

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9536 - L2 Version 2
Chandra X-Ray Center

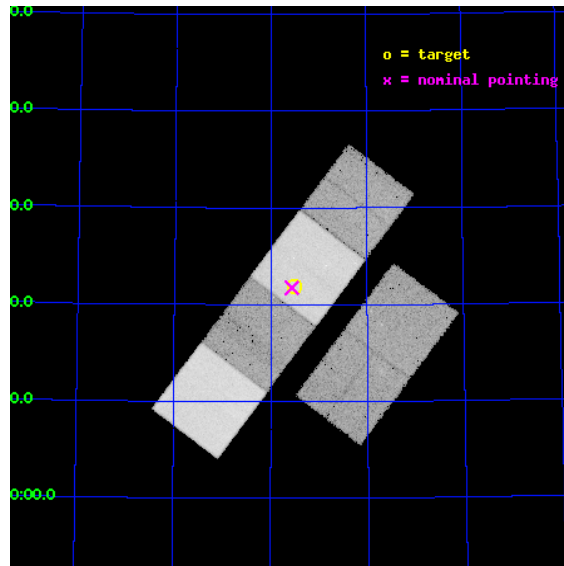
L2 Processing Date : May 17 2012

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1 Front

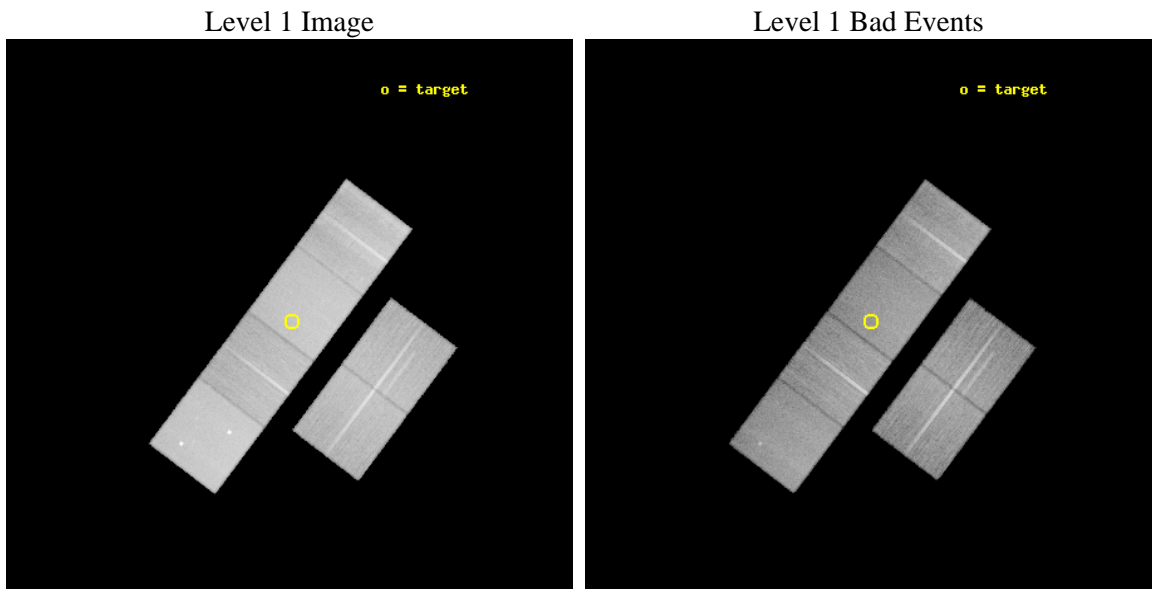
seq_num	600677	Sequence number
obs_id	9536	Observation id
title	Galaxies across the Octaves: A Chandra Legacy Survey of SINGS Galaxies	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	M81 DwB	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.3775	Observer's specified target RA [deg]
dec_targ	70.364444	Observer's specified target Dec [deg]
ra_nom	151.39090150199	Nominal RA [deg]
dec_nom	70.362660389041	Nominal Dec [deg]
roll_nom	306.95735916156	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25253.114211321	Sum of GTIs [s]
livetime	24933.344073577	Livetime [s]
ontime2	25253.155251324	Sum of GTIs [s]
ontime3	25252.991091311	Sum of GTIs [s]
ontime5	25253.073171318	Sum of GTIs [s]
ontime6	25253.032131314	Sum of GTIs [s]
ontime7	25253.114211321	Sum of GTIs [s]
ontime8	25252.950051308	Sum of GTIs [s]
l2events	413525	Number of level 2 events



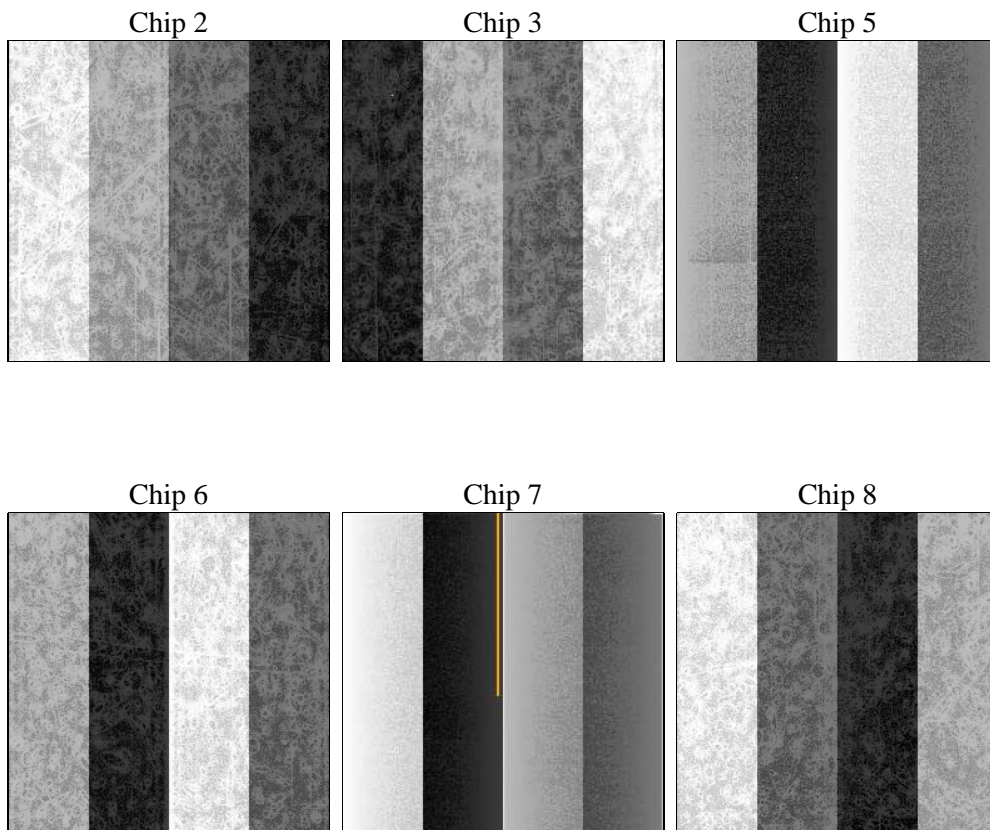
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	25253.114211321	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	25253.155251324	Sum of GTIs [s]
date	2012-05-17T16:40:31	Date and time of file creation	ontime3	25252.991091311	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	25253.073171318	Sum of GTIs [s]
			ontime6	25253.032131314	Sum of GTIs [s]
			ontime7	25253.114211321	Sum of GTIs [s]
			ontime8	25252.950051308	Sum of GTIs [s]
			l1events	1773696	Number of level 1 events

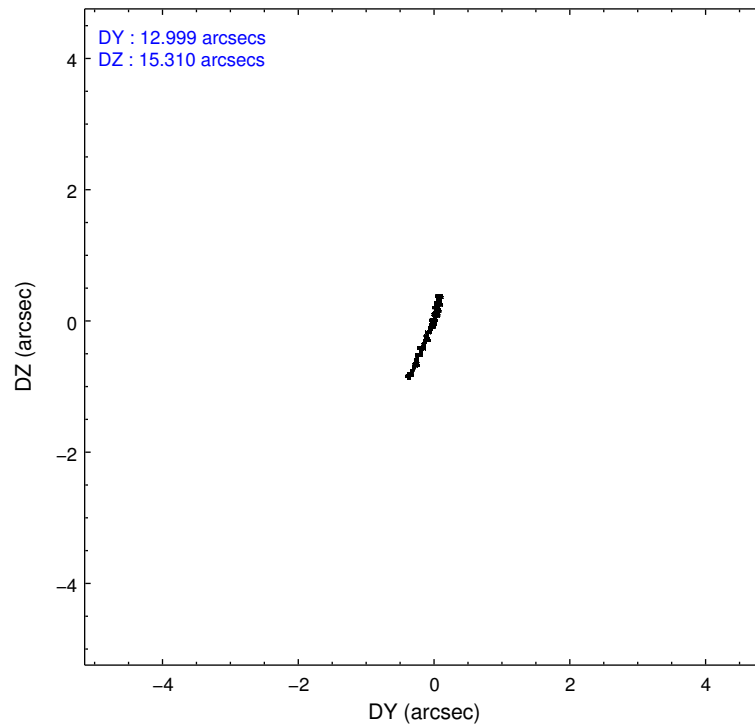
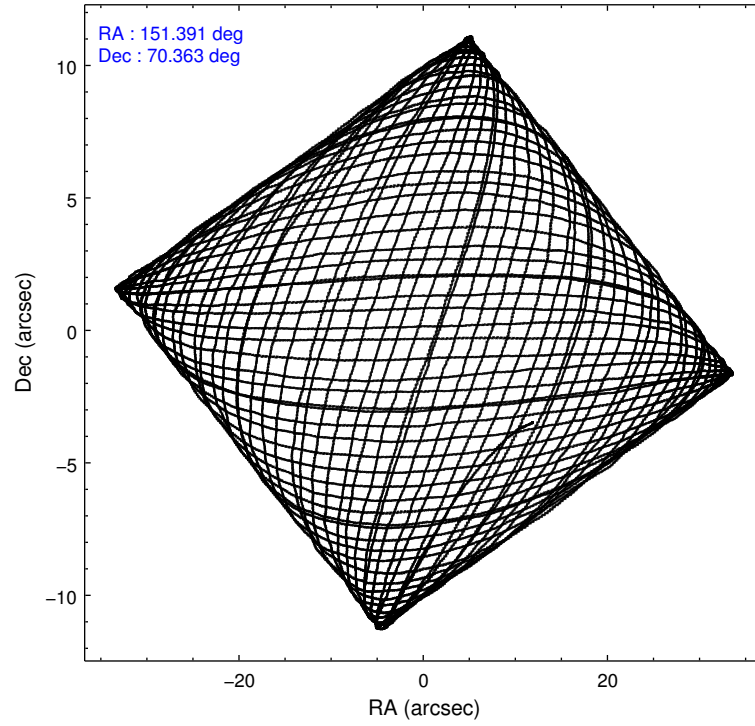
2.1.4 Events

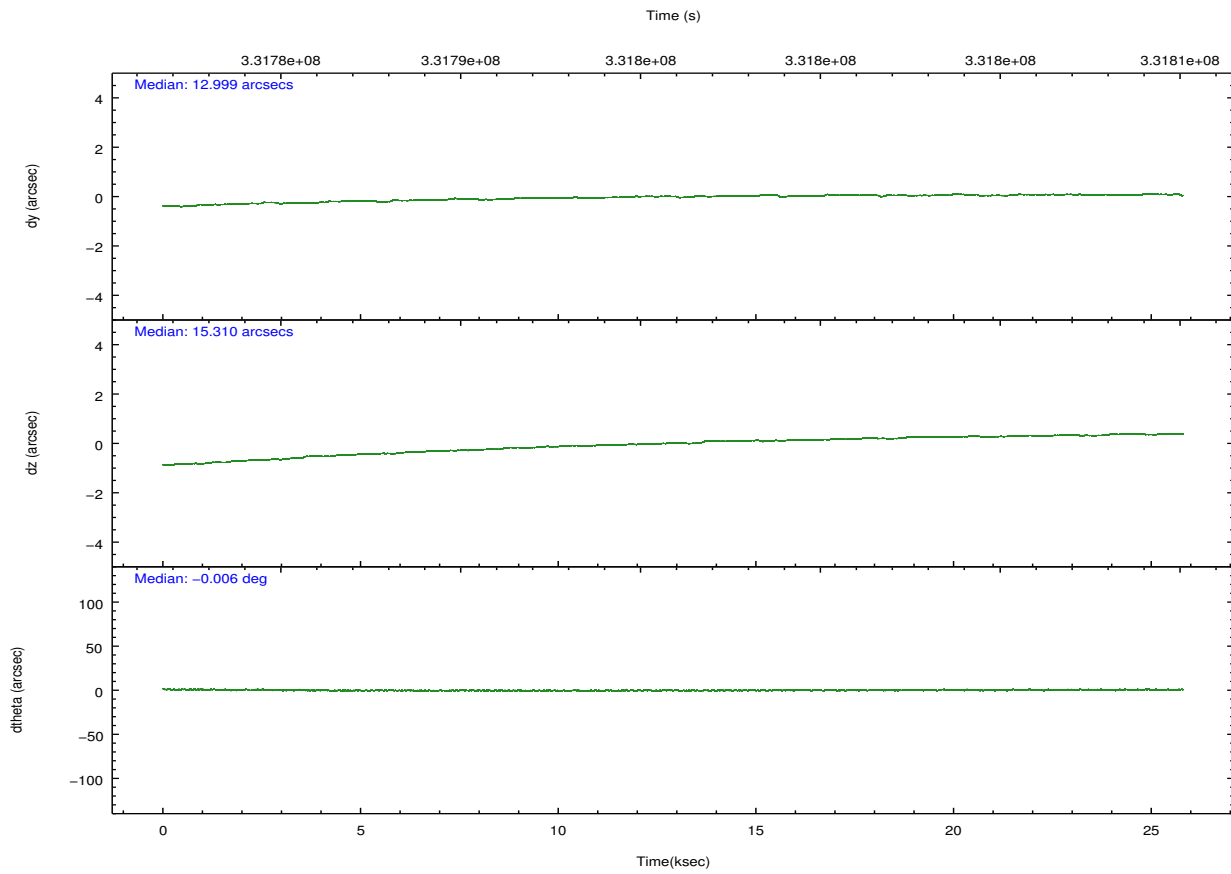
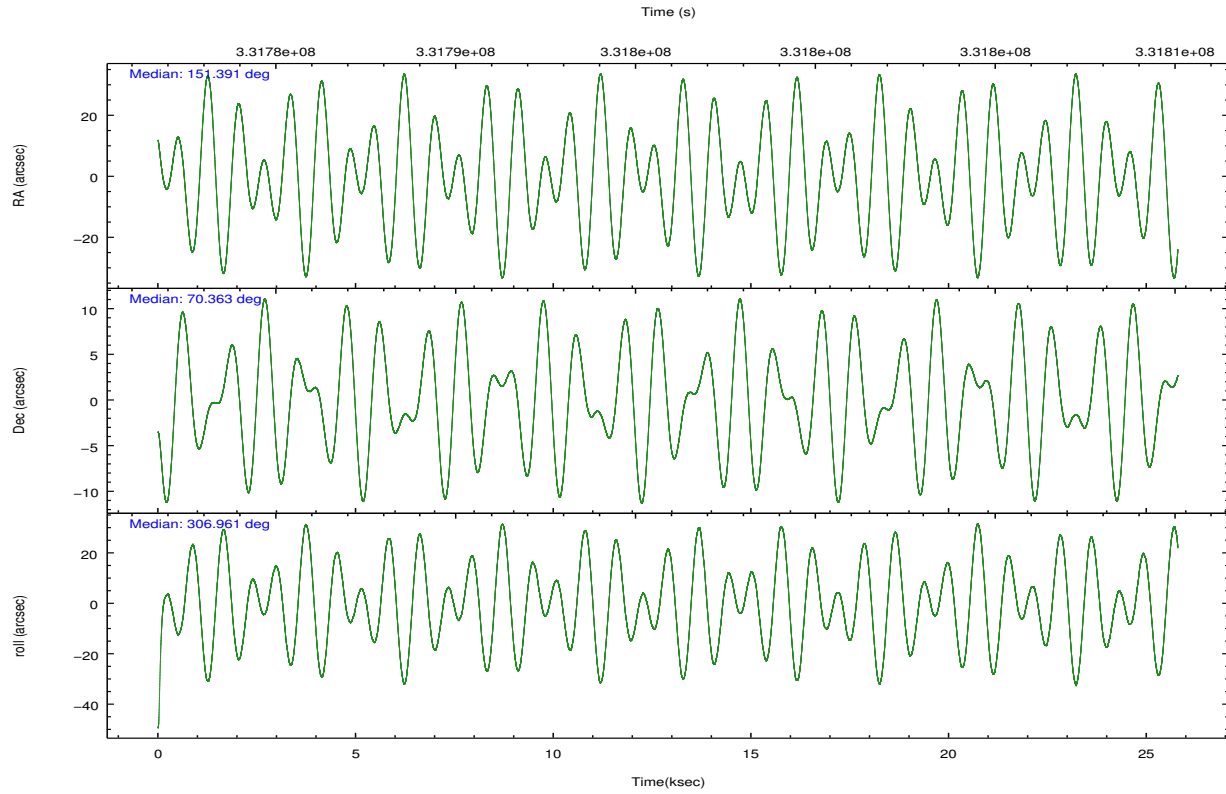
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	252230	238852	382450	247896	341902	310366	grade 0 events	13381	12409	14465	11576	12240	22663
rejected events	221718	210003	207006	218193	199128	238513		5%	5%	3%	4%	3%	7%
rejected %	87%	87%	54%	88%	58%	76%	grade 1 events	158	158	581	128	343	205
								0%	0%	0%	0%	0%	0%
							grade 2 events	6644	5715	54702	6621	29072	16199
								2%	2%	14%	2%	8%	5%
							grade 3 events	2742	2807	6391	2761	12005	7460
								1%	1%	1%	1%	3%	2%
							grade 4 events	2678	2689	5850	2747	11985	6990
								1%	1%	1%	1%	3%	2%
							grade 5 events	10312	11401	27009	11957	32401	15776
								4%	4%	7%	4%	9%	5%
							grade 6 events	5071	5233	94051	6003	77485	18545
								2%	2%	24%	2%	22%	5%
							grade 7 events	211244	198440	179401	206103	166371	222528
								83%	83%	46%	83%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	151.315585	151.3909015019896	CCD I2 on	O1	Y
[deg] Pointing Dec	70.373025	70.36266038904124	CCD I3 on	O2	Y
[deg] Pointing Roll	306.871691	306.9573591615618	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	331783509.184000	331782336.54377	CCD S5 on	N	N
Observation start date	2008-07-07T02:04:04	2008-07-07T01:45:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	331808809.184000	331809613.84511	On-chip summing requested	N	N
Observation end date	2008-07-07T09:05:44	2008-07-07T09:20:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



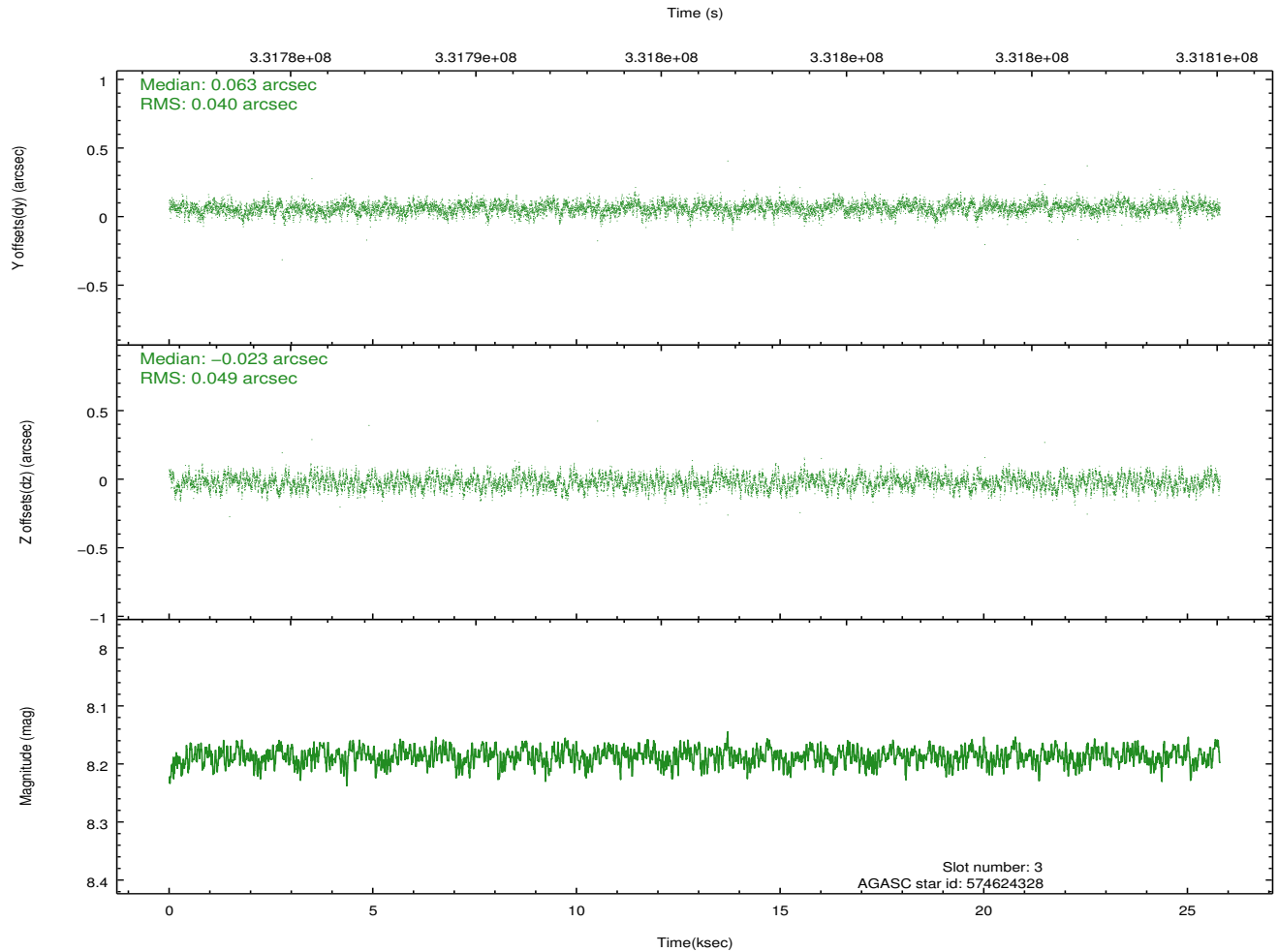
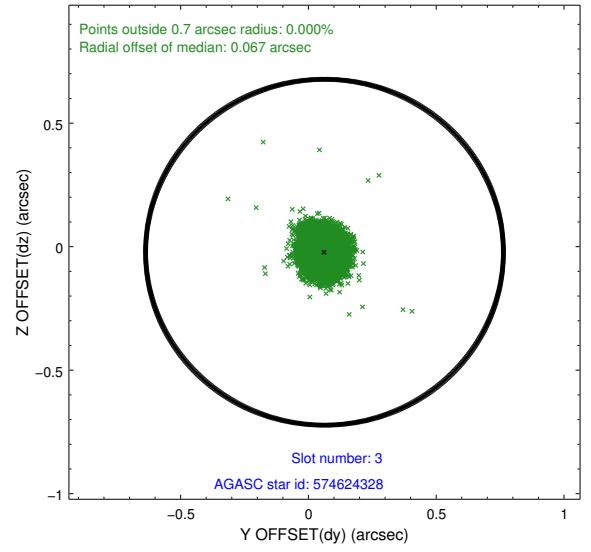
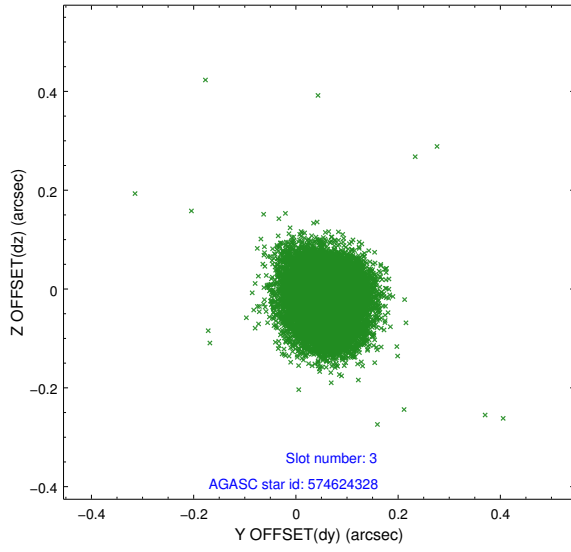


Slot Statistics

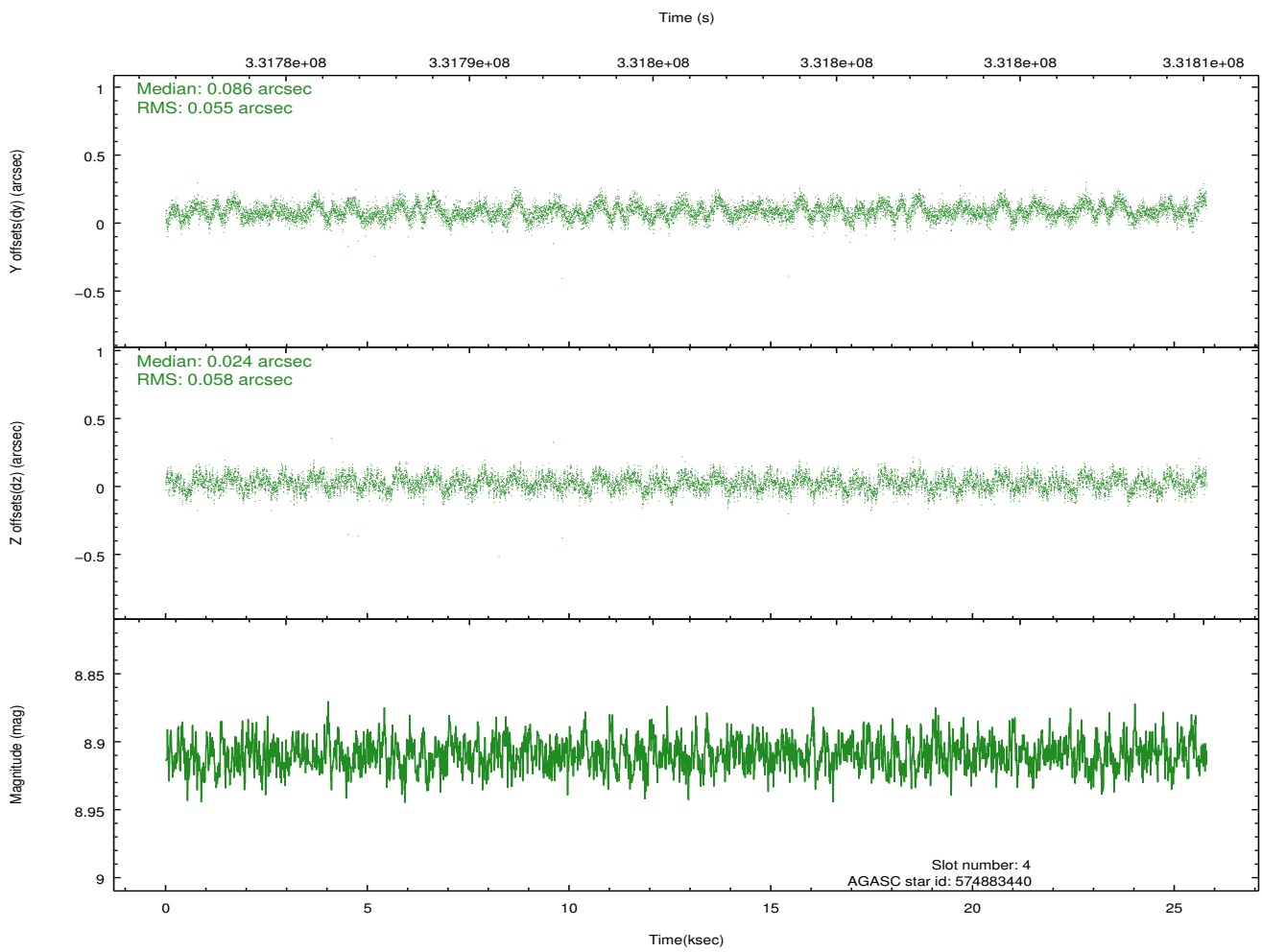
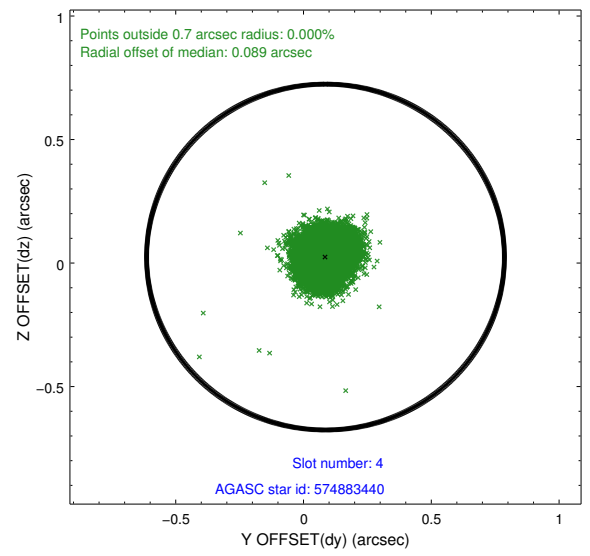
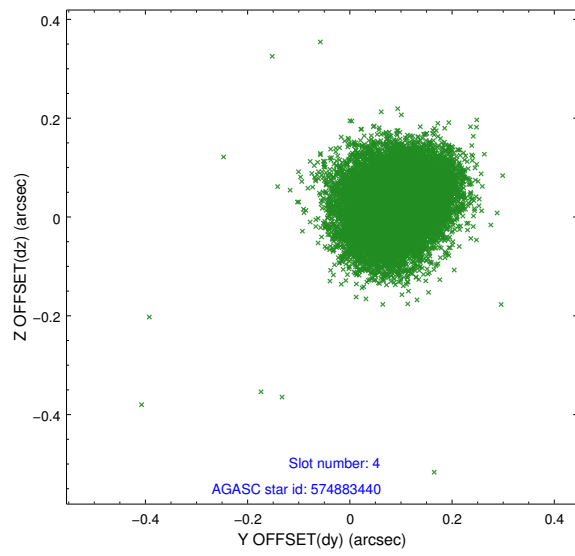
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.92	6292	0.027	-0.016	0.018	0.032	0.000000	0.000000	930.22	-1732.26
1	FID	ACIS-S-4	6.91	6292	0.091	0.004	0.012	0.028	0.000000	0.000000	2147.73	171.82
2	FID	ACIS-S-5	6.94	6292	-0.144	0.025	0.009	0.016	0.000000	0.000000	-1818.70	165.51
3	GUIDE	574624328	8.19	12583	0.063	-0.023	0.067	0.107	152.026556	69.933679	1788.44	-243.09
4	GUIDE	574883440	8.91	12576	0.086	0.024	0.086	0.133	151.250803	70.229217	367.36	-373.44
5	GUIDE	574889192	8.49	12532	-0.018	-0.057	0.078	0.123	151.097341	70.866835	-1575.75	859.42
6	GUIDE	574890696	7.93	12581	-0.122	-0.119	0.061	0.097	150.650851	70.764505	-1603.47	217.85
7	GUIDE	574891000	9.43	12572	-0.009	0.176	0.098	0.161	150.153954	70.743258	-1904.17	-295.55

2.4 Star Slots

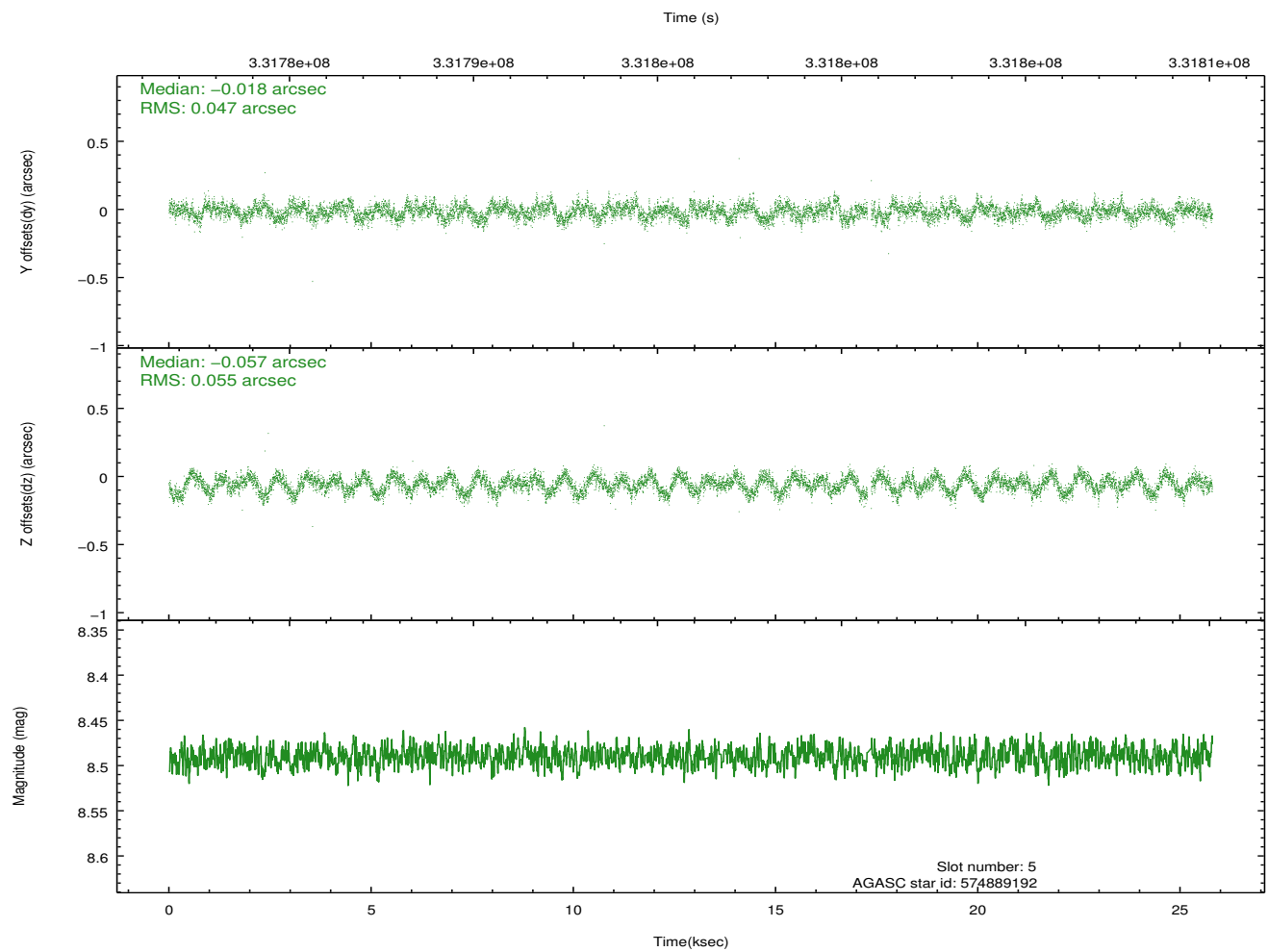
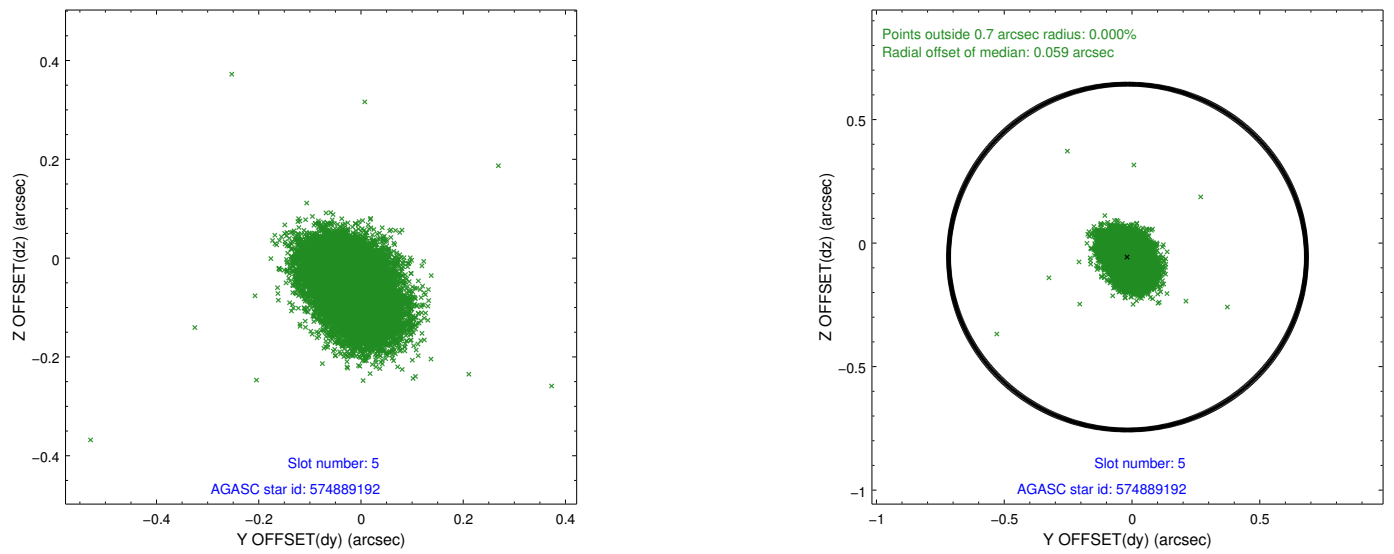
2.4.1 Slot 3



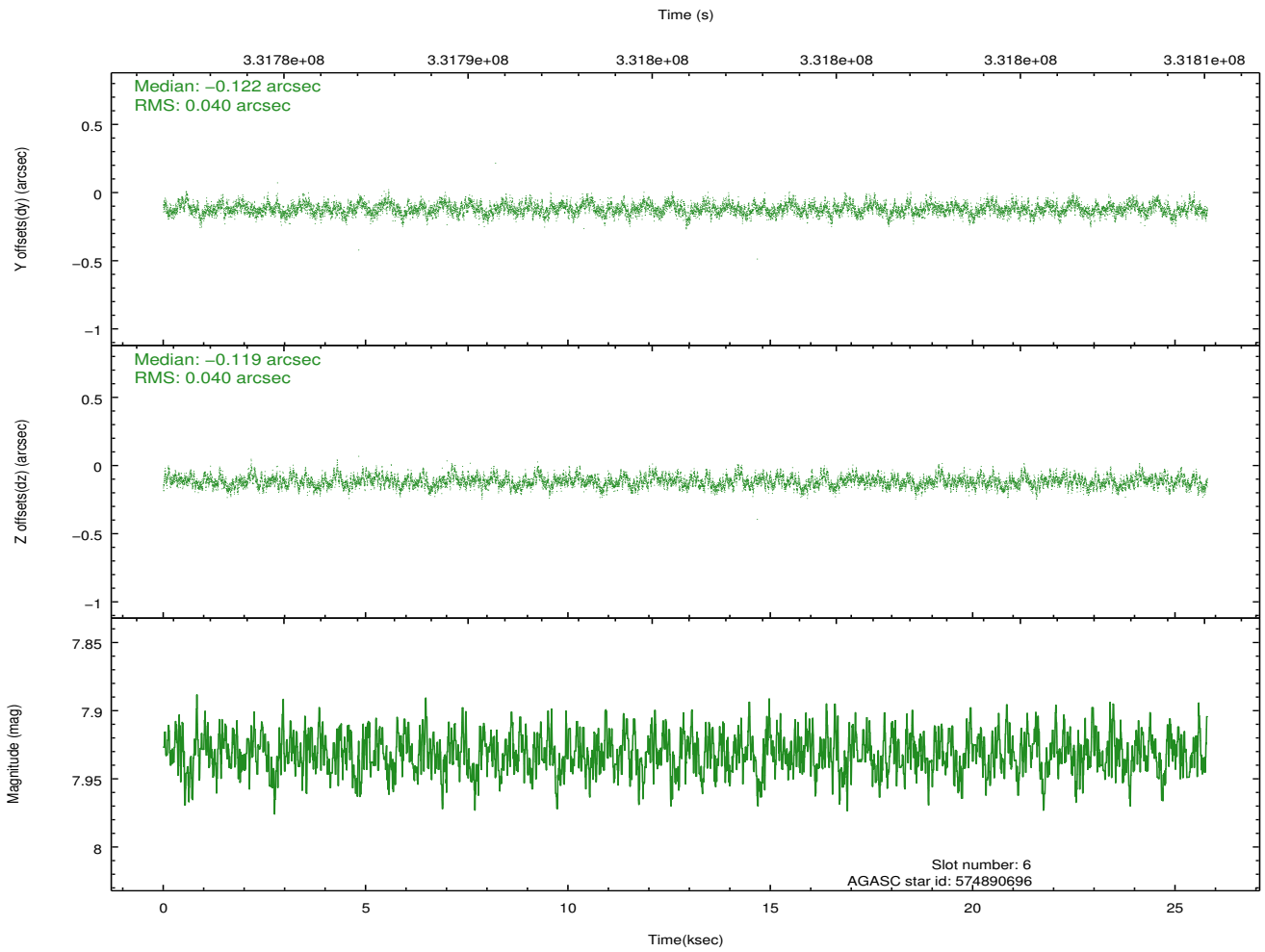
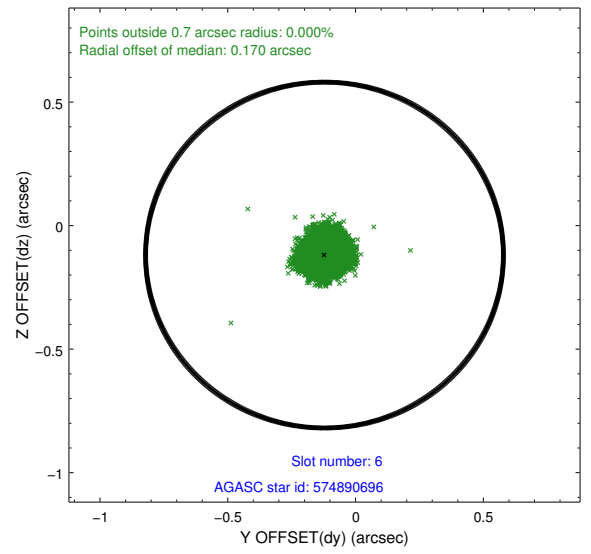
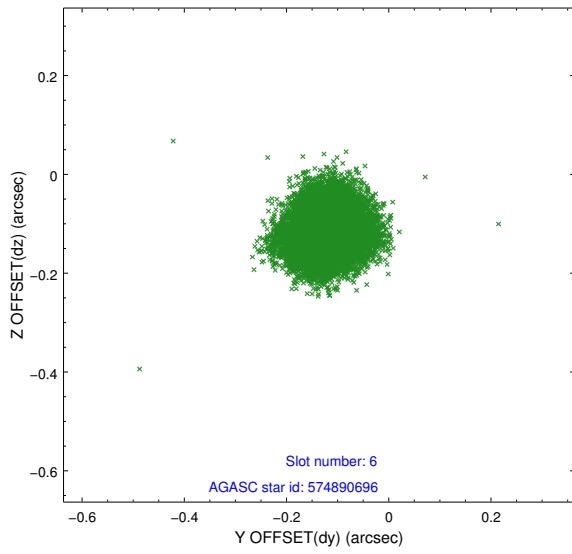
2.4.2 Slot 4



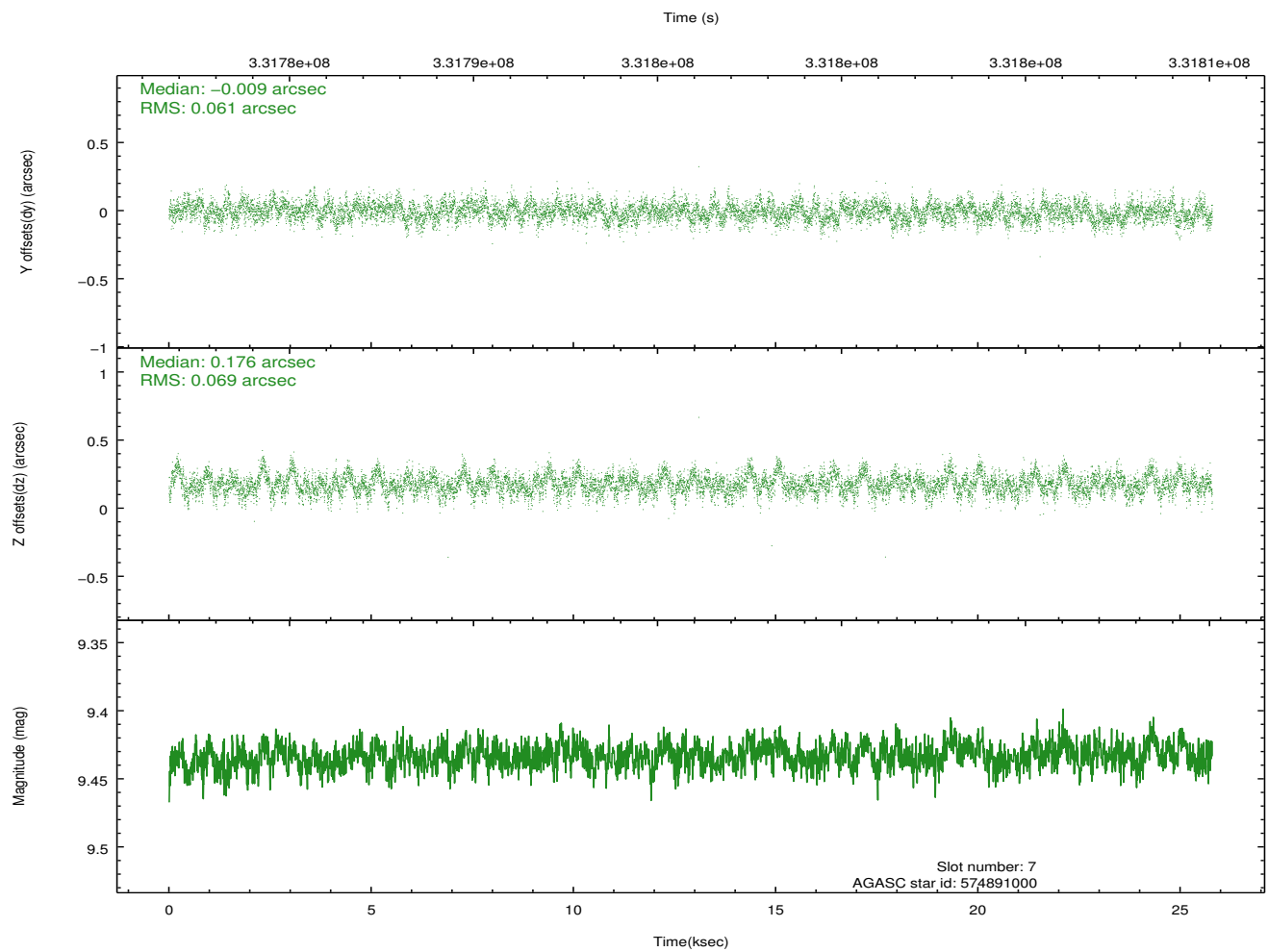
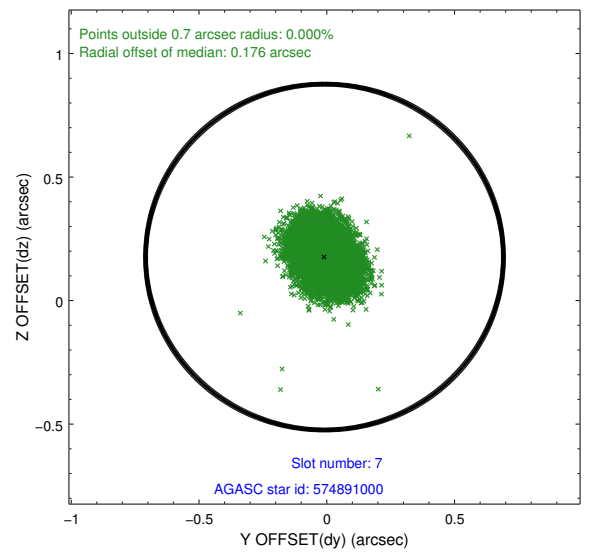
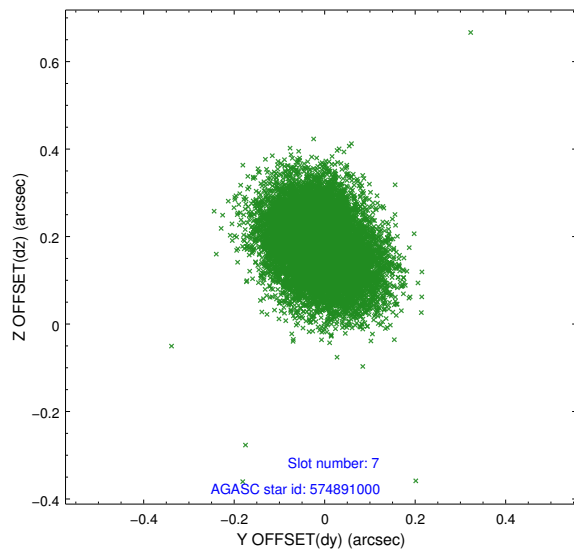
2.4.3 Slot 5



2.4.4 Slot 6

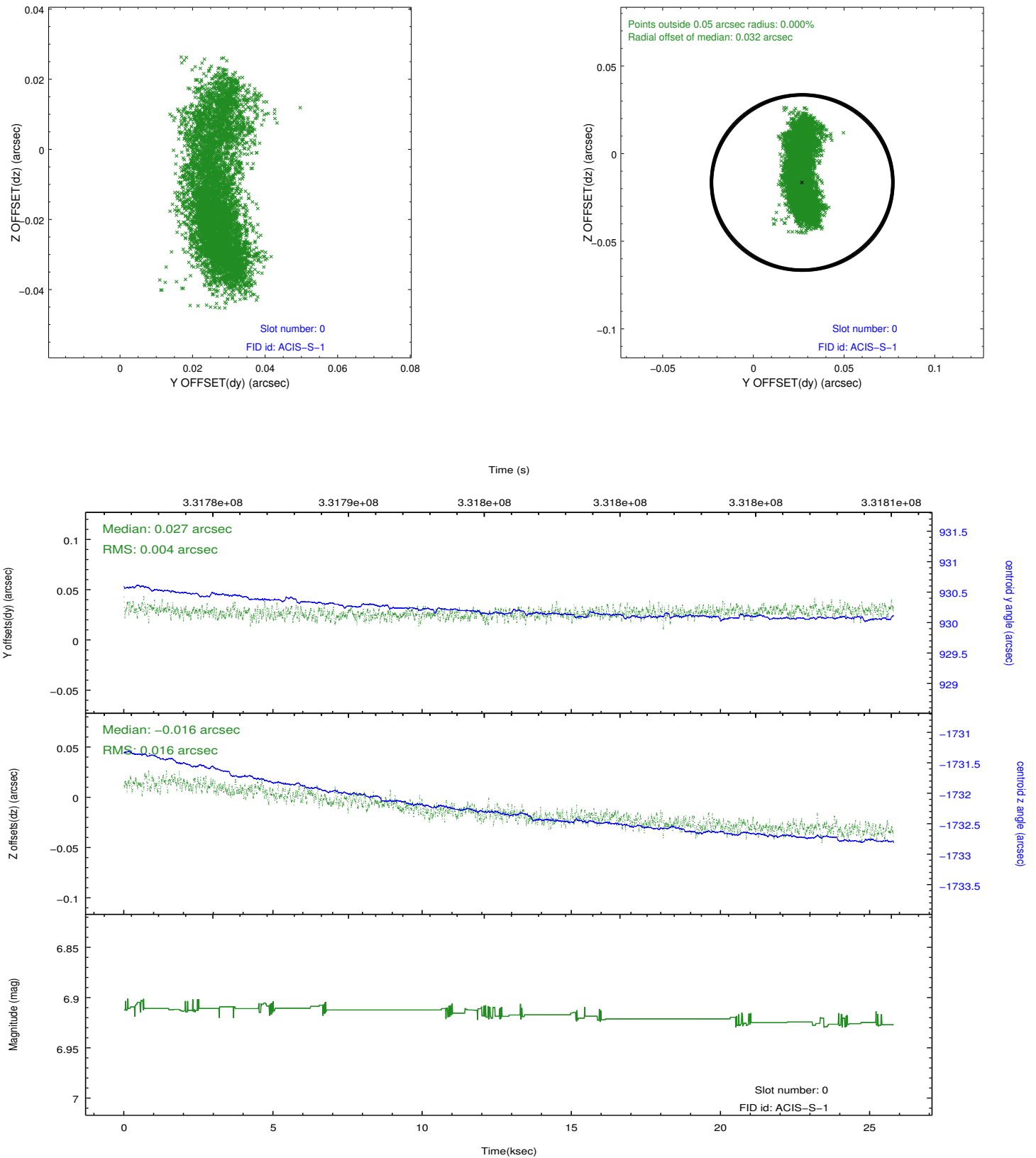


2.4.5 Slot 7

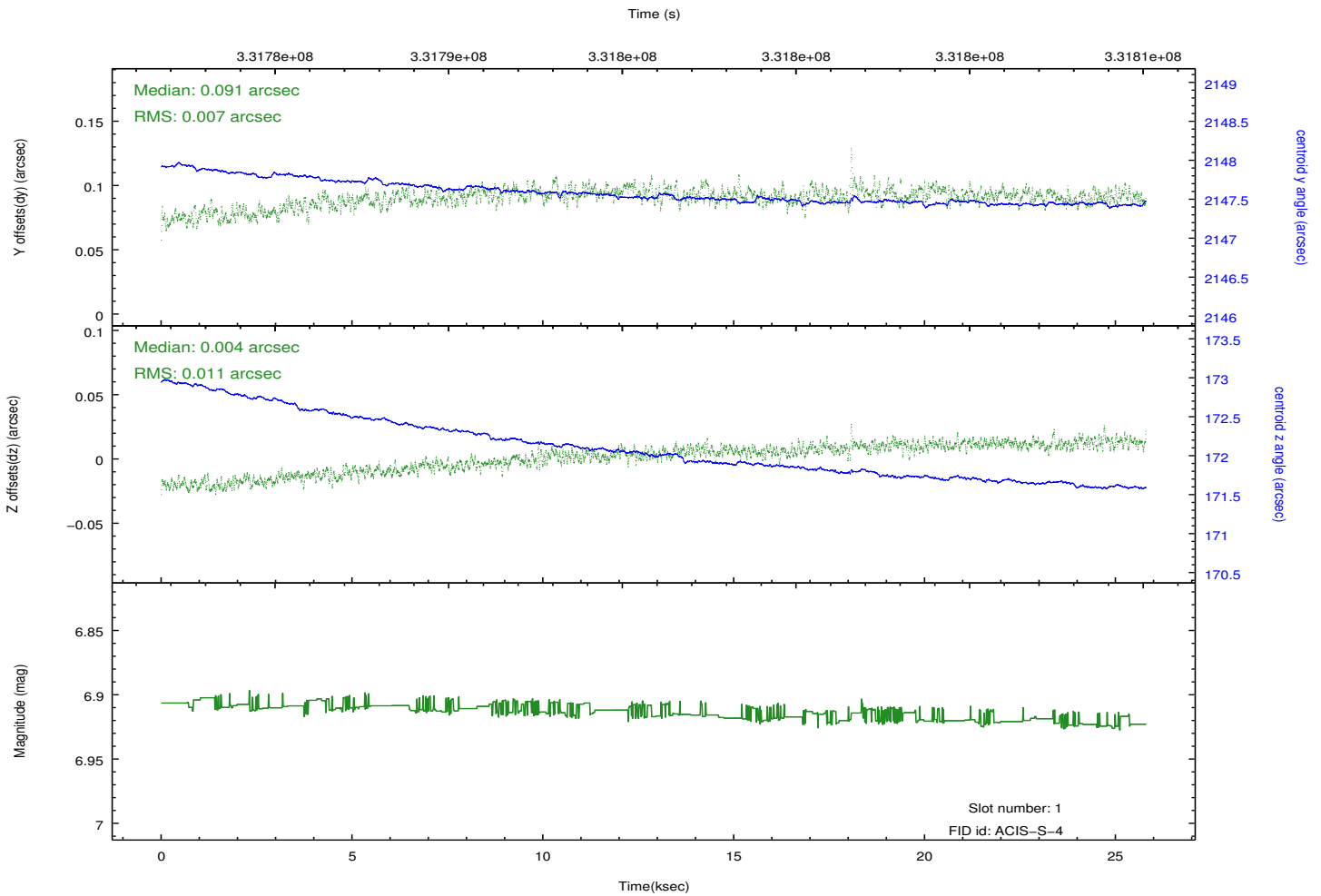
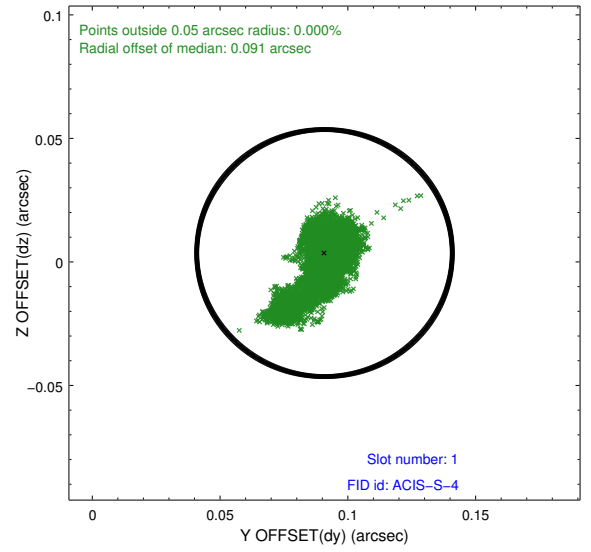
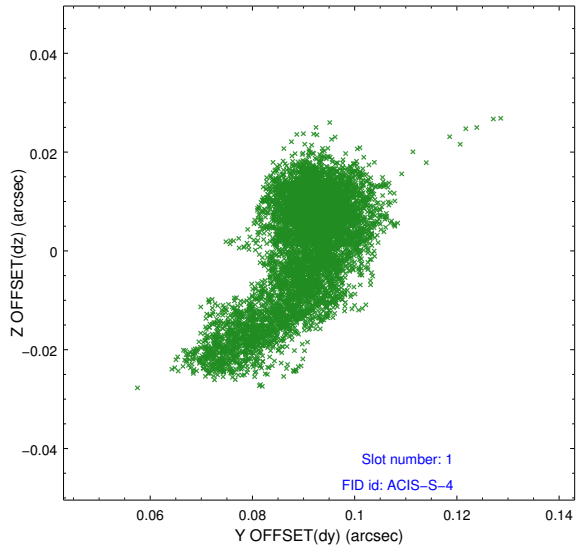


2.5 FID Slots

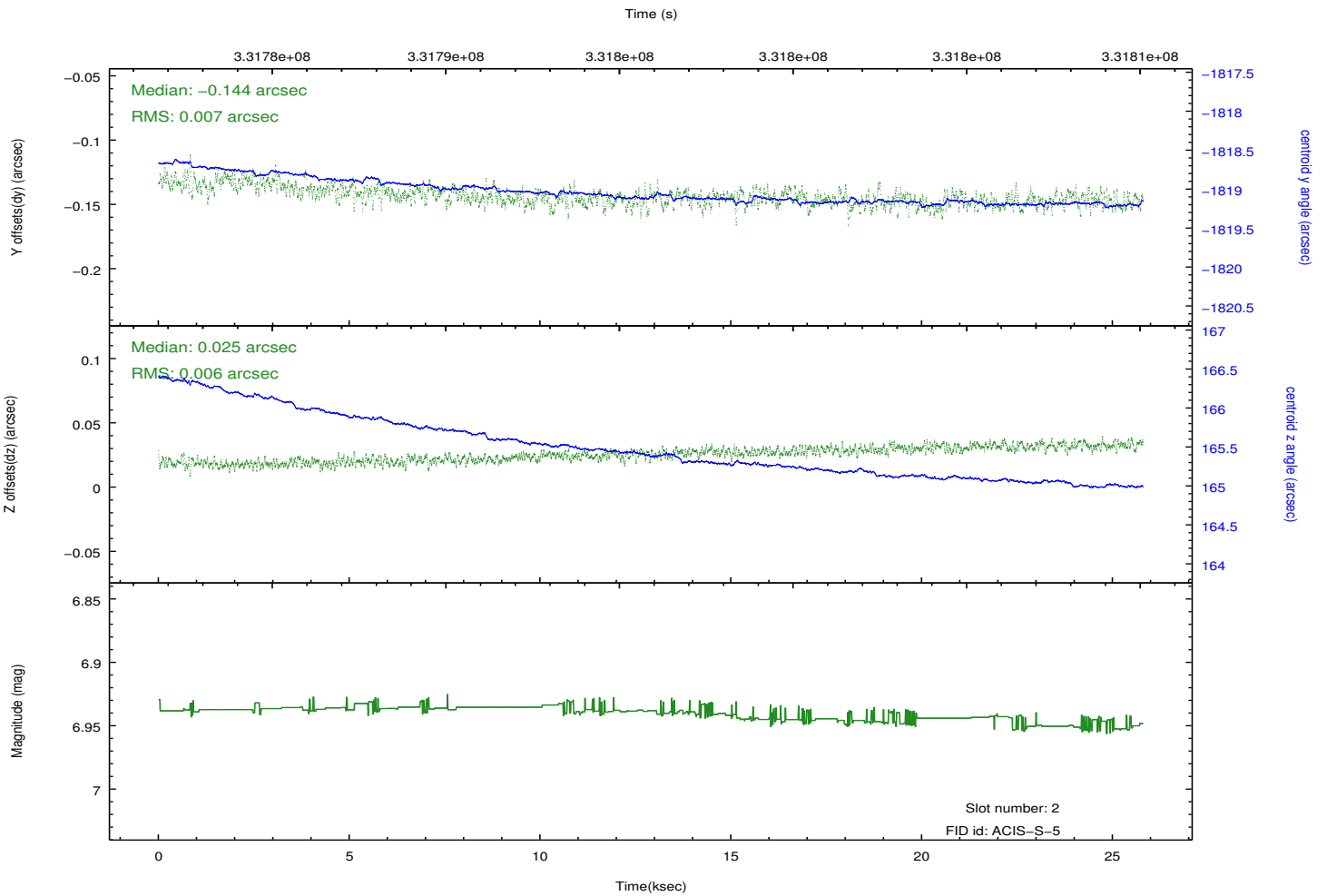
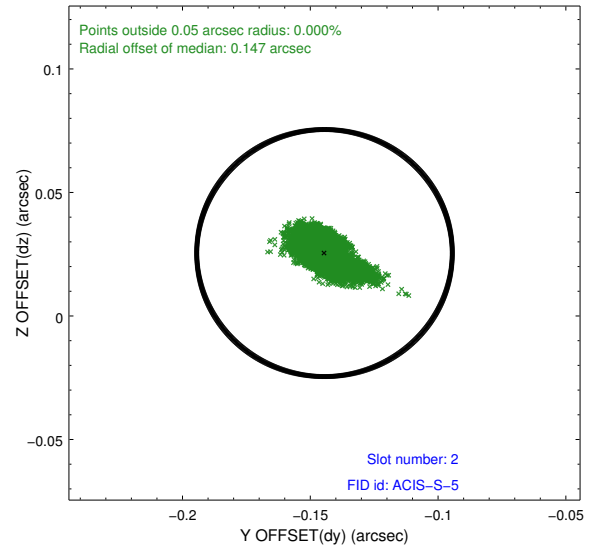
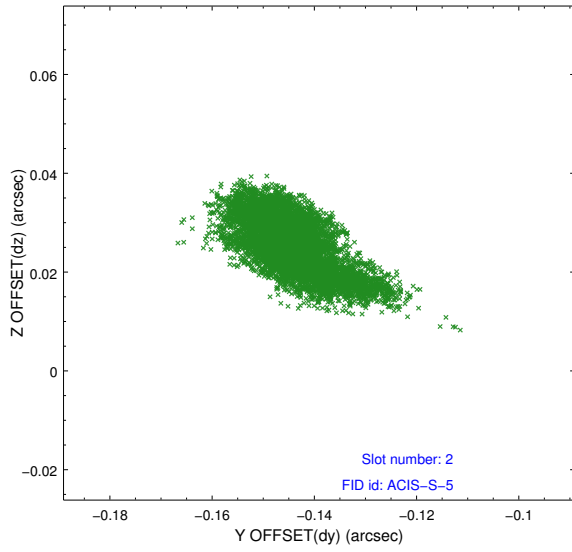
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.2543999

A.2 Comments