

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15004 - L2 Version 2
Chandra X-Ray Center

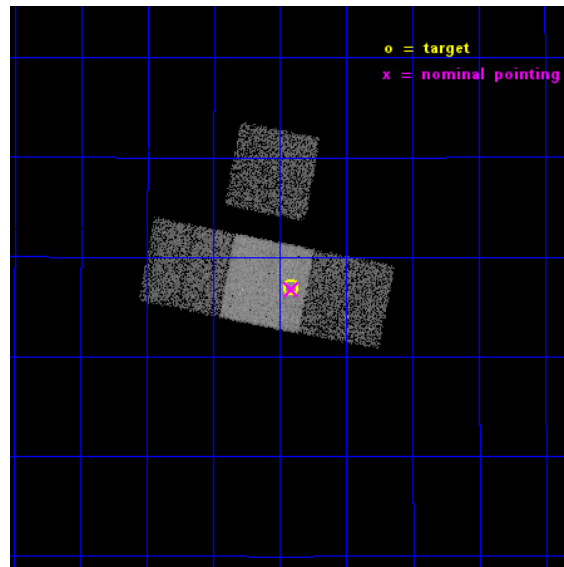
L2 Processing Date : Dec 2 2014

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1 Front

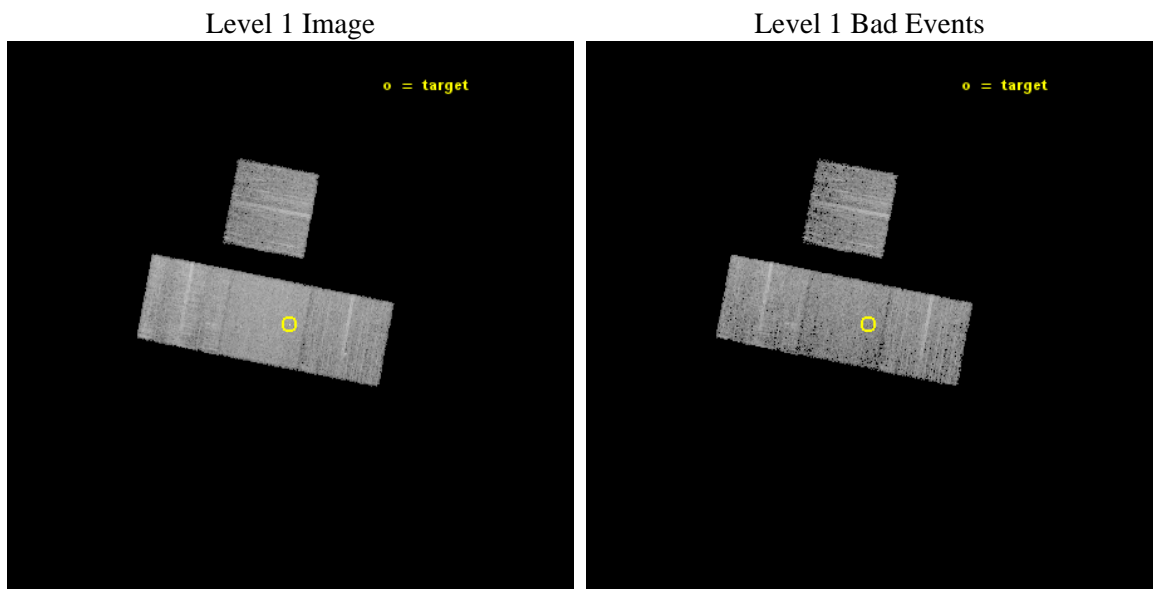
seq_num	702812	Sequence number
obs_id	15004	Observation id
title	The Herschel Legacy of powerful 3C radio galaxies and quasars II: observing Proposal.	Proposal title
observer	Dr Joanna Kuraszkiewicz	Principal investigator
object	3C263.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.854583	Observer's specified target RA [deg]
dec_targ	22.115583	Observer's specified target Dec [deg]
ra_nom	175.85337136811	Nominal RA [deg]
dec_nom	22.112755643406	Nominal Dec [deg]
roll_nom	190.94908359689	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10075.000077486	Sum of GTIs [s]
livetime	9943.3627843665	Livetime [s]
ontime3	10075.000077486	Sum of GTIs [s]
ontime6	10075.000077486	Sum of GTIs [s]
ontime7	10075.000077486	Sum of GTIs [s]
ontime8	10075.000077486	Sum of GTIs [s]
l2events	45199	Number of level 2 events



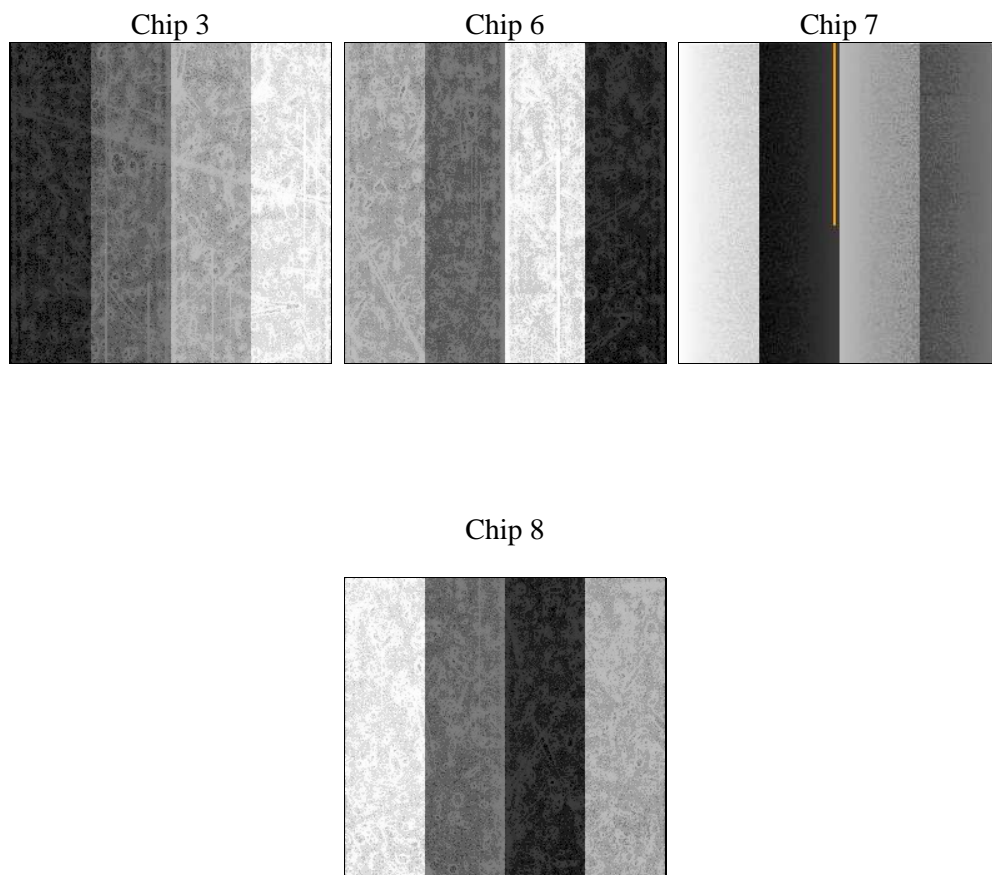
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10075.000077486	Sum of GTIs [s]
caldsver	4.6.4	 	ontime3	10075.000077486	Sum of GTIs [s]
date	2014-12-02T07:18:46	Date and time of file creation	ontime6	10075.000077486	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10075.000077486	Sum of GTIs [s]
			ontime8	10075.000077486	Sum of GTIs [s]
			l1events	232901	Number of level 1 events

2.1.4 Events

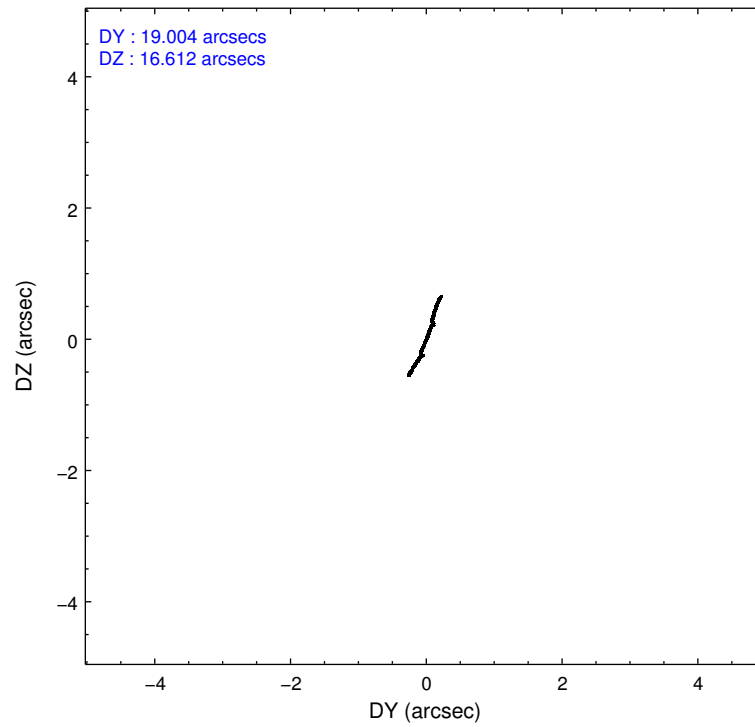
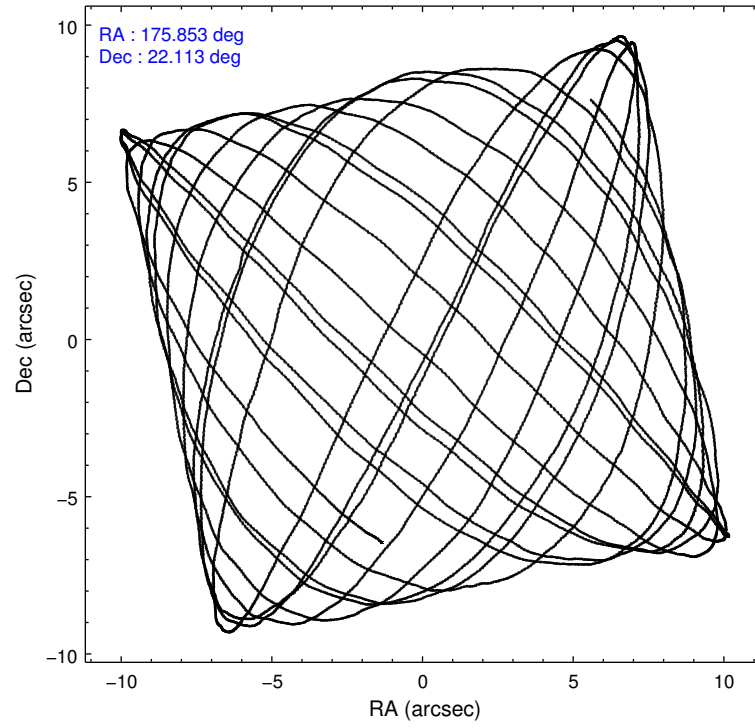
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	46617	50986	66929	68369
rejected events	41213	44833	37585	49688
rejected %	88%	87%	56%	72%

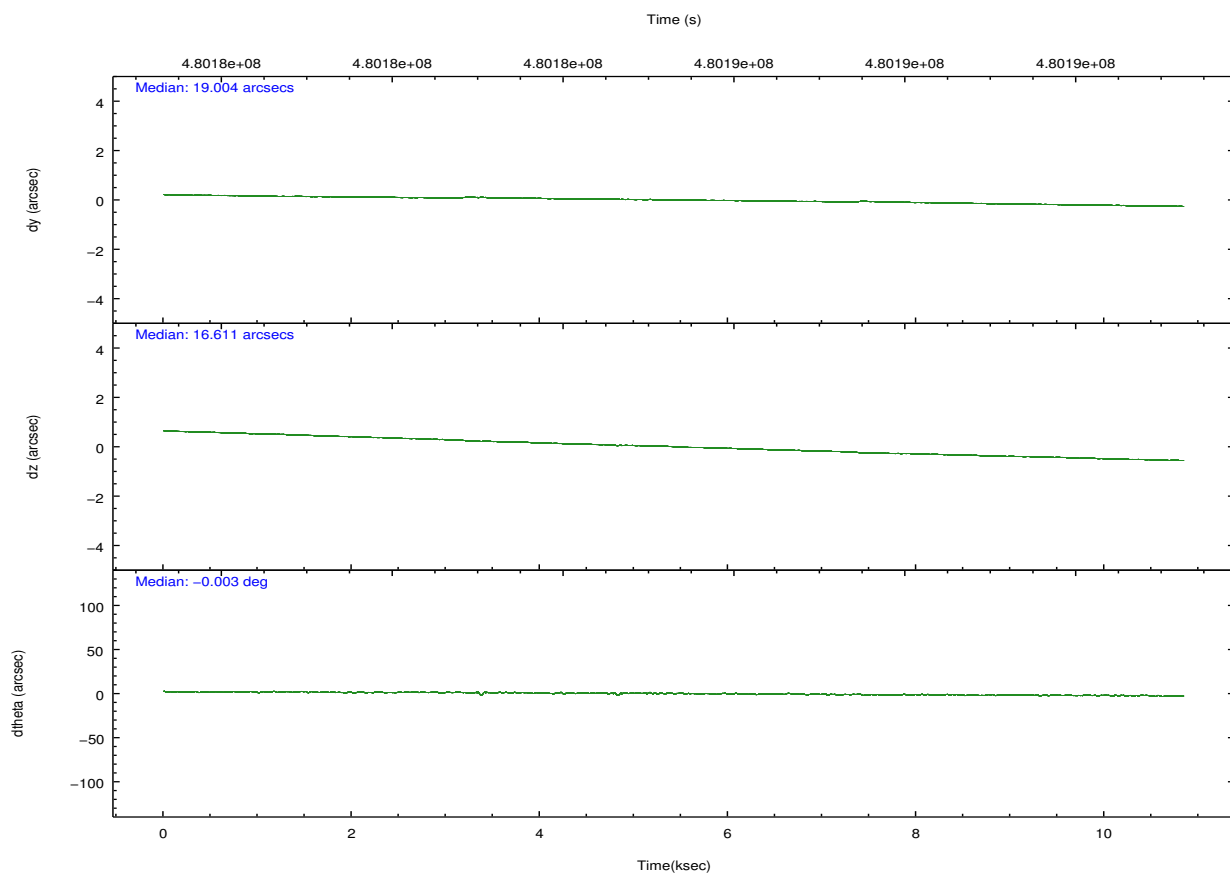
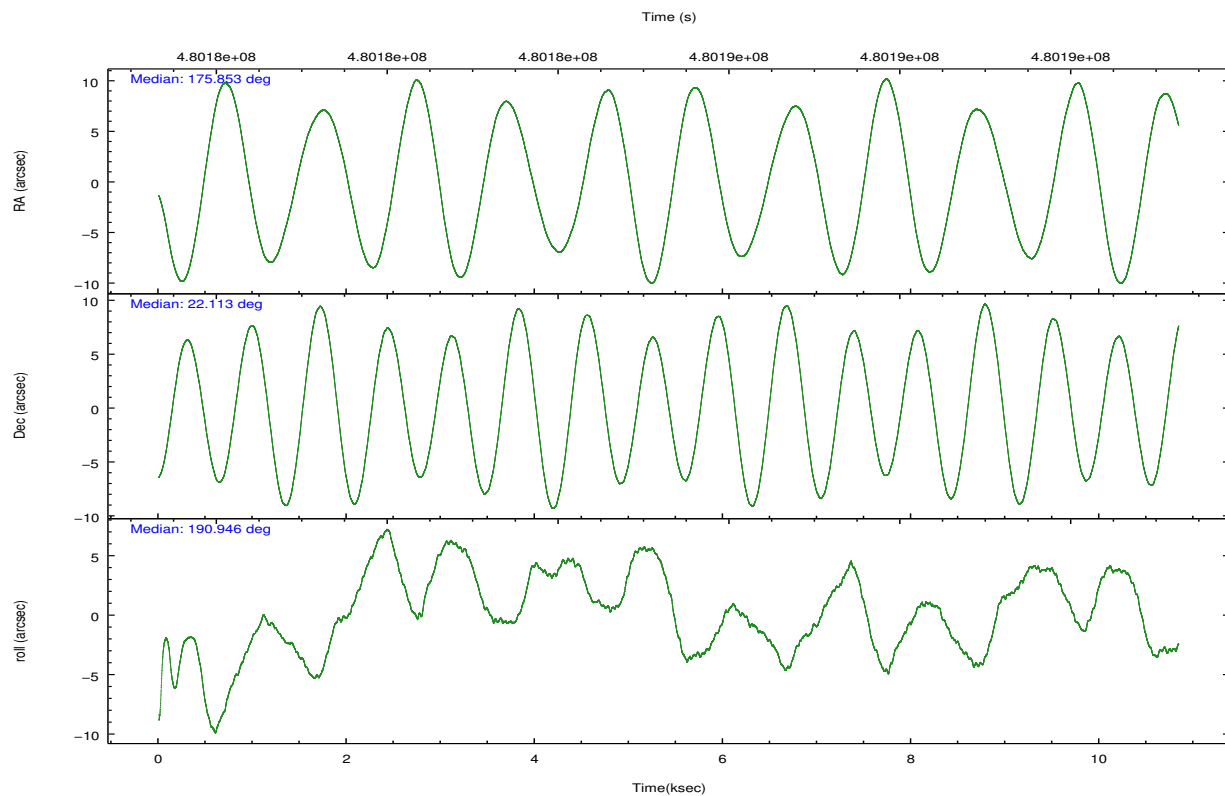
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1814	2131	2699	5540
	3%	4%	4%	8%
grade 1 events	25	32	73	49
	0%	0%	0%	0%
grade 2 events	1208	1314	5975	4368
	2%	2%	8%	6%
grade 3 events	595	605	2565	2039
	1%	1%	3%	2%
grade 4 events	615	630	2500	1970
	1%	1%	3%	2%
grade 5 events	2551	2584	6874	3870
	5%	5%	10%	5%
grade 6 events	1173	1475	15617	4764
	2%	2%	23%	6%
grade 7 events	38636	42215	30626	45769
	82%	82%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	175.875406	175.8533713681127	CCD I2 on	N	N
[deg] Pointing Dec	22.130970	22.11275564340591	CCD I3 on	O1	Y
[deg] Pointing Roll	190.784157	190.9490835968904	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	O3	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	O2	Y
[s] Observation start time (MET)	480180722.184000	480179513.03318	CCD S5 on	N	N
Observation start date	2013-03-20T15:30:55	2013-03-20T15:11:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	480190722.184000	480192217.39637	On-chip summing requested	N	N
Observation end date	2013-03-20T18:17:35	2013-03-20T18:43:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



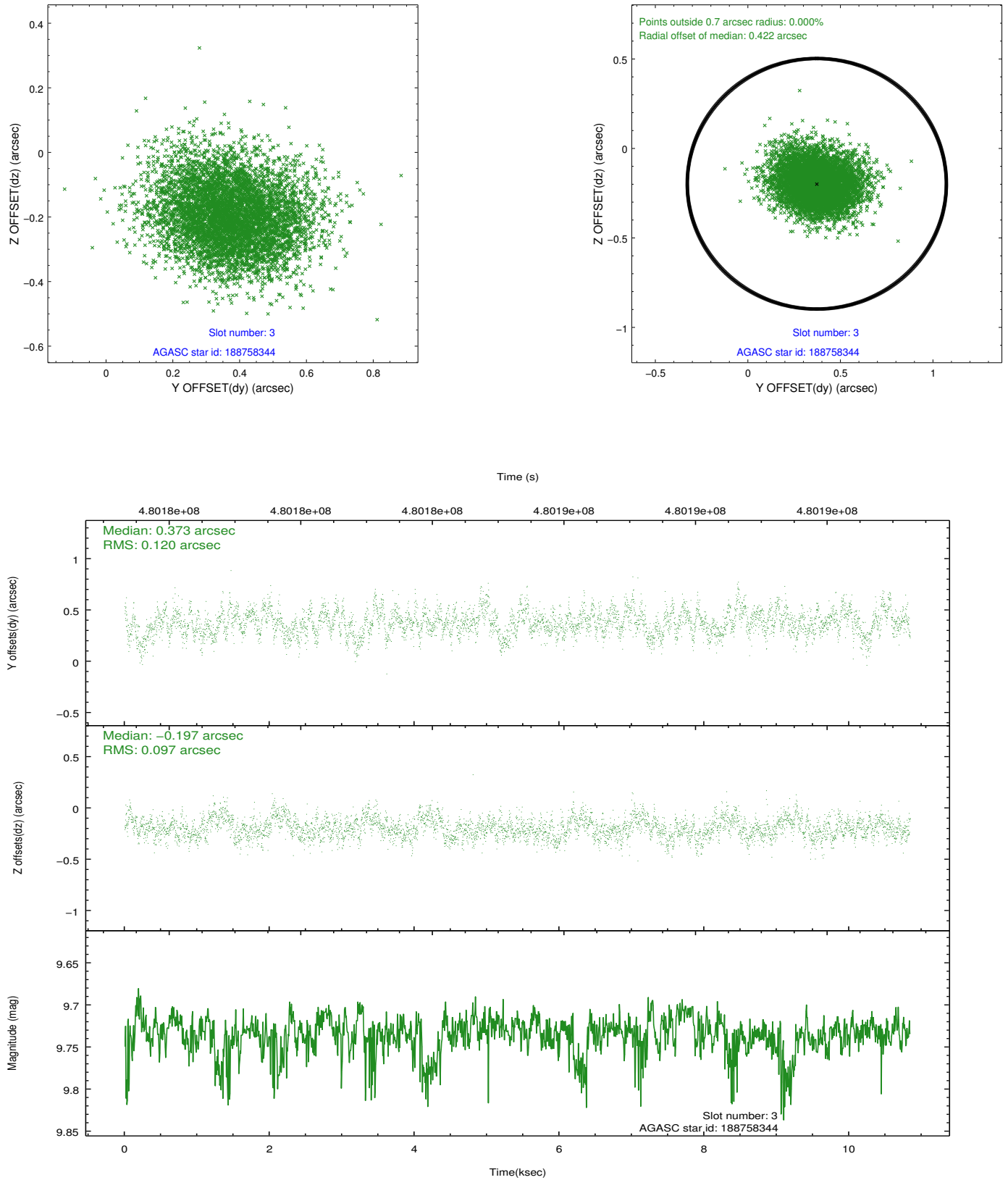


Slot Statistics

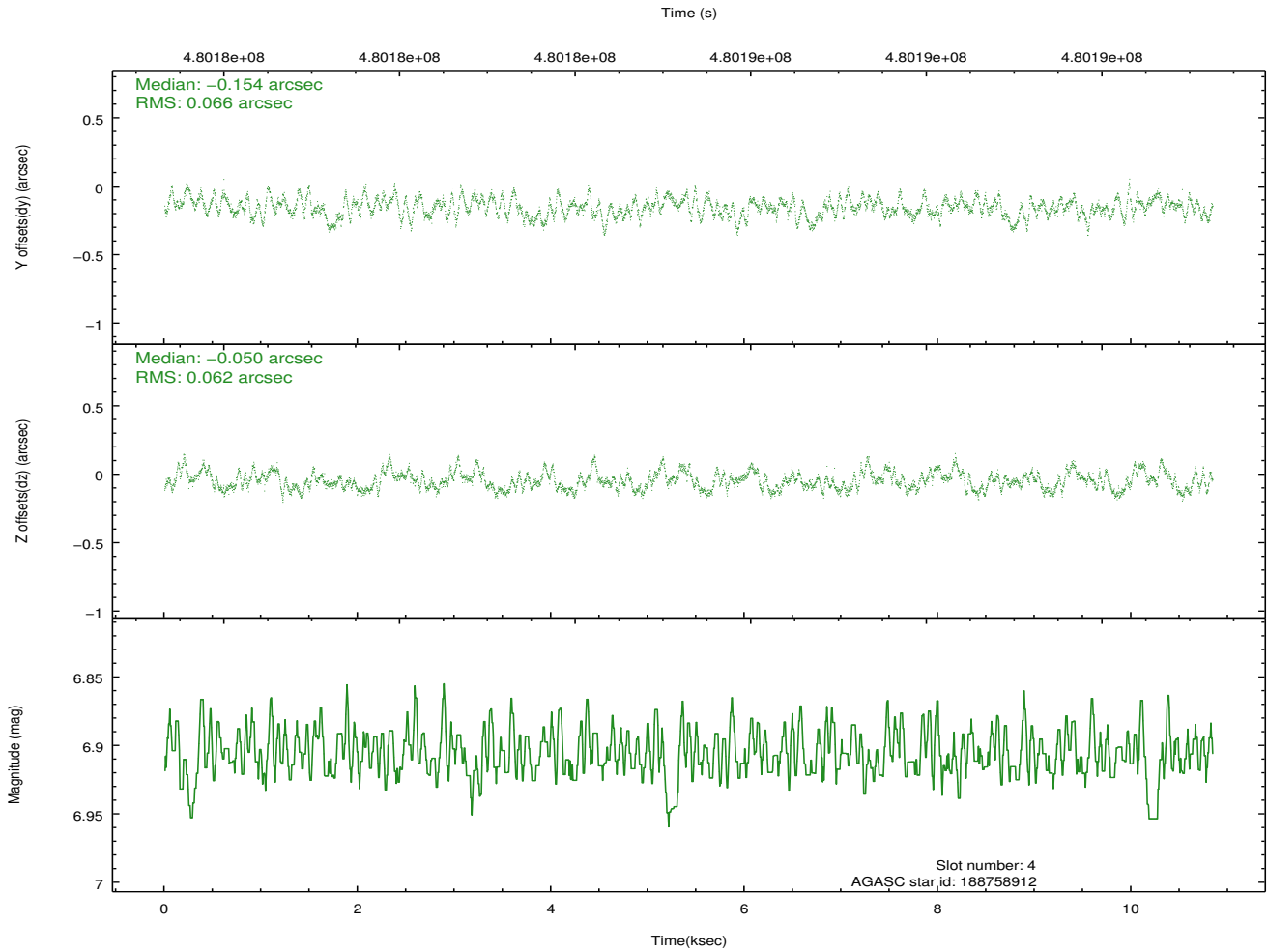
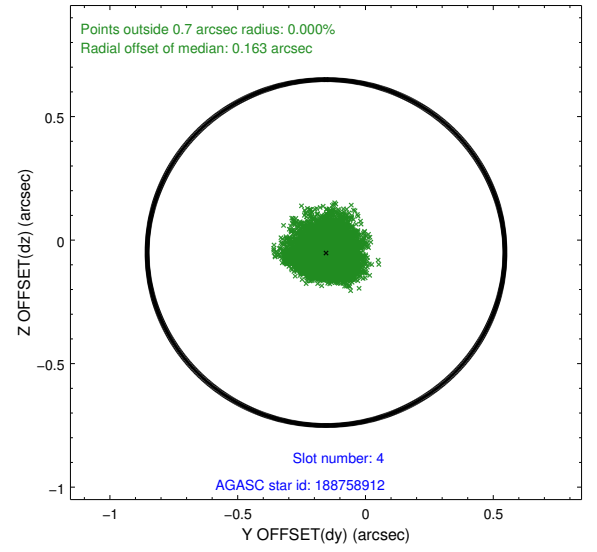
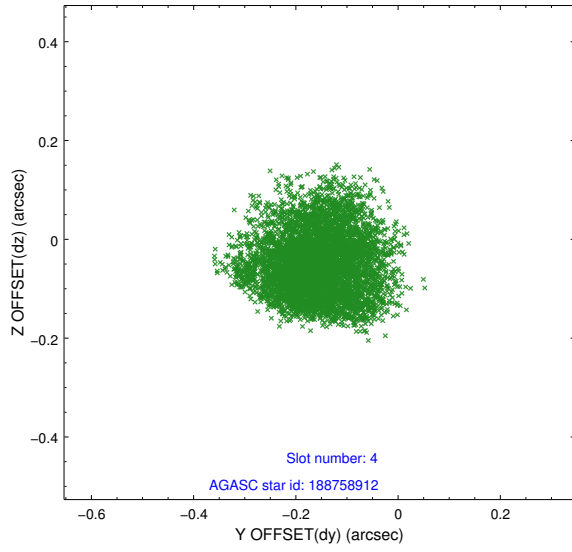
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.93	2644	-0.106	-0.000	0.013	0.022	0.000000	0.000000	-772.20	-1738.04
1	FID		ACIS-S-4	7.01	2644	0.251	0.051	0.009	0.014	0.000000	0.000000	2141.24	169.96
2	FID		ACIS-S-5	7.04	2644	-0.176	-0.043	0.012	0.019	0.000000	0.000000	-1824.48	164.14
3	GUIDE	used	188758344	9.73	5285	0.373	-0.197	0.164	0.269	175.159675	22.371447	2178.45	-1301.70
4	GUIDE	used	188758912	6.91	5289	-0.154	-0.050	0.099	0.153	175.521619	22.211055	1106.21	-504.75
5	GUIDE	used	188758928	9.49	5265	-0.152	0.071	0.118	0.187	175.512671	21.671420	1501.81	1396.97
6	GUIDE	used	188759320	9.40	5262	-0.053	0.048	0.139	0.220	175.762842	22.406429	183.26	-1043.65
7	GUIDE	used	260187808	9.44	5274	-0.004	0.133	0.125	0.197	176.260061	22.510120	-1511.80	-1102.96

2.4 Star Slots

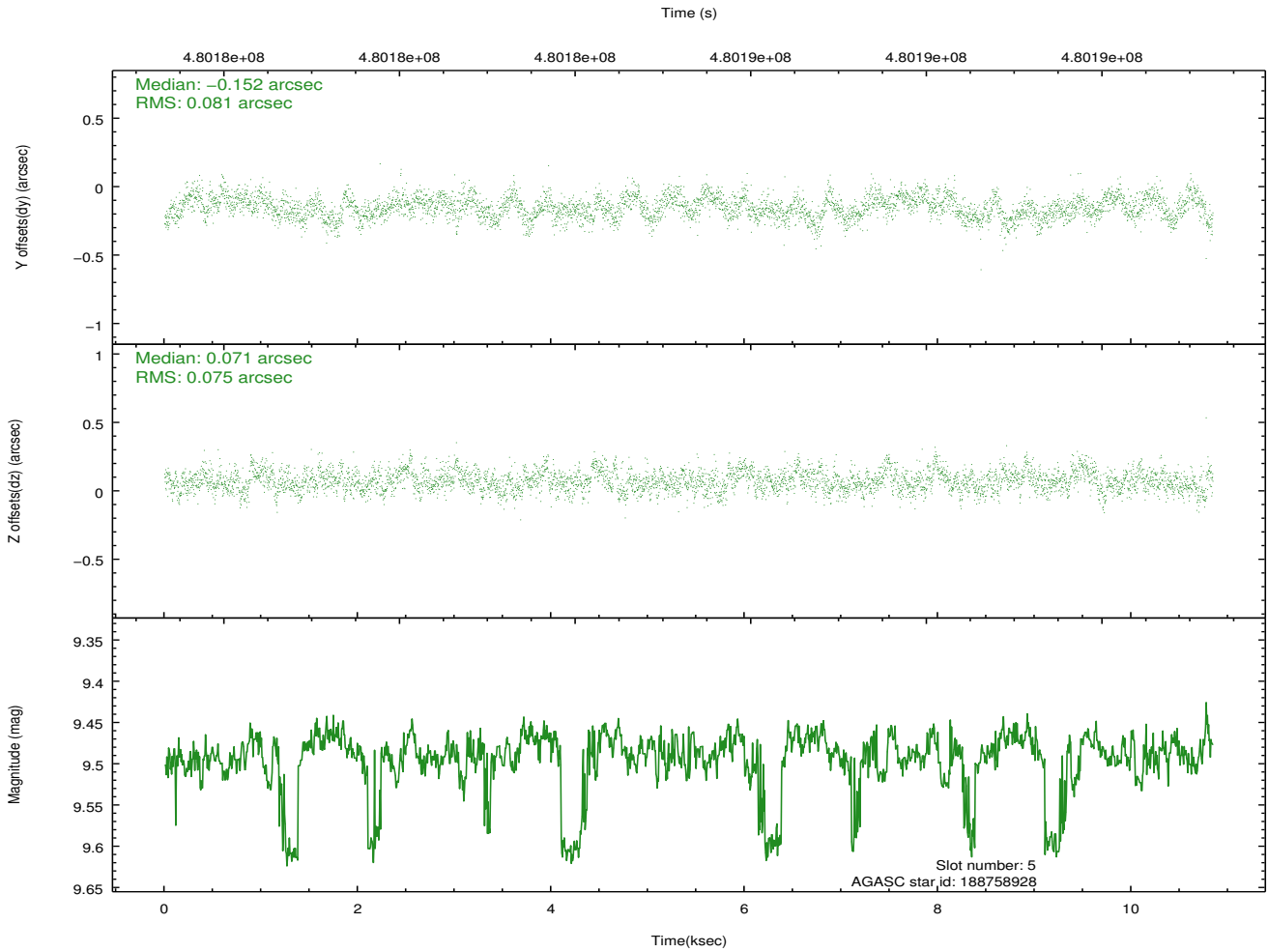
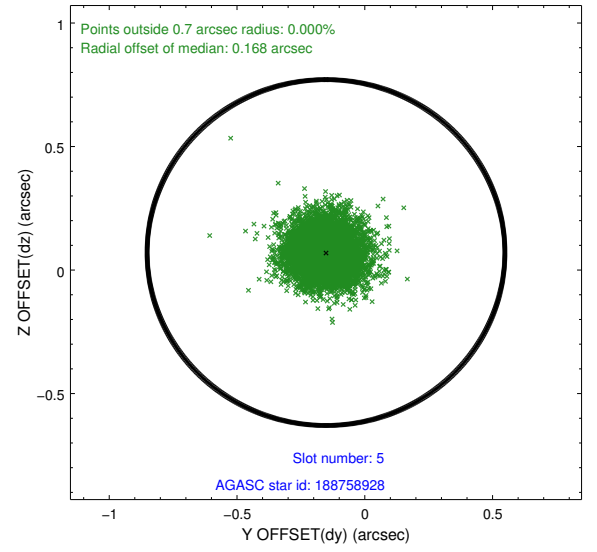
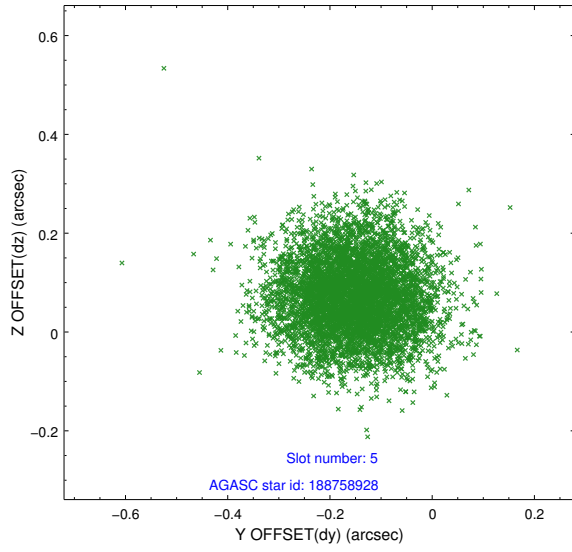
2.4.1 Slot 3



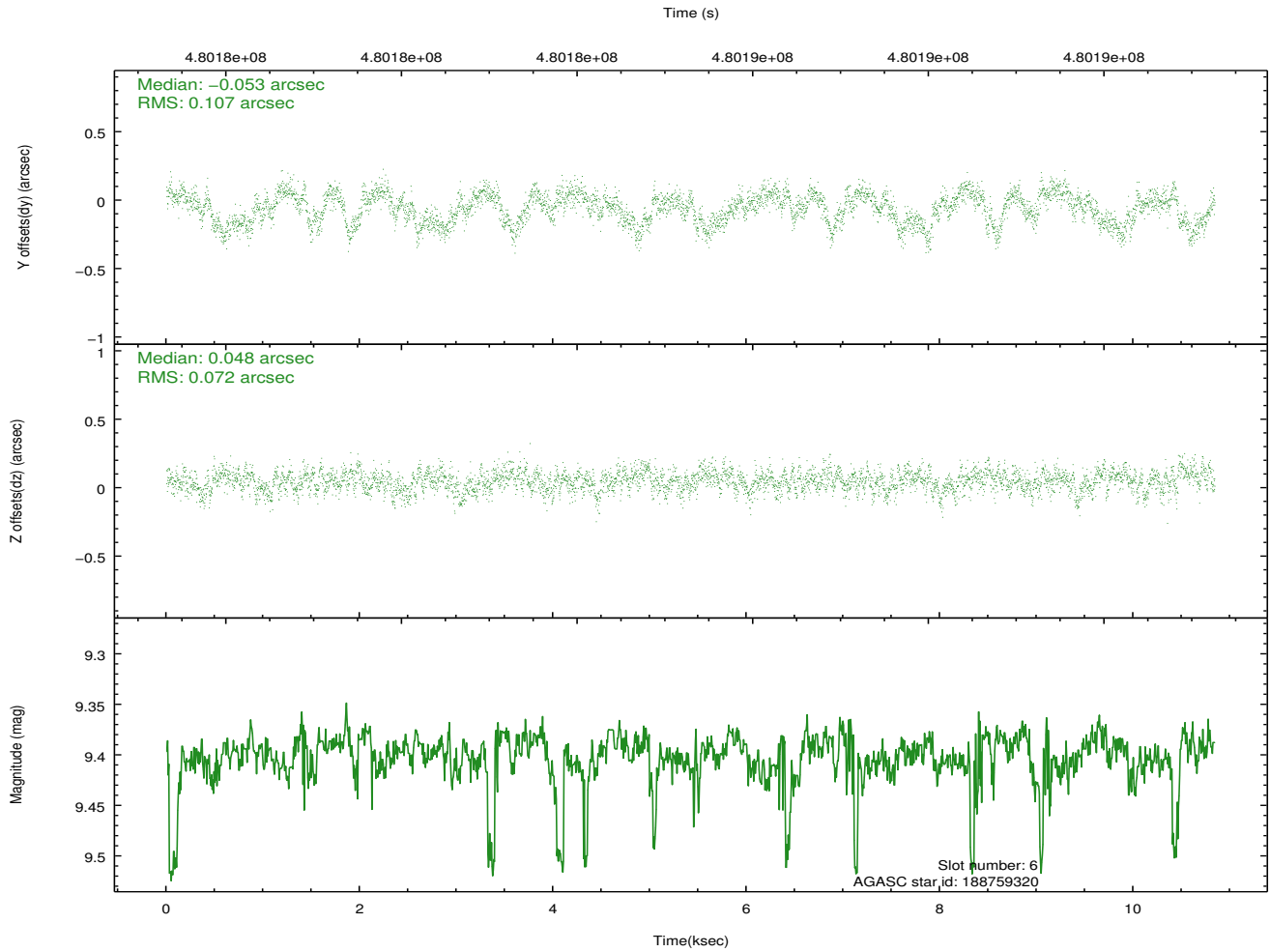
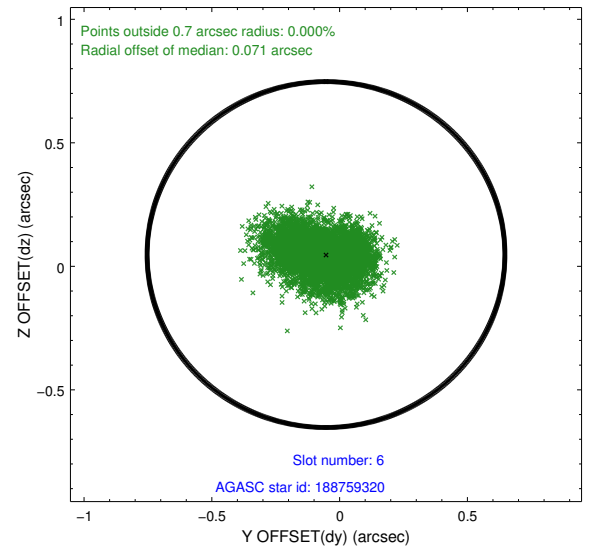
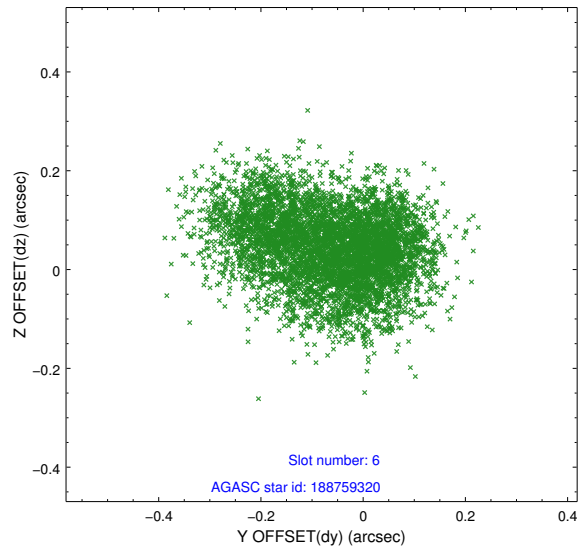
2.4.2 Slot 4



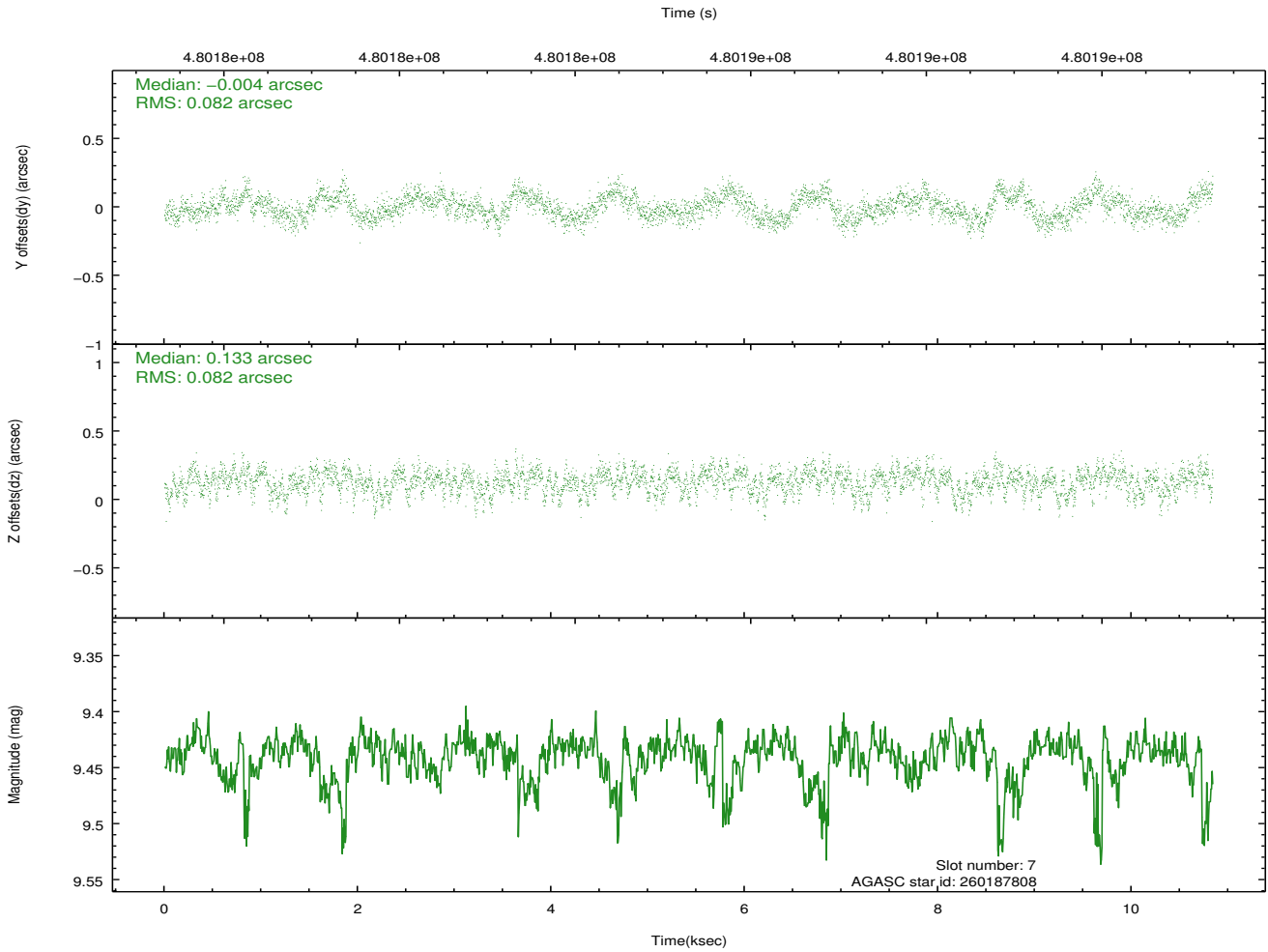
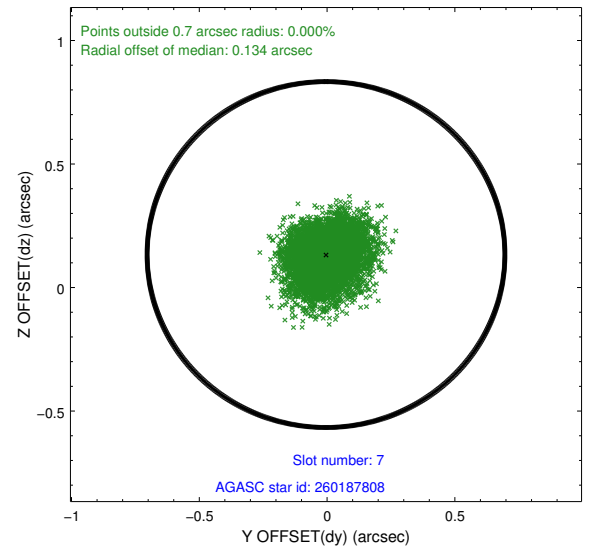
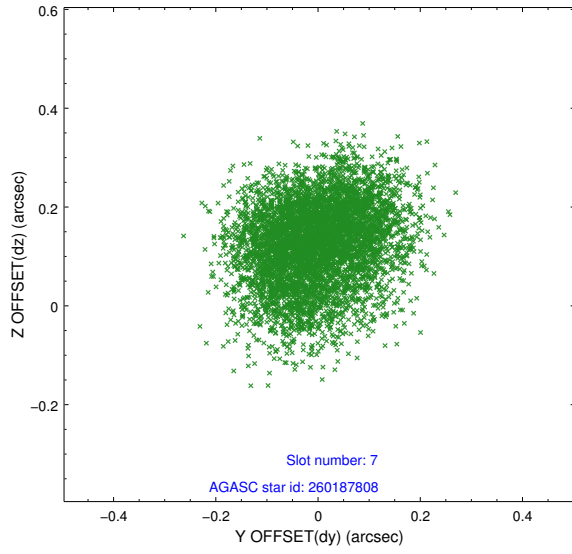
2.4.3 Slot 5



2.4.4 Slot 6

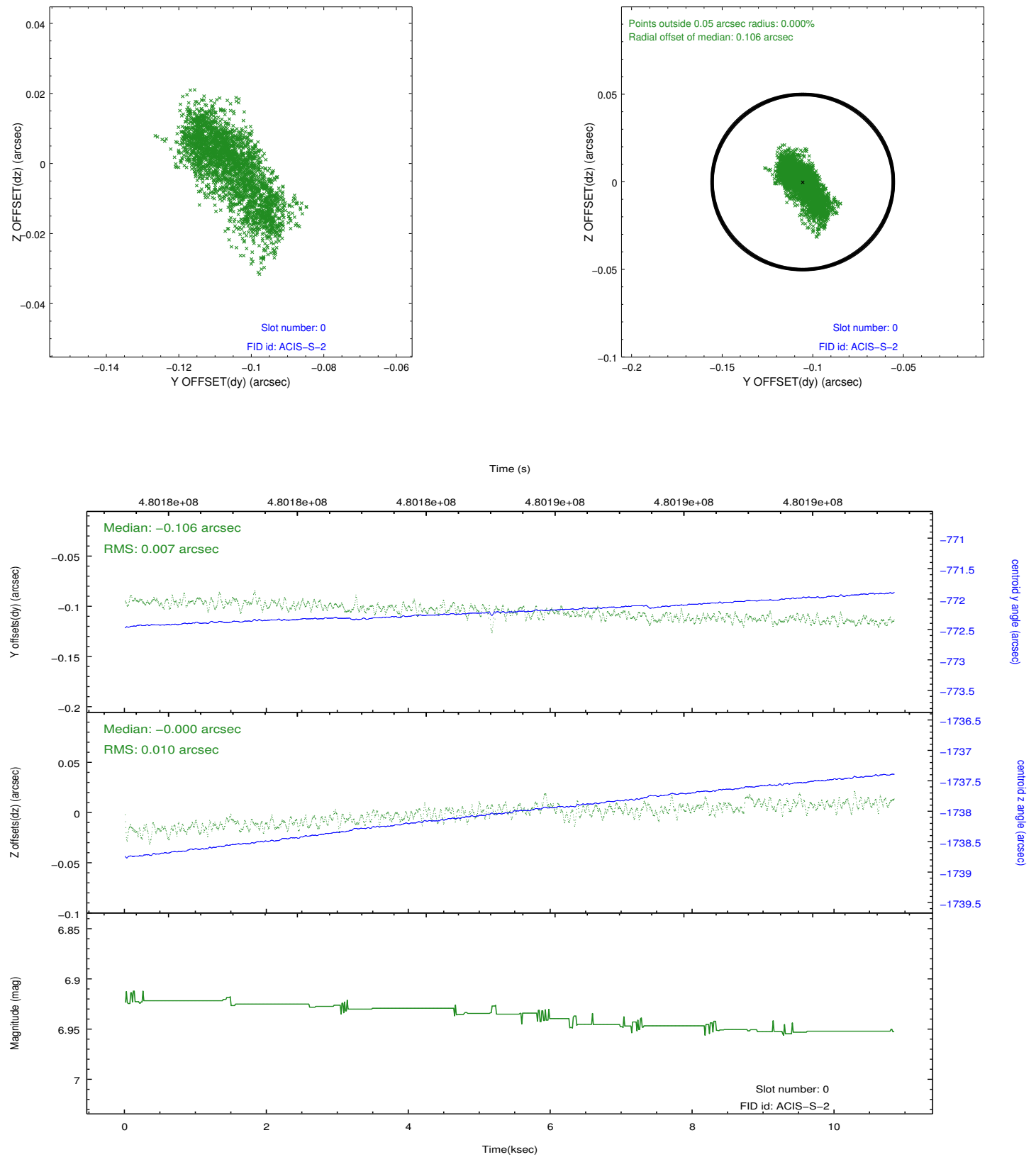


2.4.5 Slot 7

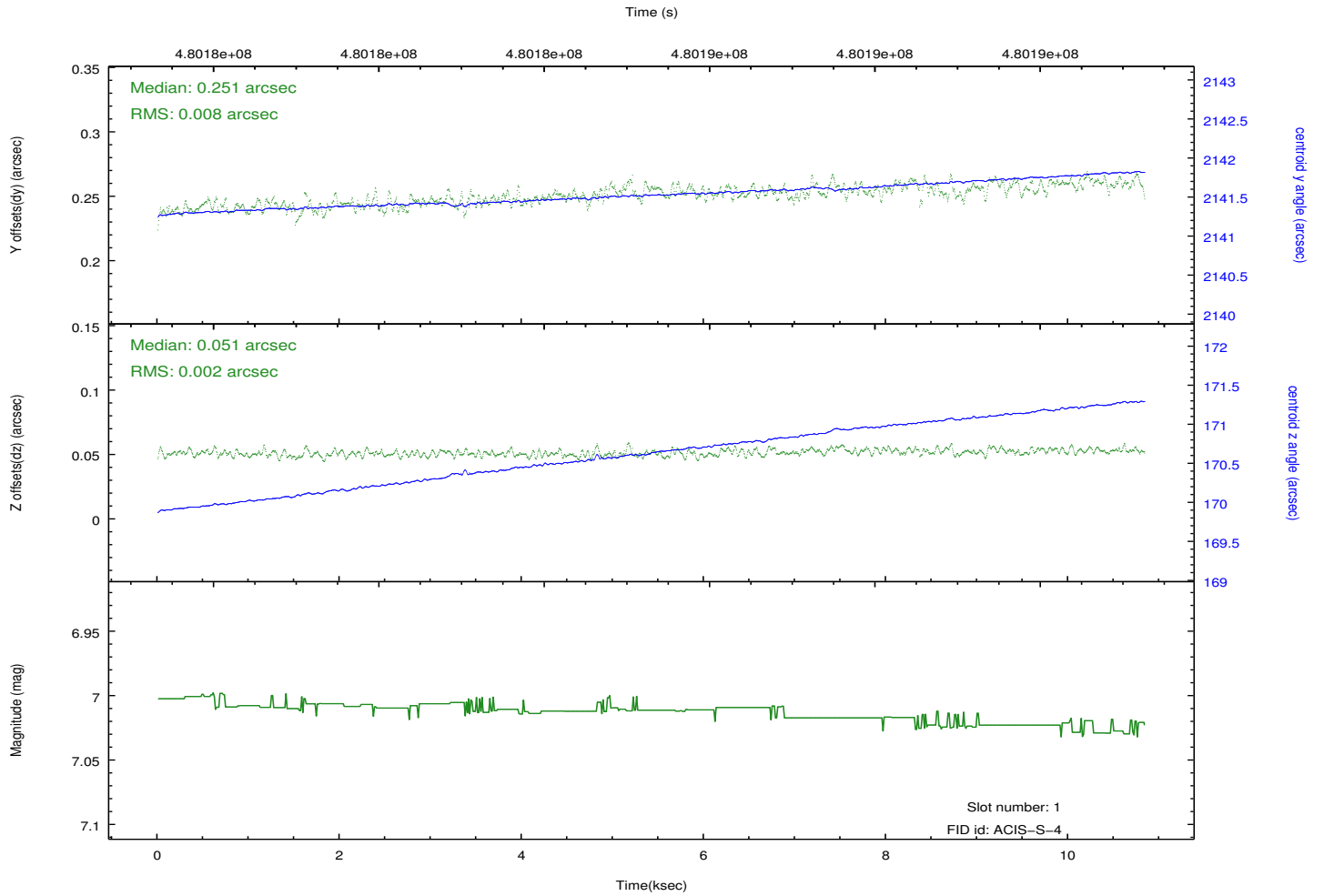
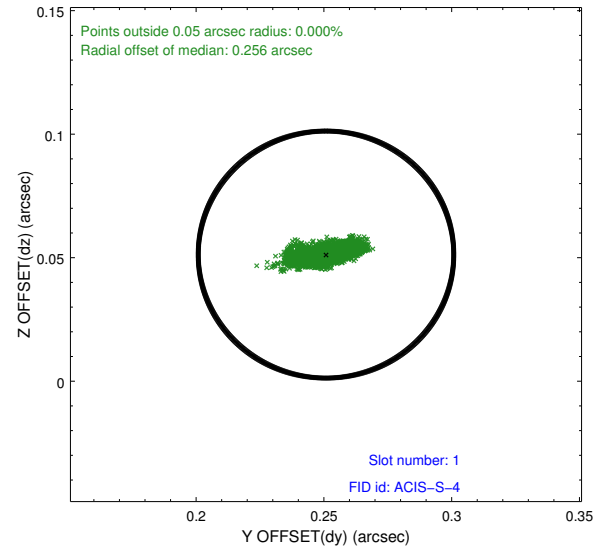
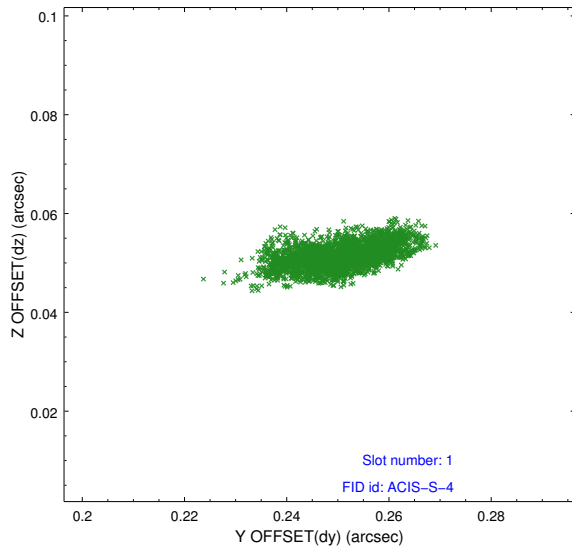


2.5 FID Slots

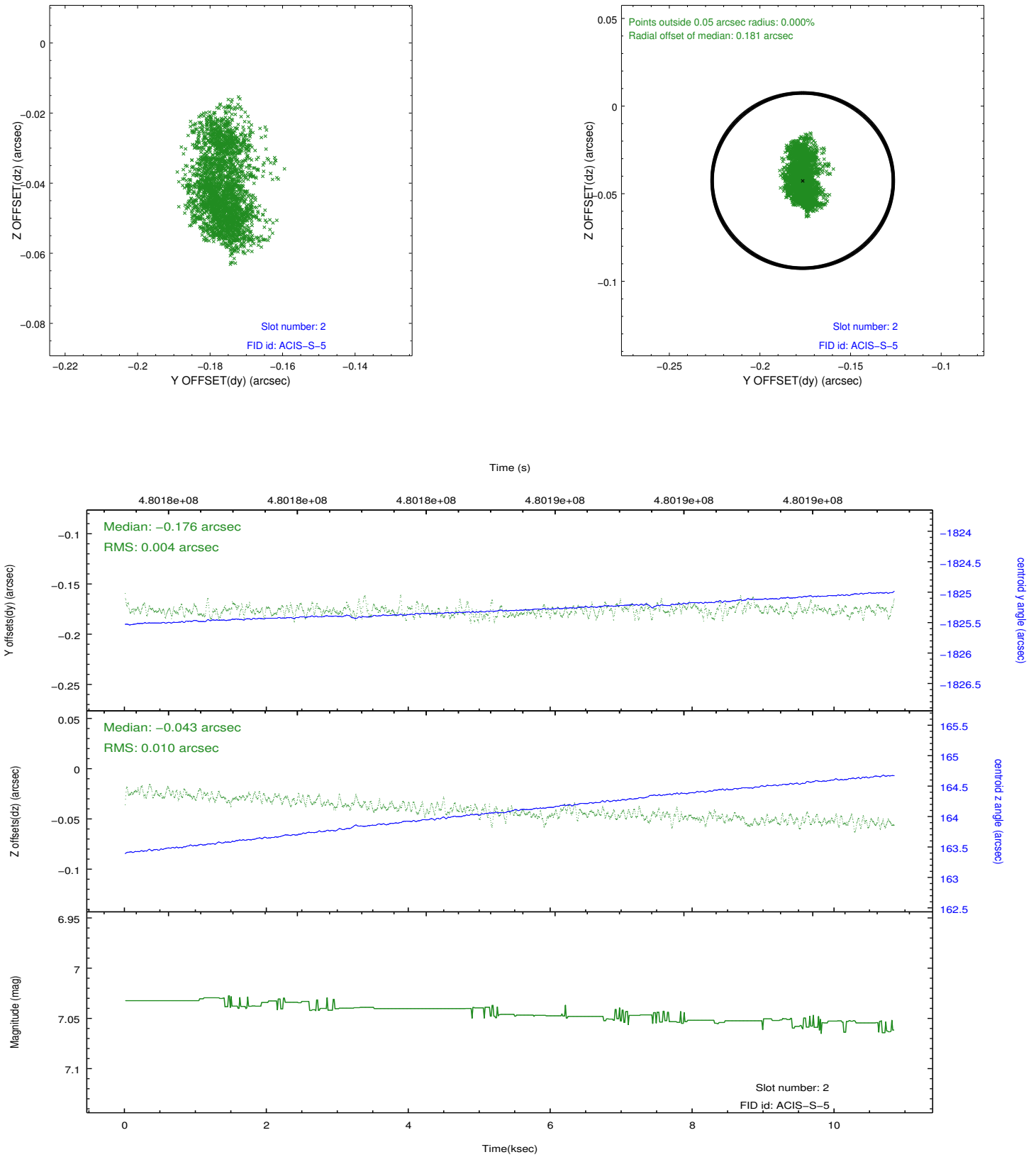
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.075000077486

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.