

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9314 - L2 Version 2
Chandra X-Ray Center

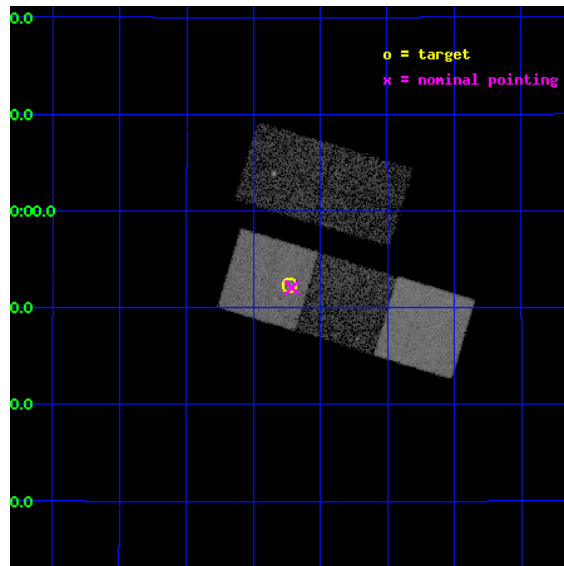
L2 Processing Date : May 15 2012

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1 Front

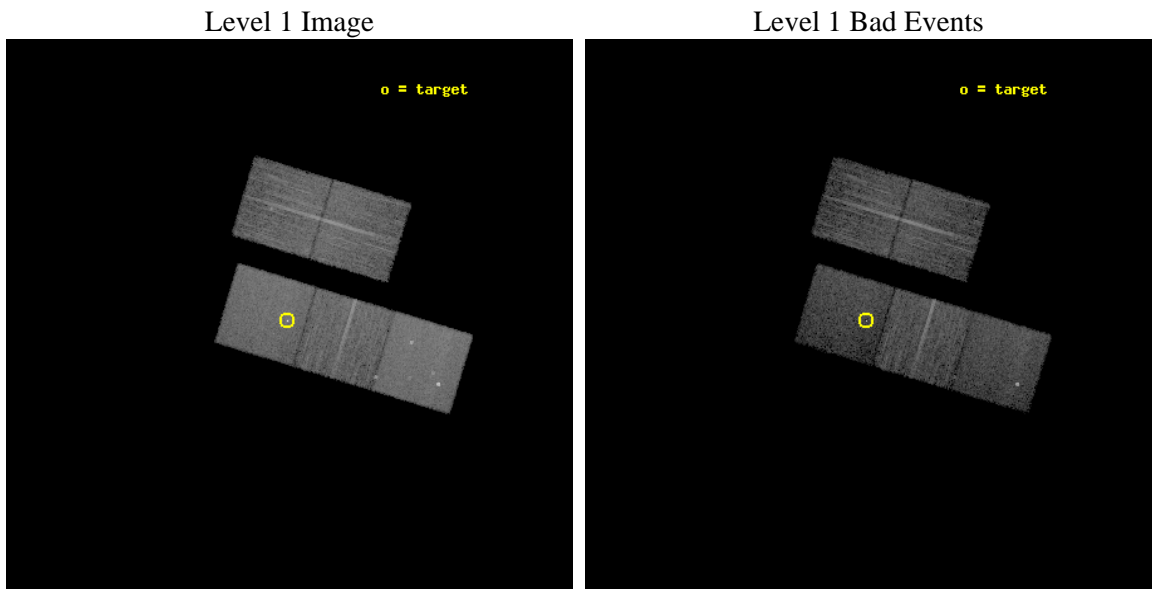
seq_num	701754	Sequence number
obs_id	9314	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C323.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	236.931667	Observer's specified target RA [deg]
dec_targ	20.871306	Observer's specified target Dec [deg]
ra_nom	236.92814963948	Nominal RA [deg]
dec_nom	20.867646363072	Nominal Dec [deg]
roll_nom	196.80262474535	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8037.8187839985	Sum of GTIs [s]
livetime	7932.7987642294	Livetime [s]
ontime2	8037.6546239853	Sum of GTIs [s]
ontime3	8037.6956639886	Sum of GTIs [s]
ontime5	8037.7777439952	Sum of GTIs [s]
ontime6	8037.7367039919	Sum of GTIs [s]
ontime7	8037.8187839985	Sum of GTIs [s]
l2events	90973	Number of level 2 events



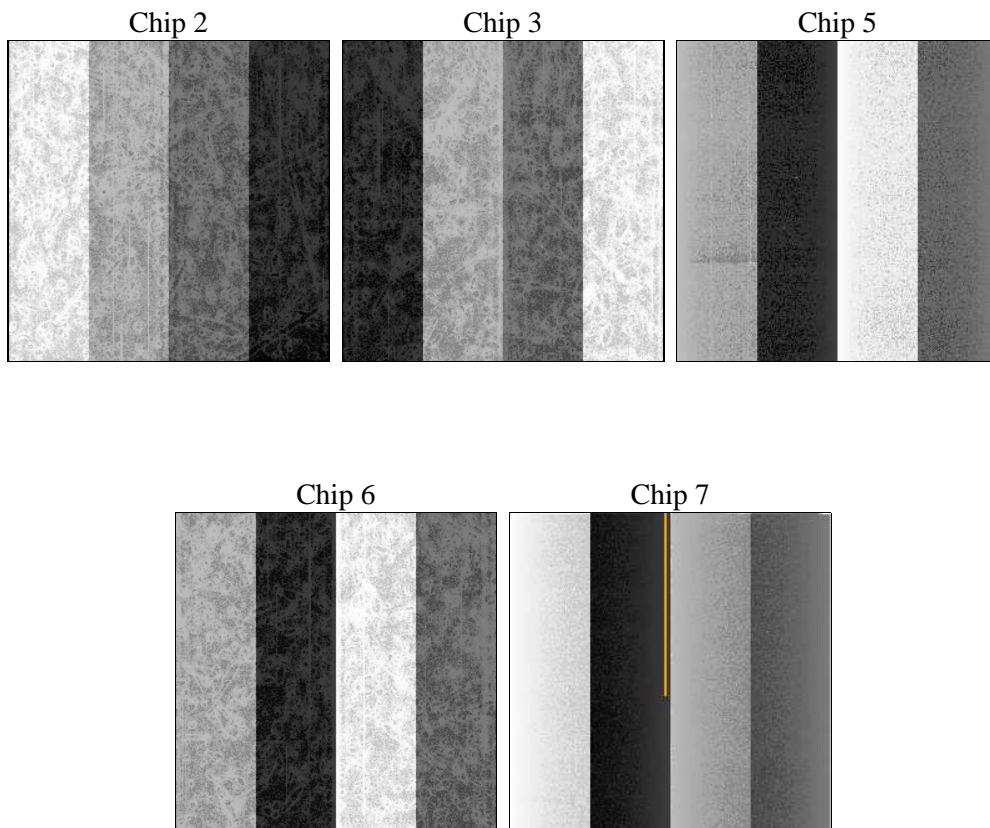
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8037.8187839985	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	8037.6546239853	Sum of GTIs [s]
date	2012-05-16T02:57:39	Date and time of file creation	ontime3	8037.6956639886	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8037.7777439952	Sum of GTIs [s]
			ontime6	8037.7367039919	Sum of GTIs [s]
			ontime7	8037.8187839985	Sum of GTIs [s]
			l1events	349929	Number of level 1 events

2.1.4 Events

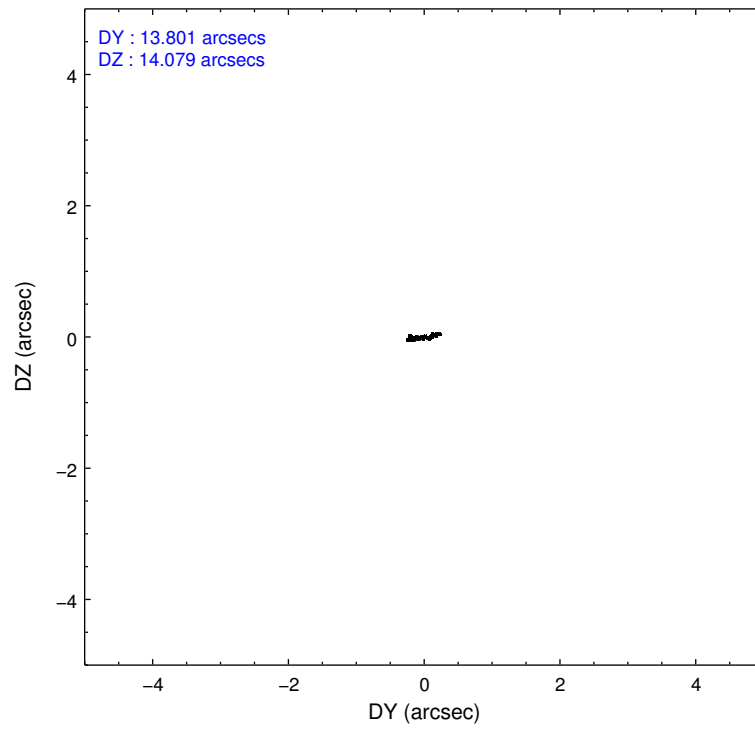
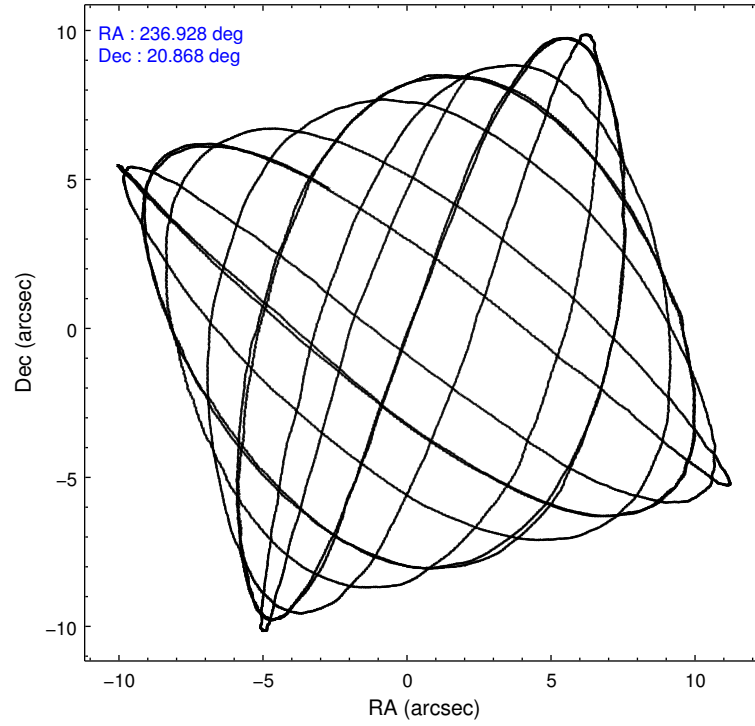
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	62740	59833	89738	63157	74461
rejected events	56686	53872	44989	56282	39812
rejected %	90%	90%	50%	89%	53%

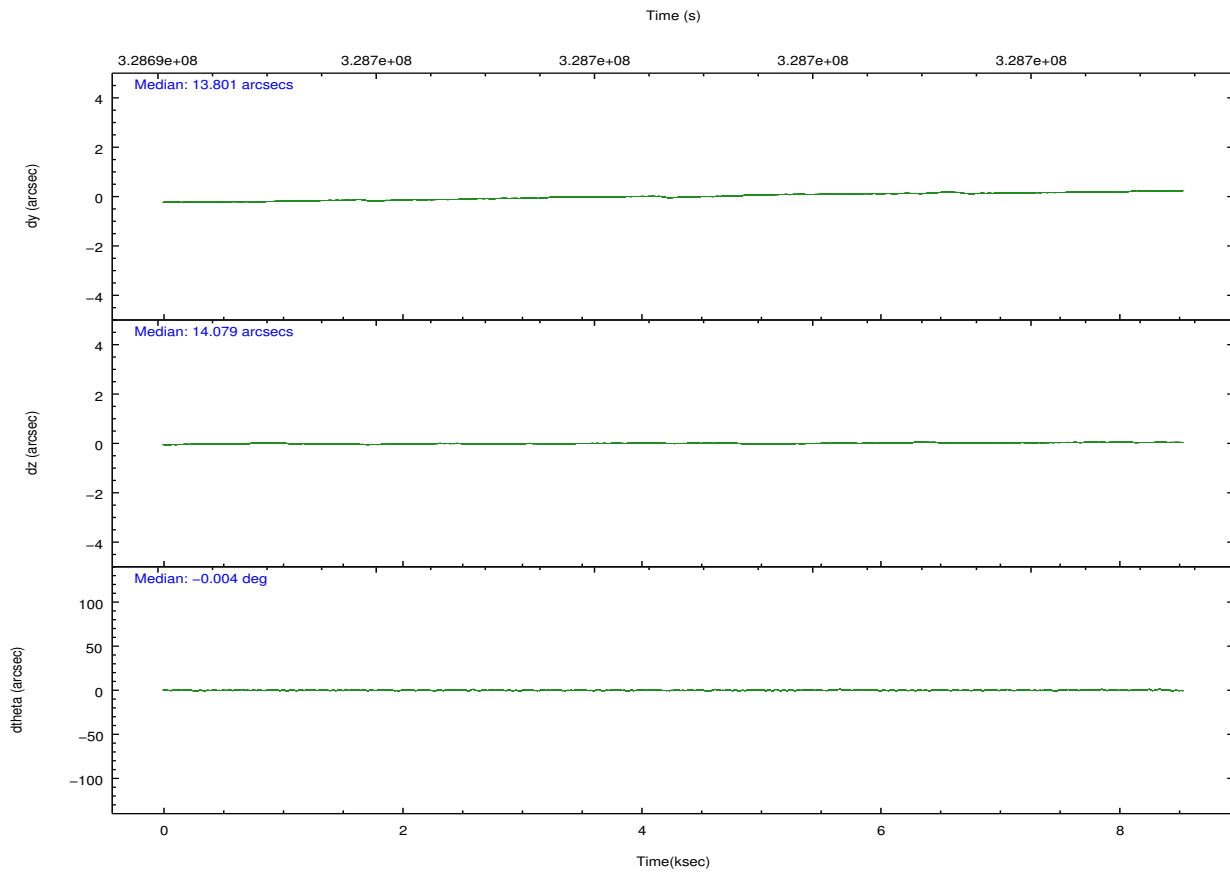
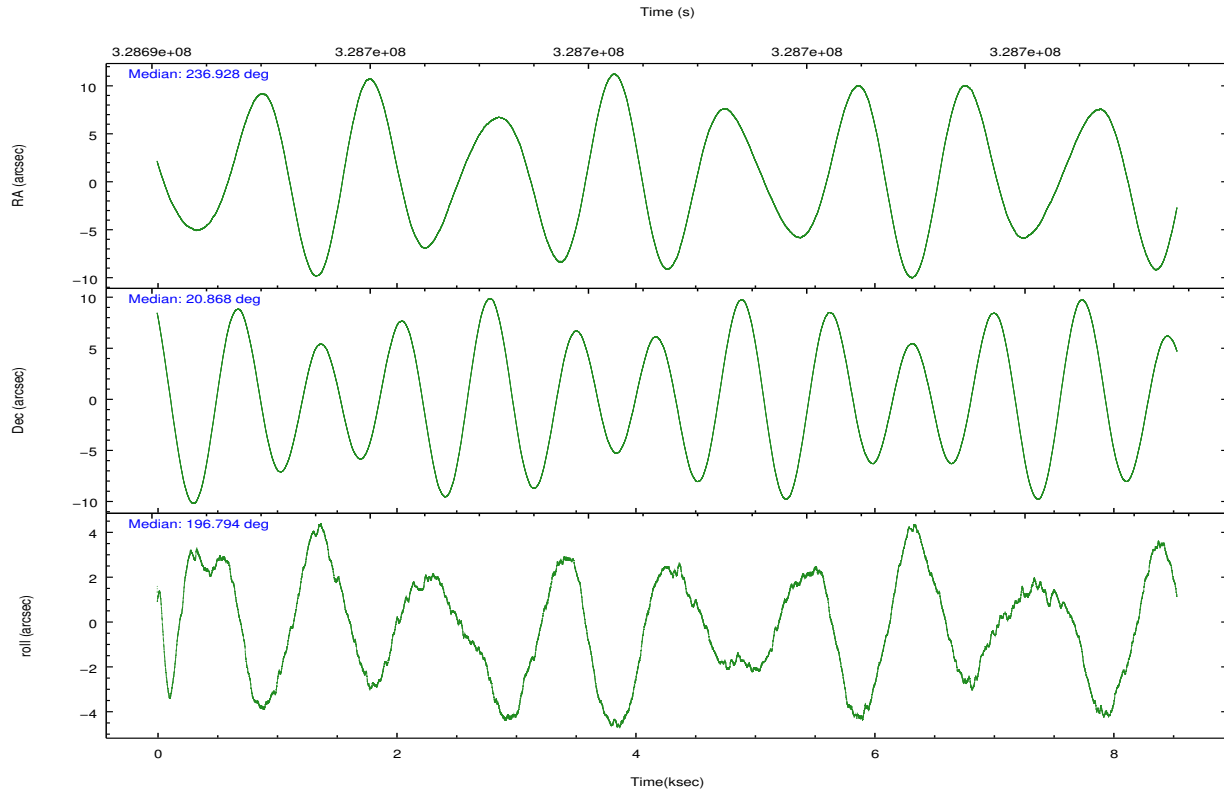
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2100	2218	4913	2441	3493
	3%	3%	5%	3%	4%
grade 1 events	25	31	1279	35	152
	0%	0%	1%	0%	0%
grade 2 events	1514	1279	13537	1550	7135
	2%	2%	15%	2%	9%
grade 3 events	630	591	1784	729	3172
	1%	0%	1%	1%	4%
grade 4 events	646	688	1807	729	3152
	1%	1%	2%	1%	4%
grade 5 events	2011	2471	6950	2600	7779
	3%	4%	7%	4%	10%
grade 6 events	1164	1186	22723	1428	17706
	1%	1%	25%	2%	23%
grade 7 events	54650	51369	36745	53645	31872
	87%	85%	40%	84%	42%

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	236.947971	236.9281496394805	CCD I2 on	Y	Y
[deg] Pointing Dec	20.887862	20.86764636307203	CCD I3 on	Y	Y
[deg] Pointing Roll	196.638931	196.8026247453452	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	328694993.184000	328693886.34277	CCD S5 on	N	N
Observation start date	2008-06-01T08:08:48	2008-06-01T07:51:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328702993.184000	328703683.29325	On-chip summing requested	N	N
Observation end date	2008-06-01T10:22:08	2008-06-01T10:34:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



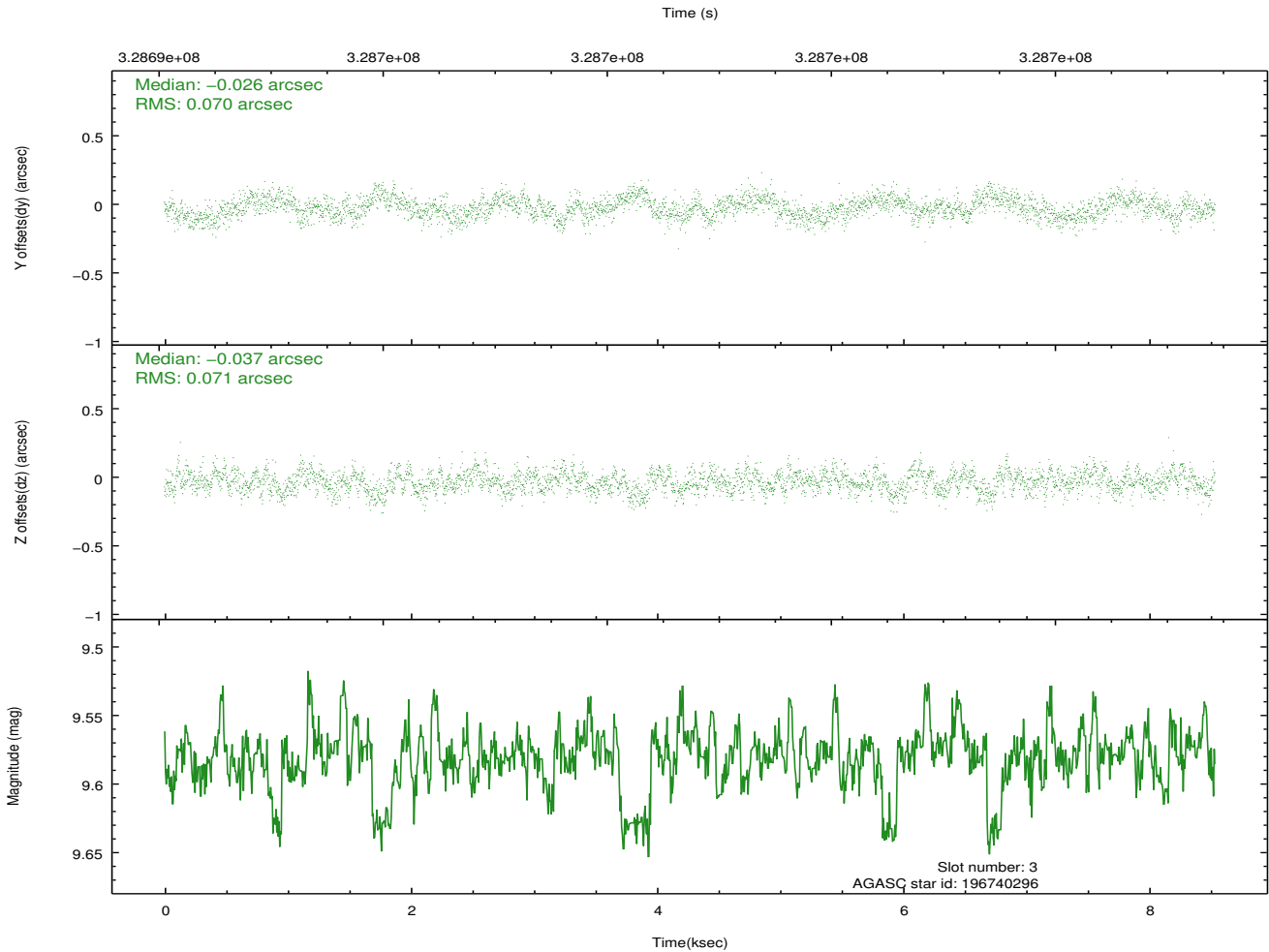
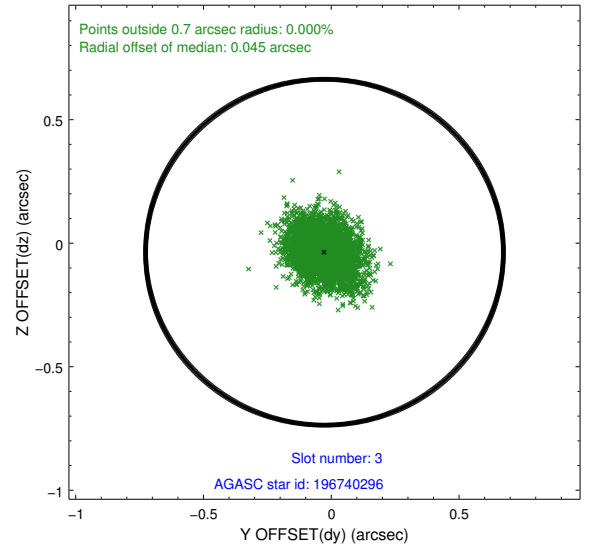
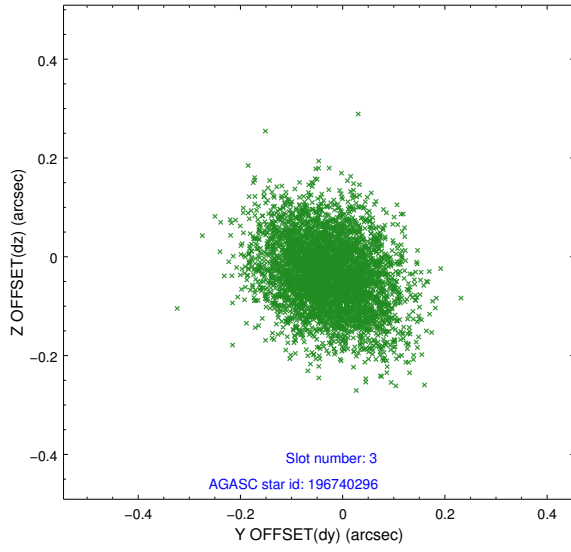


Slot Statistics

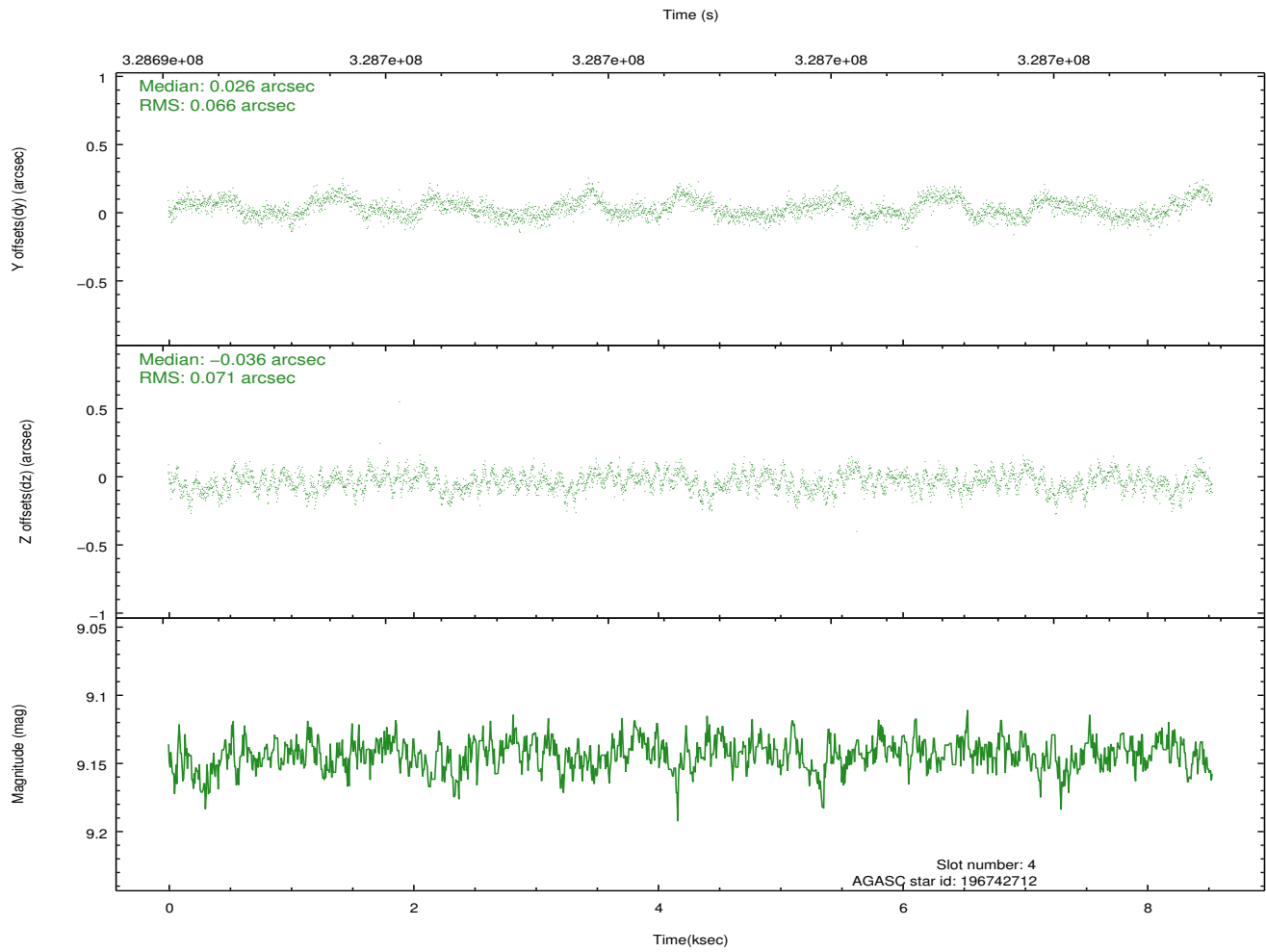
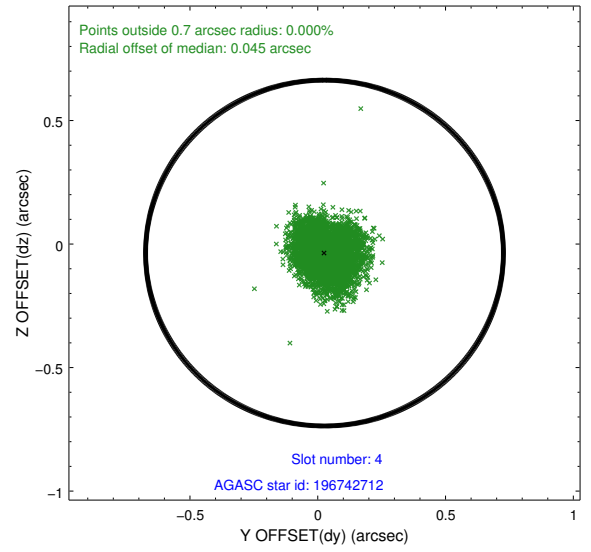
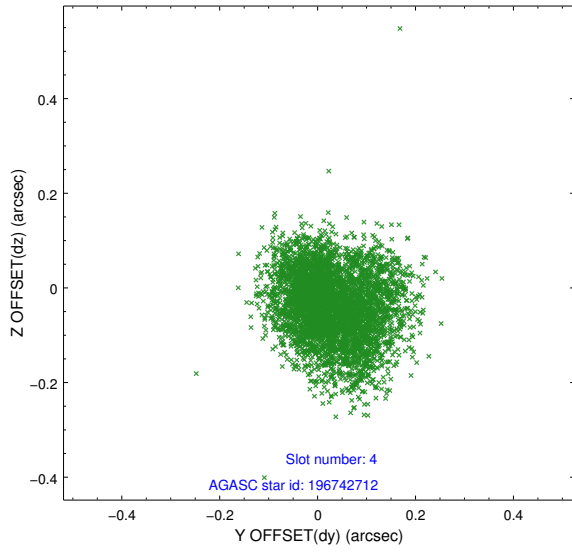
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2082	-0.050	-0.032	0.008	0.013	0.000000	0.000000	-766.79	-1735.42
1	FID	ACIS-S-4	6.98	2082	0.166	0.033	0.010	0.015	0.000000	0.000000	2146.41	172.46
2	FID	ACIS-S-5	7.00	2082	-0.148	0.008	0.006	0.011	0.000000	0.000000	-1818.90	166.84
3	GUIDE	196740296	9.58	4163	-0.026	-0.037	0.106	0.172	236.880142	20.506243	612.48	1250.93
4	GUIDE	196742712	9.14	4161	0.026	-0.036	0.105	0.164	237.107744	20.551385	-169.11	1314.78
5	GUIDE	196750056	8.20	4164	0.093	0.068	0.074	0.113	236.232272	20.881409	2311.71	-671.26
6	GUIDE	196751472	9.39	4163	-0.094	0.005	0.102	0.172	236.602985	21.373692	607.77	-2008.04
7	GUIDE	196752464	9.16	4163	0.005	-0.000	0.106	0.189	236.375138	21.178617	1544.13	-1557.87

2.4 Star Slots

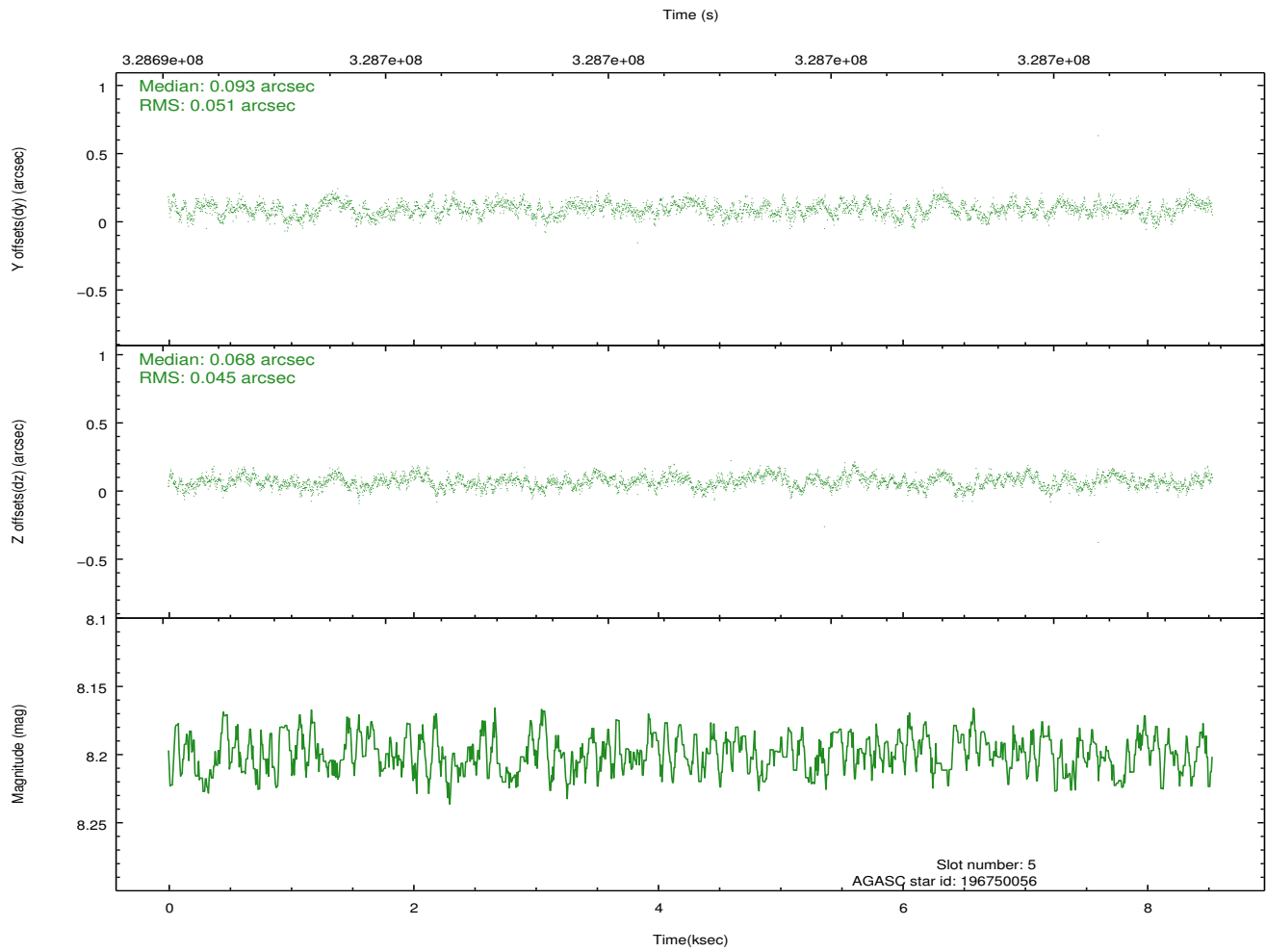
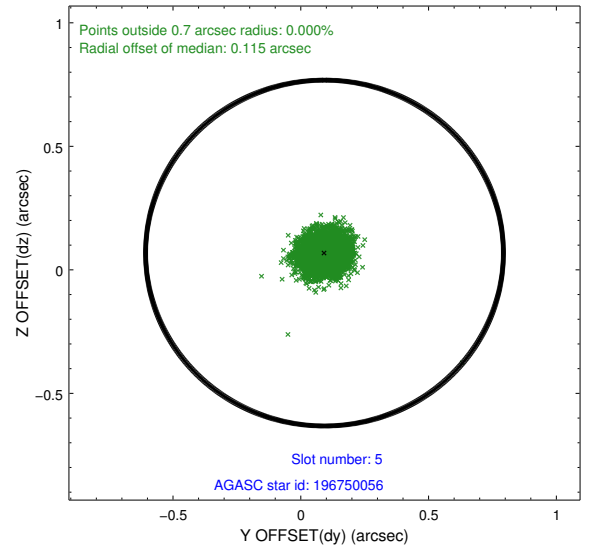
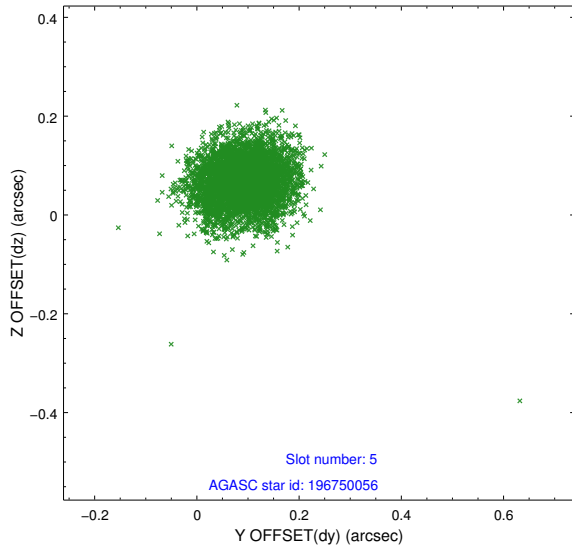
2.4.1 Slot 3



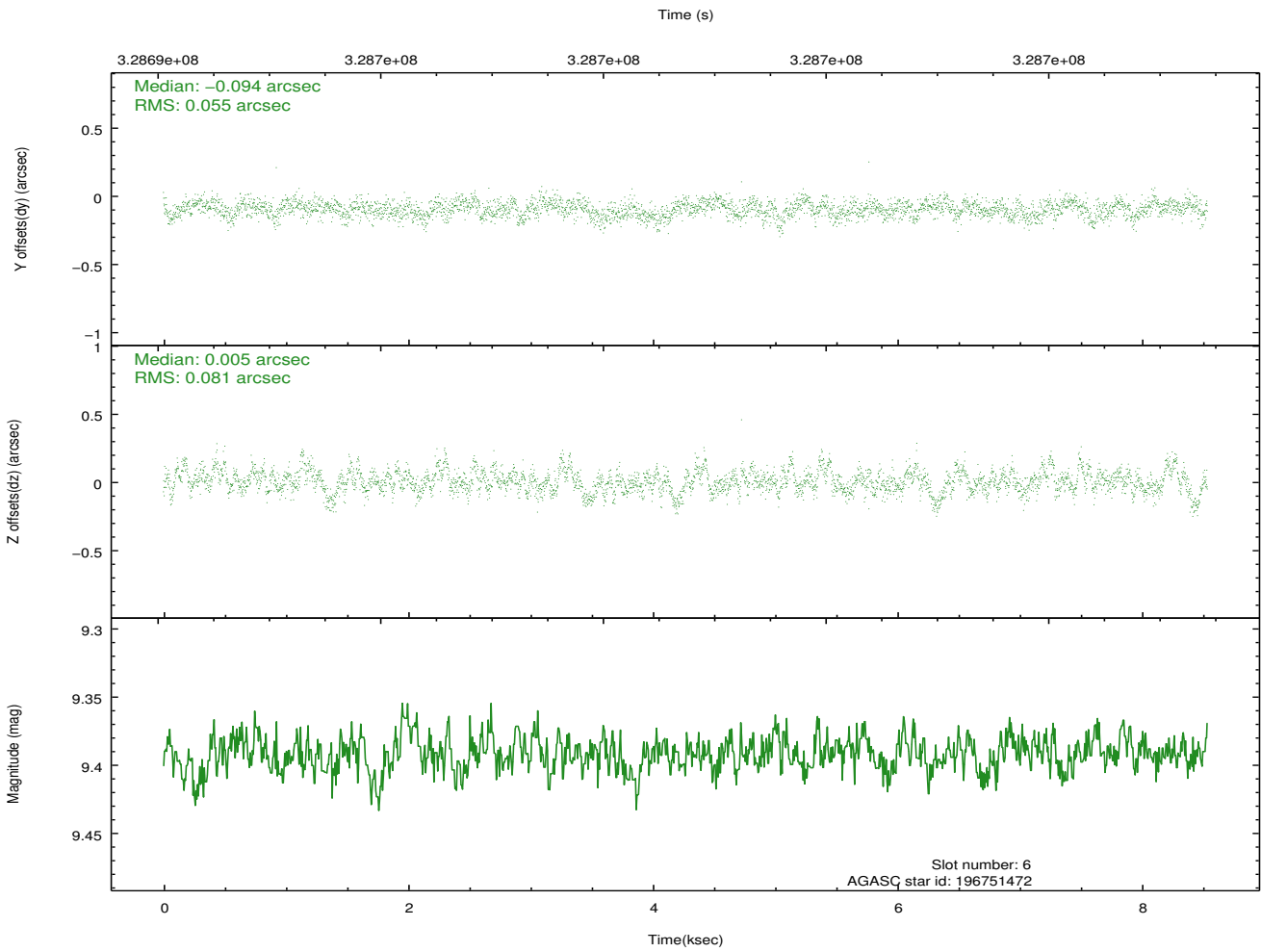
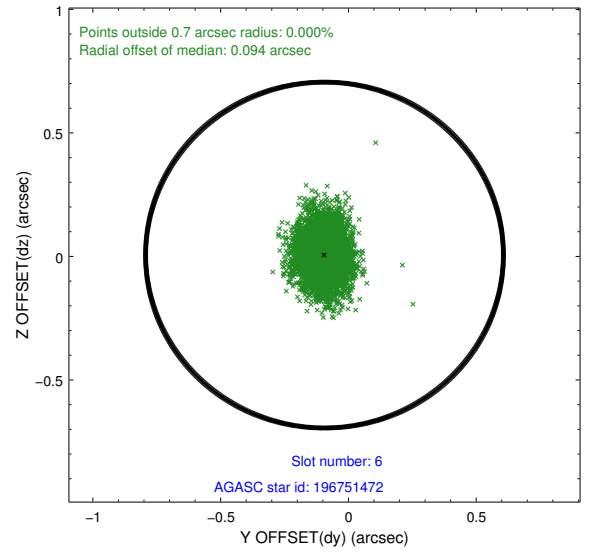
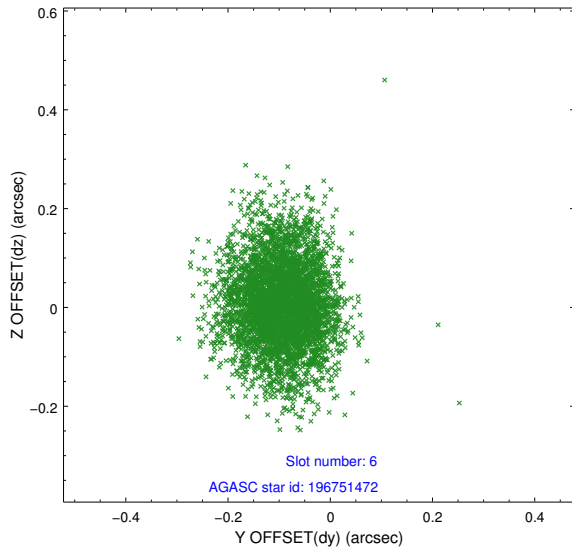
2.4.2 Slot 4



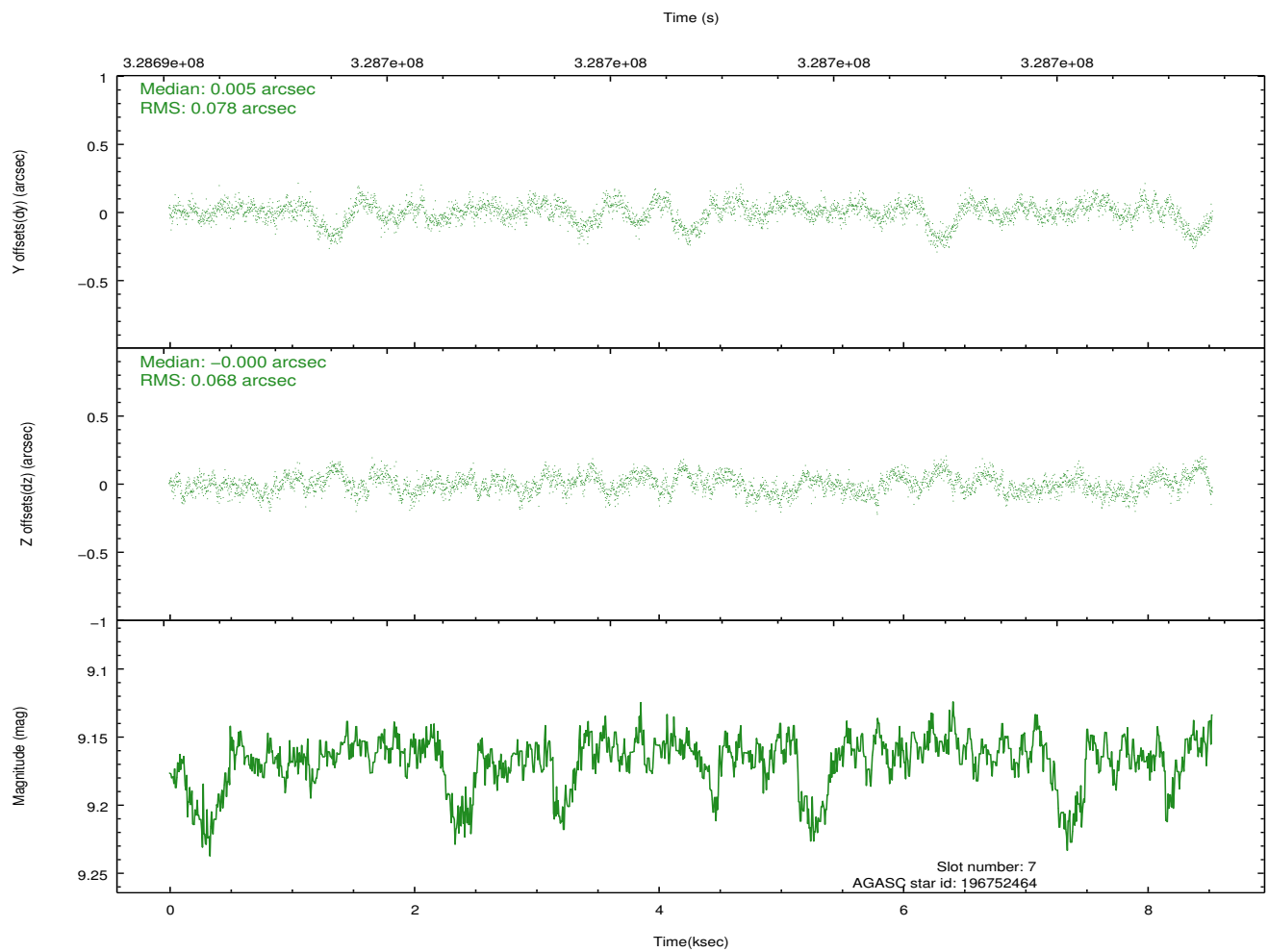
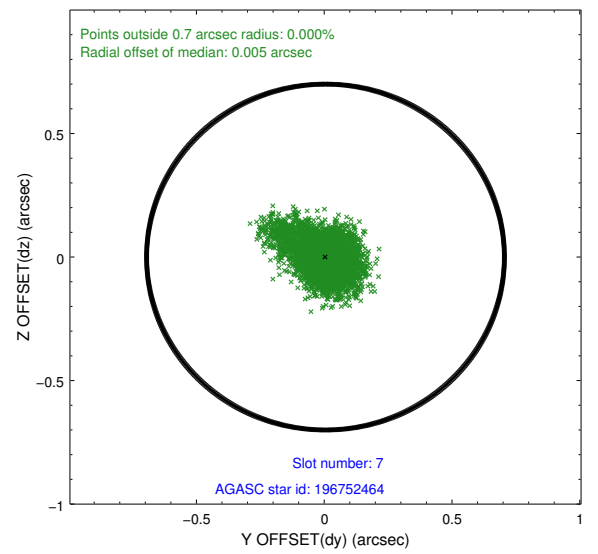
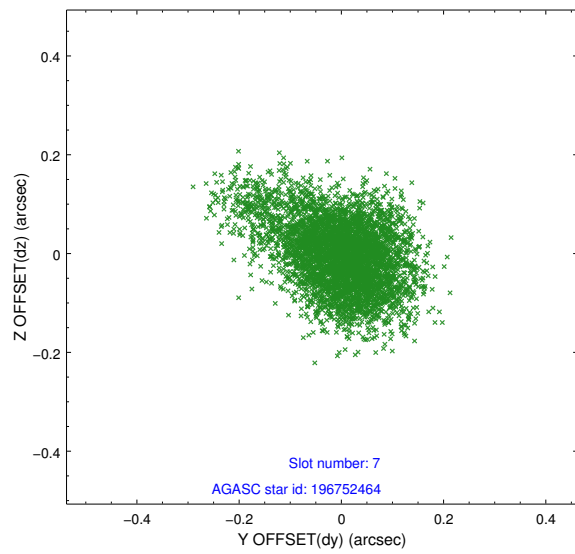
2.4.3 Slot 5



2.4.4 Slot 6

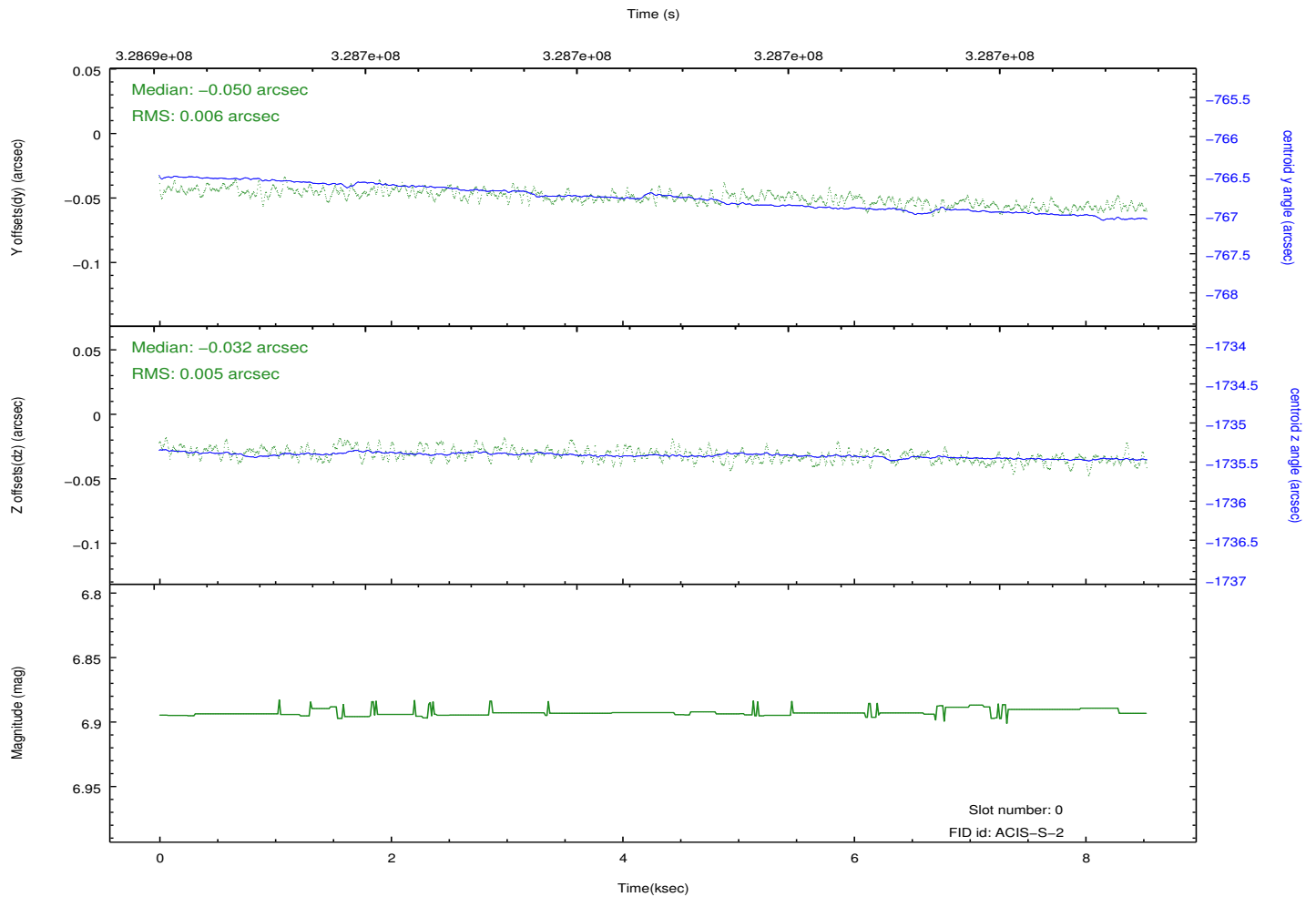
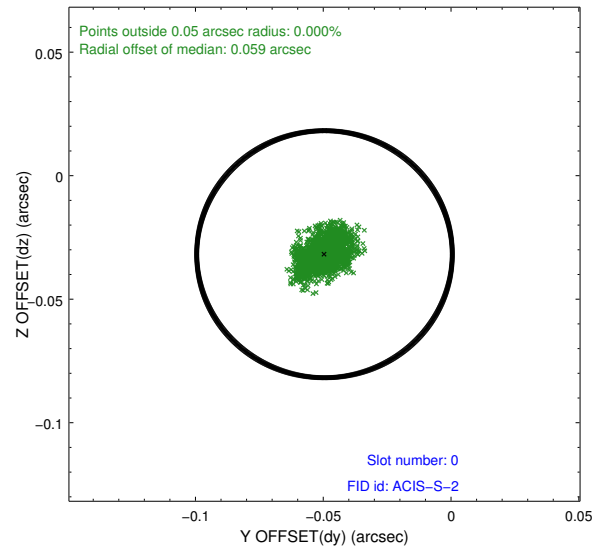
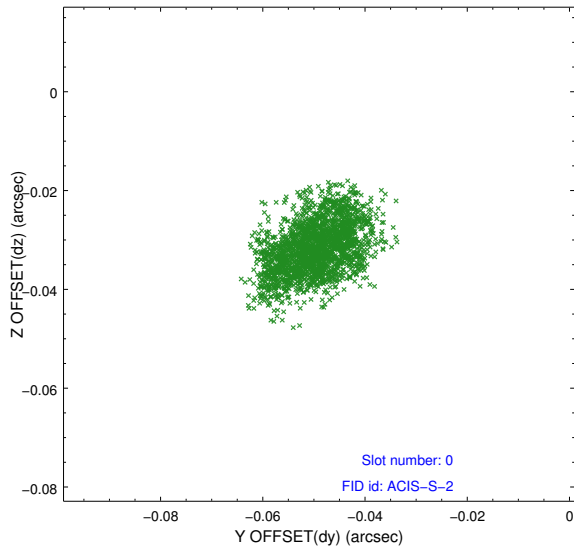


2.4.5 Slot 7

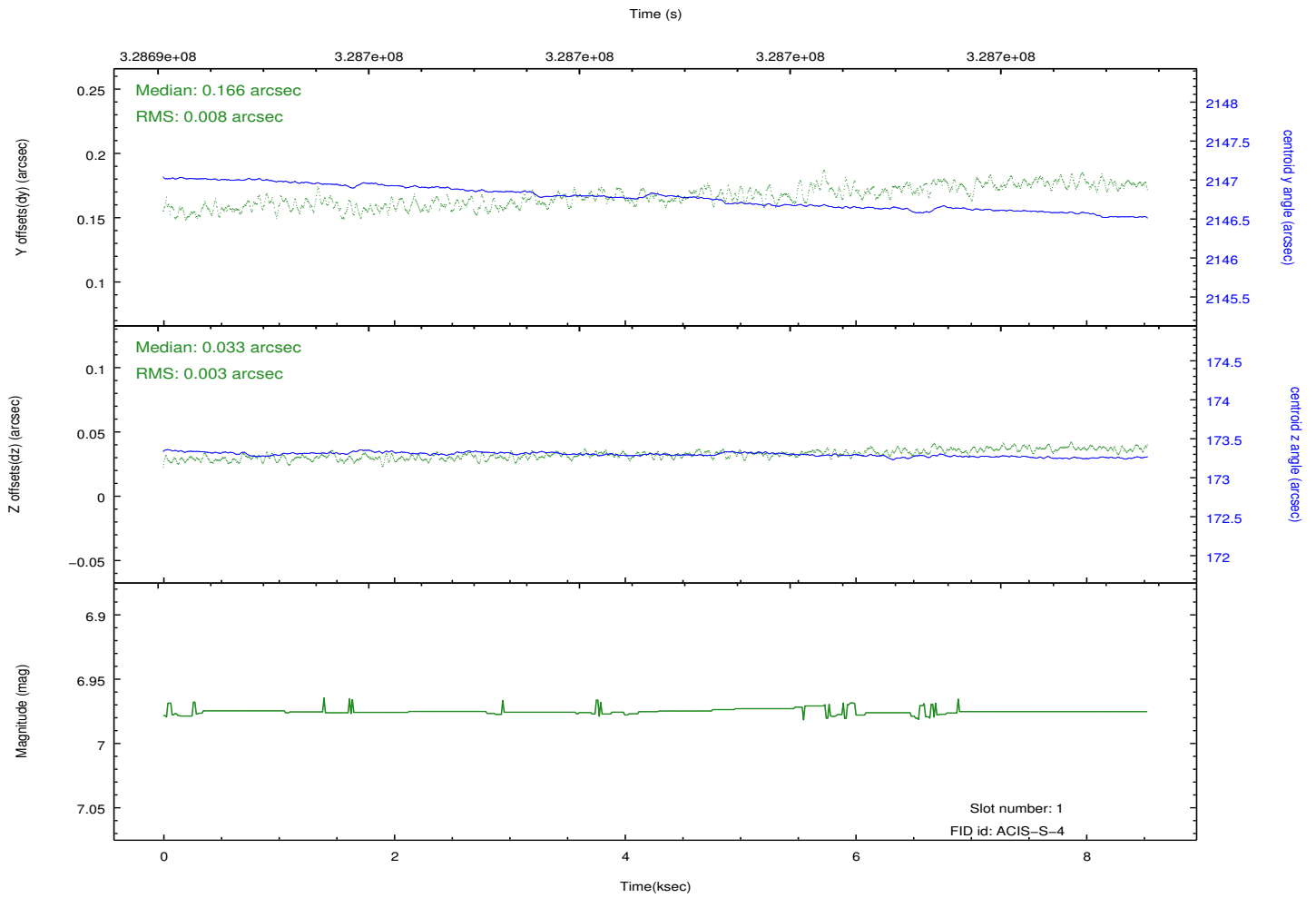
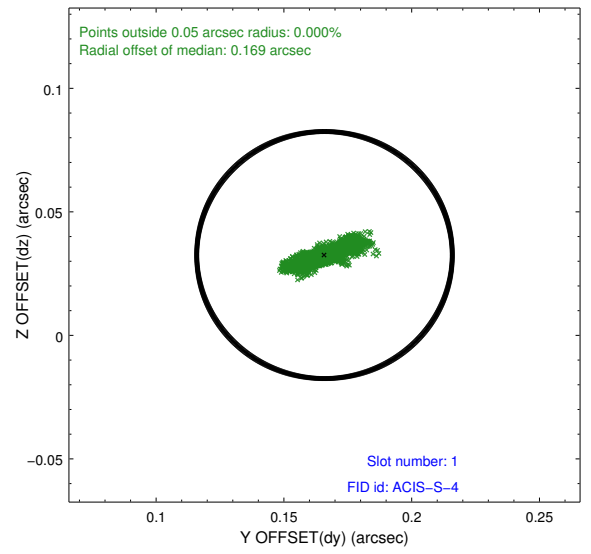
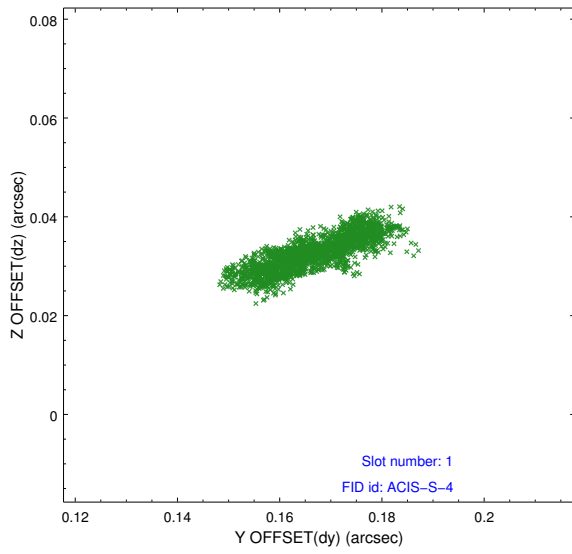


2.5 FID Slots

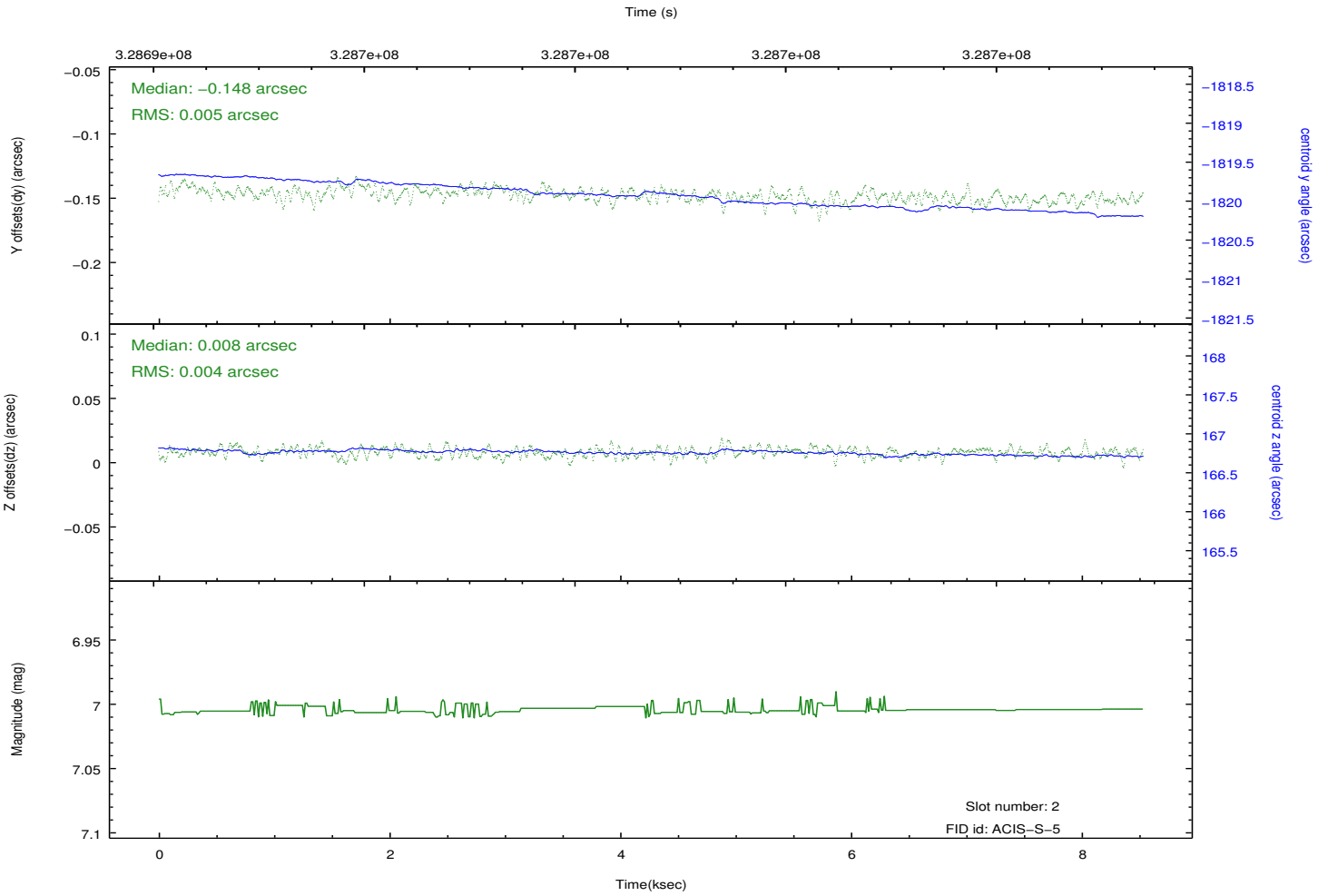
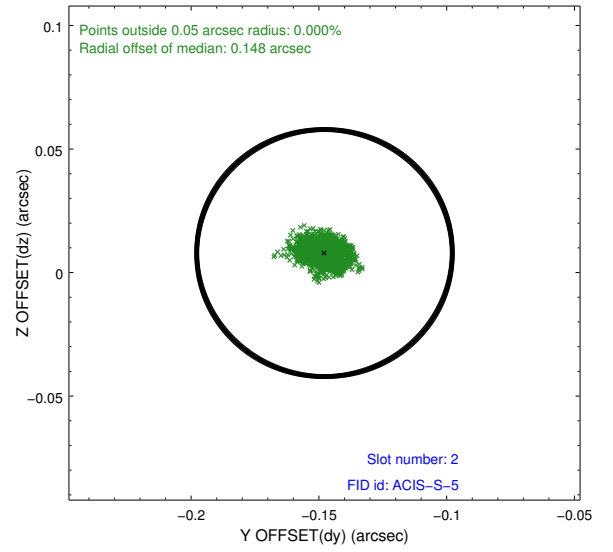
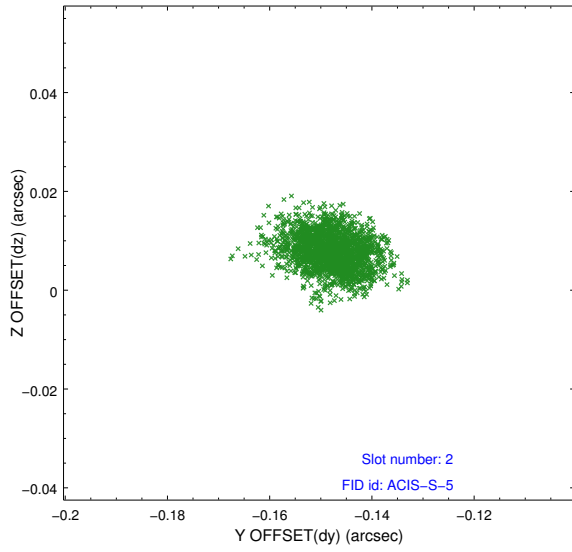
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.03830006

A.2 Comments