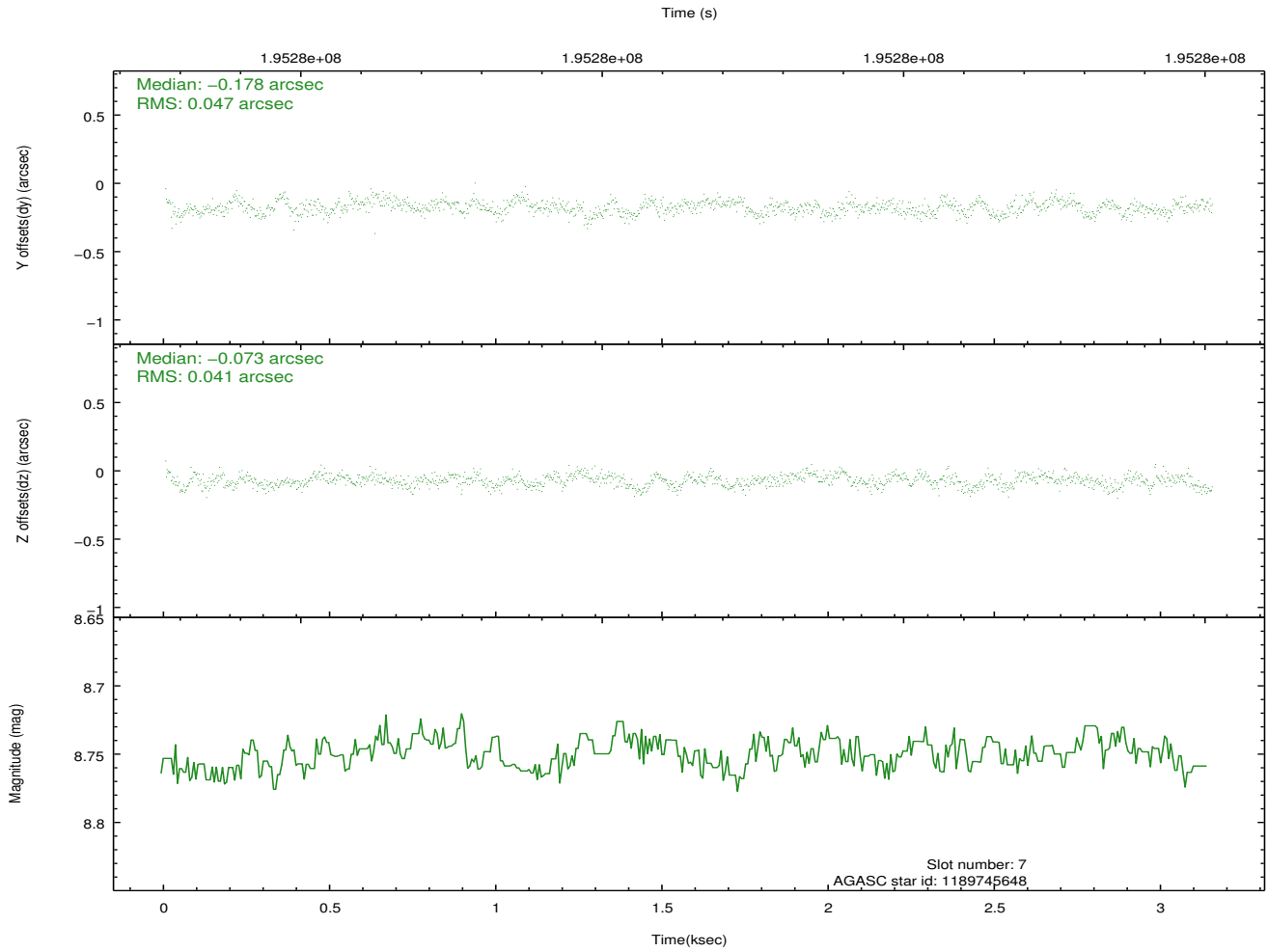
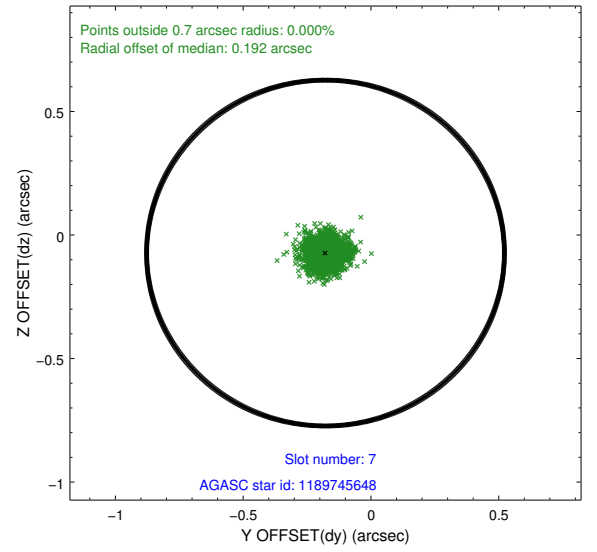
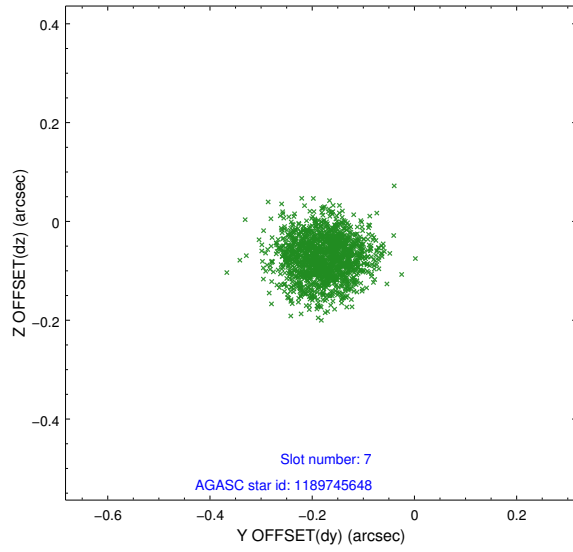
2.4.4 Slot 6



Time (s)

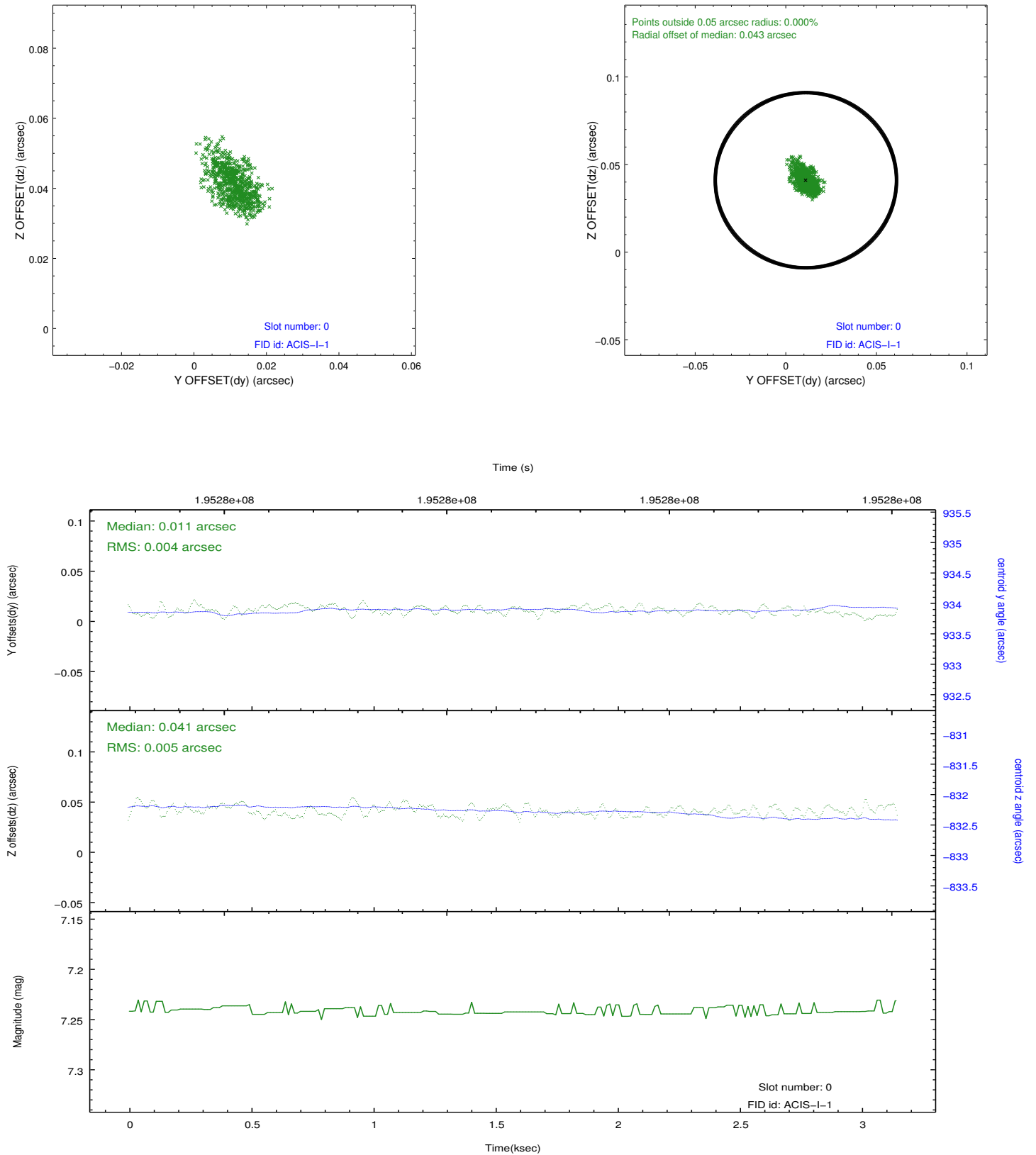


2.4.5 Slot 7

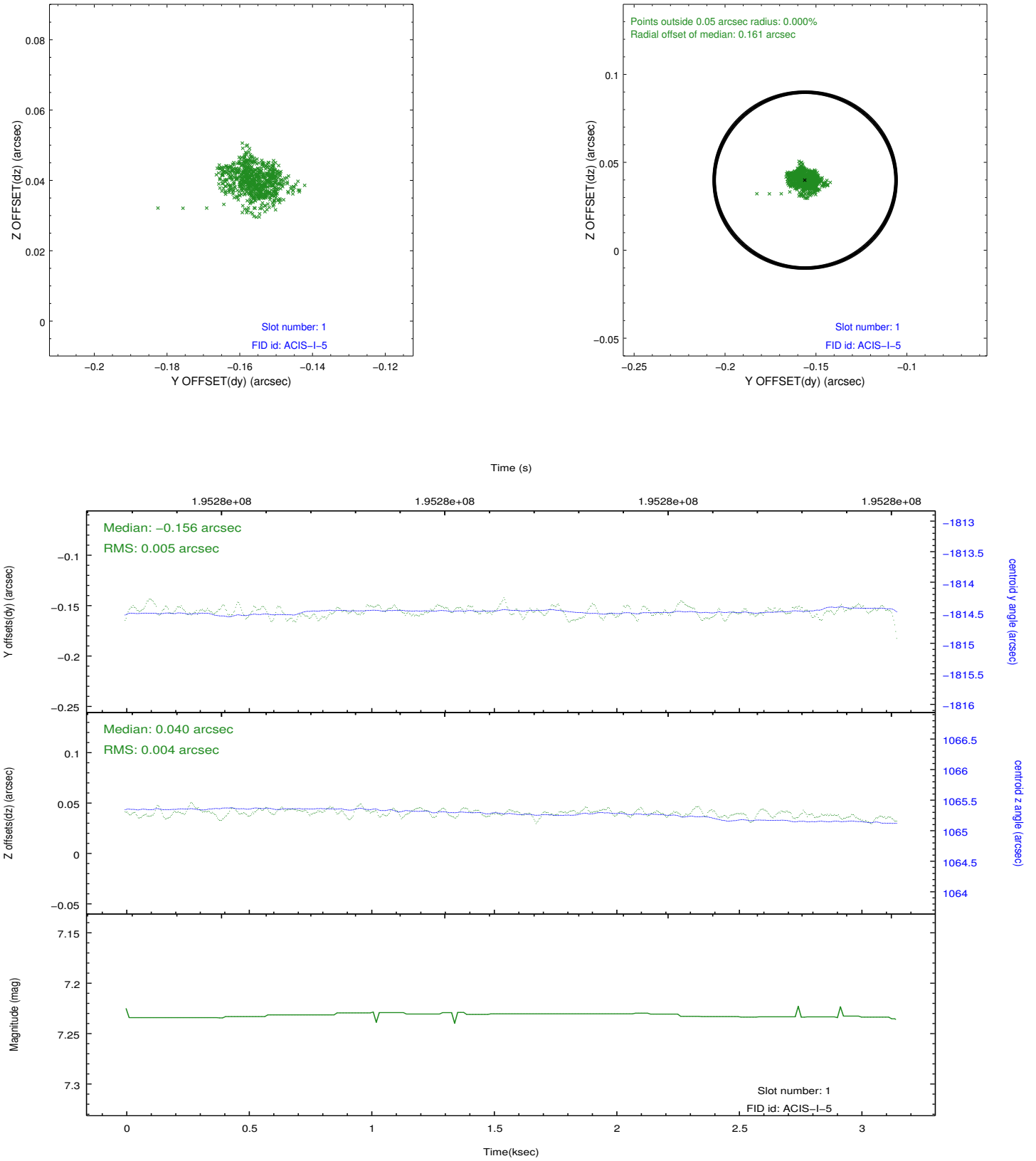


2.5 FID Slots

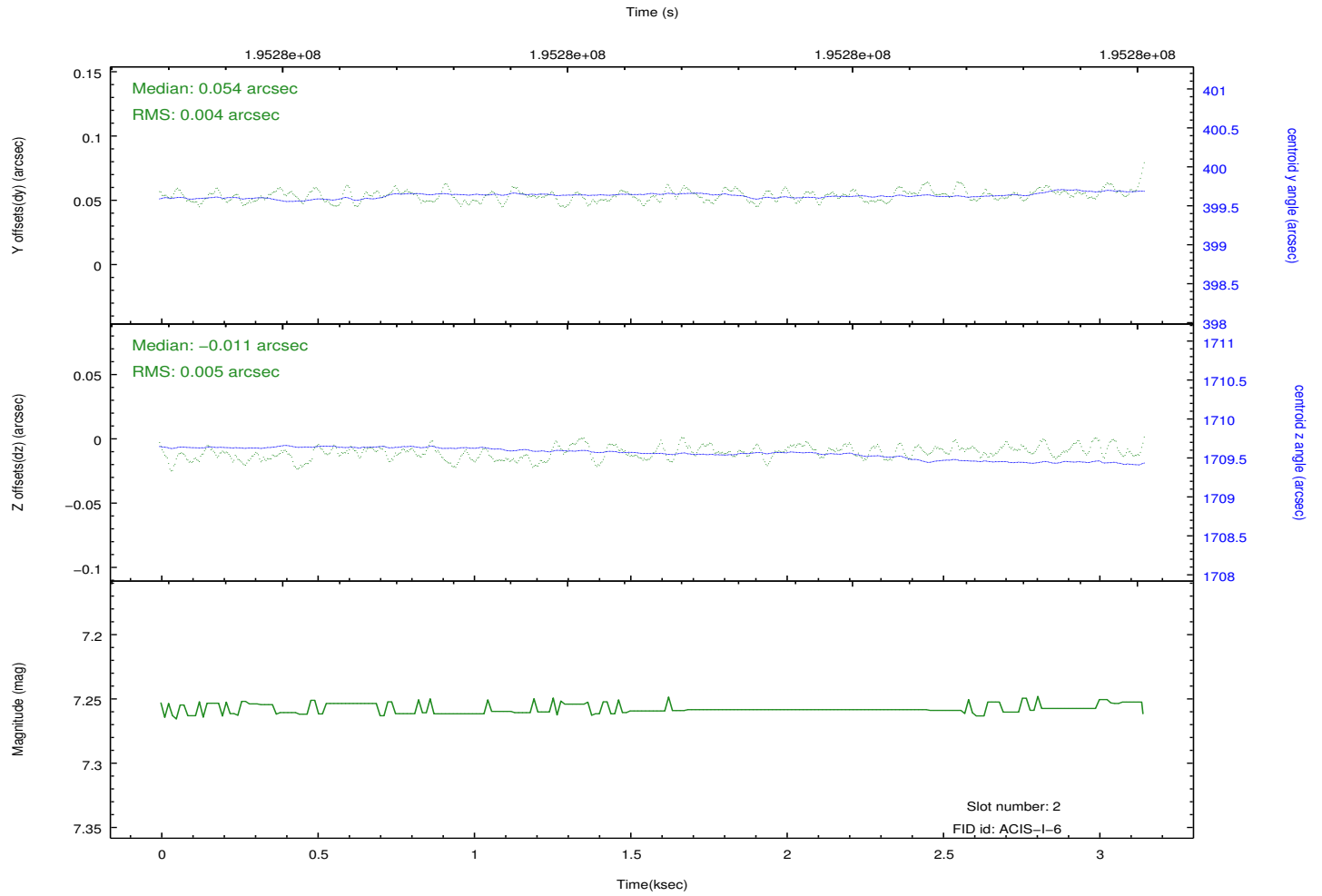
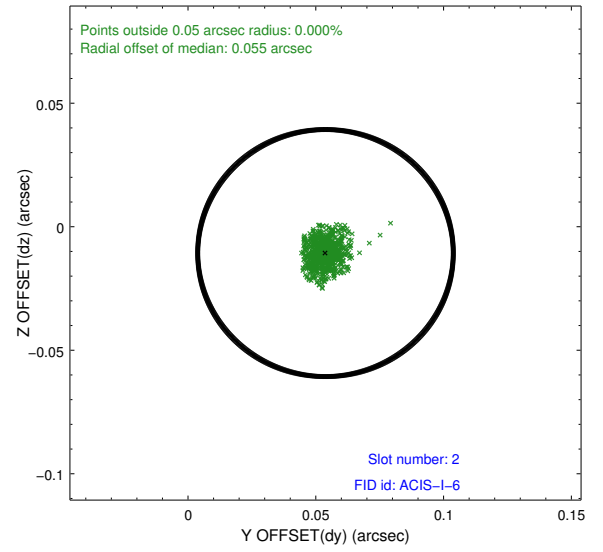
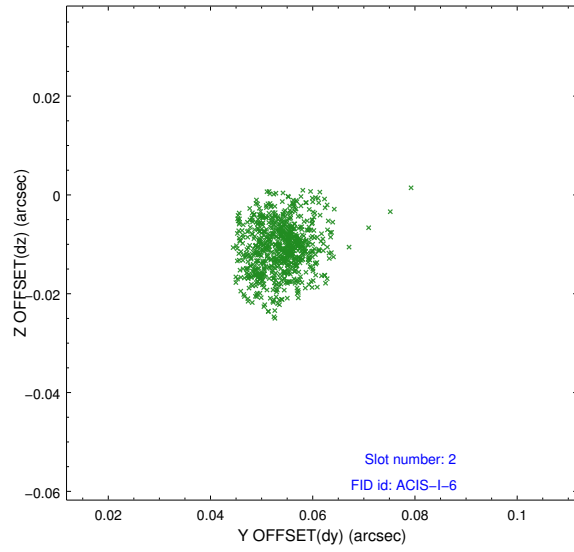
2.5.1 Slot 0



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)	2012.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.985

A.2 Comments