

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11578 - L2 Version 2
Chandra X-Ray Center

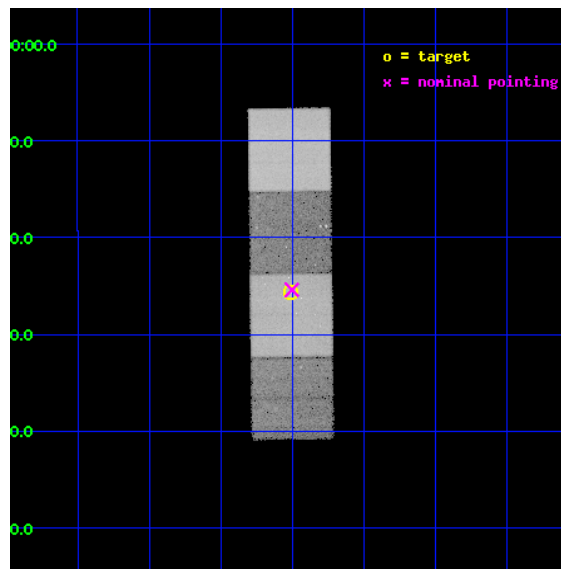
L2 Processing Date : Jun 13 2012

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1 Front

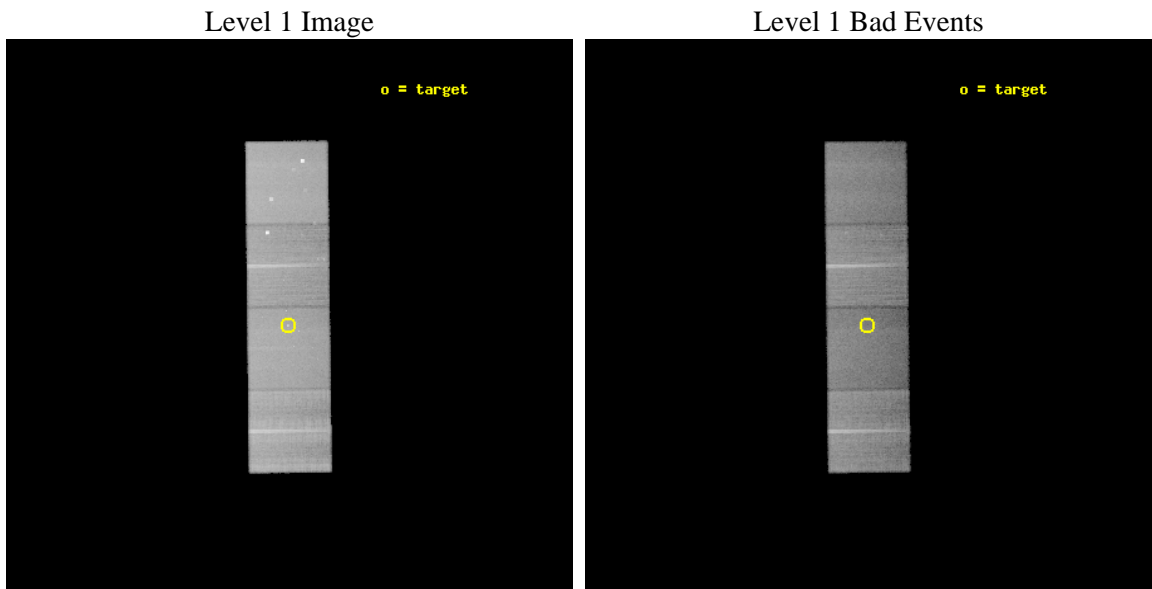
seq_num	702164	Sequence number
obs_id	11578	Observation id
title	NGC1266: Local Candidate for AGN Feedback	Proposal title
observer	Dr. Leo Blitz	Principal investigator
object	NGC1266	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.003333	Observer's specified target RA [deg]
dec_targ	-2.427361	Observer's specified target Dec [deg]
ra_nom	49.000845089285	Nominal RA [deg]
dec_nom	-2.423225933135	Nominal Dec [deg]
roll_nom	89.320867612053	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30041.655443728	Sum of GTIs [s]
livetime	29649.139099011	Livetime [s]
ontime5	30041.614403725	Sum of GTIs [s]
ontime6	30038.432363451	Sum of GTIs [s]
ontime7	30041.655443728	Sum of GTIs [s]
ontime8	30041.532323718	Sum of GTIs [s]
l2events	358205	Number of level 2 events



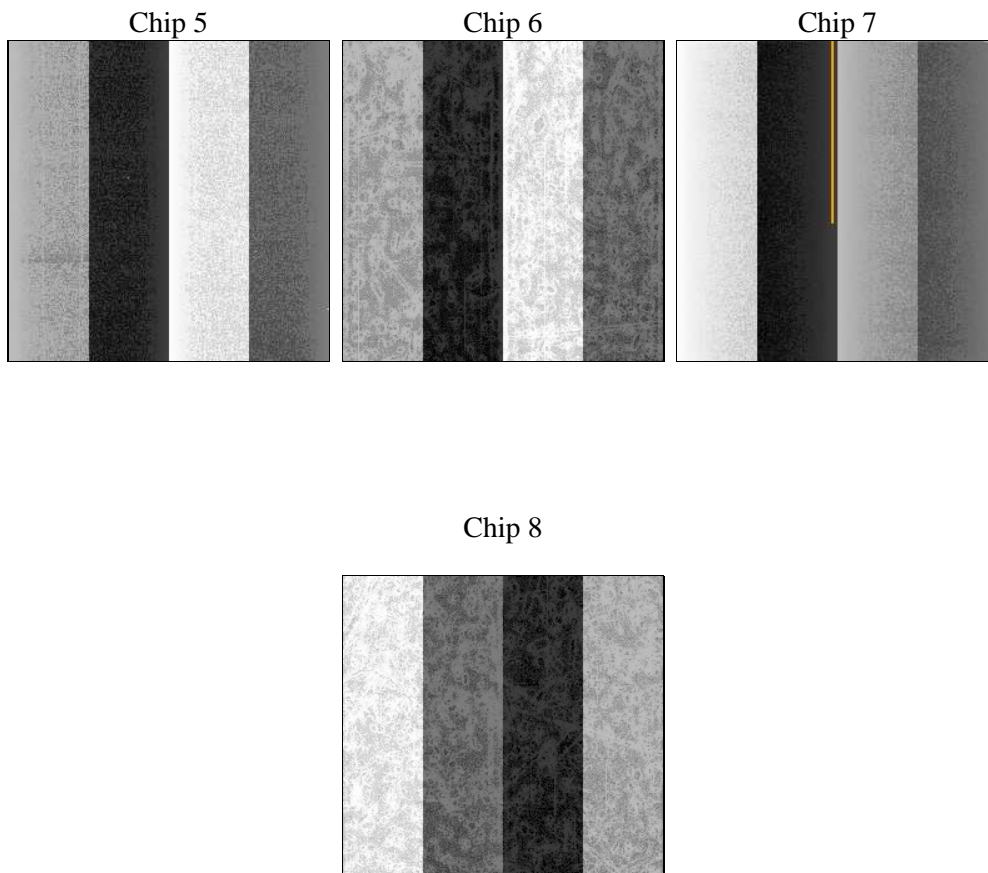
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.460000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30041.655443728	Sum of GTIs [s]
caldsver	4.4.10	 	ontime5	30041.614403725	Sum of GTIs [s]
date	2012-06-13T20:35:42	Date and time of file creation	ontime6	30038.432363451	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	30041.655443728	Sum of GTIs [s]
			ontime8	30041.532323718	Sum of GTIs [s]
			l1events	1281347	Number of level 1 events

2.1.4 Events

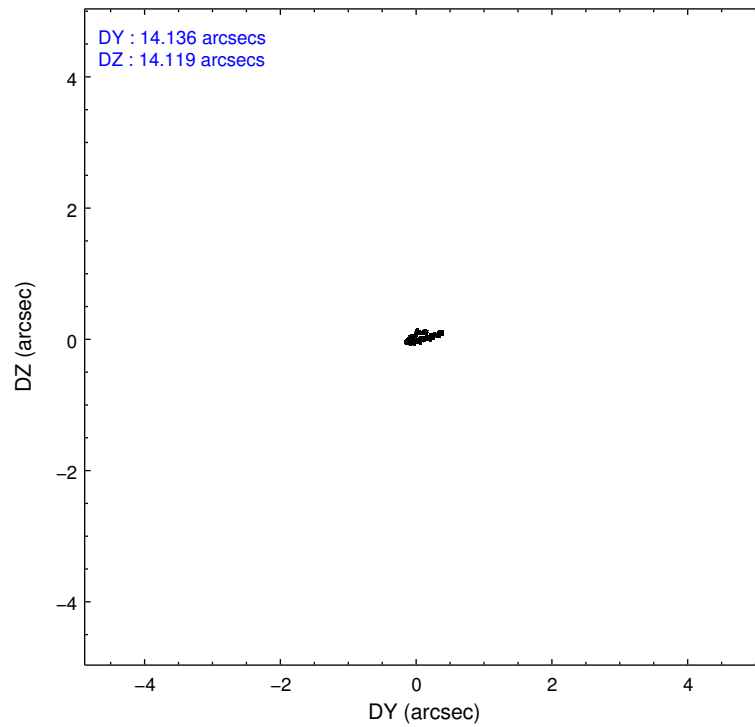
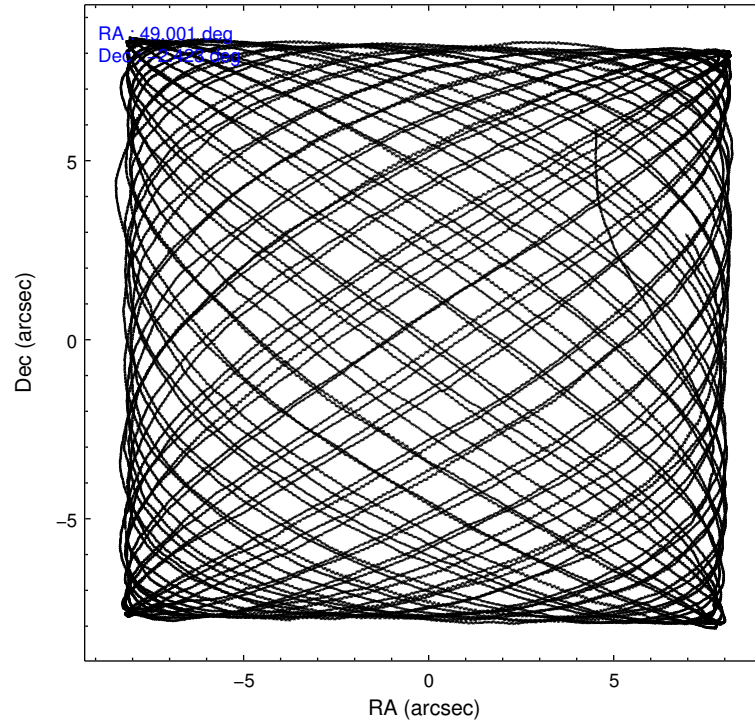
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	374916	275427	300241	330763
rejected events	186515	240459	162807	247769
rejected %	49%	87%	54%	74%

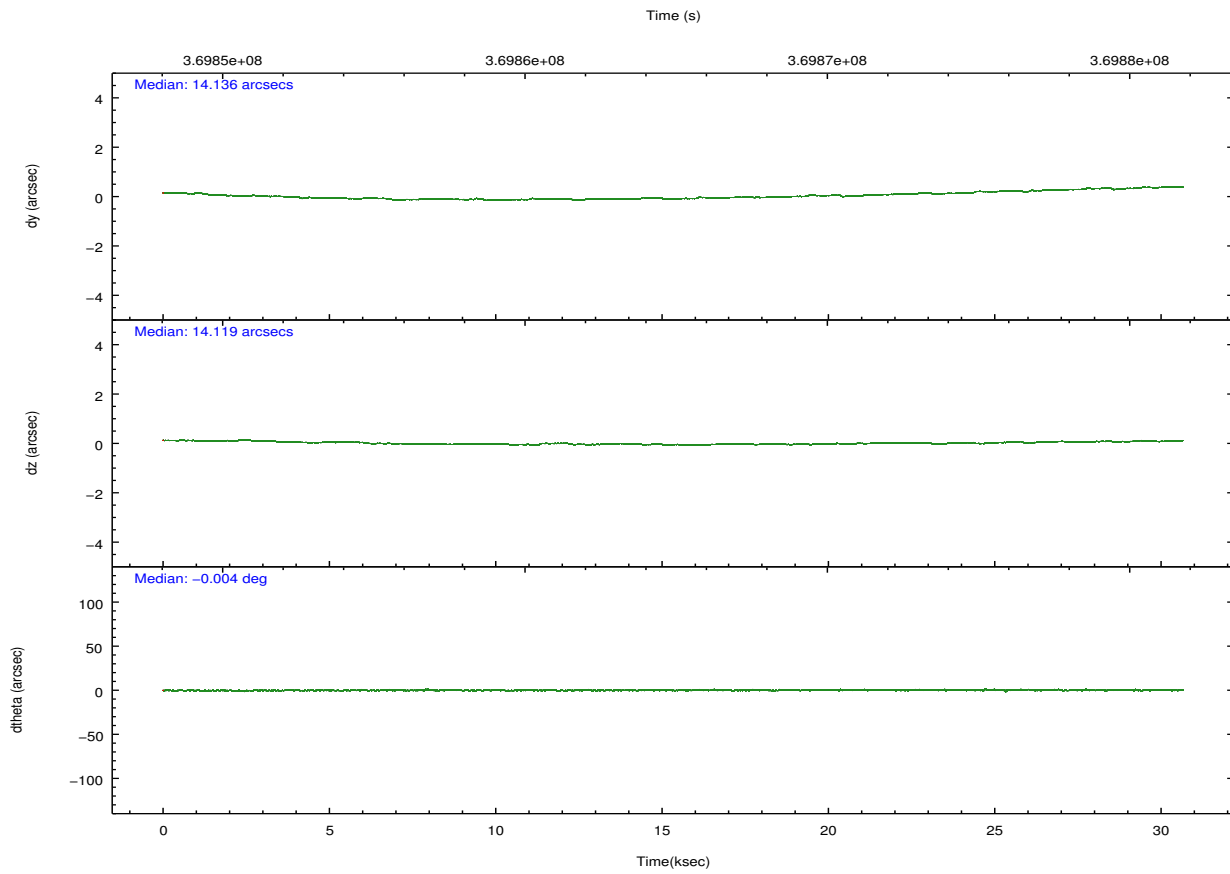
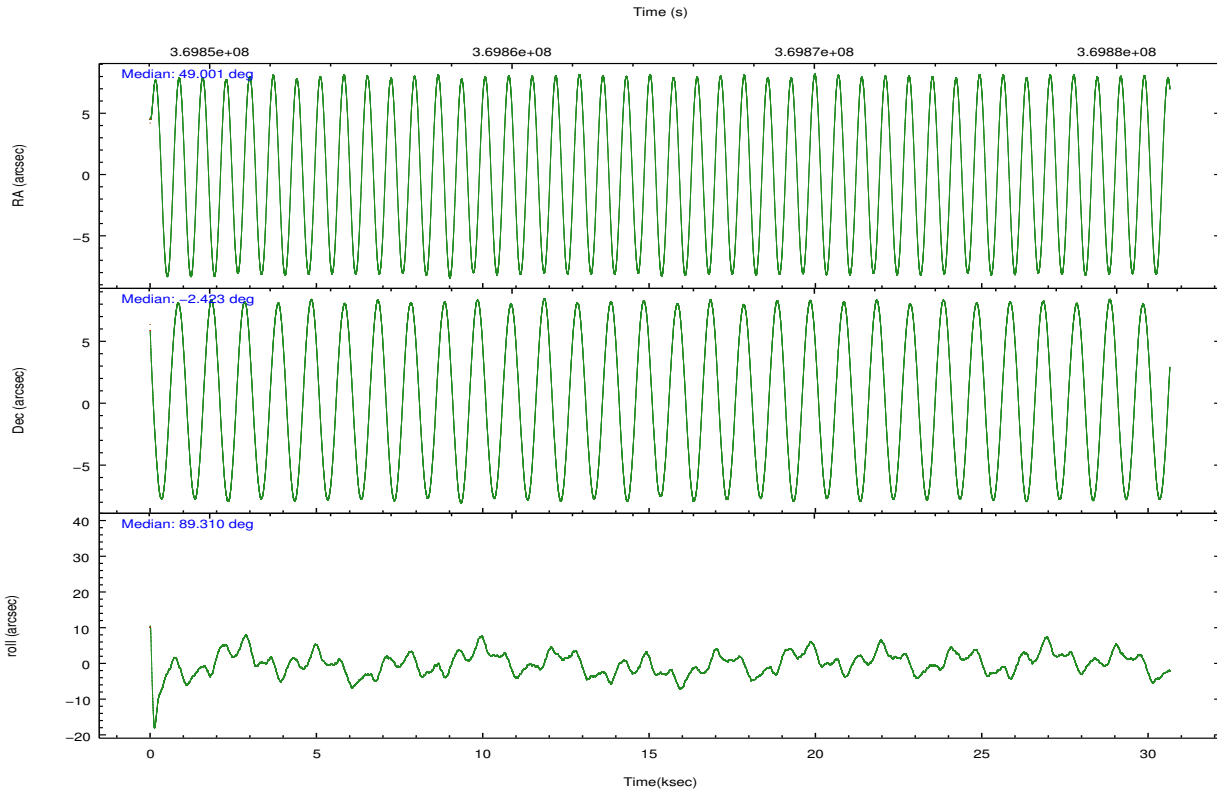
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	18482	16658	13095	24838
	4%	6%	4%	7%
grade 1 events	723	199	397	283
	0%	0%	0%	0%
grade 2 events	59206	6190	28397	19036
	15%	2%	9%	5%
grade 3 events	7154	2996	12354	8905
	1%	1%	4%	2%
grade 4 events	7094	2959	12295	8188
	1%	1%	4%	2%
grade 5 events	28462	10739	31450	15624
	7%	3%	10%	4%
grade 6 events	96505	6177	71320	22034
	25%	2%	23%	6%
grade 7 events	157290	229509	130933	231855
	41%	83%	43%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	49.014558	49.00084508928529	CCD I2 on	N	N
[deg] Pointing Dec	-2.446858	-2.423225933135027	CCD I3 on	N	N
[deg] Pointing Roll	89.164814	89.32086761205255	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	O1	Y
[s] Observation start time (MET)	369850224.184000	369849123.89106	CCD S5 on	N	N
Observation start date	2009-09-20T16:09:18	2009-09-20T15:52:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	369880225.184000	369880443.28014	On-chip summing requested	N	N
Observation end date	2009-09-21T00:29:19	2009-09-21T00:34:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



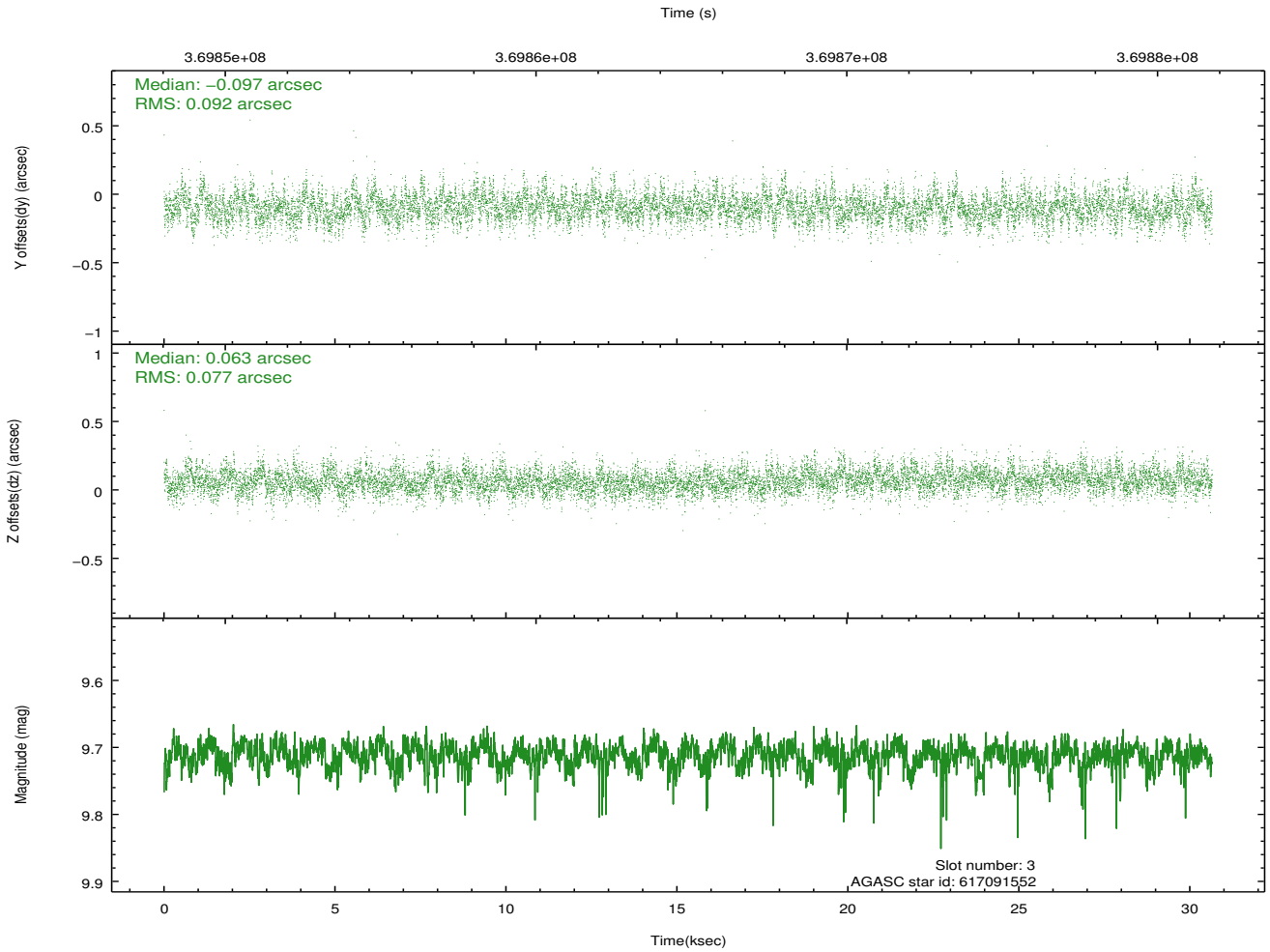
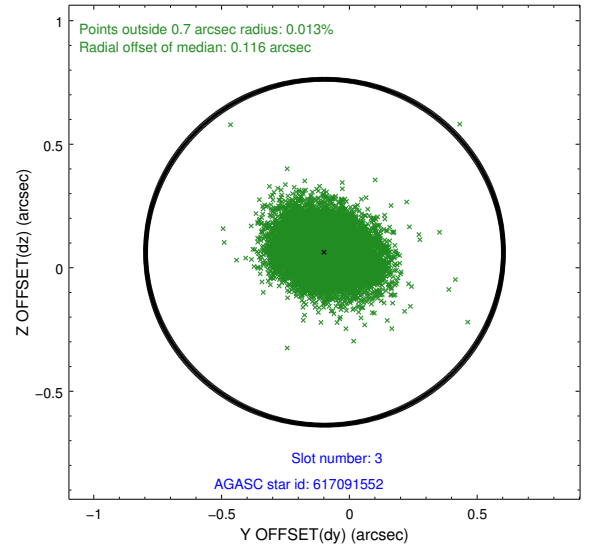
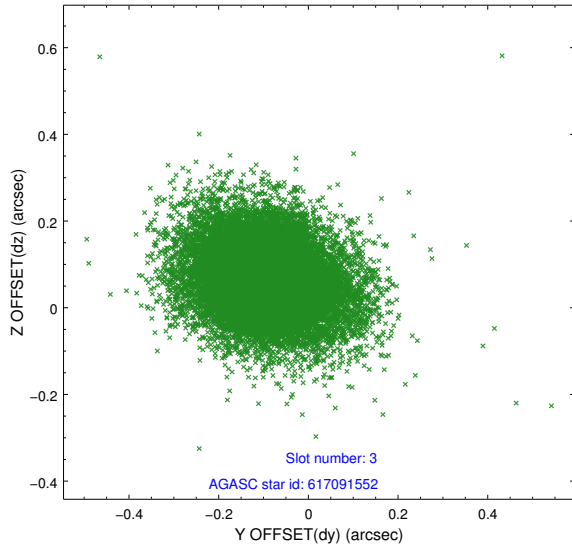


Slot Statistics

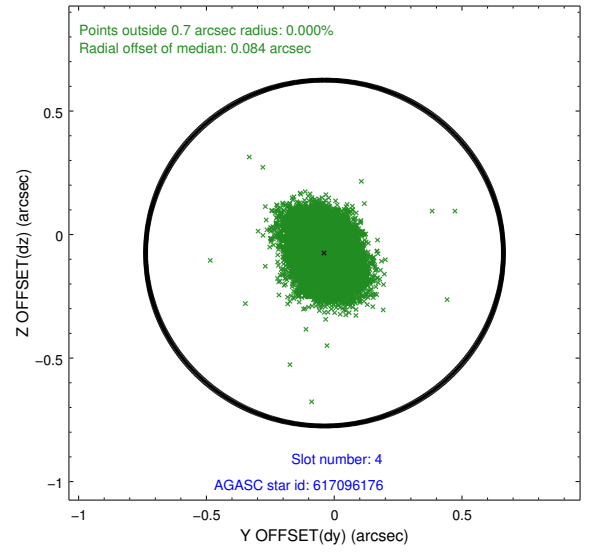
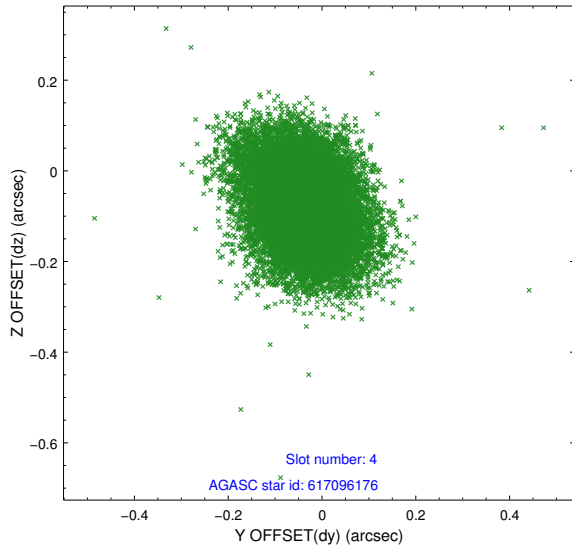
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	7475	-0.066	-0.057	0.010	0.016	0.000000	0.000000	-767.19	-1735.44
1	FID	ACIS-S-4	7.04	7477	0.211	0.048	0.009	0.016	0.000000	0.000000	2146.33	173.08
2	FID	ACIS-S-5	7.07	7477	-0.173	0.018	0.011	0.021	0.000000	0.000000	-1820.05	166.79
3	GUIDE	617091552	9.71	14927	-0.097	0.063	0.126	0.212	49.454589	-1.852634	2162.31	-1551.58
4	GUIDE	617096176	9.36	14914	-0.038	-0.075	0.113	0.182	48.647481	-2.217363	806.88	1332.51
5	GUIDE	617096928	8.88	14939	-0.038	-0.129	0.083	0.133	48.854262	-2.175287	969.29	590.84
6	GUIDE	617480928	8.81	14941	-0.028	-0.050	0.081	0.134	48.563999	-2.660106	-791.45	1608.88
7	GUIDE	617480952	9.30	14940	0.196	0.187	0.103	0.163	49.196103	-2.583964	-483.50	-659.83

2.4 Star Slots

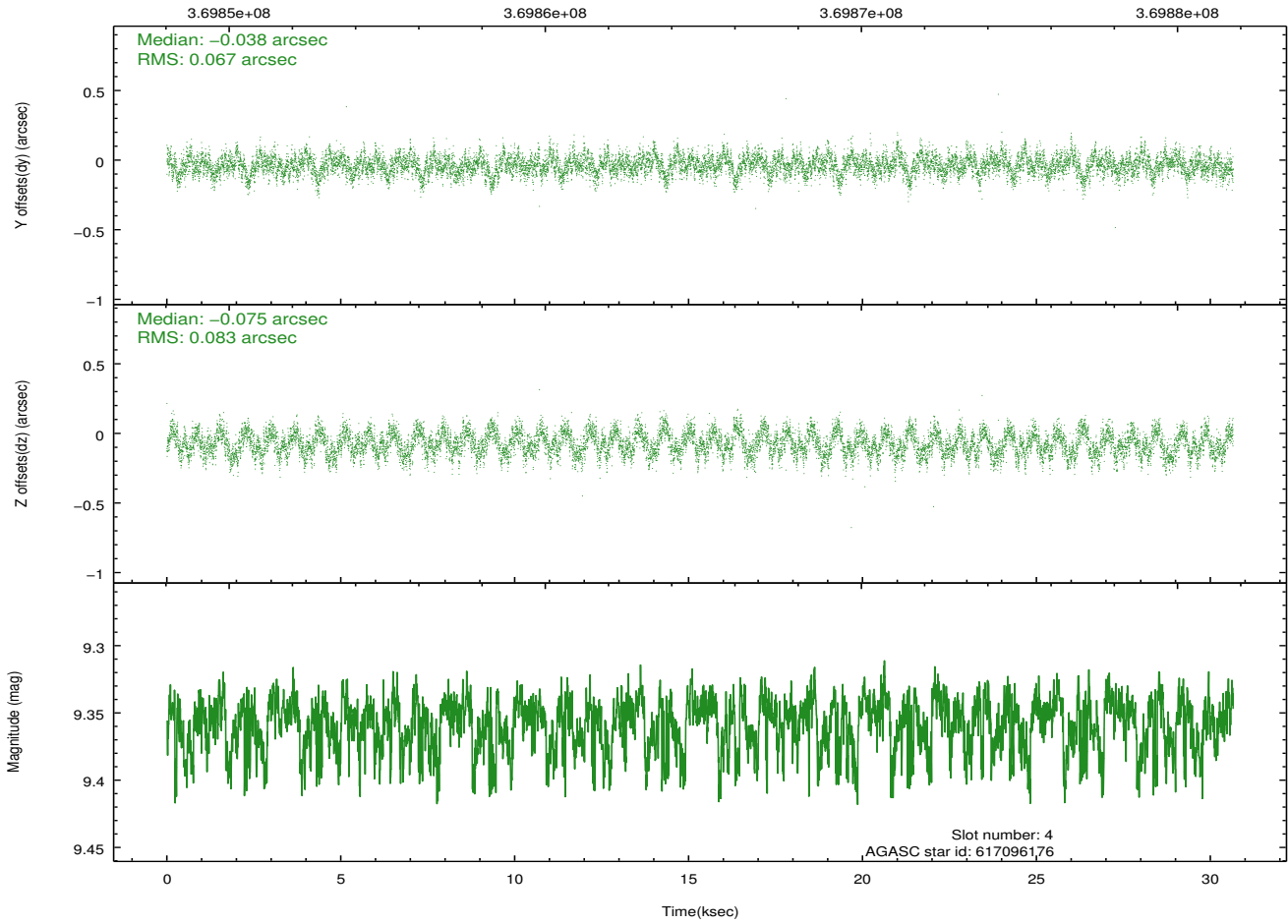
2.4.1 Slot 3



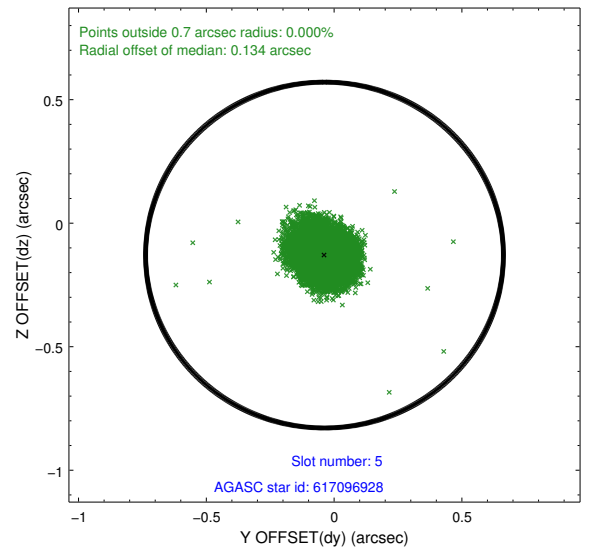
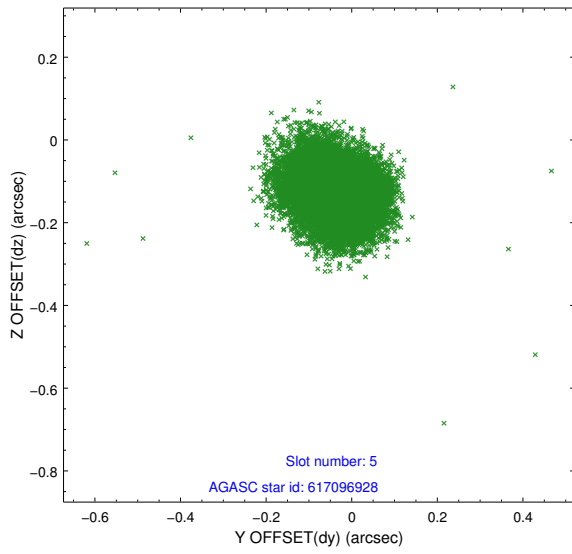
2.4.2 Slot 4



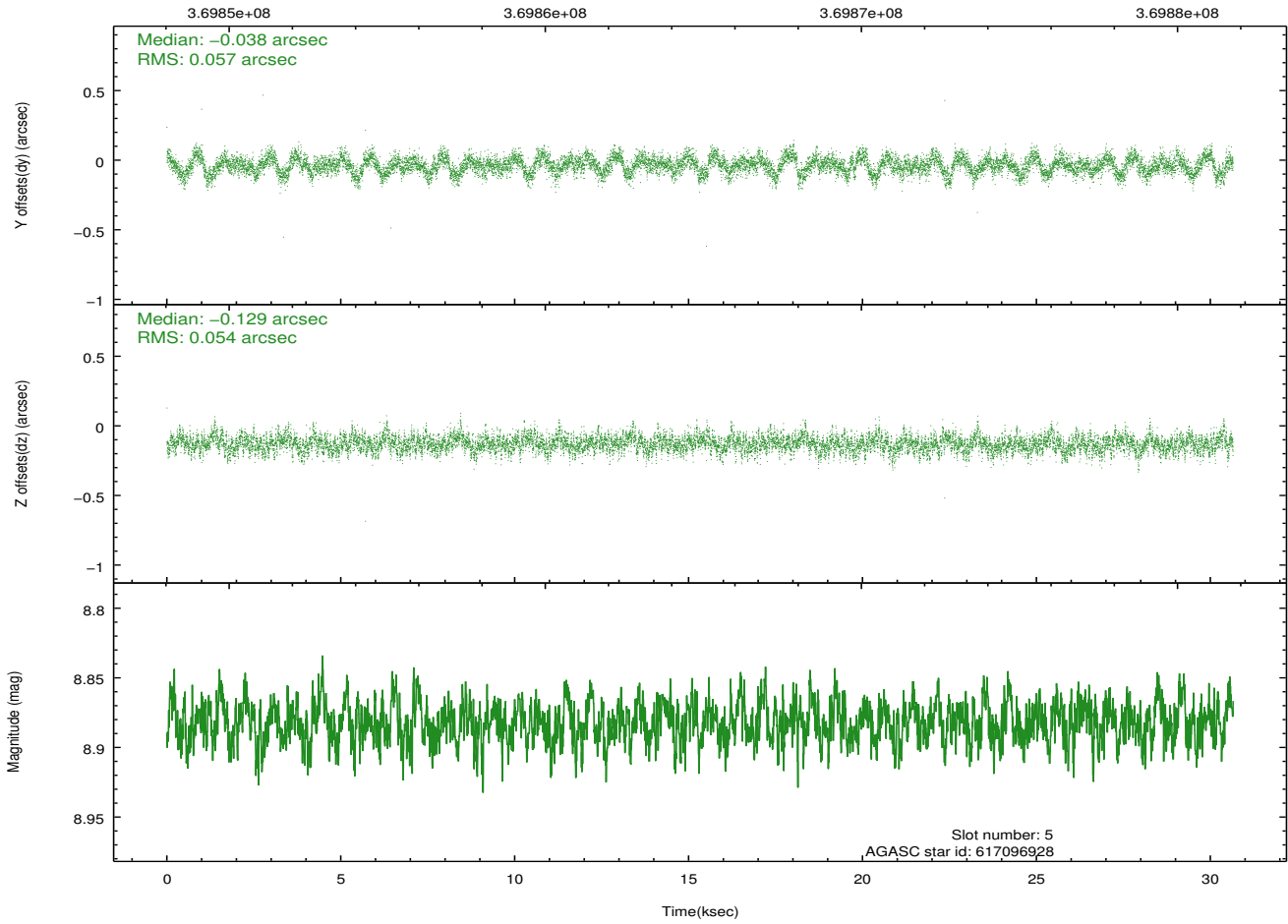
Time (s)



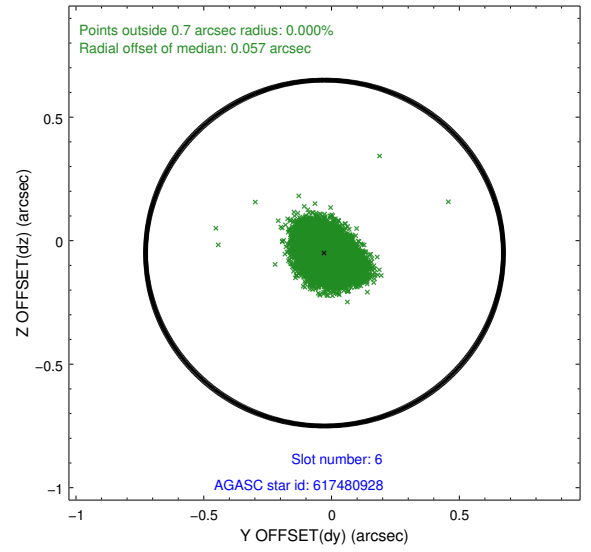
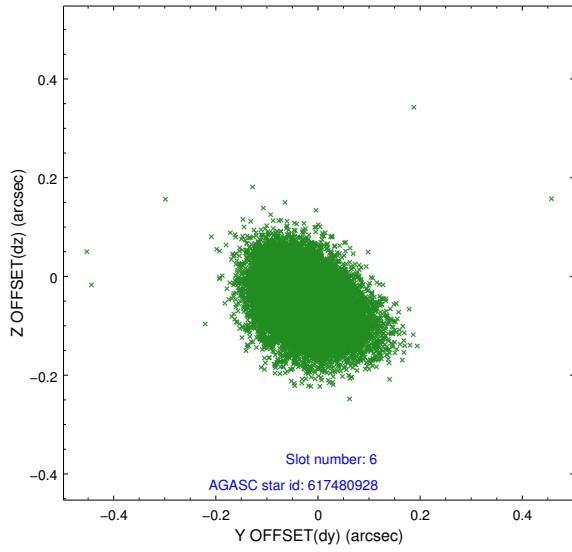
2.4.3 Slot 5



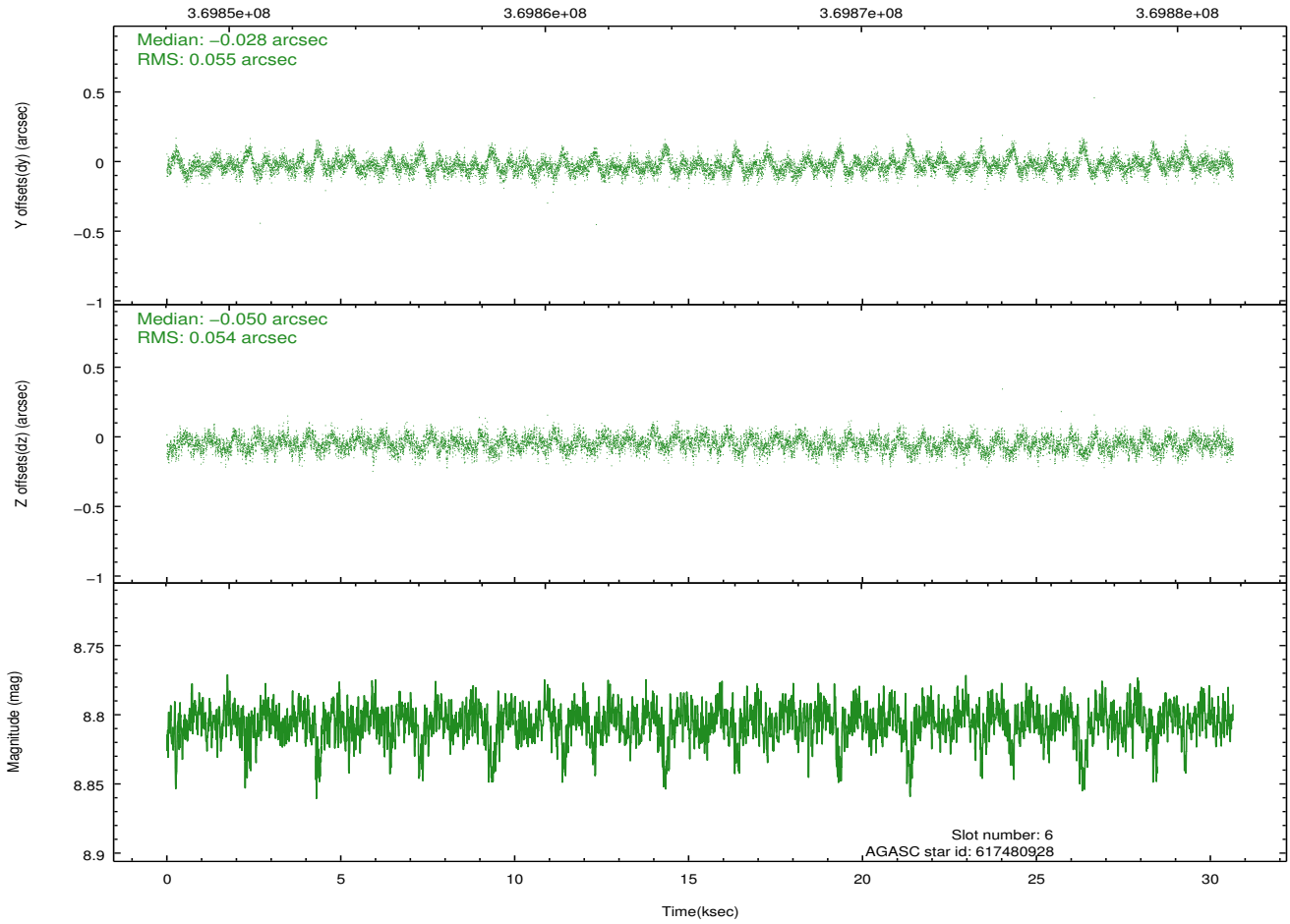
Time (s)



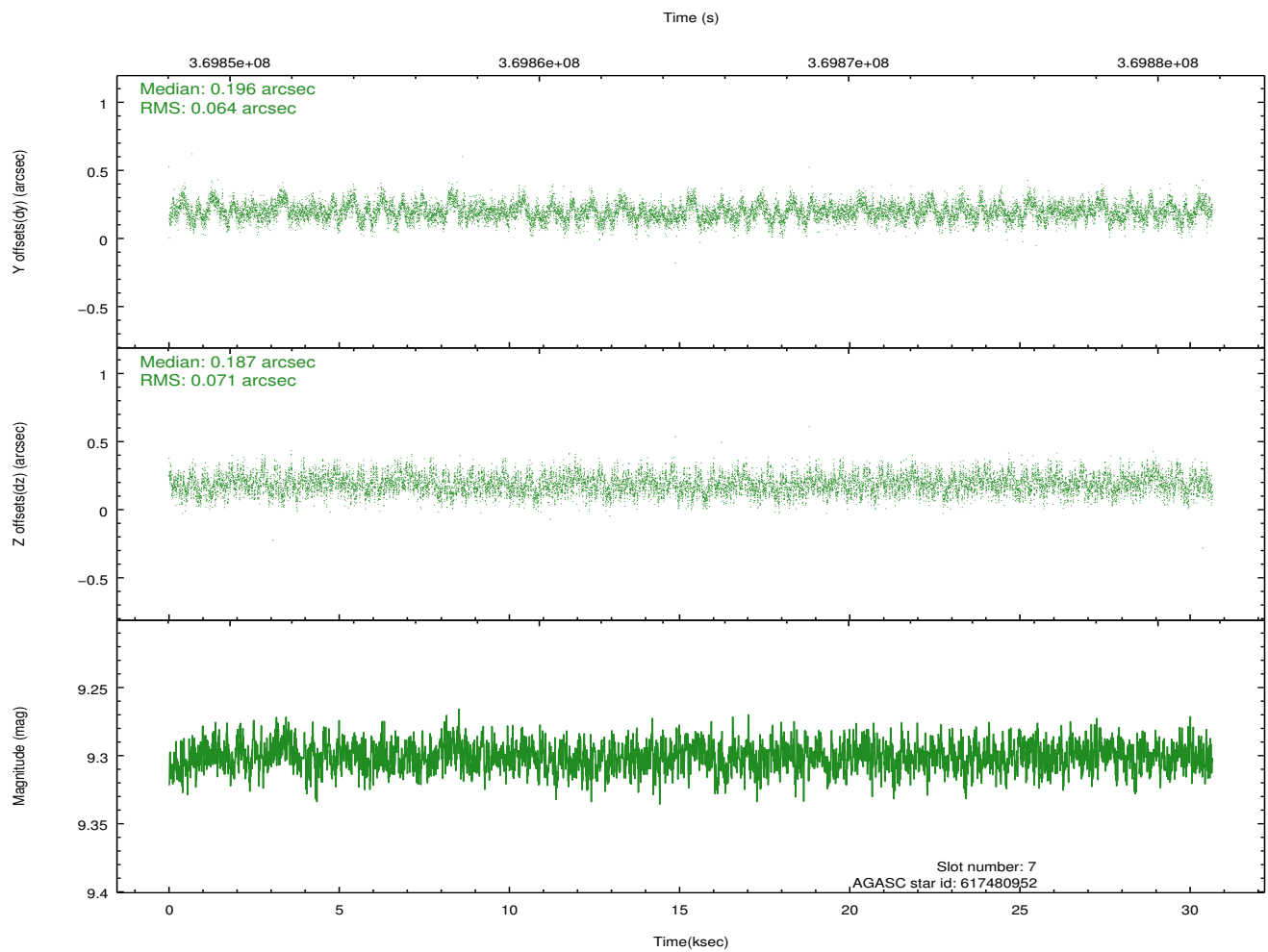
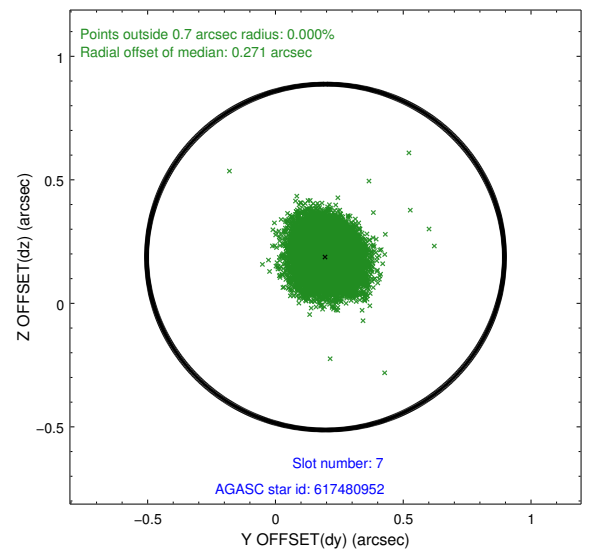
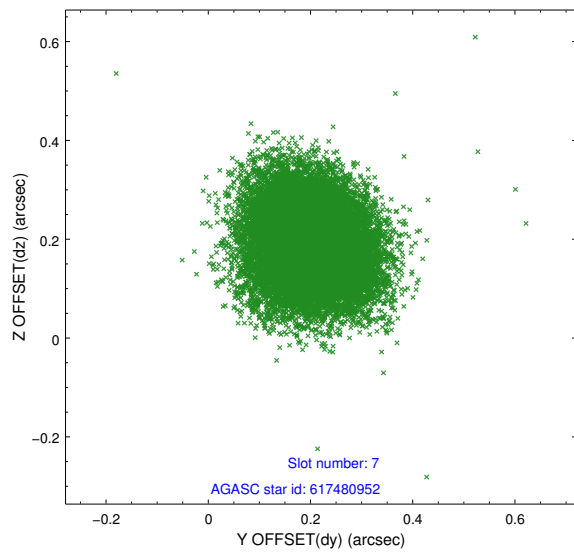
2.4.4 Slot 6



Time (s)

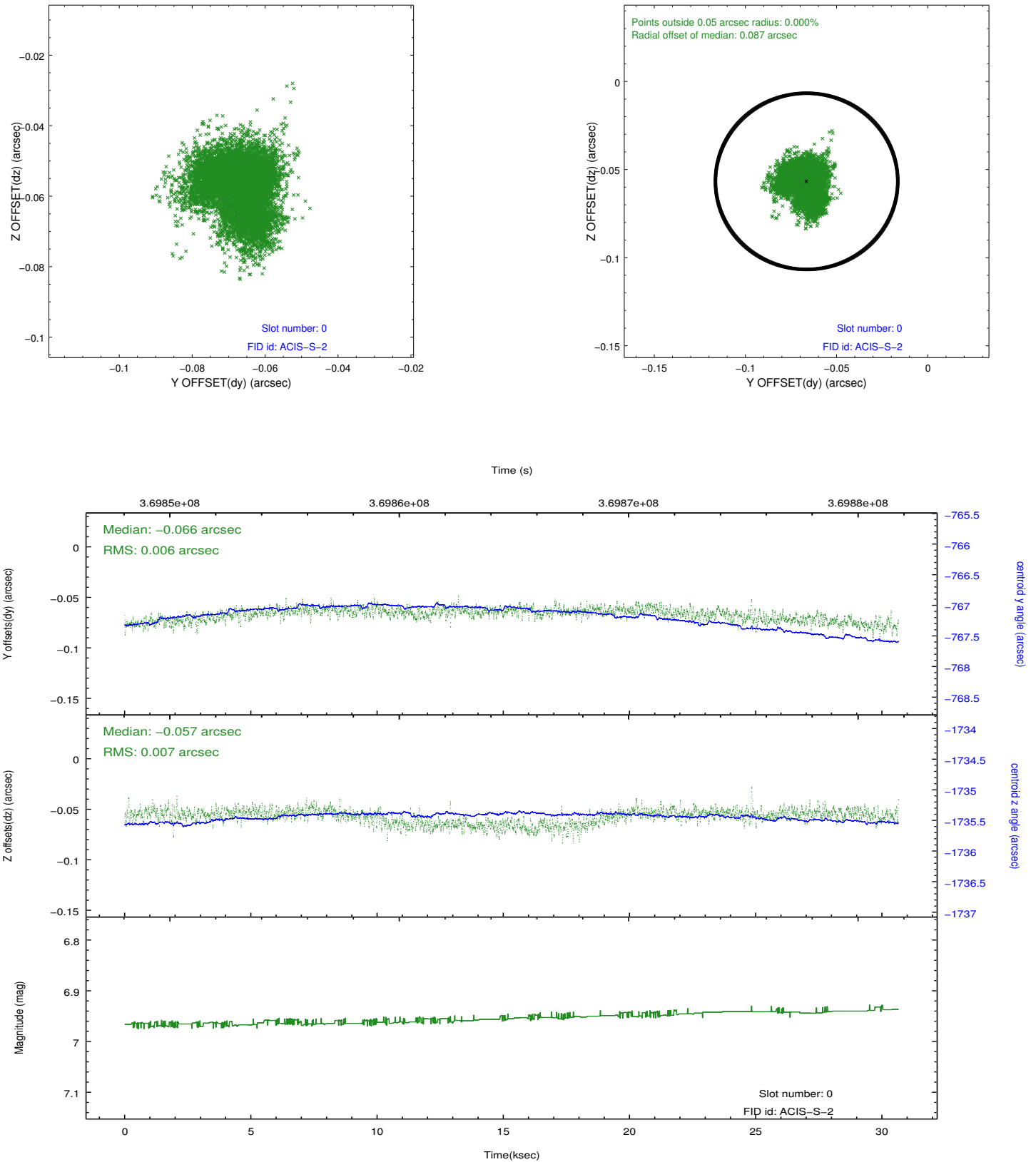


2.4.5 Slot 7

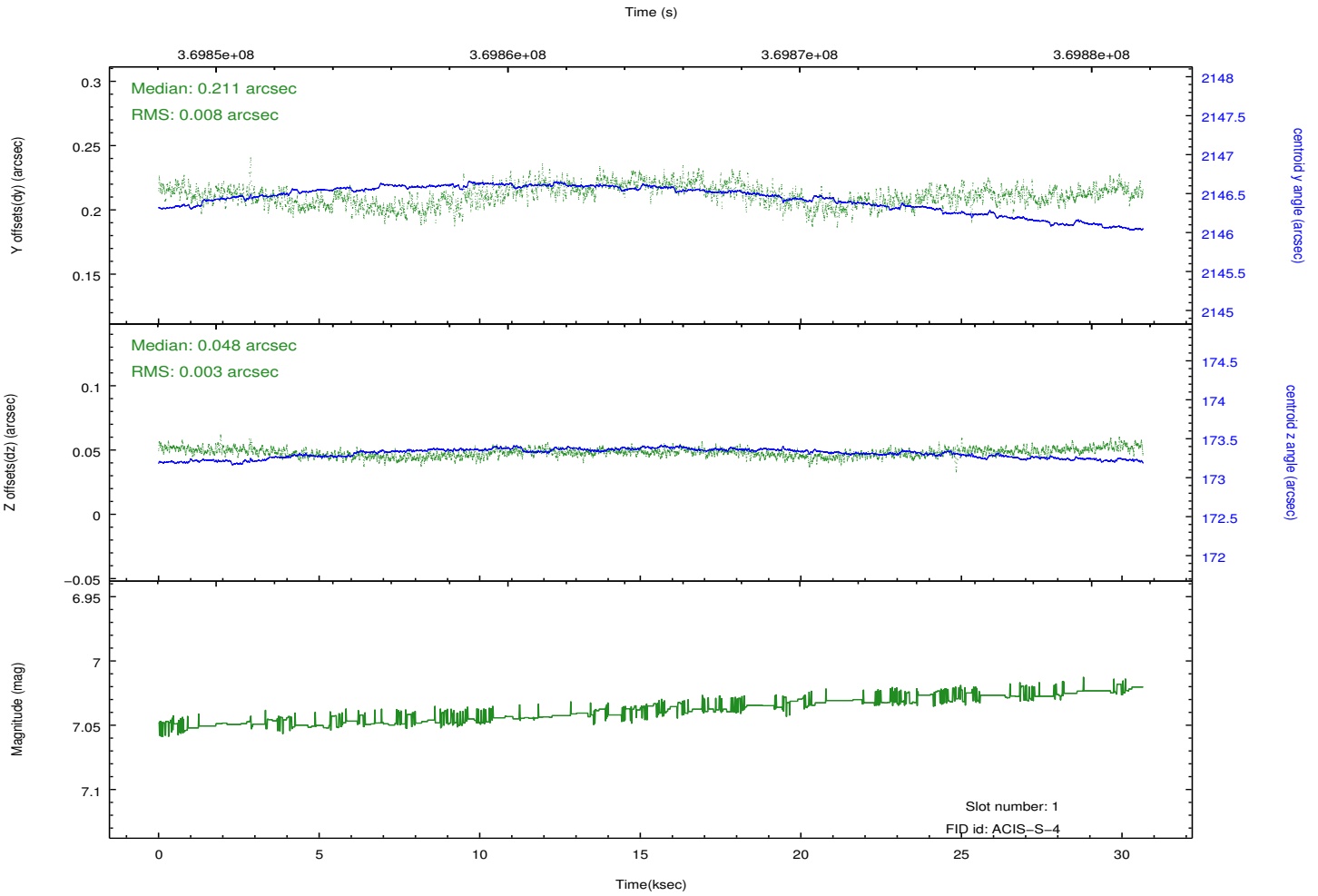
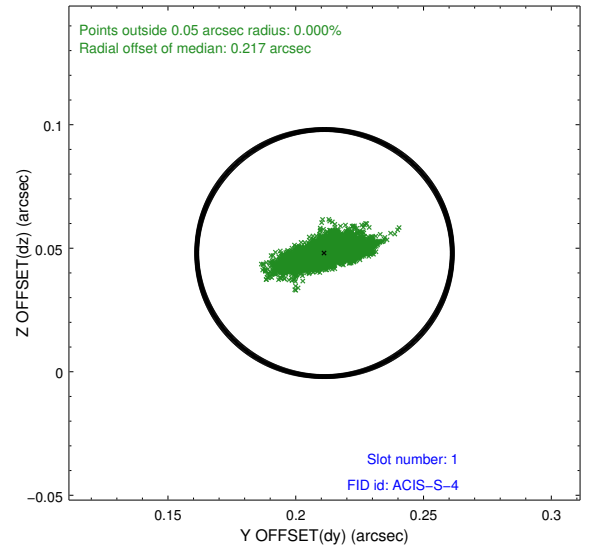
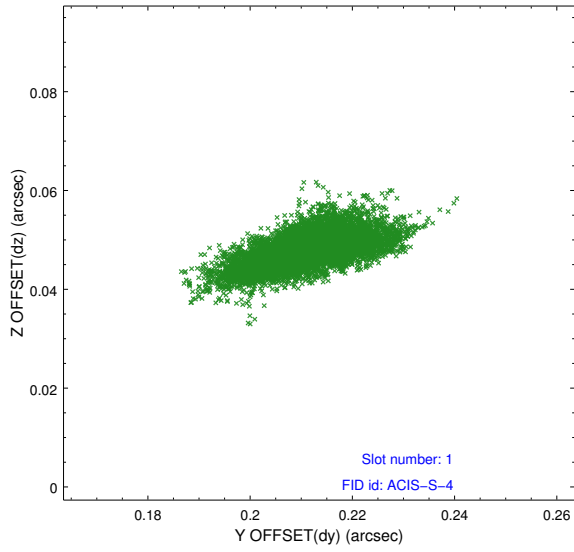


2.5 FID Slots

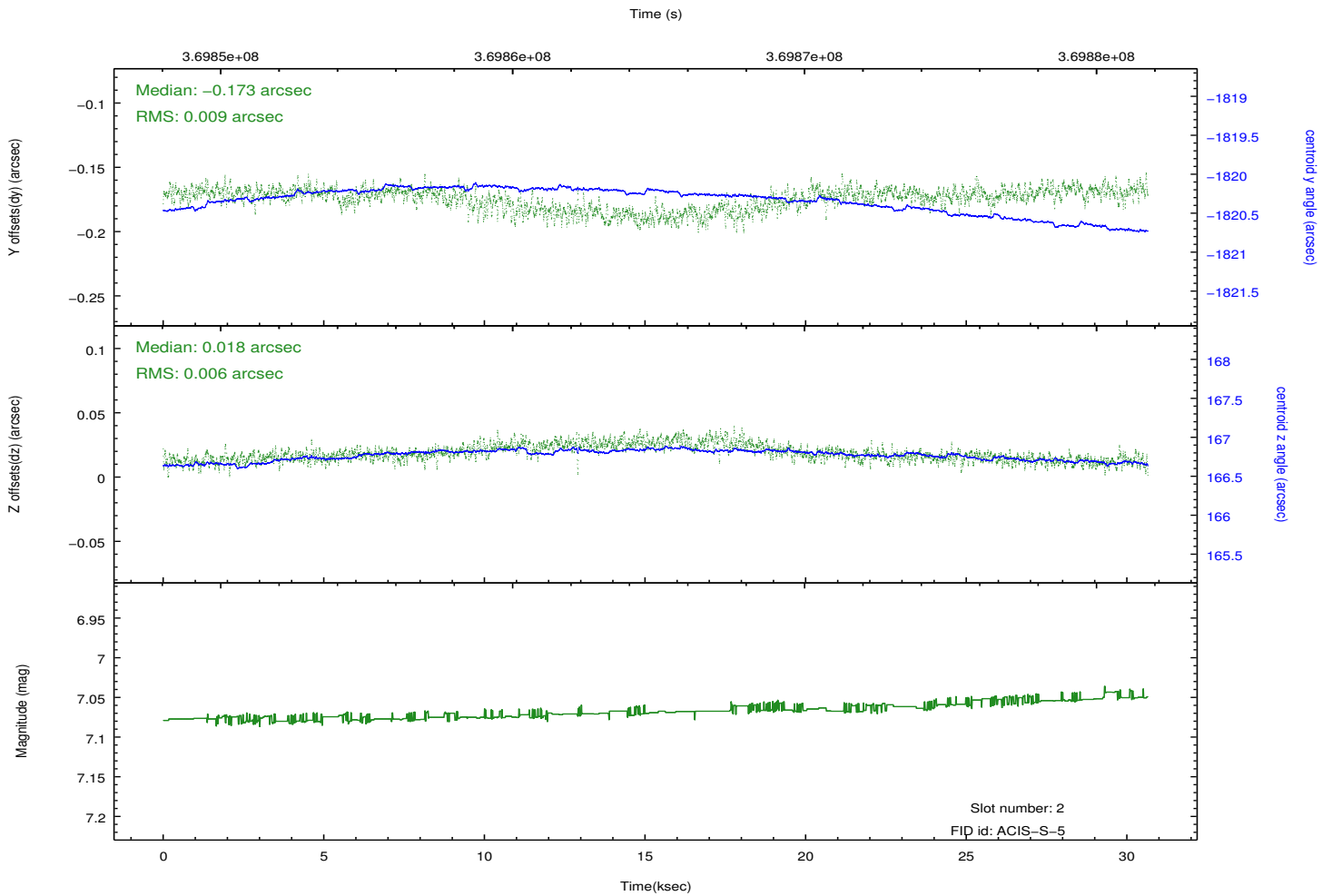
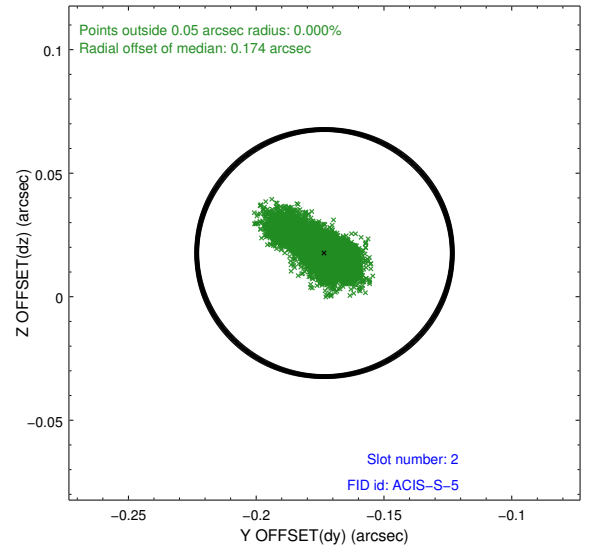
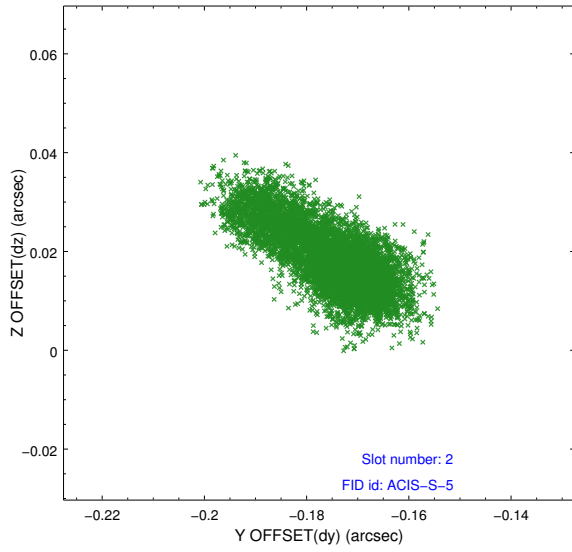
2.5.1 Slot 0



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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.041655446351

A.2 Comments