

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9401 - L2 Version 2
Chandra X-Ray Center

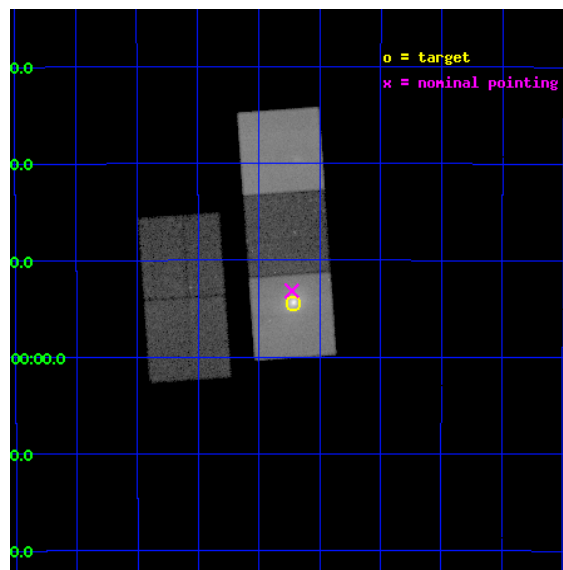
L2 Processing Date : May 7 2012

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1 Front

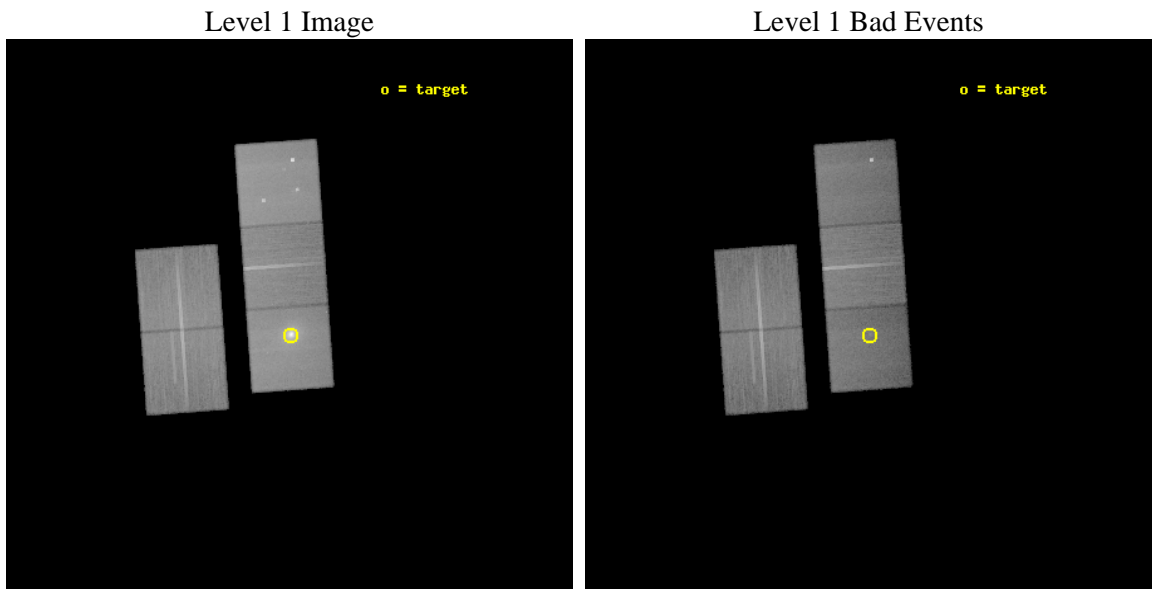
seq_num	800738	Sequence number
obs_id	9401	Observation id
title	The Link between optical nebulae and feedback in cluster cores	Pro
observer	Dr RODERICK JOHNSTONE	Principal investigator
object	RXCJ1524.2-3154	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.053463	Observer's specified target RA [deg]
dec_targ	-31.906633	Observer's specified target Dec [deg]
ra_nom	231.05716576334	Nominal RA [deg]
dec_nom	-31.88603695013	Nominal Dec [deg]
roll_nom	85.91537310982	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41453.200318813	Sum of GTIs [s]
livetime	40911.583739246	Livetime [s]
ontime2	41443.777517557	Sum of GTIs [s]
ontime3	41453.200318813	Sum of GTIs [s]
ontime5	41453.200318813	Sum of GTIs [s]
ontime6	41446.91836828	Sum of GTIs [s]
ontime7	41453.200318813	Sum of GTIs [s]
l2events	561482	Number of level 2 events



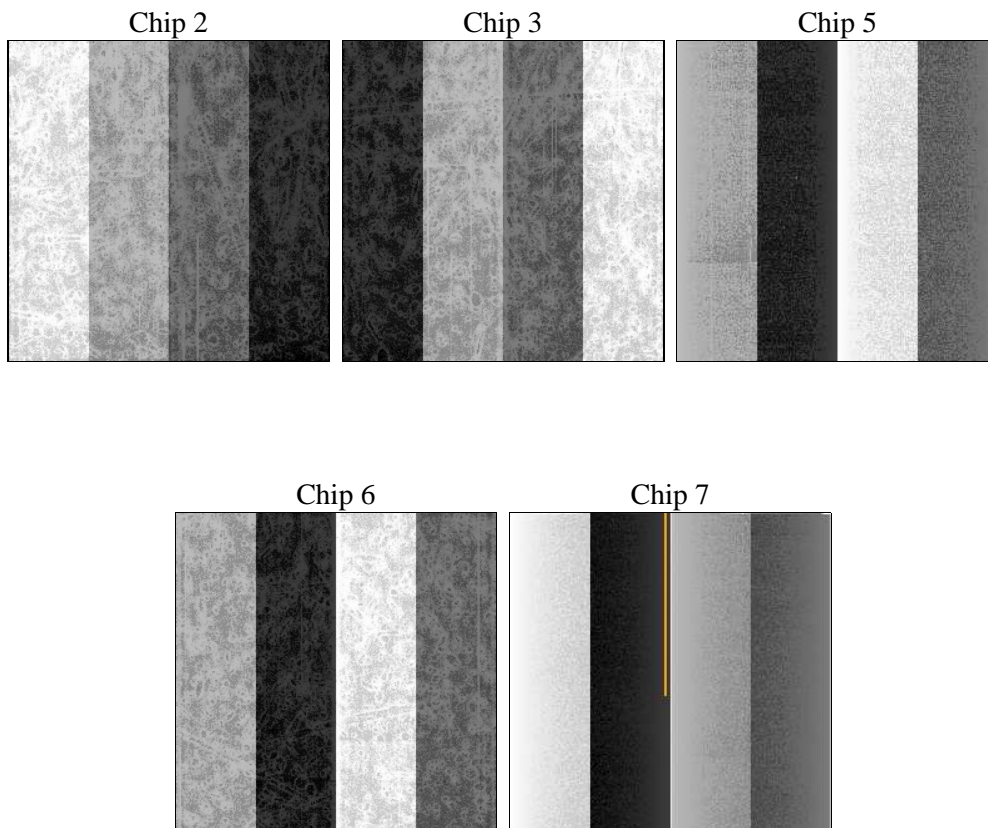
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41421.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	41453.200318813	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	41443.777517557	Sum of GTIs [s]
date	2012-05-07T18:22:00	Date and time of file creation	ontime3	41453.200318813	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	41453.200318813	Sum of GTIs [s]
			ontime6	41446.91836828	Sum of GTIs [s]
			ontime7	41453.200318813	Sum of GTIs [s]
			l1events	1904374	Number of level 1 events

2.1.4 Events

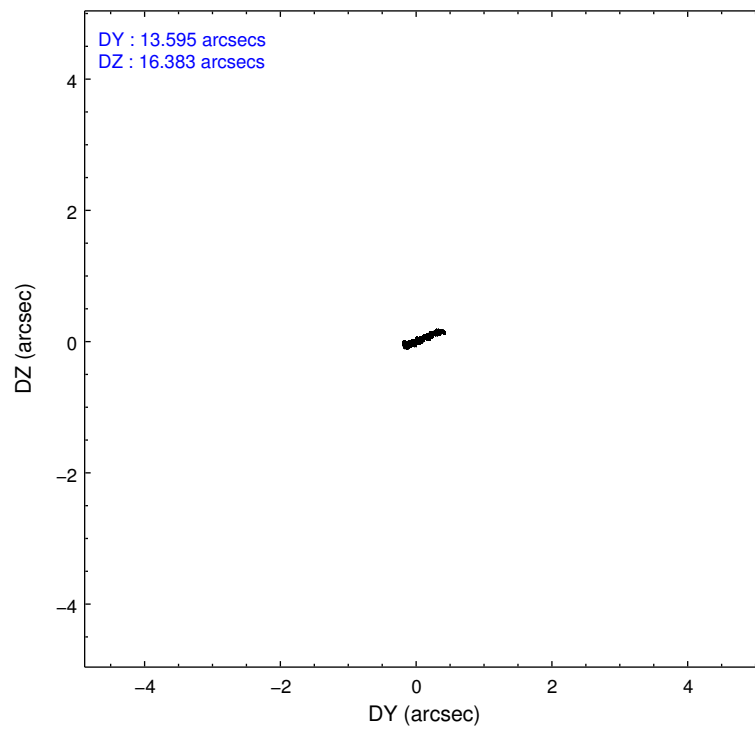
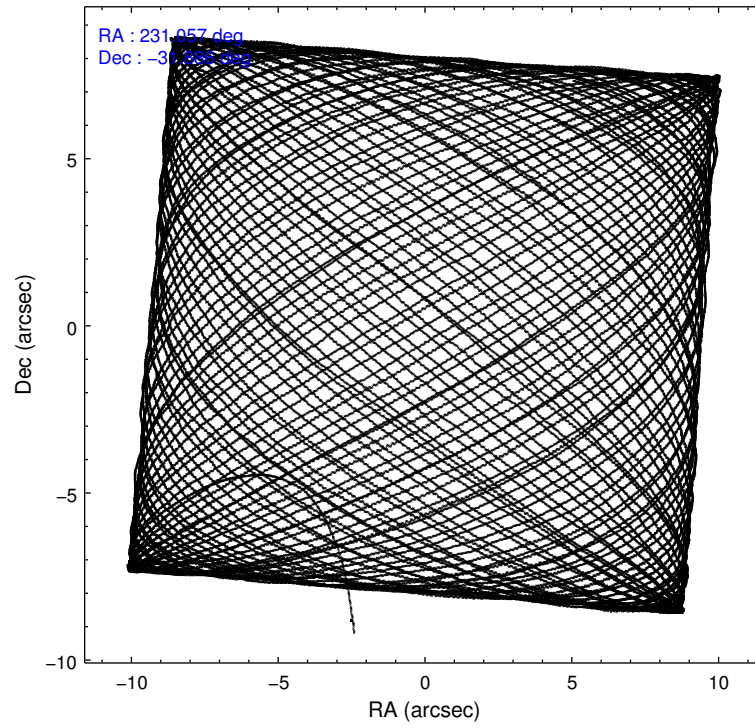
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	335858	315670	466341	323875	462630
rejected events	303194	284258	233514	285817	199783
rejected %	90%	90%	50%	88%	43%

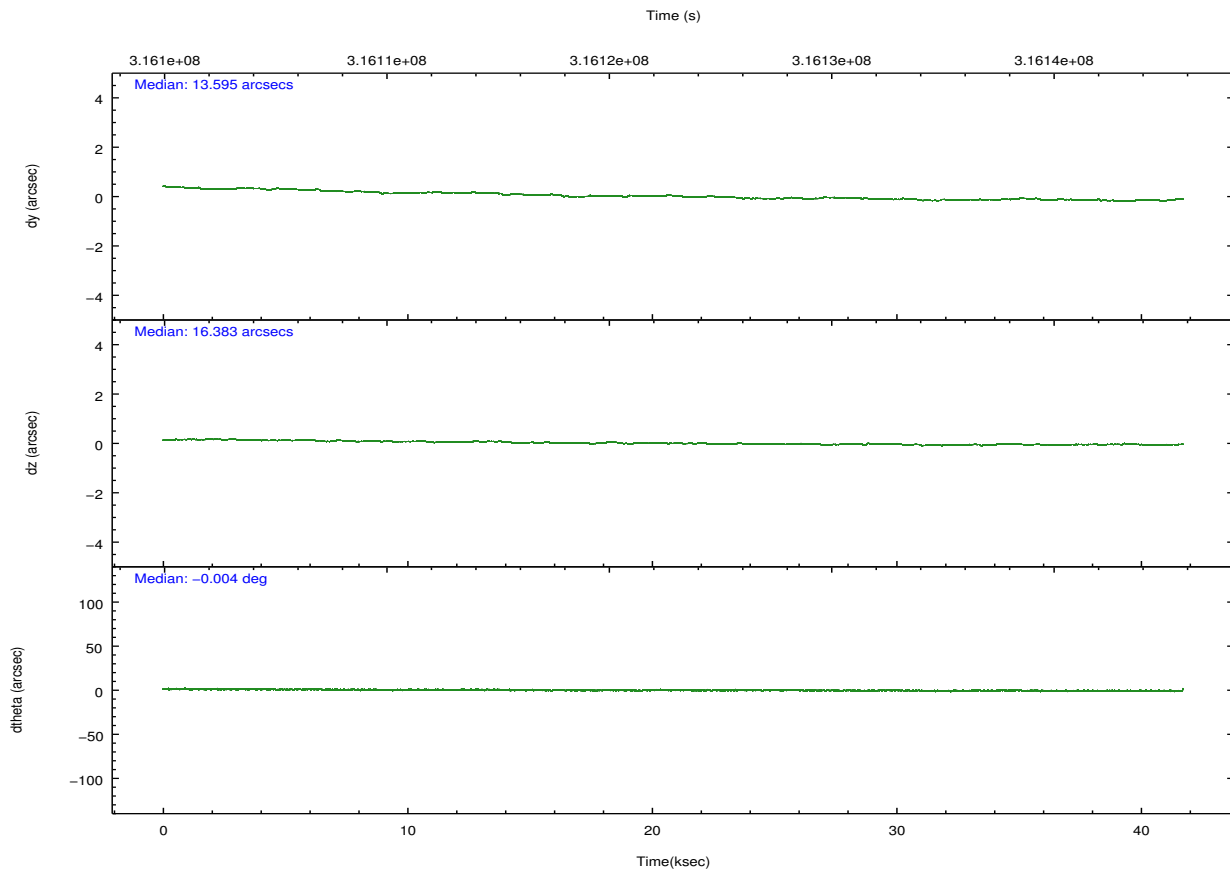
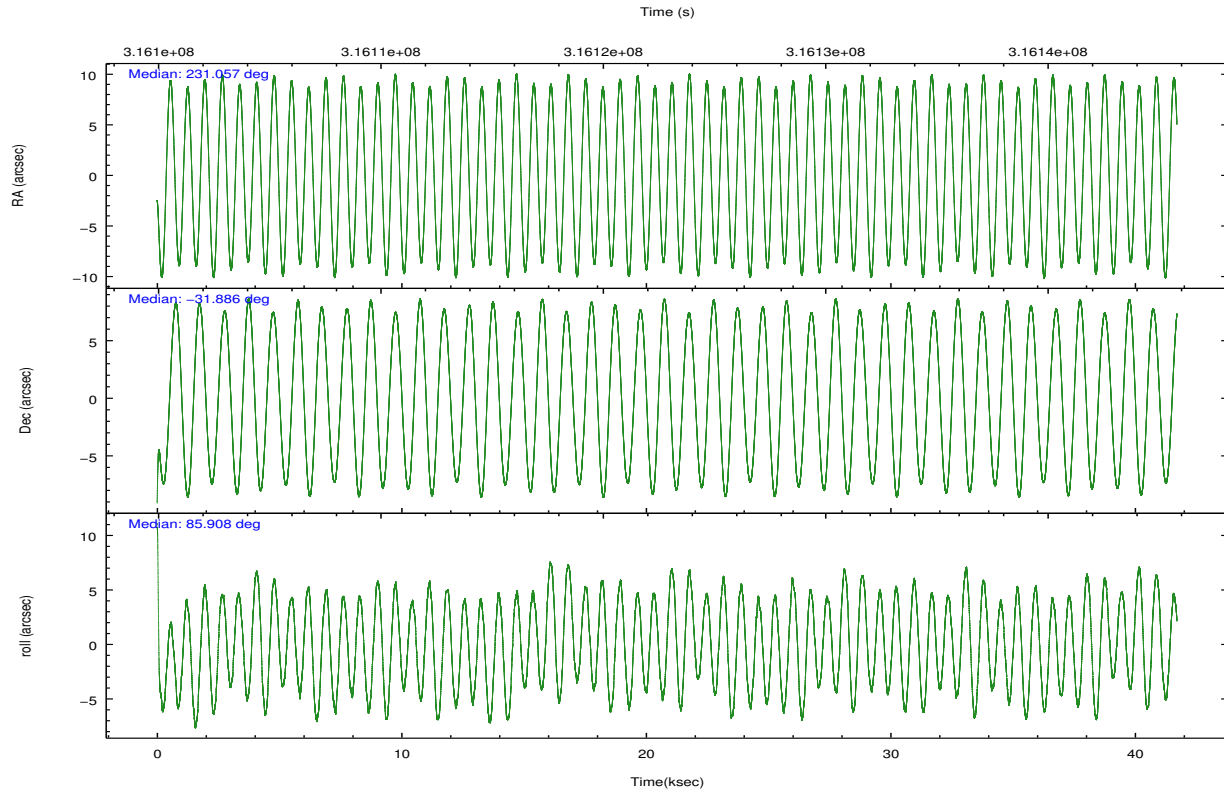
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	12289	11698	24232	15312	44215
	3%	3%	5%	4%	9%
grade 1 events	192	172	845	187	495
	0%	0%	0%	0%	0%
grade 2 events	7588	6616	71406	8013	59888
	2%	2%	15%	2%	12%
grade 3 events	3391	3435	10097	3721	26413
	1%	1%	2%	1%	5%
grade 4 events	3588	3558	9235	3762	26093
	1%	1%	1%	1%	5%
grade 5 events	10559	13228	37824	13249	38822
	3%	4%	8%	4%	8%
grade 6 events	5809	6108	117877	7253	106266
	1%	1%	25%	2%	22%
grade 7 events	292442	270855	194825	272378	160438
	87%	85%	41%	84%	34%

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	231.071642	231.0571657633397	CCD I2 on	O1	Y
[deg] Pointing Dec	-31.910449	-31.88603695012959	CCD I3 on	O2	Y
[deg] Pointing Roll	85.766395	85.91537310981998	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	O3	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)	316102293.184000	316101313.31792	CCD S5 on	N	N
Observation start date	2008-01-07T14:10:28	2008-01-07T13:55:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	316143714.184000	316144750.25752	On-chip summing requested	N	N
Observation end date	2008-01-08T01:40:49	2008-01-08T01:59:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



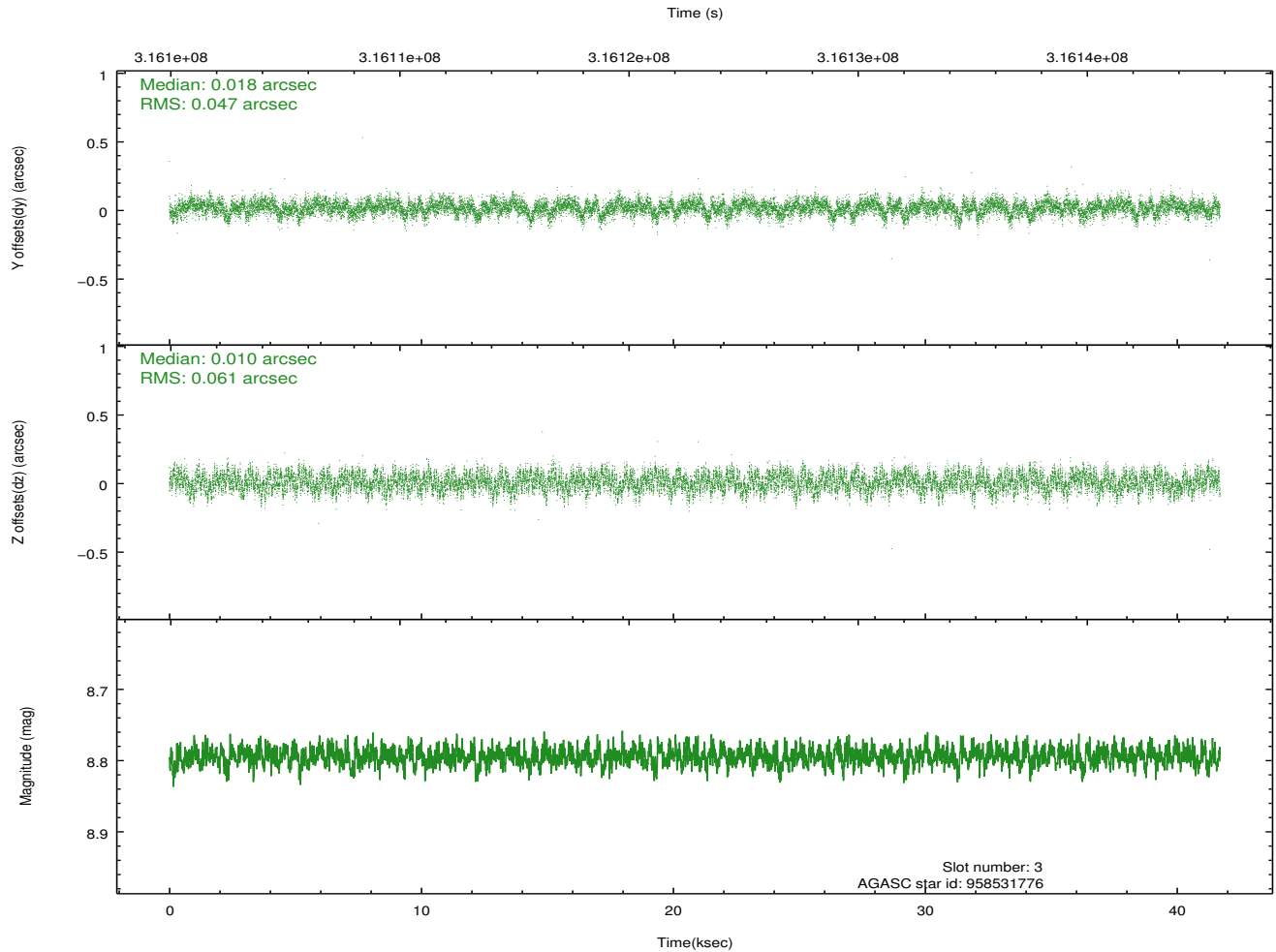
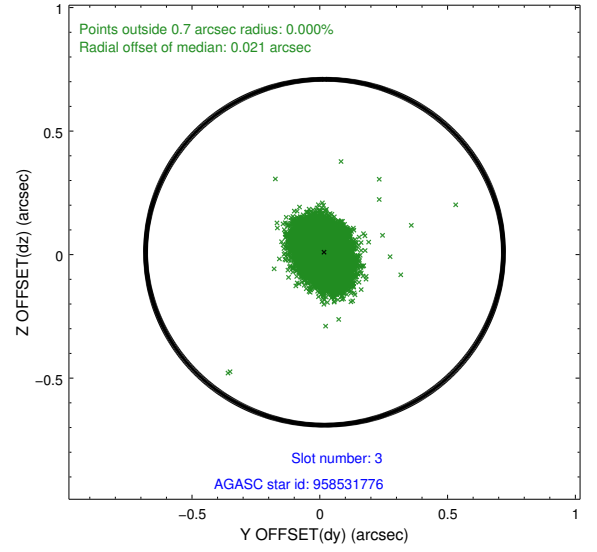
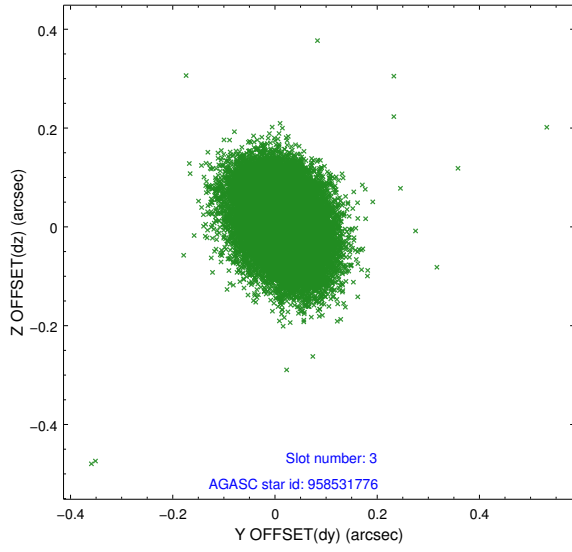


Slot Statistics

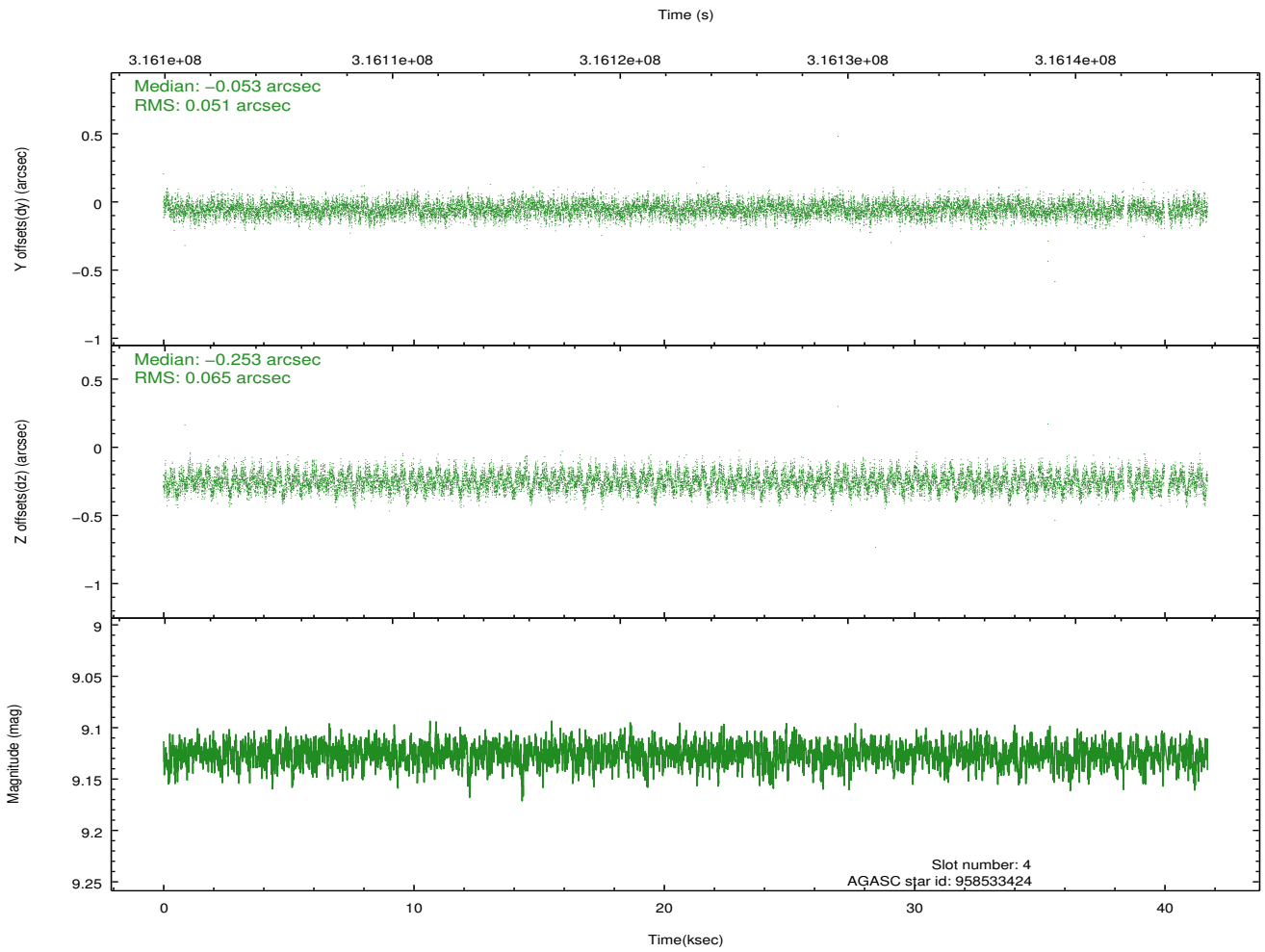
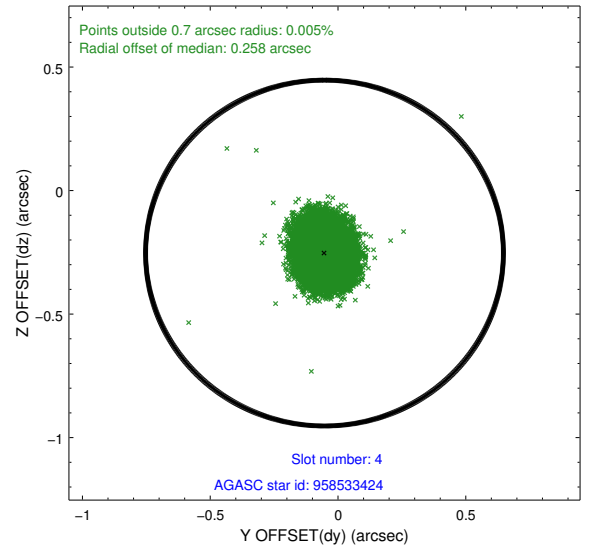
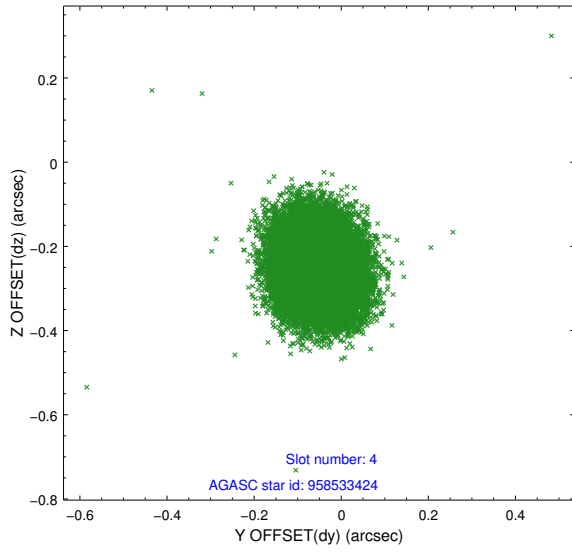
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	10173	-0.044	-0.033	0.008	0.013	0.000000	0.000000	-766.61	-1737.80
1	FID	ACIS-S-4	7.18	10172	0.175	0.030	0.009	0.016	0.000000	0.000000	2146.88	170.73
2	FID	ACIS-S-5	7.22	10172	-0.163	0.011	0.007	0.013	0.000000	0.000000	-1819.56	164.40
3	GUIDE	958531776	8.79	20338	0.018	0.010	0.081	0.132	231.179959	-31.754238	585.54	-289.36
4	GUIDE	958533424	9.13	20188	-0.053	-0.253	0.088	0.140	230.511418	-31.536039	1212.85	1813.54
5	GUIDE	958542800	7.54	20343	-0.073	0.063	0.073	0.119	231.613200	-31.320680	2236.50	-1504.13
6	BAD	959057480	5.37	12717	0.015	-0.045	0.054	0.089	230.536590	-32.189635	-1126.51	1550.73
7	GUIDE	959194336	9.56	20315	0.104	0.208	0.136	0.223	231.862200	-32.087542	-465.83	-2452.14

2.4 Star Slots

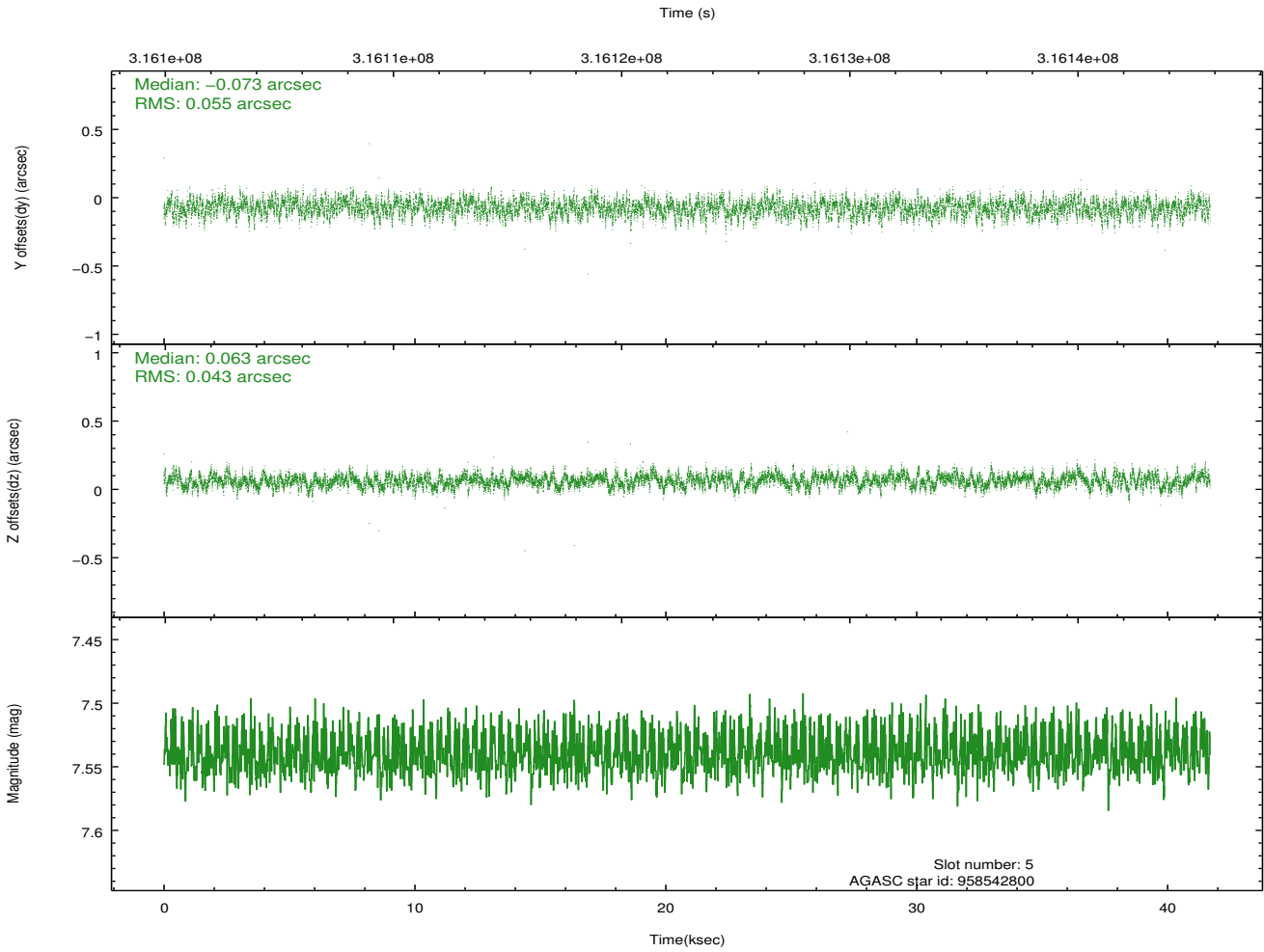
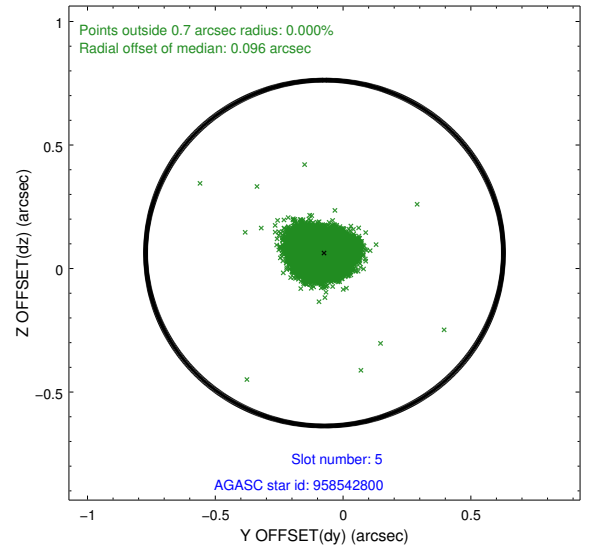
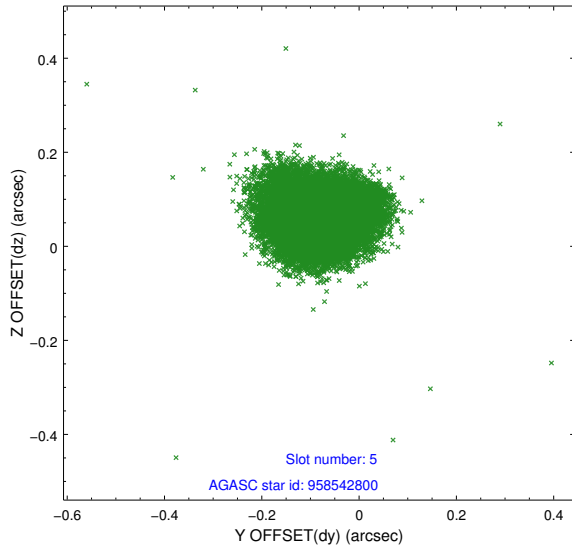
2.4.1 Slot 3



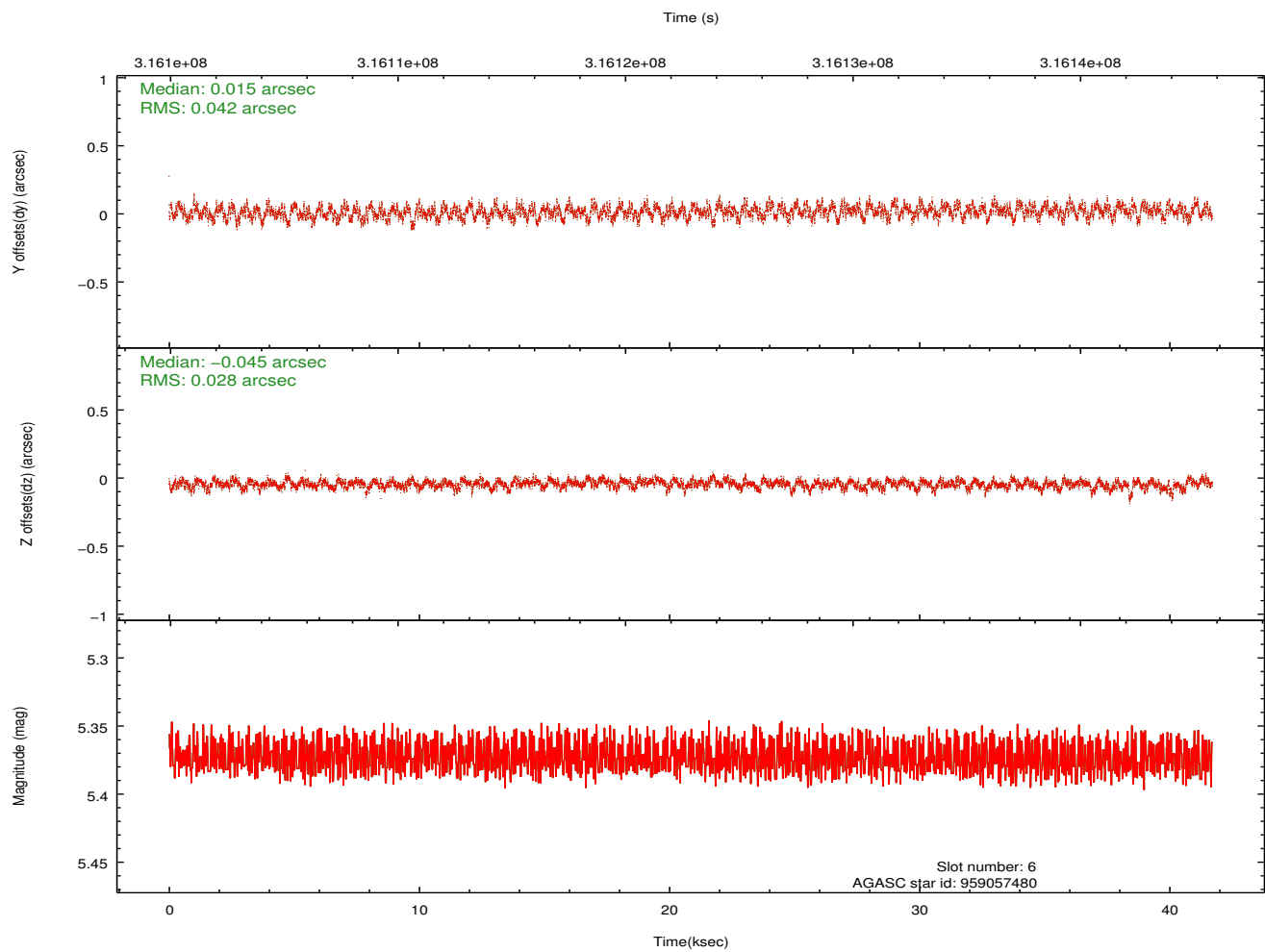
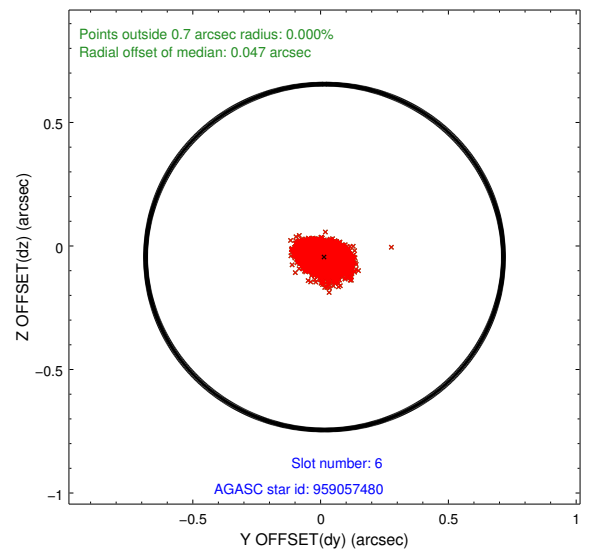
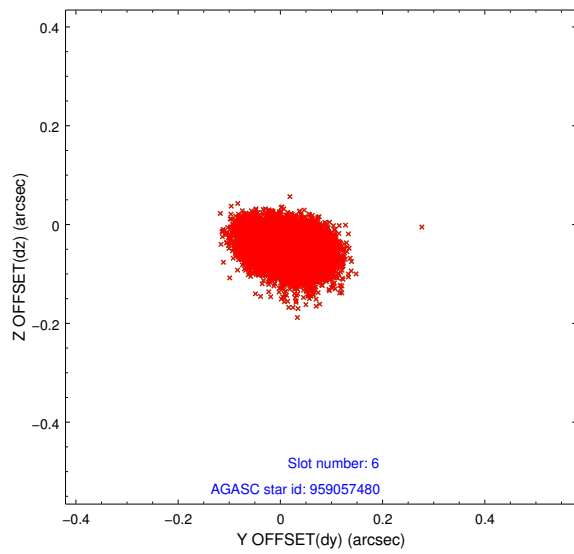
2.4.2 Slot 4



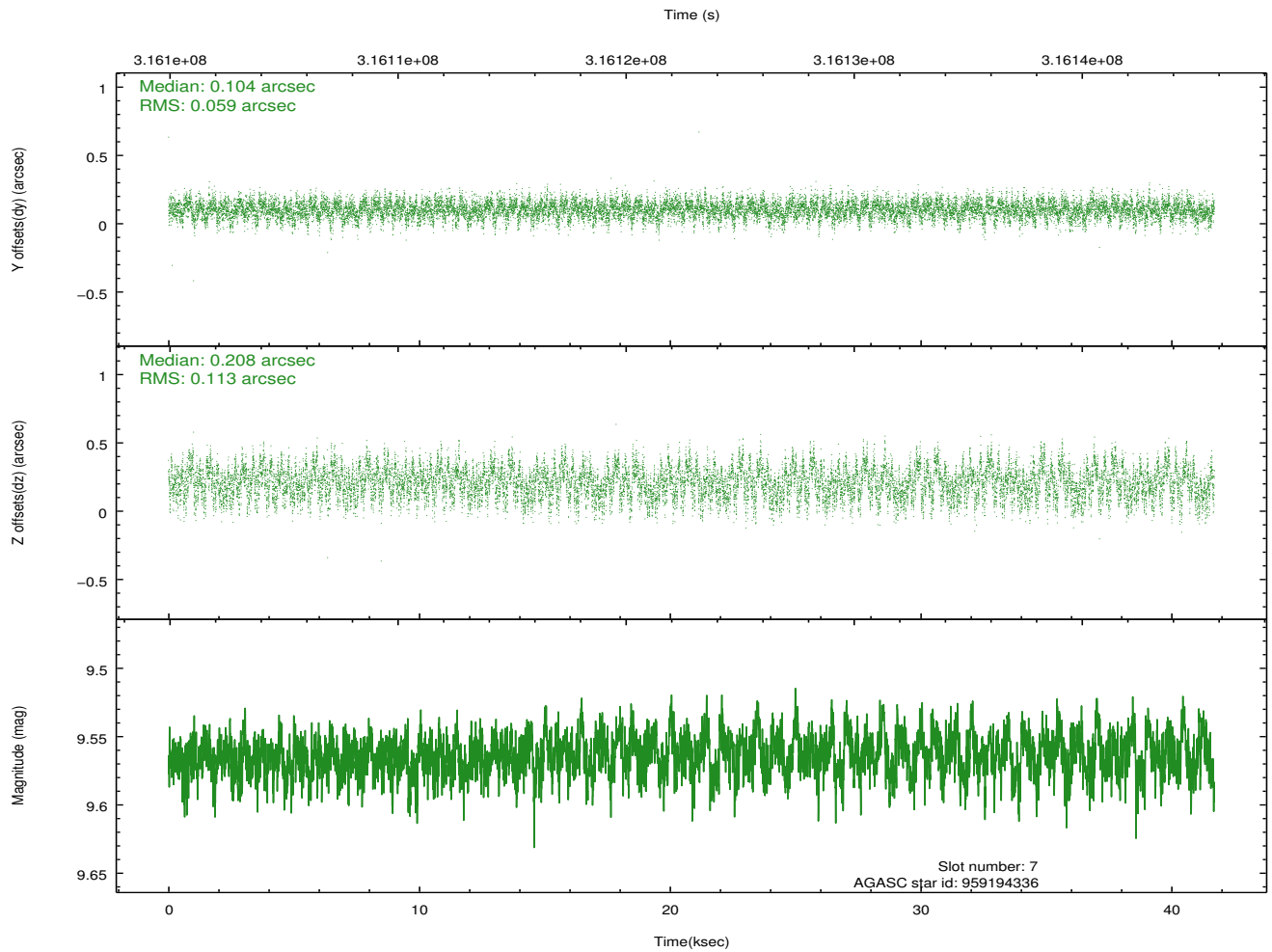
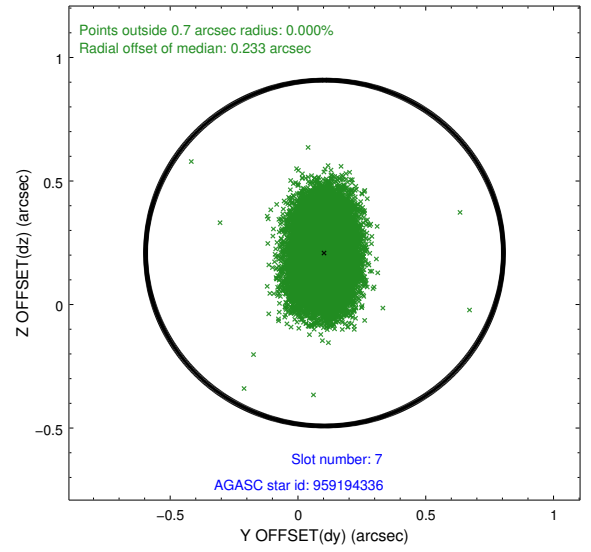
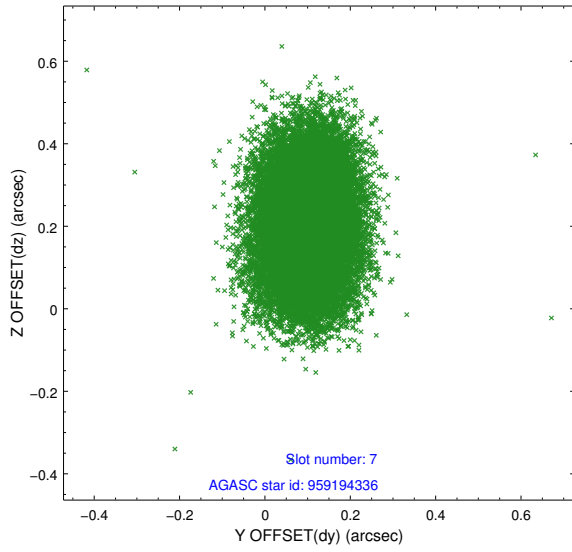
2.4.3 Slot 5



2.4.4 Slot 6

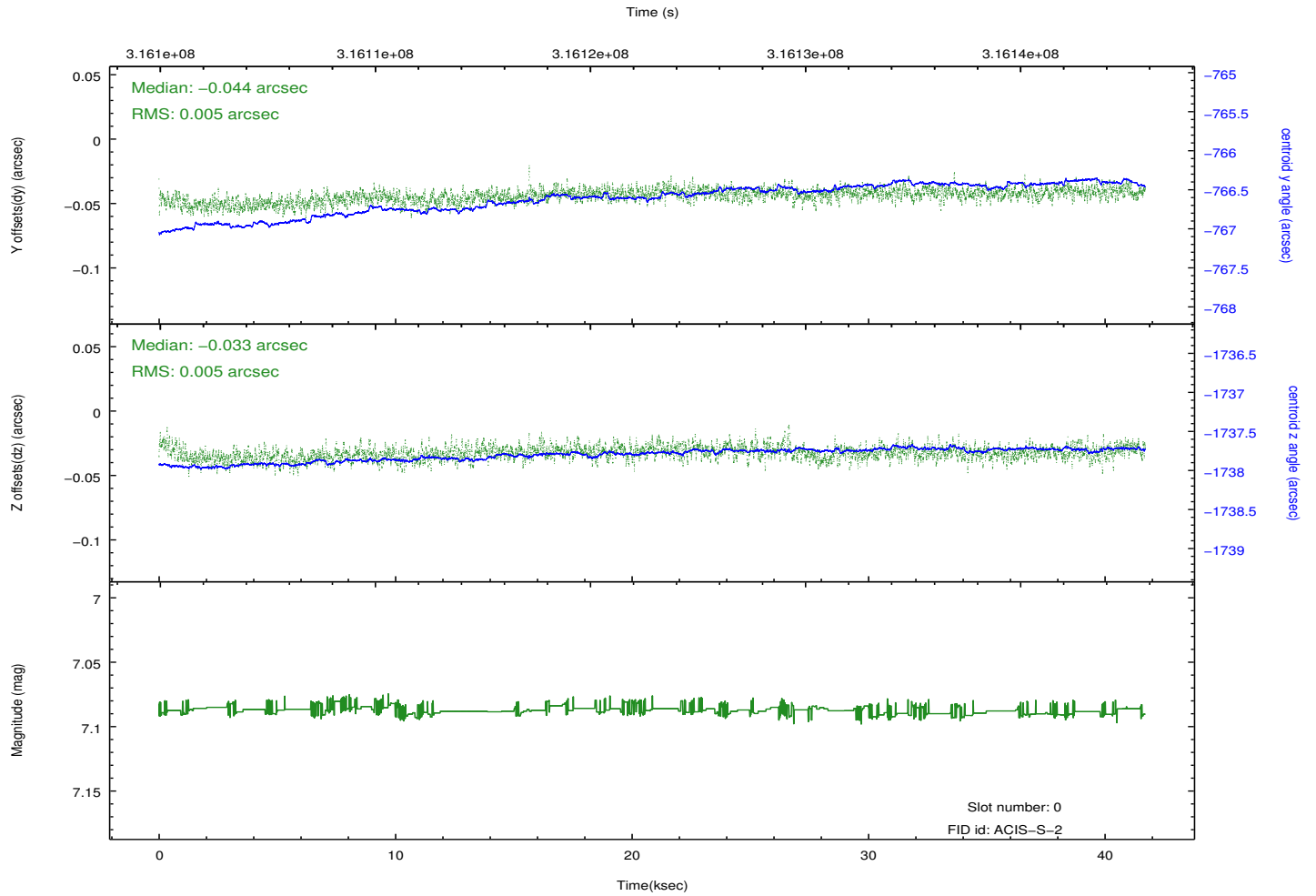
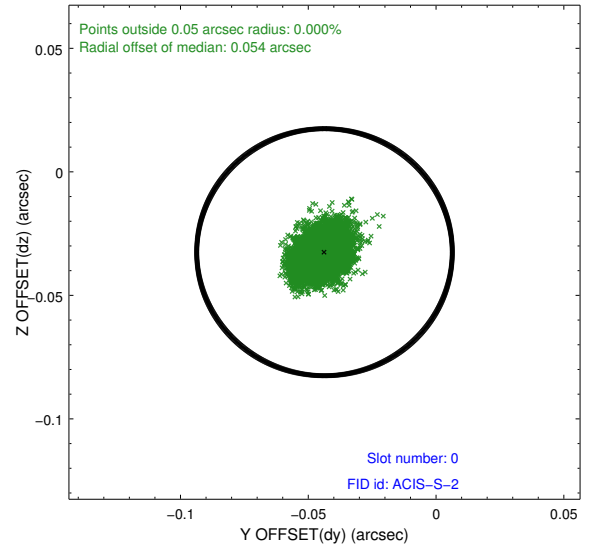
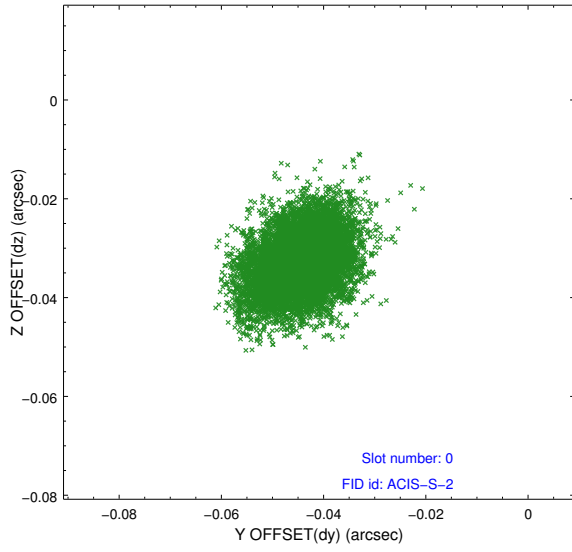


2.4.5 Slot 7

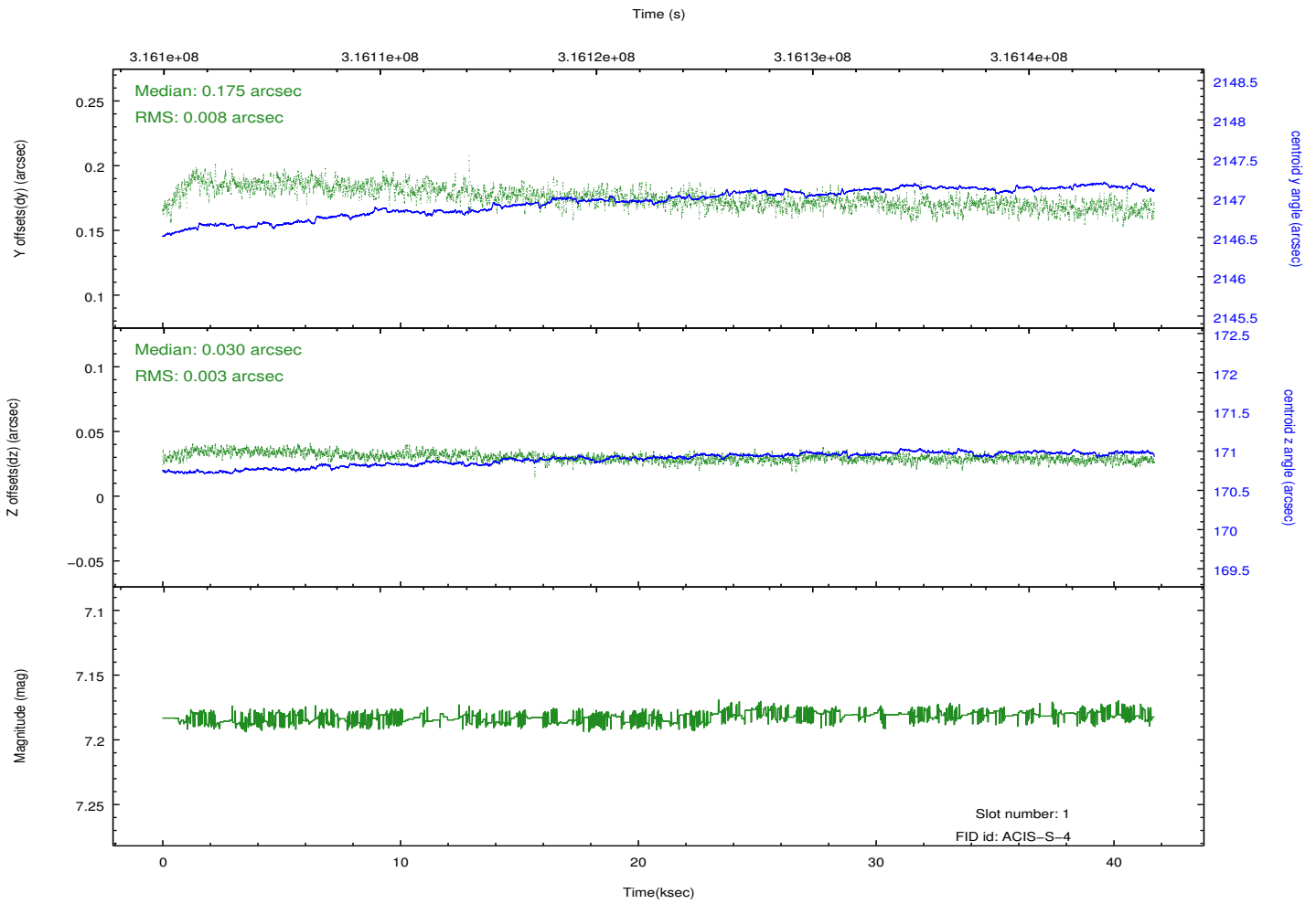
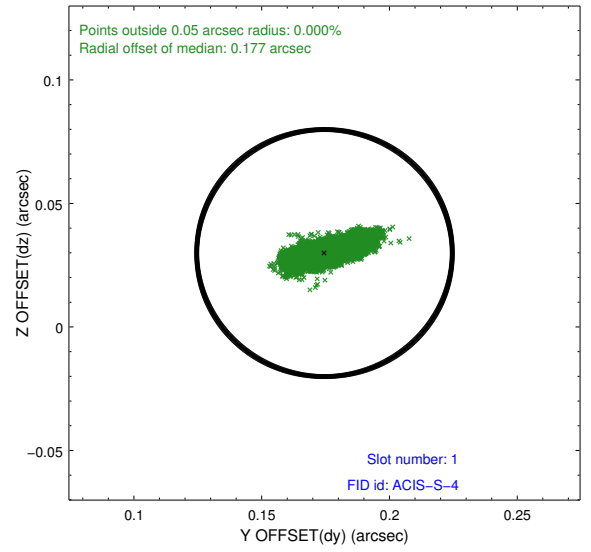
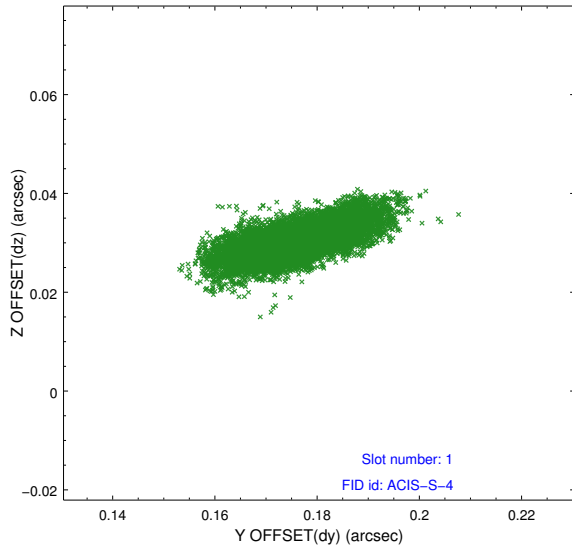


2.5 FID Slots

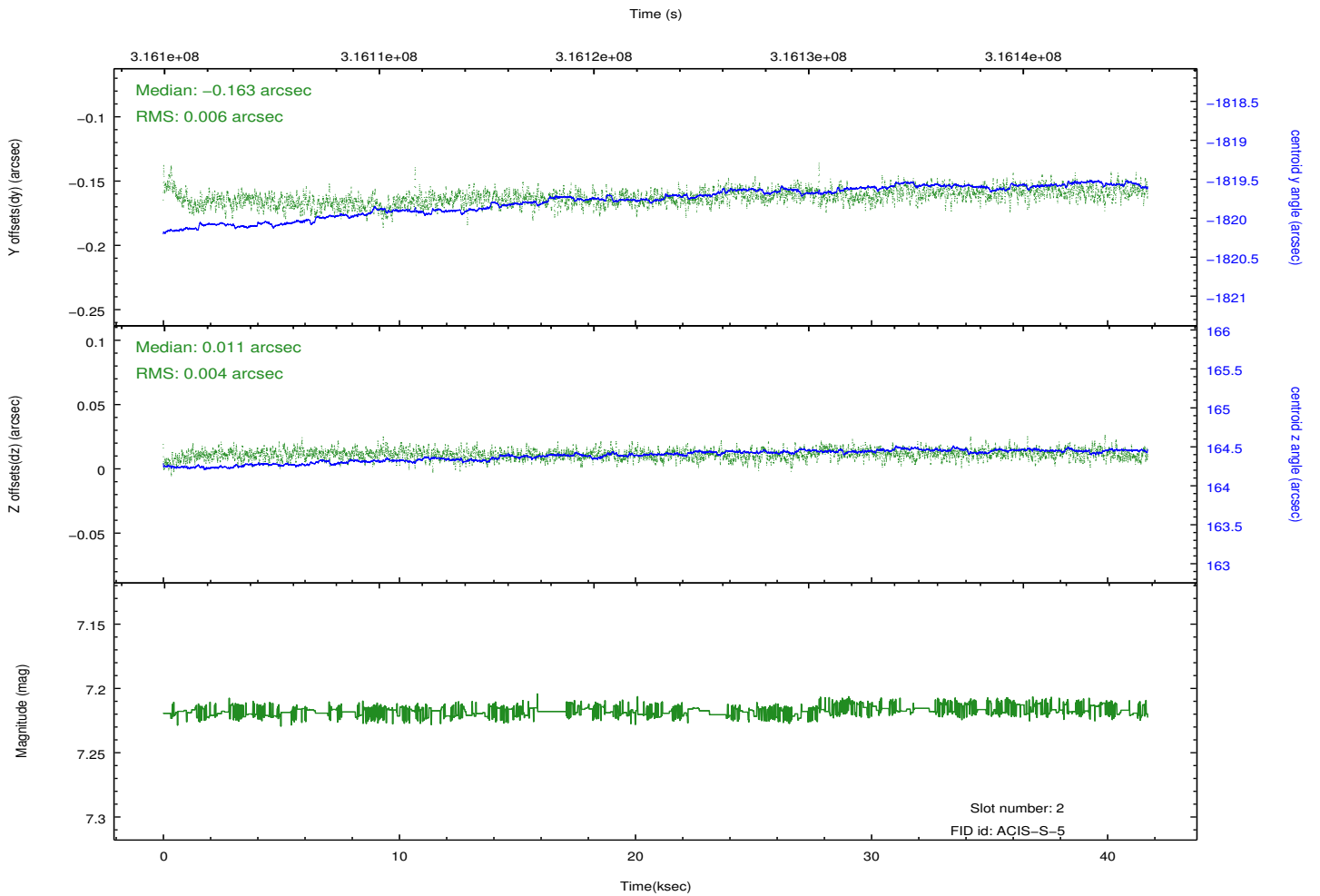
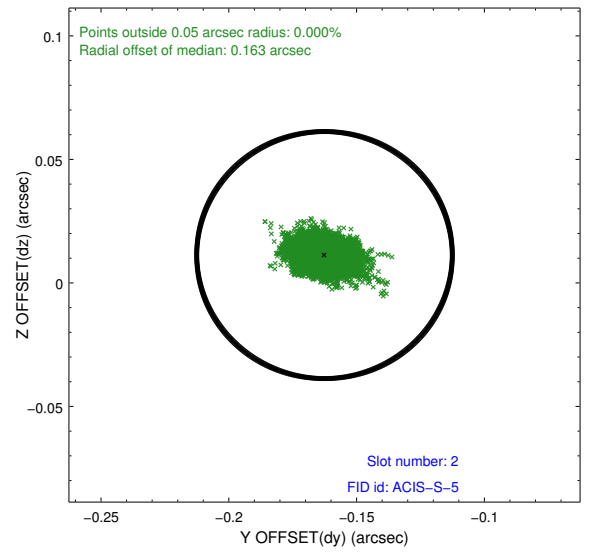
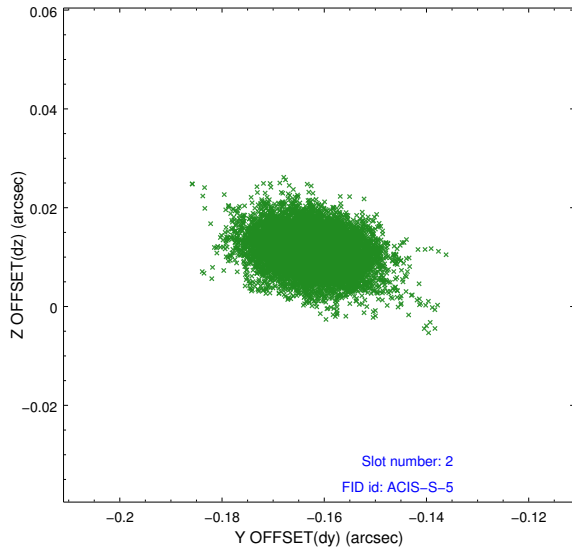
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.4532003

A.2 Comments